ATTACHMENT

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DOCUMENT MUMBER-DATE 00812 JAN 20 8

FPSC-RECORDS/REPORTING

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FPSC-RECORDS/REPORTING

FLORIDA INTER-LATA FORECAST

A	D		DECEMBER,	1992 VIE	ew			
Α	В	C	Ď,	E				
A END	Z END	TYPE	GROUP	1993	1995	1997	1999	2001
				- · ·				
4 AGSTGAMT	NDADFLGG	S						
AHVLNCOH	NDADFLGG	S	•					
6 ALBYGAMA	NDADFLGG	S						
ATLNGABU	DYBHFLPO	S						
₹ATLNGABU	JCVLFLCL	M						
ATLNGABU	JCVLFLCL	S						
10 ATLNGABU	JCVLFLCL	S						
ATLNGABU	MIAMFLCC	S						
12 ATLNGABU	MIAMFLCC	S						
ATLNGABU	NDADFLGG	M						
ı⊣ ATLNGABU	NDADFLGG	S						
ATLNGABU	NDADFLGG	s						
16 ATLNGABU	NDADFLGG	s						
ATLNGABU	ORLDFLMA	M						
18 ATLNGABU	ORLDFLMA	S						
ATLNGABU	PNCYFLMA	S						
20ATLNGABU	PNSCFLWA	s						
ATLNGACH	DYBHFLPO	s						
∂ ATLNGACH	JCVLFLCL	ŝ						
ATLNGACH	JCVLFLEL	ŝ						
g-ATLNGACH	MIAMFLCC	S						
ATLNGACH	MIAMFLCC	S						
as ATLNGACH	MIAMFLCC	S						
ATLNGACH	NDADFLGG	S						
28 ATLNGACH	NDADFLGG	s						
ATLNGACH	ORLDFLMA	s						
30ATLNGACH	PNCYFLMA	S				e* 		
ATLNGACH	PNSCFLWA	s						
32BRHMALDC	JCVLFLCL	S						
BRHMALDC	JCVLFLCL	S						
3#BRHMALDC	MIAMFLCC	S						
BRHMALDC	MIAMFLCC	S						
36 BRHMALDC	MIAMFLCC							
BRHMALDC	NDADFLGG	s s						
38 BRHMALDC	NDADFLGG	S						
BRHMALMT	DYBHFLPO	M						
40 BRHMALMT	JCVLFLCL	M						
BRHMALMT	JCVLFLCL	S						
H⊋BRHMALMT	JCVLFLCL	S						
BRHMALMT	MIAMFLCC	S						
44BRHMALMT	NDADFLGG	M						
BRHMALMT	NDADFLGG	S						
₩BRHMALMT	ORLDFLMA	M						
BRHMALMT	PNCYFLMA	M M						
43 BRHMALMT	PNSCFLWA	M						
CHRLNCCA	MIAMFLCC	n S						
50 CHRLNCCA	NDADFLGG	S						
CHRLINCCA	ORLDFLMA	S						
52CHRLNCCA	PNCYFLMA	S						
CHRLNCCA	PNSCFLWA	S						
JIIIIIIICON	7 TIDGE THY	3	:	4				

FLORIDA INTER-LATA FORECAST

	п		DECEMBER,	1992 VIE	W			
A	В	\mathcal{C}	D					
A END	Z END	TYPE	GRÓUP	1993	1995	1997	1999	2001
4 CHRLNCUN	DYBHFLPO	S	•*					
CHRLNCUN	JCVLFLCL	S						
6 CHRLNCUN	MIAMFLCC	S						
CHRLNCUN	MIAMFLCC	s						
g CHRLNCUN	NDADFLGG	S						:
CHRLNCUN	NDADFLGG	S						
10 CHRLNCUN	ORLDFLMA	S						
CHRLNCUN	PNCYFLMA	S						
12 CHRLNCUN	PNSCFLWA	s						
CHTNSCDT	NDADFLGG	S						
H CLMASCSN	DYBHFLPO	M						
CLMASCSN	DYBHFLPO	S						
CLMASCSN	JCVLFLCL	Š						
CLMASCSN	MIAMFLCC	s						
J© CLMASCSN	NDADFLGG	S						
COCOFLPR	ORLDFLMA	M						
20 COCOFLSC	JCVLFLCL	M					·	
DYBHFLNR	JCVLFLCL	M						
22 DYBHFLPO	DYBHFLWS	M						
DYBHFLPO	JCVLFLCL	M M						
24 DYBHFLPO		M S						
DYBHFLPO	JCVLFLGL	S						
	JCVLFLCL							
26 DYBHFLPO	MIAMFLCC	M						
DYBHFLPO	MIAMFLCC	S						
27 DYBHFLPO	NDADFLGG	M						
DYBHFLPO	NDADFLGG	S						
36 DYBHFLPO	NDADFLGG	S						
DYBHFLPO	ORLDFLMA	M				<i>*</i>		
32DYBHFLPO	ORLDFLMA	S					•	
GNBONCEU	NDADFLGG	S						
3-GNVLSCDT	NDADFLGG	S						
GSVLFLCM	JCVLFLCL	M						
36 GSVLGAMA	JCVLFLCL	M						
GSVLGAMA	JCVLFLCL	S						
3\$GSVLGAMA	JCVLFLCL	S						
GSVLGAMA	MIAMFLCC	M						
45 GSVLGAMA	MIAMFLCC	S					•	
GSVLGAMA	NDADFLGG	M			•		•	
42GSVLGAMA	NDADFLGG	S						
GSVLGAMA	ORLDFLMA	M						
e GSVLGAMA	ORLDFLMA	S						
GSVLGAMA	PNCYFLMA	M						
46 GSVLGAMA	PNCYFLMA	S						
GSVLGAMA	PNSCFLWA	S						
48 JCSNMSDC	MIAMFLCC	S						
JCSNMSDC	MIAMFLCC	S						
50 JCSNMSDC	MIAMFLCC	s						
JCVLFLCL	MIAMFLCC	M						
12 JCVLFLCL	MIAMFLCC	S						
JCVLFLCL	MIAMFLCC	S						
54 JCVLFLCL	NDADFLGG	M						

FLORIDA INTER-LATA FORECAST

_		1 101	DECEMBER,	1992 VTE	W			
A	В	(D D	E	•••			
A END	Z END	TYPE	GROUP	1993	1995	1997	1999	2001
식 JCVLFLCL	NDADFLGG	S						
JCVLFLCL	NDADFLGG	S						
6 JCVLFLCL	ORLDFLMA	M			_			
JCVLFLCL	ORLDFLMA	S						
8 JCVLFLCL	ORLDFLMA	S						
JCVLFLCL	PNCYFLAD	M						
10 JCVLFLCL	PNCYFLMA	M						
JCVLFLCL	PNCYFLMA	S			•			
12 JCVLFLCL	PNCYFLMA	S						
JCVLFLCL	PNSCFLGS	M						
14 JCVLFLCL	PNSCFLWA	M						
JCVLFLCL	PNSCFLWA	S						
% JCVLFLCL	PNSCFLWA	s						
JCVLFLCL	SVNHGABS	S						
18 JCVLFLCL	WPBHFLGT	M						
JCVLFLEM	NDADFLGG	M						
26 MACNGAMT	NDADFLGG	S						
MIAMFLCC	NSVLTNBT	S						
22 MIAMFLCC	NSVLTNBT	S						
MIAMFLCC	ORLDFLMA	M			•			
ad MIAMFLCC	ORLDFLMA	S						
MIAMFLCC	ORLDFLMA	S						
24 MIAMFLCC	PNCYFLMA	M						
MIAMFLCC	PNCYFLMA	S						
38 MIAMFLCC	PNSCFLWA	M						
MIAMFLCC	PNSCFLWA	S						
30 MOBLALAZ	PNSCFLWA	M			:	<i>r</i> V		
NDADFLGG	ORLDFLMA	M						
32 NDADFLGG	ORLDFLMA	S						
NDADFLGG	ORLDFLME	M						
34 NDADFLGG	ORLDFLSE	M						
NDADFLGG	PNCYFLMA	M						
36 NDADFLGG	PNCYFLMA	S						
NDADFLGG	PNSCFLWA	M						
39 NDADFLGG	PNSCFLWA	S						
NDADFLGG	RLGHNCHO	S						
40 NDADFLGG	SVNHGABS	S						
NDADFLGG	WLMGNCFO	S						
42 NWORLAMA	ORLDFLMA	M						
ORLDFLMA	PNCYFLMA	. M						
44 ORLDFLMA	PNSCFLWA	M						
ORLDFLMA	PNSCFLWA	S						
46 ORLDFLMA	SVNHGABS	S						
PNCYFLMA	PNSCFLWA	M						
48 PNCYFLMA	PNSCFLWA	s						
PNCYFLMA	PNSCFLWA	S						
₱ PNSCFLFN	PNSCFLWA	M						

DATE: April 30,1992

TO: Carol Sullivan, Staff Manager RCP

FROM: Wayne Harrelson, Staff Manager RCP

SUBJECT: DS3 Requirements for VCSN

As you are aware the Virtual Circuit Switch Network (VCSN) has begun the process of integrating BNS2000 data switches into the network. The BNS2000 nodes will be used to provide high-speed LAN connectivity using both the SMDS and Frame Relay protocols. In addition the BNS2000 nodes will be equipped with DS3 interface modules to allow connection and connection-less oriented traffic at the 45Mbit rate across the region.

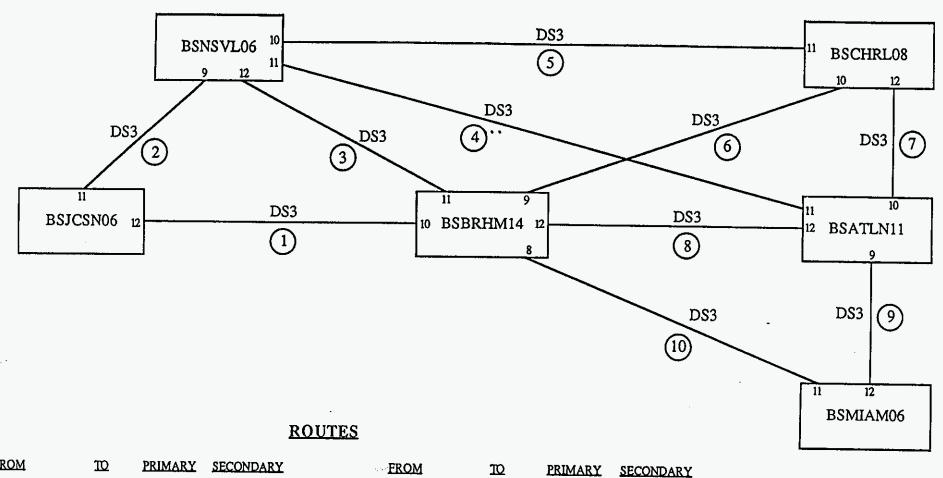
The installation of the six BNS2000 switches will begin in early August,1992 with full DS3 capabilities available in October. Please initiate the appropriate orders to request the following DS3 facility installations between each of the five Regional Data Centers and the Atlanta Test-bed site. I would like to request a facility due date of November 1,1992. The forecast for these circuits was provided in the September, 1991 budget call.

17	Birmingham RDC to Atlanta Test-bed
18	Birmingham RDC to Charlotte RDC
	Birmingham RDC to Nashville RDC
2 0	Birmingham RDC to Jackson RDC
	Birmingham RDC to Miami RDC
92	Jackson RDC to Nashville RDC
	Nashville RDC to Charlotte RDC
24	Nashville RDC to Atlanta Test-bed
•	Charlotte RDC to Atlanta Test-bed
26	Atlanta Test-bed to Miami RDC

Please let me know if you have questions or if you see a problem in meeting the requested due date.

Thanks!

VCSN DS3 TRUNKING



FROM	<u>m</u>	PRIMARY	SECONDARY	FROM	<u>10</u>	PRIMARY	SECONDARY
NASHVILLE	JACKSON	2	3	ATLANTA	CHARLOTTE	7	8
NASHVILLE	BIRMINGHAM	3	2	ATLANTA	NASHVILLE	4	Ŕ
NASHVILLE	ATLANTA	4	5	ATLANTA	MIAMI	ģ	8
NASHVILLE	CHARLOTTE	5	4	ATLANTA	BIRMINGHAM	Ŕ	4
NASHVILLE	MIAMI	3	4	ATLANTA	JACKSON	8	4
BIRMINGHAM	JACKSON	1	3	MIAMI	ATLANTA	9	10
BIRMINGHAM	NASHVILLE	3	1	MIAMI	BIRMINGHAM	10	0
BIRMINGHAM	CHARLOTTE	6	8	MIAMI	CHARLOTTE	9	10
BIRMINGHAM	ATLANTA	8 .	6	MIAMI	NASHVILLE	ģ	10
BIRMINGHAM	MIAMI	10	8	MIAMI	JACKSON	10	9
CHARLOTTE	ATLANTA	7	6	JACKSON	BIRMINGHAM	1	ź
CHARLOTTE	NASHVILLE	5	7	JACKSON	NASHVILLE	2	
CHARLOTTE	BIRMINGHAM	6	7	JACKSON	ATLANTA	1	÷
CHARLOTTE	MIAMI	7	6	JACKSON	CHARLOTTE	2	1
CHARLOTTE	JACKSON	6	5	JACKSON	MIAMI	1	2

F01B14Z 00005

BELL South Technology DWH/tc 4/6/92 File#: 007

V.

1993

FORECAST

TOTAL =

* MUST GO THROUGH THE ATLANTA/BIRMINGHAM CORRIDOR =

F01B14Z 00008

* MUST GO THROUGH THE ATLANTA/BIRMINGHAM CORRIDOR =

JLW/tc 4/10/92 File#: 004

1993 T1* FACILITY REQUIREMENTS (37)

PROJECT

QUARTER	DCD (22) {10}	BSCNM (15)	BOSIP/SMDS (0) {11}	RTOC (0)	XN10 (0)
i	3		{10}		
2	<u>;</u> 12	15	{1}		
3	5		·		
4	2 {10}		. 		

F01B14Z 00009

May 30, 1989

TALK U/TOUN

To: J. E. Chapman, Assistant Vice President - Network Planning

J. C. Stafford, Assistant Vice President - Provisioning

From: A. L. Williams, Assistant Vice President - ISTS

Subject: Communications Requirements for Data Center Deployment

Some confusion has existed with regards to the communications requirements as stated in the strategy document. That document stated a requirement for capability between the regional data centers (six production centers and one development / test / recovery center). This is an ultimate capability and was used to determine the requirement for 6 fiber strands. The fiber requirement should be folded in with other network activities such as the diversity plan, BellSouth corporate network requirements, and growth for market demand. The data centers will not be able to use this capacity for some time in the future. A schedule by use has been developed and is as follows:

15 1990: Capabilities
16 1991: Capability
17 1993: Capabilities
16 1995: Capabilities
19 1998: Capabilities

In addition to the requirements for the regional data centers 1 DS3 capability beginning in 1991 will be required for each Comptrollers post billing print operation. Present plans call for nine of these print operations. Most will be located in the same cities as the regional centers. Those that are not, are Louisville, New Orleans, and Columbia.

Your budget and plans should reflect these requirements. The dollars for these data center deployment requirements should reflect an incremental overlay of normal evolution of the network.

I trust this should alleviate the confusion. You can direct any questions to me or M. W. (Mike) Pretnar at 205-988-1364.

Copy To:

Tom Sawyer
Melvin McCowan
Steve Pendergrass
Joe Brown
Gary Dunavant

A.f. () xlic-

1 1992 FACILITY REQUIREMENTS (146) PROJECT

	MONTH	DCD (35)	BOSIP (10)	RTOC (40)	BSCNM (52)	XN10 (9)
	JAN					
	FEB					
ଟ	MAR			ATLN/BDC		
	APR					
10	MAY	BDC/ATLN	BDC/ATLN			
11 12 13 14	JUN	:	MDC/ATLN	EA ATLN/CDC, MDC, JDC, NDC EA BHAM/ATLN, CDC, MDC, JDC, NDC		
15 6 7	JUL	- · · · · · · · · · · · · · · · · · · ·			EA ATLN/BDC, MDC, EA MDC/ATLN, BDC, JDC EA JDC/BDC, MDC, NDC	
89010	AUG	CDC/ATLN EA BDC/NDC, ATLN			EA BDC/ATLN, CDC, JDC MDC, NDC EA NDC/BDC, CDC, JDC EA CDC/NDC, BDC	
	SEP			,	CDC/ATLN ATLN/CDC	
7 800 0	ОСТ		EA BDC/IDC, NDC, MDC, CDC EA CDC/MDC, ATLN			EA BDC/NDC, JDC, CDC, EA ATLN/JDC, MDC, CDC, NDC
11 12 33 34	NOV	EA NDC/BDC, ATLN				
35		EA ATLN/BDC, NDC CDC/GASTONIA EA MDC/SUNRISE, JACKSONVILLE ATLN/CDC ATLN/JDC				

LEGEND:

* = 1Q - 4Q ATLN-ATLANTA

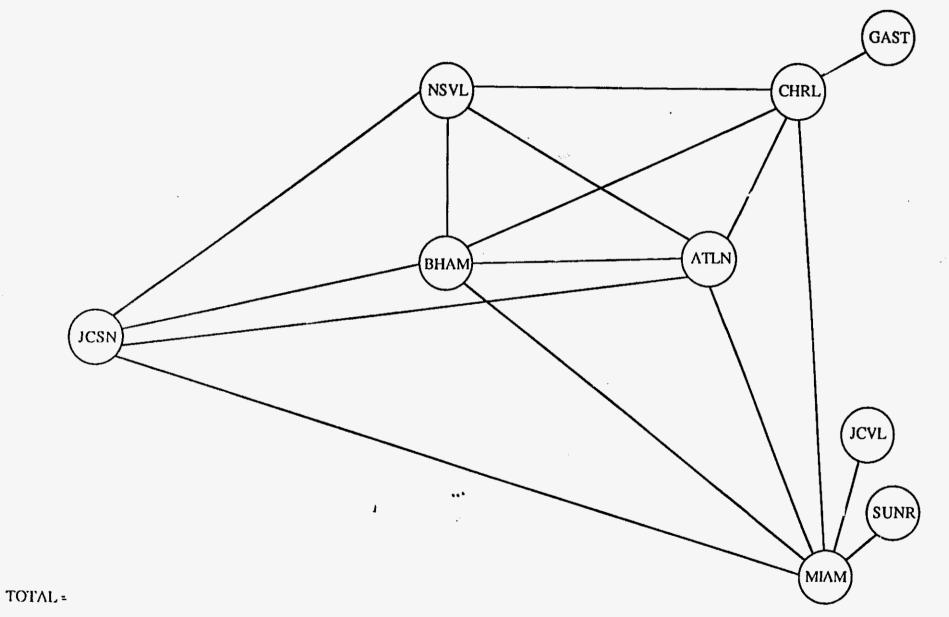
BDC - BIRMINGHAM DATA CENTER MDC - MIAMI DATA CENTER

JDC - JACKSON DATA CENTER

CDC - CHARLOTTE DATA CENTER NDC - NASHVILLE DATA CENTER

JLW/tc 2/21/92 File#: 001

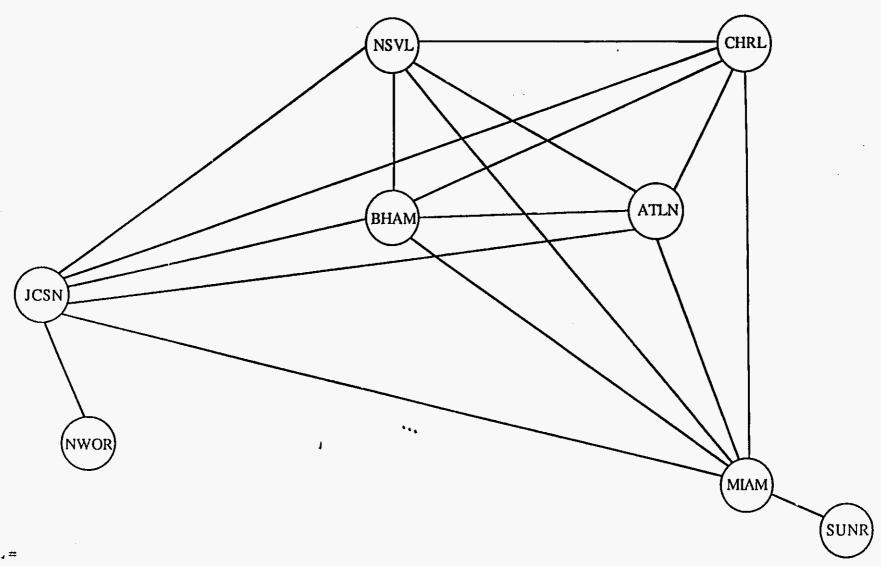
1992 FACILITY REQUIREMENTS



* MUST GO THROUGH THE ATLANTA/BIRMINGHAM CORRIDOR = 1

JLW/tc 2/20/92 File#: 002

1993 FACILITY REQUIREMENTS



TOTAL =

* MUST GO THROUGH THE ATLANTA/BIRMINGHAM CORRIDOR =

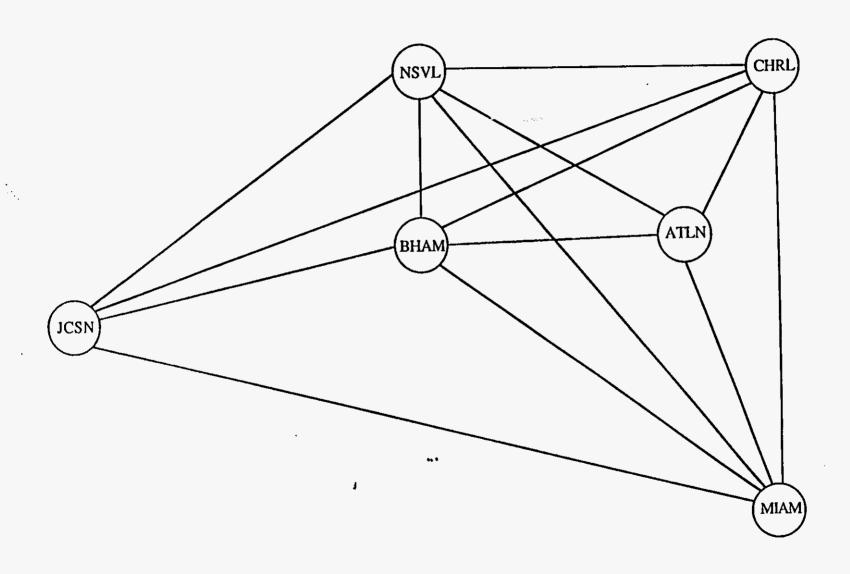
JLW/tc 4/10/92 File#: 004

1993 T1* FACILITY REQUIREMENTS (37)

PROJECT

QUARTER	DCD (22) {10}	BSCNM (15)	BOSIP/SMDS (0) {11}	RTOC (0)	XN10 (0)
1	3		{10}		
	-				
2	12	15	{1}		<u></u> -
			\$ \$		
3	5				
4	2 {10}				

'92 & FACILITY REQUIREMENTS



TOTAL =

^{*} MUST GO THROUGH THE ATLANTA/BIRMINGHAM CORRIDOR =

INTEROFFICE MEMORANDUM

Date:

09-Sep-1991 02:45pm CST

From:

Ken N. Burst

BURST_K

Plng & Eng Support

Dept: Tel No:

205-977-5063

O: JOHN WEAVER

C: 8 'CC' addressees

ubject: RE: DCD Facility Forecast

John,

Concerning your forecast for DCD, I have a few questions.

- 1. Are all of the end points of these circuits at the data centers? We need specific serving central offices within each city so we can analyze the routes within metro areas which will be affected.
- 2. What does:1Q-4Q mean? Does this mean all of the circuits are going to be cut over at once, sometime between these dates, or does it imply a gradual transition between 1Q and 4Q? We need the earliest date you will need these circuits working.
- 3. It seems suspicious to me that the number of adds is very much greater than the number of disconnects. Are you failing to show some of the disconnects because they are local metro circuits? Metro circuit disconnects are still important because the interoffice facilities within the metro area can be re-used for inter-lata circuits. We need all disconnects, including those that are within a metropolitan area.

If you need to talk to me about these John, please give me a call at 977-5063.

Ken

Date: September 9, 1991

To: John Eppenger, Staff Manager - Network Planning

Ken Burst, Staff Manager - Planning & Engineering Supt.

Olivia Mahon, Staff Manager - Network Planning

From: John Weaver, Manager - Corporate Communications

Subject: Facility Forecast for Data Center Deployment (DCD)

The following is a forecast of facilities needed for DCD. It is assumed that the circuits are . Wherever appropriate the circuits should be transported over high capacity facilities (i.e. T1's).

	YEAR	DATE # CIRCUITS	ROUTE	COMMENTS
12	192	5/92 ~	Atlanta to Birmingham	DPC/(An)
13		2Q	Birmingham to Atlanta	UTS R.S.
14		3Q	Atlanta to Charlotte	HQ1 MVS
15		3Q .	Birmingham to Nashville	E TIRKS/CIMAP TH ONLY
16		3Q	Birmingham to Atlanta	MVS/VM TESTBED
17		4Q	Atlanta to Nashville	VM
18		4Q	Birmingham to Nashville	AW 2.c
19		10-40	Atlanta to Charlotte	#7 MINI'S
25		10-40	Atlanta to Jackson	#7 mini's
21		10-40	Atlanta to Nashville	#7 mini's
22		1Q-4Q	Atlanta to Charlotte	SBC HQ II MINI'S
23		1Q-4Q	Atlanta to Jackson	SBC HQ II MINI'S
24		10-40	Atlanta to Birmingham	SBC HQ II MINI'S are
a 5		10-40	Gastonia to Charlotte	MINI'S
36		10-40	Sunrise to Miami	MINI'S
27		1Q-4Q	Jacksonvelle to Miami	MINI'S

93	1Q	New Orleans to Jackson	RAO
2	3Q	Atlanta to Jackson	CDC
	3Q	Birmingham to Jackson	S ARSB
4	4Q	New Orleans to Jackson	S TIRKS/CIMAP
	1Q-4Q	Atlanta to Charlotte	#7 MINI'S
6	1Q-4Q	Atlanta to Jackson	#7 MINI'S
	1Q-4Q	Atlanta to Nashville	#7 MINI'S
8	10-40	Atlanta to Charlotte	SBC HQ II MINI'S
	1Q-4Q	Atlanta to Jackson	SBC HQ II MINI'S
15	1Q-4Q	Atlanta to Birmingham	SBC HQ II MINI'S
	1Q-4Q ·	Gastonia to Charlotte	MINI'S
12	1Q-4Q	Sunrise to Miami	MINI'S
13	1Q-4Q	Jacksonville to Miami	MINI'S

Please let me know when the forecast has been translated into dollars as the facility costs require being accounted for by the DCD Project Team. If you need further information I may be reached at 205-977-5057.

cc: Dee Swymer
Betty Stevens
Judith Richardson
Ralph Milford
Dick Dodd
Mike Pretnar

^{*} These circuits require the disconnect of the same number of local circuits and the connect of new circuits as indicated.

Disaster Avoidance and Continuous Availability

Strategic Plan

Executive Summary

Overview

Mechanized systems support every facet of telephone company operations from service provisioning to final customer billing. For a variety of reasons and in spite of the level of maintenance provided, computer system failures do occur. When a failure occurs a Disaster Recovery process is used to put the system back online as quickly and efficiently as possible. Depending on the cause of the outage, Disaster Recovery can take from minutes to days or even weeks.

For a small group of extremely critical systems, Information Systems' vision of the future is to anticipate or avoid rather than recover from computer system failures. Emerging technologies will allow the design of architectures to provide instantaneous recovery from a system failure or disaster situation. By employing these emerging technologies, critical systems will meet 24 hour 7 day per week and / or continuous availability requirements. This concept is called Disaster Avoidance and Continuous Availability (DACA).

Strategies

Due to technological and cost limitations, DACA as described above is not feasible at this time. In order to begin and continue movement toward that level of service the following strategies will be followed.

Implement DACA using currently available technology. As technological improvements allow reduction in recovery time, move to more sophisticated levels of processing.

Implement DACA for the corporation's most valuable business function first. Implement by individual system to ensure security and availability.

Before implementation a business case for each system will be sent to the appropriate management council for approval. This will ensure management awareness and buy-in.

Implement DACA in concert with Data Center Deployment (DCD). This will take advantage of the timing of systems moving.

Allow the natural triggers of customer need and technology to be the drivers of DACA implementation. Having the appropriate level of protection in place when the user needs it is the goal.

Process

The general process to implement DACA consists of the following steps. First, segments identify the top priority business function for which they are responsible. Then, Information Systems will identify which systems support that business function. Next, the user segment rank orders the systems. Beginning with the top ranked system, an interdepartmental team is then formed to develop a business case. After the business case is approved by the appropriate council, implementation begins.

Benefits

DACA will provide immediate recovery from system failure and disaster situations resulting in minimal user lost production time. In addition to immediate recovery (DA), CA will provide systems with the capability of operating 24 hours per day 7 days per week. Methods developed in DACA implementations will allow other systems to meet customer needs for extended hours of availability. Additionally, system unavailability on data center maintenance weekends can be avoided.

Schedule

The DACA implementation schedule is planned to begin during the 1st quarter 1993 with the implementation for Network Monitoring and Analysis (NMA). Completion will coincide with the deployment of the system or as budget and resource constraints allow.

10/6/92 10:00

I. Introduction

Bellsouth Telecommunications, Inc. (BST) has over 500 applications deployed in the nine state region. Each of those applications supports some facet of telephone company operations. The applications are deployed using every conceivable combination of hardware, software, and communications architecture. Many of these systems are developed and supported by Bellcore. Some are products purchased from AT&T. Most were created by BST. Regardless of origin, each application has the responsibility to develop and maintain a Disaster Recovery plan. Each Disaster Recovery plan documents the procedures, data, hardware, and software needed to bring the system back to operation after a disaster has occurred.

Disaster Recovery plans make the assumption that a system can afford to be cut of service for some period of time. According to the BST guidelines, allowable periods for system down time range from 4 days to more than 60 days. Thus, plans may allow for the installation of new hardware or the creation of new software. Time may be allocated for a variety of circumstances relevant to a variety of disaster situations, depending on the priority given the system.

Conversely, Disaster Avoidance and Continuous Availability (DACA) assumes that there are certain systems that must operate 24 hours a day 7 days a week. In the future, others will require continuous operation for a specific scheduled time period. In these cases, there is no time for the purchase or movement of new hardware or for the development of fixes for software. There is no time for movement of data from a primary to a secondary facility. Systems must be available continuously. This requires an environment in which equipment, facilities, and data are positioned in anticipation of the possibility of a system failure.

Some systems currently under development, such as REIS, are making design and engineering decisions that will provide for internal DACA protection. This Strategic Plan for DACA speaks specifically to those systems that are already deployed, but after deployment were deemed important enough to warrant DACA level of protection. This plan provides guidance for "adding on" DACA to existing systems.

II. Statement of Scope

For a small set of specifically selected systems, which support the most critical BST business functions, establish an environment in which a system interruption for any reason (hardware, software, environment, network, terminal, or Act of God) will cause minimal or acceptable impact to the user.

From a cost perspective, it will never become economical to

implement DACA for all systems in a data center.

III. Environment

Generally, DACA is an integral component of the Data Center Deployment Plan (DCD). DACA implementation actually began with the implementation of the DCD plan and with the implementation of Automated Operations / Centralization (AO/C). As defined in the Scope, DACA involves creating an environment. The foundation of that environment was made practical as a direct result of the economies achieved by DCD.

As centers are combined, hardening of the fewer number of centers becomes economically feasible. This hardening includes dual power feeds from dual sources, Uninterruptable Power Supplies (UPS - batteries), backup power (engines), backup cooling water supplies (pools or wells), preventative maintenance (infrared scans of circuit breaker panels), and increased security (movement into better areas and installation of perimeter fencing). This hardening is the foundation of DACA.

DCD and AO/C will also enhance DACA via centralized expertise, i. e., putting more knowledgeable expertise on a problem immediately, and a global perspective for change management, rather than working as an individual and isolated entity in problem solving.

At the same time DCD is being implemented, facility improvements are being made. A network is being built that will offer ring diversity and redundancy for high speed communications among the remaining data centers. Also, user to data center facilities are being evaluated for redundancy and diversity needs. This effort extends the hardening impact out from the data center toward the user location.

Another aspect of DCD that enhances DACA is the development and documentation of an Application Placement philosophy and a process to administer application placement. The Application Placement White Paper signed by Lee Allen in September, 1992 documents the details of the philosophy and process. Application Placement criteria documented in the White Paper will result in load balancing in the data centers. Also, placement decisions will be made from a corporate perspective and DACA will be considered early in the system development process. The need for DACA must be determined before development of a new system. Designing DACA into a system during development will be much more economical than adding DACA protection to a system after development.

All of the above aspects of the enhanced, hardened environment are a part of DACA in that they help create an environment in which a disaster is less likely to impact the user. This environment adds protection for all systems operating in the

center, regardless of priority, thus, DCD will lead to a more stable environment for all systems.

There are some systems, however, that require a level of protection beyond environmental improvements. This Strategic Plan addresses those systems. Application level DACA is a step beyond physical environment and is a giant step beyond standard Disaster Recovery.

IV. Application Level Disaster Avoidance and Continuous Availability

A. Physical change requirements

As described above, significant environmental improvements are being made at all data centers. Application level DACA will require changes internal and external to the data centers, in addition to those impacting operations.

By definition, DACA anticipates failures for extremely critical systems. In the case involving a minicomputer single application processor, this will require the purchase of redundant hardware (processor, disk and tape drives) to be installed in a backup site. Depending on the software source, it may require the purchase of an additional copy of the application software to be available to operate on the backup hardware.

The standby computer system must have connectivity to the user network. Connections may be via Datakit, multiplexer, or modem of some type. Datakit connections must be physically established. Modems must match modems on the opposite ends of the circuit. Operational procedures must be documented and provided to the operations groups to enable them to efficiently operate and administer systems in the backup mode.

In the mainframe world, assuming today's standard technology, standby computer capacity in a backup site may or may not require additional computer hardware purchases. If prioritization of applications can be done, some applications may be removed from a host processor to make room for backup operation of the extremely high priority application. Also, techniques such as stopping high CPU usage tasks, low priority transactions, and low priority batch processing can be used to free CPU power for backup operations.

Mainframe applications with substantial Direct Access Storage Devices (DASD) will require individual decisions to be made in order to balance the need for immediate system recovery against the cost of additional DASD.

Communications architectures characterized by front-end processors (XN10, COMTEN) will require additional front-end capacity to be available to handle backup traffic or the

capability to immediately reconfigure the front-end to define the ports for the extremely critical operation. This front-end capacity in the data center will need to be connected to circuits to the central office, which must be in place in advance for communications switching. The FLEXSERV product is planned for use in the central office to switch users to the backup location.

B. Process detail

Perhaps the most difficult step in the DACA planning process is the first one: determining system priority. No previous or existing method of priority identification is adequate for DACA. Simple cost / benefit calculations do not take into account the intangibles achieved by DACA. The implementation of DACA can be very expensive, but the benefits achieved for certain systems may outweigh the costs.

The burden must fall on the user organization to first identify the most critical work function for which that organization is responsible. For example, Network has determined that Network survivability is the most critical work function for the Network organization.

Next, Information Systems must determine what systems support Network Survivability. This is done by referencing lists of installed systems, talking with Systems Managers and Project Managers, and verifying with the users in question that you have discovered all appropriate systems.

Once the primary work function and applicable systems are identified, the user is then asked to rank order the systems in value to the company. A primary criteria to be used during user evaluation is the need for the system in a disaster situation.

With the rank ordered list of systemss in hand, the Technical Planner can bring together a group of Subject Matter Experts (SME)s to address DACA for the number one system. The SMEs selected for the team will be determined by the system architecture, i.e. minicomputer vs. mainframe, Datakit vs. XN10, etc. The charge of the team is to build a plan that will incorporate application level DACA principles into the operating environment and architecture of the system under study. A second charge of the team will be to document, via a business case, all costs and benefits associated with the implementation of DACA.

The business case will be presented to the BellSouth Telephone Operations Committee (BTOC) or the Integrated Action Council (IAC), as appropriate, by the Information Systems Technical Planner (ISTP) for approval. Once approved, implementation of DACA will began. The ISTP will act as the project manager for the implementation phase. Depending on the size of the systems in question and the associated workload, a second iteration of the planning cycle will begin for the second system on the priority

list as soon as possible.

v. Objectives

The objectives of DACA are essentially defined in the Statement of scope. It is emphasized here that DACA is not and never will be for all systems. The costs associated with duplicate hardware and facilities make DACA clearly uneconomical for priority 3 and 4 and most priority 2 systems (understanding that the need for a system during a disaster could leap frog it to the top of the priority list).

VI. Congern - Costs

DACA will be considered by some to be a cost prohibitive expense. That is a value judgment that must be decided as part of the approval process. Every effort will be made to implement DACA in the most economical way possible. Costs can be minimized by using existing resources, such as backup processors in a minicomputer complex, mainframe CPU engineering levels, and recycling DASD from a low priority application to a high priority. Also, if appropriate for the specific application and system architecture, an out of company alternative may be priced out. This alternative may vary from hot site space to complete system duplication in a vendor site. The outside cost estimate will be compared to in house solutions as a check for validity.

VII. Benefits

The major benefit of DACA is the assurance of system availability during a disaster crisis. Again, disaster in this case means any system interruption that causes user impact. As soon as the Real Time Operations Center (RTOC) evaluates the situation and makes the decision to move to a backup system, the user will be brought back in operation.

Secondarily, but also of value from the user perspective is the availability of systems during maintenance downtimes at the data centers by operating from the backup location. Once each year every data center has a weekend during which no systems are operational due to maintenance being performed on power systems. A system running under DACA could operate 5 days per year from the alternate processing location and be available to the user on those days. Operating regularly from the alternate processing site would also test the backup process.

Methods developed as part of the research and development done to implement DACA will have a beneficial carry-over effect to other systems. For example, systems needing to extend online availability may use DACA methods to keep a duplicate set of databases concurrent.

DRA

DACA will not necessarily have an economic benefit in the short run. It will have a negative dollar impact on the corporation, until a system destroying disaster occurs. At that point the value of having implemented DACA will become more apparent. Part of the justification for approval of DACA will of necessity be intangible and not documented until a time of disaster, much as an insurance policy would be. Specific benefits of implementing DACA will be documented in the business case for each system considered.

VIII. Implementation Scenarios and Schedules

Appendices with Typical configurations and tentative schedules are attached.

10/6/93 10:00

Appendix 1

Typical Mini Computer Implementation
(Using Network Monitoring and Analysis for example)

Network has identified Network survivability as the top priority business function they perform. They have also identified Network Monitoring and Analysis (NMA) as the most critical system that Information Systems operates in support of Network survivability. A DACA Planning Team has been formed and met for the first time on September 22, 1992. This team will:

- * document NMA current status
 - hardware architecture including communications
 - software development levels future plans for the system
- * develop a plan for implementing DACA for NMA
 - action plan
 - implementation schedule
- * budget dollars for DACA for NMA
- * develop a business case to document all costs / benefits and other factors related to Disaster Avoidance and Continuous Availability for NMA
- * present the business case to the Integrated Action Council for approval
- * upon approval, implement DACA for NMA.

Tentative Implementation Schedule

1 qtr 1993 - 4 qtr 1994

NMA - Facilities is deployed on TBM System 88 hardware in all nine states of the region. Switching Control Center System (SCCS) is a related system that monitors switch functions. NMA - Switch will begin deployment in the region 1st quarter 1993 following a trial in Miami. NMA - Switch integrates with NMA - Facilities and replaces functions previously performed by SCCS. NMA implementation is scheduled to complete in the region by the end of 1994, assuming successful completion of the Miami trial in December 1992.

Appendix 2

Typical Mainframe Computer Implementation

Implementation of mainframe computer applications will follow the same steps as defined in Appendix 1 for minicomputers. Due to the mainframe technical support organizational structure, the ability of mainframes to process multiple applications simultaneously, and the fact that most mainframe applications are transaction driven, additional questions will need to be explored. Mainframe implementation is expected to take somewhat longer than minicomputer.

Generally, mainframe communication switching will be done using Flexserv in the central office serving each data center. The volume and timeliness requirements of data updates in transaction driven systems requires near real time data updates to the primary and backup databases. Some type of journaling (log tape transmit) or data shadowing (real time mirroring), as technology allows, will be used to transfer database updates to the backup site.

The Real Time Operations Center (RTOC) will be provided documentation that will allow them to efficiently use the available technology to switch users to a backup location for disaster operations or for continuous availability during data center power maintenance weekends.

Tentative Implementation Schedule

2 gtr 1992 - 4 gtr 1994

PICS is the next highest priority system from Network's point of view. CRIS is the most highly valued system from Marketing (Customer Services) point of view. Both are IBM mainframe based systems using XN 10 communications technology. It has not been decided which of these systems will be first for mainframe DACA.

10/6/92 10:00



6451 N. Federal Highway, Room 1205 Fort Lauderdale, Florida 33308

To: BellSouth Corporate Network Planners (See Distribution List)

The purpose of this meeting was to discuss: the BCSN future requirements being proposed by BellSouth Services' Regional Data Center (RDC) Project, planning status for providing facility and nodal diversity on the BSCN and discussions on Broadband Digital Cross-connect Systems (B-DCS). Meeting attendance sheets attached.

Presentations were made by Joe Brown, representative from the RDC Communications Committee and Teri Smets, Strategic Planning, on the Florida RDC communications study. Following are issues discussed and decisions reached at this meeting.

1) First on the agenda was the RDC presentation and discussion by Joe Brown and Teri Smets regarding Florida project status, Joe presented the following RDC circuit forecast by year; 2 DS1 in 1990, 1 DS3 in 1991, 1.5 DS3 in 1992, 2 DS3 in 1993, 6 DS3 in 1994,

The plan for the communications network necessary to link the seven RDC sites, Test/Disaster Recovery site and Revenue Accounting Offices (I/O Offices) in the BellSouth Region involves the following. The data processing center communications deployment plan is based on 24-strand fiber cable using ring diversity with 50 millisecond switch on failure. The network will consist of three rings (diagram attached) as follows:

Nashville-Jackson-Birmingham (NSVL-JCSN-BRHN)

Charlotte-Miami-Atlanta RDC (CHRL-MIAM-ATLN)

Birmingham-Atlanta SBC-Atlanta RDC (BRHM-SBC-ATLN)

28 Each ring will consist of each. Remote Comptrollers I/O Offices will be served by 27 Attachment 1 contains a graphical 30 representation of the communications network and additional information on the communications requirements. The cost for the network used in the economic study assumes that the network connecting the seven proposed sites will be an incremental addition to an existing fiber network. questions were raised regarding hyperchannel technology and These questions will be addressed in the how to plan for it. RDC Guidelines that headquarters committed to provide by the end of this year. A BELLSOUTH Company

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Teri Smets discussed the Florida RDC communications study assumptions and presented Florida's position on the RDC implementation. Currently, Florida would like to established dual RDC sites in the state. BellSouth Services - Information Services (BSS-IS), however would like to establish only one RDC per state. Therefore Florida is in contradiction with the BSS-IS plan. This issue will need to be resolved before proceeding with detail plans on the RDC project. No resolution date is known at this time.

- * Jim Francis, North Florida Facility Planning, requested Strategic Planning to review the Florida RDC communications study in more detail at a later date. Strategic Planning will review the study in detail with each of the tactical planning areas in the state.
- * RDC (North & South Sector) Project Letters (PL) will be ready for approval by next year. The project letters will be prepared by Linda Baran, BSS-IS. A completed North Sector PL is planned by 1090 and a South Sector PL is planned by 3090 (pending a mutually agreed to deployment plan).
- * RDC Planning Guidelines will be provided by Southern Bell headquarters Tactical Planning; John Baker and Tom Sawyer have committed to publish RDC guidelines by the end of this year.
- 2) Next on the agenda was a discussion on Florida RDC funding requirements for the next budget view (June '90 view). BSS-IS would like to see RDC Project funding beginning with 1992. The current Florida RDC communications study assumes a dual site and a shared (50-50) communications load split between the two Florida RDC sites (Jacksonville and Miami).
- * Jim Francis stated North TPD has identified RDC dollars for next budget view. However, N-TPD budget dollars do not necessarily match up with the Florida RDC communications study conclusions. This point is well taken and will be addressed by Strategic Planning when the RDC study is reviewed with each of the TPDs. Note, that a good deal of the RDC Project funding is dependent on a decision being reached on the issue of a dual or single RDC site for the state.
- 3) The next issue on the agenda was the BSCN (facility and nodal) diversity plans and scheduling. Rick McCallum, North Sector Fundamental Planning, was asked to respond to a letter from Teri Smets (dated October 5, 1989) on specific plans for the deployment of a proposed BSCN ring. This ring would be providing facility and nodal diversity between North Florida and South Georgia (Nodes: Jacksonville, Lake City, Valdosta & Savannah). Rick presented Georgia's current budget cuts and the situation it places the BSCN diversity plans. Due to a great deal of the BSCN North Sector budget cuts, the implementation of BSCN (facility and nodal) diversity plans will be delayed.

- Rick McCallum and Gil Yglesia, N-TPD Facility Planner, will be working together to develop an alternative BSCN diversity plan between the two states. One alternative discussed was the use of AT&T's RDS (Automatic Protection) Switch equipment. Currently, North Sector has a working RDS switch that seems to be doing the job.
- * Jim Francis will investigate with North Sector the possibility of pulling back or identifying specific funding dates for some of the BSCN North Sector projects, since current Florida funding still supports joint BSCN diversity projects with Georgia.

Questions on supporting the 1991 objective date for BSCN Nodal Diversity was discussed; Celeste Jacobson, N-TPD LATA Planner, requested the date be pushed out to 1992. This delay would allow more time for SONET products to be available in the market. John Baker agreed to discuss this in the next LATA Planning Conference. Note, the deployment of asynchronous equipment (not supporting a SONET enhancement) should be minimized to allow for more SONET equipment deployment in the future.

- * John Baker will discuss changing the 1991 Nodal Diversity objective date at the next LATA Planning Conference.
- * John Baker will investigate the status and support of building a West Florida - Birmingham BSCN route with South Central Bell. This intercompany link was presented by Mr. Snelling, SB VP - Network, as a desirable plan to work towards.
- * Each TPD Facility LATA Planner/ Current Facility Planner will review their current nodal diversity plans and provide their plans to Strategic Planning by the end of 4Q89.

S-TPD: Ernie Brana will investigate the addition of a second node (ie. Arch Creek or Brentwood) for south area nodal diversity.

SE-TPD Ted Siedel will provide an update on the CEV solution to the common node site at Ft.Pierce and Gardens

C-TPD Dominick Zingarelli

N-TPD Celeste Jacobson

- 4) The final topic of discussion was on the Broadband Digital Cross-connect Systems (B-DCS) guidelines. John Baker mentioned this subject has been addressed in the LATA Planning Methodology Document. Joe Schaefer, Strategic Planning, requested more specific items be covered, such as economic considerations guidelines. John agreed to add more detail information and will be working with Joe on this subject.
- * John Baker will publish revised B-DCS deployment guidelines by 1090.

To help the reader identify specific action items in the meeting, a "*" has been placed next to each of the action items. Should you have any questions or would like to make changes to these minutes, please let us know.

dem

Teri Smets
BSCN Planner
Strategic Planning
305/492-2746

Lonnie Macon
BSCN Planner
Strategic Planning
305/492-2926

cc Carl Moering Joe Schaefer

attachments.

BSCN Meeting (10/30/89) Distribution List

Strategic Planning: Dave Dixon

Jane Kenney

Yo Klem

South Tactical Planning:

Ted Jedlick

Carl Forbes

Ernie Brana

Steve Fitzgerald

Southeast Tactical Planning:

Paul Sacks Ted Seidel Karen Spitzer

Central Tactical Planning: Larry Whipple

Dominick Zingarelli Helen Russette

Al Capuano

Al Levak

Dave Weinstock

North Tactical Planning:

Jim Francis

Celeste Jacobson

Bob Alderman

Gil Yglesia

SB Headquarters:

John Baker

Tom Sawyer

North Sector Planning:

Rick McCallum

Roger Hindmarsh

Jim Thompson

BSS Information Systems: Mike Pretnar

Linda Baran

Joe Brown

VIDEO CONFERENCE CENTER 6451 N. Federal Hwy Room 805B

Ft. Lauderdale, FL

492-2965

CONF. LEADER: PLEASE ASSURE THIS FORM IS FILLED OUT IN ENTIRETY. LEAVE FORM ON RECEPTION DESK. Thank you.

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Attendees	Title	Department/Group	Room # Adress/ZIP	Telephone No.
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Roger Hindmansh	, 0	En Olava	1830 SNC charlite	704 378 8337
Doe Scharfin	Spe Ever	Ntw 91. NAPOL.	1221	25-492-2542
LOWIE MACON	STAP MGR	Network	1201/614	305-492-2316
Volvanues Wen	Fred.	-//-	1202	- 11 - 2860
ERNIE BRANA	SRENG	DIDK PROV.	90F	3054922317
D.P. Zingerelt.	SR. ENS.	NTWKKN. TPDC	807	305-492-7462
Karen Spitzer	11 11	Net Prov SE	916	" " 3497
Jane Kenney	SR. EXCR.	Net Prov Switching	1205	305-492-2874
Helen Russetk	Sr. Engr.	Net- Prov- TPO/C	#810	" 2962
LARRY WHIPPEF	SUE ENG	/:	11	305-492-2960
31/1/egerald	1	Netwo SOTPD	# 901P	(305) 492 - 36.89
Lavid L. Weinstad	SrEng	" /CFTPD	807	305 492-3956

Conference Log

VIDEO CONFERENCE CENTER

Southern Bell Tower Room 20BB1 Jacksonville FL (904) 350 - 3926

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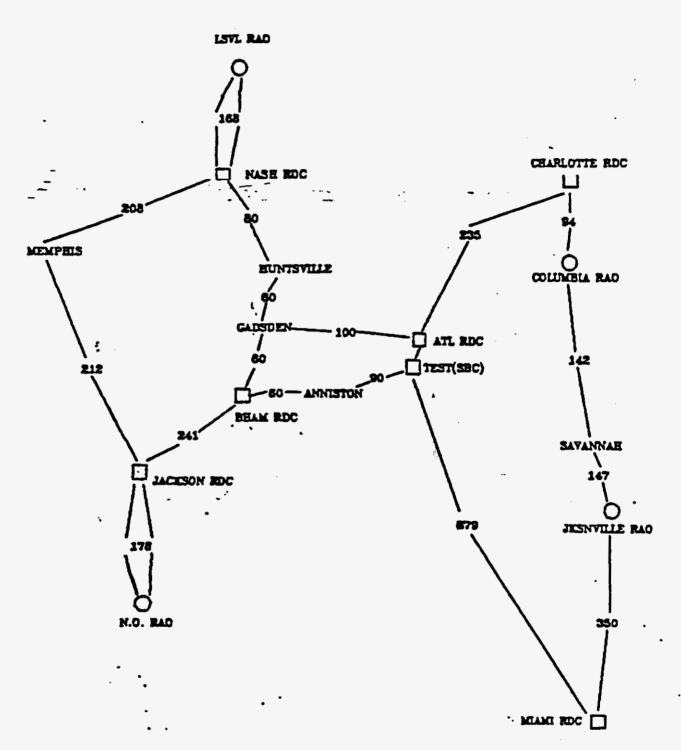
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TYPICAL FIBER ROUTE SERVING REGIONAL DATA CENTERS



1A-19

DATA CERTER COMMUNICATIONS COSTS FIBER ROUTE WITH RING DIVERSITY-50 MSEC SWITCH ON FAILURE

- Communications for the data centers is based on a 24-strand fiber cable using ring diversity.
- Should an interruption occur between any two nodes, the data stream travelling in the other direction switches in 50 milliseconds.
- There are 3 rings: (NSVI-JCSN-BREM); (CHRL-MIAM-ATLN);
 (BRHM-SBC-A1LN).
- 73 Three fiber pairs will provide bandwidth for
- 15 There are ring.
- 16 The Revenue Accounting Offices will be served by
 - Fiber costs = \$1000/mile/fiber pair

17

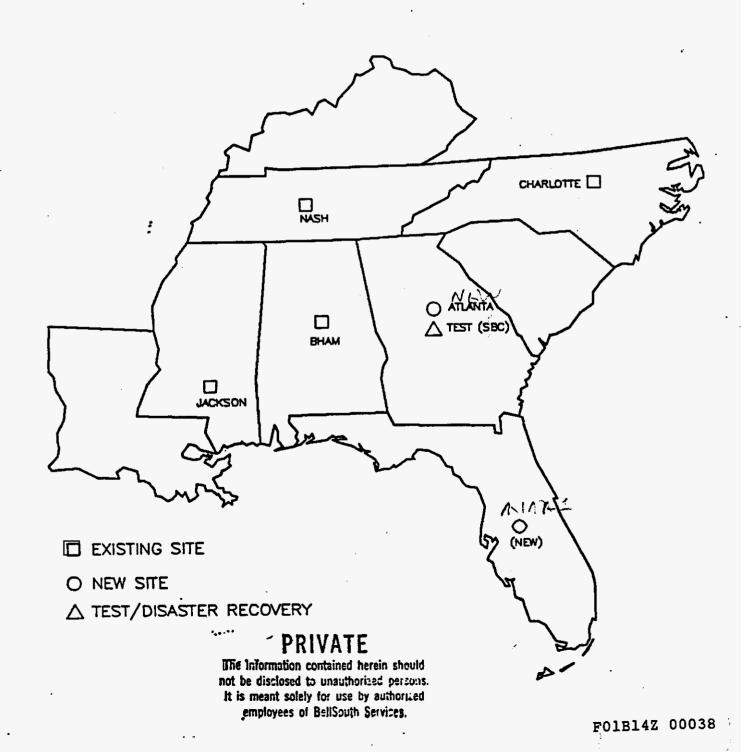
- Bandwidth = 1.7 Gigabits/fiber pair; or 36 DS3 channels/fiber pair @ 50 megabits each.
- 21 Each ring of Regional Data Centers requires
- 22 Each hyperchannel = 4 DS3 or 200 megabits;
 - At 36 DS3 per fiber pair, will require 3 fiber pairs per ring.
 - Repeater electronics costs = \$45/DS3/mile (could be less if 150 megabit channels are used instead of 50 megabit).
 - Node electronics = \$4200/DS3 for in and out; \$6500/DS3 for drop.
 - Revenue Accounting Offices require 1 DE3; only 1/36 of a fiber pair so assume fiber available with BSCN.
 - Ring miles = road miles plus 10% rounded; follow interstate mighway- with loops to mucess contrat DIIIces.

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The information contained herein should not be disclosed to unauthorized notices. The semployees of BellSouth or BellSouth subsidiaries.

1A-20

PROPOSED DATA CENTER CONFIGURATION



Appendix A - Communications

This appendix is primarily concerned with the communications network necessary to link the seven sites. However, it also provides some information on the terminal to processor communications.

COMMUNICATIONS AMONG THE RPSs. TEST/DISASTER RECOVERY SITE, AND I/O OFFICES

The communications plan for the data processing center deployment plan is based on 24-strand fiber cable using ring diversity with 50 millisecond switch on failure. The network will consist of three rings as follows:

Nashville-Jackson-Birmingham (NSVL-JCSN-BRHM)

Charlotte-Florida RPS-Atlanta RPS (CHRL-FRPS-ATLN)

Birmingham-Atlanta SBC-Atlanta RPS (BRHM-SBC-ATLN)

(For the study it is assumed that the new Florida RPS will be in the West Jacksonville area.)

17 Each ring will consist

Remote Comptrollers I/O Offices will be served by

17

Attachment 1 contains a graphical representation of the communications network, and Attachment 2 contains the costs for the network. The costs assume that the network connecting the seven proposed sites will be an incremental addition to an existing fiber network.

Attachment 3 shows the costs for installing a fiber network to connect Birmingham-Nashville and Charlotte-Miami in the mid-1990 time frame. This would be necessary if Nashville and Charlotte are used to alleviate the capacity constraints in Birmingham and Miami.

TERMINAL TO PROCESSOR COMMUNICATIONS

The entire base of terminals was covered under the "Regional Terminal and End User Computing Environment" policy approved on December 17, 1987. As information, the terminal base is planned to last two years from the end of 1987 with planned replacements

17

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Appendix A - Communications (Continued)

two years beyond that, or four years total. The new terminals will be compatible with the strategic direction of the network, i.e. ISDN, even if they are not ISDN devices.

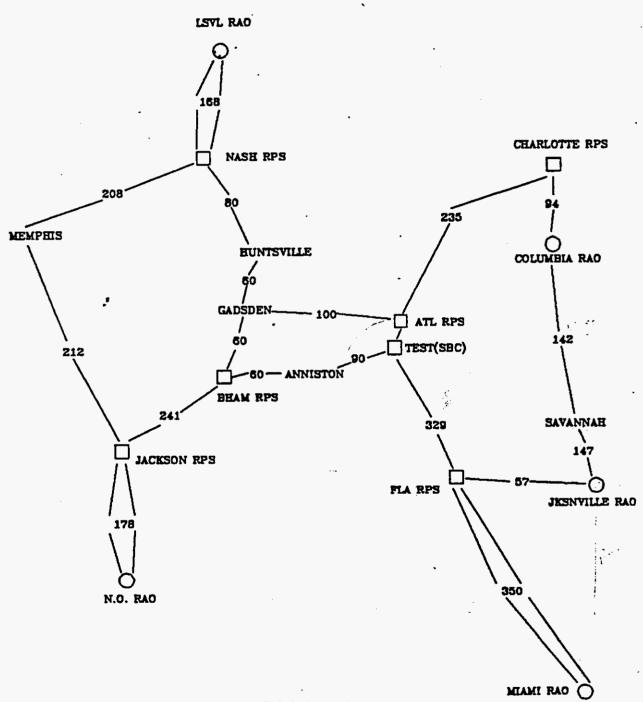
Considering the schedule for ISDN along with the planned phase out of terminals, we should not force uneconomical changes in the terminal population prior to 1992-1993. The economic study of the proposed configuration includes the expense of re-homing terminal to processor circuits for those sites that are closed down.

ISDN is currently undergoing "first office application" pilots (1988-1989). By 1990-1991 the ISDN standards should be available for general deployment. If major data center consolidation occurs beyond 1992, we should have little difficulty meeting the terminal to processor communications needs in a standard operating environment.

18

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TYPICAL FIBER ROUTE SERVING REGIONAL PROCESSING CENTERS



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DATA CENTER COMMUNICATIONS COSTS FIBER ROUTE WITH RING DIVERSITY-50 MSEC SWITCH ON FAILURE

- Communications for the data centers is based on a 24-strand fiber cable using ring diversity.
- Should an interruption occur between any two nodes, the data stream travelling in the other direction switches in 50 milliseconds.
- There are 3 rings: (NSVL-JCSN-BRHM); (CHRL-FRPS-ATLN); (BRHM-SBC-ATLN).
- Three fiber pairs will provide bandwidth for
- 15 There are in each ring.
- 76 The Revenue Accounting Offices will be served by
 - Fiber costs = \$1000/mile/fiber pair
 - Bandwidth = 1.7 Gigabits/fiber pair; or 36 DS3 channels/fiber pair @ 50 megabits each.
 - Each ring of Regional Processing Sites requires 20 hyperchannels.
- 23 Each hyperchannel = 24
 - At 36 DS3 per fiber pair, will require 3 fiber pairs per ring.
 - Repeater electronics costs = \$45/DS3/mile (could be less if 150 megabit channels are used instead of 50 megabit).
 - Node electronics = \$4200/DS3 for in and out; \$6500/DS3 for drop.
 - Revenue Accounting Offices require 1 DS3; only 1/36 of a fiber pair so assume fiber available with BSCN.
 - Ring miles = road miles plus 10% rounded; follow interstate highways with loops to access central offices.

PRIVATE

DATA CENTER COMMUNICATIONS COSTS (\$ Millions)

	A	_						~				
	RING	B RING MILES	FIBER PAIRS	D HYP	E ds3	F DS3 NODES	D\$3 DROPS	\$ FIBER	S REPEAT	\$ NODES	\$ DROPS	TOTAL
8	NSVL-JCSN-BRHM	950	3			240	240	2.850	3.420	1.008	1,560	8.838
. 9	CHRL-FRPS-ATLN	1110	3			240	240	3.330	3.996	1.008	1,560	9.894
10	BRHM-SBC-ATLN	350	3			240	240	1.050	1.260	1,008	1.560	4.878
)]	DATA CHTR TOTAL	2410	9			720	720	7.230	8.676	3.024	4,680	23.610
	NUOR-JESN	400			1	2	2		0.036	0.008	0.013	0.057
	LSVL-NSVL	400			1	2	2		0.036	0.008	0.013	0.057
	CLMA-CHRL	1110			1	2	2		0.100	0.008	0.013	0.121
	JCVL-FRPS	1110			1	2	2		0.100	0.008	0.013	0.121
	NIAM-FRPS	770	÷		1	2	2		0.069	0.008	0.013	0.091
	RAO TOTAL	1570			5	% 10	10		0,341	0.042	0.065	0.448
	TOTALS	3980					•	7.230	9.017	3.066	4.745	24.058

PRIVATE

T0:

- J. C. McPherson, Jr., EVP Network, SCB
- R. K. Snelling, EVP Network, SBT
- C. S. Boren, VP Procurement, Property and Service Management, BSS

FROM:

F. D. Ackerman, EVP - Marketing, Network and Planning, BSS

SUBJECT: Implementation of Disaster Prevention/Service Continuity Plan

The service continuity proposal, which we previously agreed upon, was generally endorsed at the Corporate Policy Council meeting of February 6, 1989. The purpose of this correspondence is to request that detailed planning and associated implementation steps for these programs begin as documented in the attachments.

The building access, smoke detection, power improvements and building enhancements should be scheduled to provide critical improvements to our central office operations and building environment (Attachment 1).

It is recommended that an alternate access tandem be established in critical metropolitan areas (Attachment 2). A trial location should be selected in both SBT and SCB to develop general guidelines for the deployment of an alternate access tandem in each of the thirteen critical major metropolitan areas.

With regard to end office switch replacement, we are currently evaluating options presented by our major switch vendors regarding end office switch restoration (Attachent 3). These options include both temporary and permanent switch restoration solutions. The temporary switch options include the acquisition of a BellSouth portable containerized switch. You will be advised of our final recommendation on this item by April 28, 1989.

Facility diversity is a critical element of the service continuity recommendations. Increased emphasis should be placed on an aggressive fiber diversity plan for the thirteen critical major metropolitan areas (Attachment 4) and for all critical statewide interoffice facility routes (Attachment 5). These plans should be implemented within the limitations of existing budgetary considerations. Our objective for full implementation of the facility diversity plan is December, 1991.

Two separate pools of portable transmission equipment are recommended as part of the service continuity plan. The first would be in an environmentally controlled trailer and dedicated to the portable switch proposed under the end office switch restoration plan (Attachment 6). The second pool would be composed of cabinetized equipment strategically stored at one or more locations in each BOC for rapid deployment during the first critical hours of a serious service outage (Attachment 7).

. J. C. McPherson R. K. Snelling C. S. Boren

Page 2

Please forward Attachment 8 by April 15, 1989, and a summary of the implementation details for each program as soon as practical thereafter to J. V. Jackson, 6th Floor, 2121 8th Avenue North, Birmingham, Alabama. The total budget requirements to accomplish this plan should be included in your 1989 Planning View (formerly the June View). Questions from your staff regarding these issues may be directed to the BSS subject matter expert identified on each of the attachments.

F. D. Ackerman

EVP - Marketing, Network, and Planning, BSS

Attachments

cc: D. L. Strohmeyer

N. C. Baker J. R. Teel

AVP Steering Committee

PROGRAM: Operations/Environmental Programs

RECOMMENDATIONS: Begin detailed implementation for Operations/Environmental Programs as outlined below. Total estimated cost for the Operations/Environmental Programs is \$26.4 million capital with an associated expense of \$3.12 million. All of these items should be completed by the end of 1991.

1. Back-Up Alarm Surveillance Equipment and Voice Annunciation

Install automated voice annunciator at surveillance centers for designated critical alarms. Establish secondary surveillance center as back-up for three alarms: 1) fire alarm, 2) fire alarm system trouble, 3) battery discharge (power failure).

2. Selected Very Early Smoke Detection Apparatus (VESDA) Deployment

Install VESDA in category A and B buildings. Retain existing Early Warning Fire Detection (EWFD) equipment in remaining buildings until cost of VESDA or alternative technology is lowered.

3. Automated Building Access Deployment and Related Interim Guard Service

Install proximity card access capability in all central office buildings beginning with category A. Use of guard service in category A buildings is recommended until card access is installed.

4. Rectifier Restart Modifications

Retrofit rectifiers for automatic restart in category A and B buildings by 1990. For all remaining buildings, include with growth jobs.

5. Improved Fire Stopping Procedures and Audits

Establish measurement plan and standard report for occupant violations (fire doors propped open, combustibles stored improperly, etc.). Increase frequency of fire safety audits. Strengthen fire safety construction standards for Building Engineers.

6. Essential Power Extended to Air Conditioning for Selected Digital Offices

Extend essential power to air conditioning for digital switches where existing standby generator can handle the load. Retrofit remaining offices on individual case basis via growth/replacement jobs. Going forward, all new standby generators to be sized for air conditioning requirements.

7. Remote Power Monitor Deployment

Develop a common remote power monitoring system to enhance reliability of power plant monitoring.

8. A/C House Service Panel Improvements

Increase frequency of power plant inspections in category A and B buildings to annually. Modify and standardize power transfer gear for more efficient operation.

BSS SME: Bob Chapuis 205-321-5401

PROGRAM: Alternate Access Tandem Switch Diversity

COLUMN CONTROL AT

PROGRAM DESCRIPTION: Provides access tandem switch diversity for the critical metropolitan areas. Program will minimize the extent of lost access tandem traffic (interLATA, intraLATA, BSCN, and TOPS) and provide an alternate switch for rerouting tandem traffic, via Network Management controls, until a permanent access tandem switch is restored. Total expenditures for this portion of the plan are estimated to be \$30.0 million.

RECOMMENDATIONS:

- 1. Develop BSS guidelines by 1089 for the selection of alternate access tandem locations. This involves an analysis of existing or planned fiber rings as well as capacity of adjacent metropolitan digital switches.
- Request BOCs to identify by 1089 an alternate access tandem location in both SCB and SBT to be used for detail evaluation studies of diverse tandem switch configurations. Request BOCs to complete the studies by the end of 2089.
- 3. Develop BSS recommendation for optimum trunking arrangement for diverse access tandem configurations by 2089. Evaluate these guidelines in the trial location. Diversity should be provided to all major offices in the exchange but not necessarily to the entire EAS area.
- 4. Request BOCs to identify by 2089 an alternate tandem for thirteen major metropolitan areas as classified by the Service Continuity Committee on September 16, 1988, as the top Category A wire centers in the region. Each BOC should document a recommended plan with associated schedules and funding requirements for the following locations:

SOUTH CENTRAL	SUUTHERN BELL
New Orleans	Atlanta
Nashville	North Dade
Birmingham	Charlotte
Memphis	Orlando
Jackson	West Palm Beach
Louisville	Jacksonville
	Columbia

Deploy alternate tandem arrangement in these thirteen areas in concert with the implementation of the Major Metropolitan Facility Diversity Program. We recommended that these new tandem locations be established by the end of 1991 to provide alternate routing capabilities to selected offices with necessary interoffice facilities available now.

6. Request BOCs to document alternate access tandem plans and associated budget requirements by 4089 for the remaining eighteen Category A wire centers as classified by the Service Continuity Committee. Expenditures for this portion of the program are expected to continue beyond 1993. These plans should be developed for the following locations:

SOUTH CENTRAL	SOUTHERN BELL
Knoxville	Greenville
Shreveport	Greensbor o
Baton Rouge	Raleigh
Huntsville	Charleston
Montgomery	Gainesville, Fla
Chattanooga	Asheville
Lafayette	Macon
Mobile	Savannah
	Augusta
	Daytona Beach

BSS SME: Bruce Coker 404-529-7330

PROGRAM: End Office Switch Restoration

PROGRAM DESCRIPTION: Provides end office switch restoral plans. Provides temporary restoral options that offer basic service within 48 to 72 hours to essential customers (fire, police, hospital, and essential business lines) by means of a portable containerized switch. The portable switch plan requires that the frame, or the cable vault in some cases, be intact to permit rapid retermination. Program also addresses permanent restoral solutions of total replacement of the damaged equipment. A permanent solution would be implemented in parallel with any temporary restoral plan chosen for use.

RECOMMENDATIONS:

- 1. BSS to finalize by 1089 each major switch vendor's plans for portable containerized switches for national use. Also evaluate the vendor's new remote switch proposals.
- 2. Evaluate by 1089 the major switch vendor proposals of acquiring a BellSouth portable containerized switch.
- Develop a trial situation and mock cutover plan to determine the feasibility of the switch trailer being in service within 48 to 72 hours.
- 4. Based on results of vendor evaluation, as well as the results of the above trial submit RFP for an exclusive BellSouth portable containerized switch on a lease plus service contract basis.
- 5. Based on the results of these tests and the options available from the vendor's switch trailers for national use, determine the need for an additional BellSouth switch trailer of a different vendor.
- 6. Provide a self-contained transmission trailer for use with the portable switch trailer.
- 7. Investigate other short term strategies such as FX lines and cellular radio.
- 8. Continue negotiations with the switch vendors regarding improvements in their advertised cutover intervals for diverted switch equipment from their standard manufacturing levels.
- 9. Expenditures required for this project are being finalized pending further negotiations with vendors. Additional information will be provided in the near future.

BSS SME: Bruce Coker 404-529-7330

PROGRAM: Major Metropolitan Facility Diversity

PROGRAM DESCRIPTION: Provide full fiber connectivity in thirteen critical metropolitan areas. This proposed architecture would provide a minimum of two fiber routes out of major central offices in selected metropolitan areas. Requires the establishment of new procedures to insure all working and protection circuits route on diverse facilities. This would insure that the loss of any link or node in the metro area could effectively be bypassed with minimal impact on the rest of the network. This plan would preclude catastrophic network failures by providing full routing capability around link or nodal failures. Implementation of this program for a specific metropolitan area is a prerequisite to implementing the access tandem switch diversity plan for that metro area. Total expenditures for this portion of the plan are estimated to be \$178.3 million.

RECOMMENDATIONS:

 Develop or expand implementation plans for the aggressive deployment of diverse fiber routes in the following thirteen critical metropolitan areas.

South Central Bell	Southern Bell
New Orleans	Atlanta
Náshville	North Dade
Memphis	Charlotte
Birmingham	Orlando
Jackson	West Palm Beach
Louisville	Jacksonville
•	Columbia

Critical diverse routes should be identified and prioritized for earliest placement.

- 2. Coordinate the major metro diversity placement with the access tandem switch diversity program. Our objective for full implementation of the major metro diversity plan is December, 1991.
- 3. Document plans for full fiber connectivity for remaining metropolitan areas containing category A wire centers as classified by the service continuity committee. These are as follows:

South Central Bell	Southern Bell			
Knoxville	Greenville			
Shreveport	Greensboro			
Baton Rouge	Raleigh			
Huntsville	Charleston			
Montgomery	Gainesville, FL			
Chat tanooga	Asheville			
Lafayette	Macon			
Mobile	Savannah			
	Augusta			
	Daytona Beach			

4. Develop procedures to insure utilization of diverse routing capability after implementation. These procedures should address working and protection alternatives such as diverse path routing, split path protection, ring technology etc., and should reflect both near and long term objectives.

PROGRAM: Statewide Facility Diversity

PROGRAM DESCRIPTION: Aggressive completion of the basic network architecture to provide facility diversity for all access tandems in the BellSouth region. The statewide architecture developed by this program will provide a survivable network with diverse routes out of each access tandem, so that the loss of any link in the network will not cause the catastrophic loss of company communications, operational support systems, data center capabilities, common channel signaling network, E911 capability, or other data circuits critical to network integrity. Total estimated expenditures for the Statewide Facility Diversity Program are estimated to be \$123.3 million.

RECOMMENDATIONS:

- Develop or expand implementation plans to place increased emphasis on placement of diverse fiber routes. Critical diverse routes should be identified and prioritized for earliest placement. Our objective for full implementation is December, 1991. Priority should be given to the BSCN.
- 2. Ensure that placement of diverse routes are cognizant of and include requirements for other BellSouth or company programs such as the data center consolidation plan, Signaling System-7 diversity requirements, etc.
- Utilize other triggers, exhaust situations, technology upgrades, etc., where practical to provide diversity in the most economical manner.
- 4. Provide detailed implementation plan including prioritization of critical routes for inclusion in the service continuity program.
- 5. Develop procedures to insure utilization of diverse routing capability after implementation.
- 6. Consider leasing of critical interoffice facilities if this is appropriate. If your plan includes new leases, please report these amounts on Attachment 8.

PROGRAM: Transmission Trailer

PROGRAM DESCRIPTION: Provide core amount of transmission equipment (DSX, ORBs, optical terminations, channel banks, central office terminals, air pressurization equipment, etc.,) in a self contained environmentally controlled trailer. This equipment would be centrally located in the BellSouth region and would be used in conjunction with the portable switch being proposed under the switch diversity plan. This equipment would be utilized with the portable switch to provide temporary service to critical customers until permanent restoration is achieved. Total expenditures for the transmission trailer are estimated to be \$500 thousand.

RECOMMENDATION:

- BSS will begin joint planning with SCB and SBT for deployment of the transmission trailer coincident with the deployment of the portable switch in the 1989 timeframe.
- 2. Develop and document methods and procedures for utilizing transmission equipment with the portable switch. Conduct a joint field trial in 2090 to test cutover procedures and quantify restoration timeframe for critical customers.

PROGRAM: Cabinetized Transmission Equipment

PROGRAM DESCRIPTION: Establish a pool of portable transmission equipment strategically located in each company to allow rapid restoration of service after a facility or switching failure. Provide core amount of cabinetized transmission equipment (channel banks, DSX, ORBs, optic terminals, digital microwave, etc.) centrally located for rapid deployment and restoration of critical service or large customer restoral until permanent restoration is achieved. This program will expedite restoration of critical services on a temporary basis during the first few hours of a serious service outage while permanent service plans and equipment are being assimilated. This equipment also provides capability of providing rapid service restoration to large customers isolated because of premise equipment or route failures. Total expenditures for this program are estimated to be \$3.0 million.

RECOMMENDATIONS:

- 1. Develop implementation plans for amounts of core equipment based on local requirements. Detailed plans for storage locations should be documented. Suggested storage locations are selected PICS warehouse locations in one or more states or at the primary material management centers.
- 2. Develop procedures to rotate all standard shelf-mounted equipment to the field on working projects semi-annually with new equipment provided to the portable equipment pool.

SERVICE CONTINUITY BUDGET TRACKING REPORT

Based upon your proposed plan, we are requesting that you summarize your total budget requirements to implement Attachments 1 to 7 in the format provided below. While each BOC has some portion of the projects funded in their existing budgets, it is important to note that the BSS estimates provided in previous attachments represent total budget requirements.

These budget estimates for major fiber placements should assign a prorated portion of the fiber costs in the format included in the Statewide and Metropolitan facility sections below. However, if only incremental fiber pairs are required to implement this diversity, then the actual cross-section trigger should absorb the majority of these expenditures.

The metropolitan facility diversity expenditures should be reported separately for each metropolitan area.

OPERATIONS/ENVIRONMENTAL PROGRAMS

CAPITAL (\$M) Land & Bldg COE	<u>1988</u>	1989	1990	1991	1992	1993	<u>1994</u>
EXPENSE (\$M) Land & Bldg COE	:						

ACCESS TANDEM DIVERSITY

CAPITAL (\$M) COE (SW \$)	1988	<u>1989</u>	1990	<u>1991</u>	1992	1993	1994
---------------------------	------	-------------	------	-------------	------	------	------

EXPENSE (\$M)
COE (SW \$)
(includes RTU
Fees)

STATEWIDE FACILITY DIVERSITY

CAPITAL (\$M) 1988 1989 1990 1991 1992 1993 1994

BSCN

-Fiber

-Electronics

BSCN diversity

-Fiber

-Electronics

INTRA LATA

-Fiber

-Electronics

LOCAL LOOP

-Fiber

-Electronics

EXPENSE (\$M)

COE (\$)

OSP (\$)

LEASED FACILITIES

EXPENDITURES (\$)

METROPOLITAN FACILITY DIVERSITY

CAPITAL (\$M) 1988 1989 1990 1991 1992 1993 1994

BSCN

-Fiber

-Electronics

BSCN diversity

-Fiber

-Electronics

INTRA LATA

-Fiber

-Electronics

LOCAL LOOP

-Fiber

-Electronics

EXPENSE (\$M)

COE \$

OSP S

PORTABLE TRANSMISSION EQUIPMENT

CAPITAL (\$M) 1989 1990 1988

.25 Trailer (Estimated Cost Per BOC)

- Bldg. \$
- COE \$ (Electronics)

Cabinetized Eqpt.

- COE \$ (Electronics) - OSP \$ (Fiber)

BSS SME: Lamar May 205-321-5440 File Code: 930.0000

April 30, 1990

To: See Distribution List

From: Gary Huggins, Staff Manager - ISTS

Subject: Meeting Minutes

Attached are the minutes of a meeting held on April 23, 1990 to discuss capacity requirements of the fiber network that will link the regional data centers. If you have any questions or comments concerning the information contained in these minutes, feel free to call me at 205-988-1935.

Attachment

Distribution List

Jim Thomason Charlie Holliday Gary Dunavant James Scurlock Rick Liddell Denny Shula Ron Murphy John Weaver W. T. Sawyer Linda Grainger Melvin McCowan Mike Pretnar J. R. Milford Joe Brown Deborah Huff John Baker John Durr Bill Baugnon David Switzer

Data Center Deployment Fiber Network Meeting Minutes

On April 23, 1990 a meeting was held in Birmingham to discuss the capacity requirements of the fiber network that will link each of the regional data centers (See Attachment 2 for attendees). Gary Huggins opened the meeting by reviewing the results of a study performed in early 1988 for this same purpose (See Attachment 3) which stated that 80 DS3s would be required between each of the regional data centers. The charge of the group assembled at this meeting is to take another look at the requirements of the fiber network and determine the capacity requirements of the network based upon the most current information available.

Discussion in the meeting centered around three issues which are listed below. Gary Huggins stated that the fiber network should be designed to support the functions addressed in each of these issues.

- Maintaining a "Shadow Database" of all category 1 and 2A applications at a second regional data center.
- Providing Load Sharing between the regional data centers.
- Providing Disaster Avoidance/Dynamic Backup for the regional data centers.

The feasibility of providing these functions in the 1990's was discussed in detail. The ability to provide Load Sharing and Disaster Avoidance/Dynamic Backup is dependent upon our ability to maintain a Shadow Database of all critical databases at a second regional data center. It was generally agreed that a "real time" shadow database would be extremely difficult and expensive to maintain but a shadow database updated in a matter of seconds or minutes could be maintained within reason.

There was much skepticism over the ability to provide true Load Sharing in the 1990's. Load Sharing appears to be extremely difficult to administer and the group was generally undecided as to whether or not this function could be provided in the 1990's. This issue is far from being resolved and will be addressed by the Data Center Deployment Team and at succeeding meetings of this group.

Disaster Avoidance/Dynamic Backup is dependent upon our ability to maintain a "Near Real Time" Shadow Database of critical applications at a second regional data center. Also, true Dynamic Backup is dependent upon our ability to move the "termination" of user circuits from the data centers to the central offices. ISDN will provide this ability but the group doubted that we would see

ISDN fully deployed throughout BellSouth in the 1990's. The timeframe in which true Dynamic Backup can be provided and the resulting impact on the capacity requirements of the fiber network will be considered in detail by this group.

To determine the impact of maintaining shadow databases and providing disaster avoidance/dynamic backup, the following information will be compiled. Denny Shula and David Switzer will be compiling this information.

- The category 1 and 2A applications that have databases.
- The number of write transactions to those databases on an average day.
- The average amount of data being transmitted with each write transaction.
- The number of read transactions associated with those databases on an average day.
- The average amount of data being transmitted with each read transaction.

Also, the amount of data currently being transmitted between data centers will be determined. This will include the following "inter-data center" traffic.

- BSDN (XN10 Network)
- Bulk Data Transfer (i.e. Hyperchannel, RDS, etc.)
- LMOS Front-Ends
- Datakit
- RCS

The anticipated traffic on the BellSouth Open System Interconnect Platform Routing Network (BOSIP) will be combined with the traffic currently being transmitted on the networks listed above. All of this information will be compiled and combined to assist in determining the capacity requirements of the fiber network that will link the regional data centers.

This group will meet again in the May-June timeframe, depending on the time required to compile the information listed above. A meeting notice will be distributed as to the time and location. At this meeting, justification for the Shadow Database, Load Sharing, and Disaster Avoidance/Dynamic Backup requirements will be discussed in more detail.

Meeting Attendees

Jim Thomason
Charlie Holliday
Gary Dunavant
James Scurlock
Rick Liddell
Denny Shula
Ron Murphy
John Weaver
W. T. Sawyer
Linda Grainger
Gary Huggins

Appendix A - Communications

17

18

This appendix is primarily concerned with the communications network necessary to link the seven sites. However, it also provides some information on the terminal to processor communications.

COMMUNICATIONS AMONG THE RDCs, TEST/DISASTER RECOVERY SITE, AND I/O OFFICES

The communications plan for the data processing center deployment plan is based on 24-strand fiber cable using ring diversity with 50 millisecond switch on failure. The network will consist of three rings as follows:

Nashville-Jackson-Birmingham (NSVL-JCSN-BRHM)

Charlotte-Miami-Atlanta RDC (CHRL-MIAM-ATLN)

Birmingham-Atlanta SBC-Atlanta RDC (BRHM-SBC-ATLN)

Each ring will consist of Remote Comptrollers I/O Offices will be served by one

Attachment 1 contains a graphical representation of the communications network. The costs for the network used in the economic study assume that the network connecting the seven proposed sites will be an incremental addition to an existing fiber network.

The economic study also included the costs for installing a fiber network to connect Birmingham-Nashville and Charlotte-Miami in the mid-1990 time frame. This would be necessary if Nashville and Charlotte-are used to alleviate the capacity constraints in Birmingham and Miami.

TERMINAL TO PROCESSOR COMMUNICATIONS

The entire base of terminals was covered under the "Regional Terminal and End User Computing Environment" policy approved on December 17, 1987. As information, the terminal base is planned to last two years from the end of 1987 with planned replacements two years beyond that, or four years total. The new terminals will be compatible with the strategic direction of the network, i.e. ISDN, even if they are not ISDN devices.

17

PRIVATE

Appendix A - Communications (Continued)

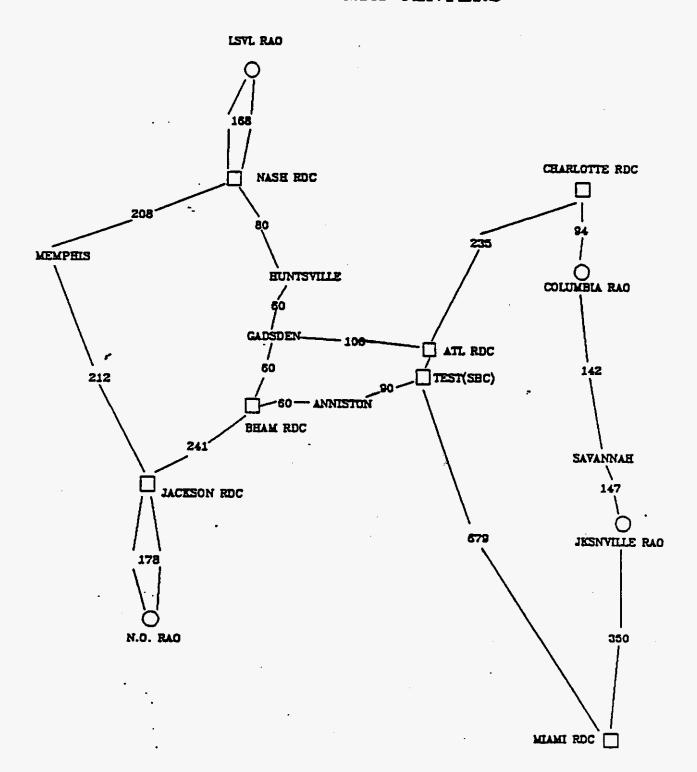
Considering the schedule for ISDN along with the planned phase out of terminals, we should not force uneconomical changes in the terminal population prior to 1992-1993. As detailed studies of each implementation step are done, the need for and the expense of re-homing terminal to processor circuits must be considered.

ISDN is currently undergoing "first office application" pilots (1988-1989). By 1990-1991 the ISDN standards should be available for general deployment. If major data center consolidation occurs beyond 1992, we should have little difficulty meeting the terminal to processor communications needs in a standard operating environment.

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PRIVATE

TYPICAL FIBER ROUTE SERVING REGIONAL DATA CENTERS



Appendix A

DATA CENTER COMMUNICATIONS COSTS FIBER ROUTE WITH RING DIVERSITY-50 MSEC SWITCH ON FAILURE

- Communications for the data centers is based on a 24-strand fiber cable using ring diversity.
- Should an interruption occur between any two nodes, the data stream travelling in the other direction switches in 50 milliseconds.
- There are 3 rings: (NSVL-JCSN-BRHM); (CHRL-MIAM-ATLN); (BRHM-SBC-ATLN).
- Three fiber pairs will provide bandwidth for each.
- 16 There are in each ring.
 - The Revenue Accounting Offices will be served by 1 DS3 of 50 megabits.
 - Fiber costs = \$1000/mile/fiber pair
 - Bandwidth = 1.7 Gigabits/fiber pair; or 36 DS3 channels/fiber pair @ 50 megabits each.
 - Each ring of Regional Data Centers requires 20 hyperchannels.
- 23 Each hyperchannel = 24
 - At 36 DS3 per fiber pair, will require 3 fiber pairs per ring.
 - Repeater electronics costs = \$45/DS3/mile (Could be less if 150 megabit channels are used instead of 50 megabit).
 - Node electronics = \$4200/DS3 for in and out; \$6500/DS3 for drop.
 - Revenue Accounting Offices require 1 DS3; only 1/36 of a fiber pair so assume fiber available with BSCN.
 - Ring miles = road miles plus 10% rounded; follow interstate highways with loops to access central offices.

PRIVATE

Attachment 3
Page 5 of 5

DATA CENTER COMMUNICATIONS COSTS (\$ Millions)

	A	В	۲.	D	E							
	RING	MILES	FIDER PAIRS	NYP	083	D\$3 NODE\$	083 DROPS	\$ FIBER	4 REPEAT	\$ NODES	S DROPS	TOTAL
7	NSVL-JCSN-BRHH	950	3			240	240	2.850	3.420	1.008	1.560	8.838
8	CHRL-HIAM-ATEN	1820	3			240	240	5.460	4.552	1.008	1.560	14.580
9	BRHH-SOC-ATLN	350	3			240	240	1.050	1.260	1.008	1.560	4.878
10	DATA CHIR TOTAL	3120	9			720	720	9.360	11.232	3.024	4.680	28.296
	NUOR-JCSN	400			1	. 2	2		0.034	0.008	0.013	0.057
	LSVL-NSVL	400			1	2	2		0.036	0.008	0.013	0.057
	CLMA-CHRL	1820			1 .	6 % 2	2		0.164	0.005	0.013	0.185
	JCVL-KIAH	1820			1	2	2	ı	0.164	0.008	0.013	0.185
	RAO TOTAL	4440			4		a	0	0.400	0.034	0.052	0.485
	TOTALS	7560						9.360	11.632	3.058	4.732	26.781

PRIVATE



Accounts Chargeable Estimate No. V-5065 ORIGINAL ESTIMATE

Sheet 2 Of 3

Location/	Account	Gross	Plant	0-1	Cost Of	_		TELCO
Area No.	Code B	Additions	Retired	Salvage	Removal	Expenses	Interest	Eng.
A	<u> </u>	С	D	E	F	G	Н	7.1
		. I						
		1]	İ
	4C	174,600	-	_	_	-	_	13,8
	R4C	5,000	-	_	-	-	_	5,0
	85C	1,500,000	· -	_	-	-	_	63,3
31594	86C	22,900	~	_	_	-	_	3,6
31594	R86C	1,000	-	_	-	-	-	1,0
	211.1	60,000	-	_	-	-	_	10,0
	845C	1,033,800	_		-	-	-	96,3
	R845C	10,000	-	-	-	-	-	10,0
	5x	_	_	_	500	_	_	_
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	6М	_	_	_		1,000	_	_
	45M	_	~	_	_	5,000	_	-
						3,000	-	-
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	i			-				
	Prior Year (s)	_		••				
T -4 ·	Current Year	200,000		-	_			
Total	Subsequent Year		-	-	500	14,000	_	203,0

Summary Of Effect On T	he Accounts
Gross Expenditures-Total Column (C) Plus Column (F)	2,807,800
Net Requirements-Total Column (C) Plus Column (F) Minus Column (E)	2,807,800
Net Additions-Total Column (C) Minus Column (D)	2,807,300

Estimate Prepared By	
	RICHARD A. COWLEY
R.C. Engr.	
	N21332000
R.C. Const. Mgr. (Dist.	
	N21316000



Accounts Chargeable Estimate No. V-5065 ORIGINAL ESTIMATE PLUS

SUPPLEMENT NO. ONE

Sheet 3 Of 3

Location/	Account/	Gross	Plant		Cost Of			TELCO
Area No.	Code	Additions	Retired	Salvage	Removal	Expenses	Interest	Eng.
A	В	С	D	Ε	F	G	Н	1
] [
	4C	174,600	_	_			_	9,3
	R4C	5,200	_	_		_	_	5,2
	5C	9,500	_		_	_	_] 3,2
	45C	200	-	_		_	_	
	85C	734,000	_	<u> </u>	-	_ \	_	43,3
31594	86C	59,300	_	_	_	_	_	2,1
31594	R86C	600	-	_	ļ ,	_	_	6
34809	211.1	10,200	_	l <u>-</u>	<u> </u>	_	_	1,8
34808	211.1	10,200	_	_	1 _	_	_	1,8
34811	211.1	10,200	· _	_	_	_	<u> </u>	1,8
	822C	41,900	<u>.</u> .	-	} _		_	5
	845C	928,300	_	! _	_	_	_	75,0
	R845C	5,500	_	_	_			5,5
					<u> </u>			3,3
	5x	-	-	_·	500	·	_	_
	5M	-	-		_	2,000	_	_
	6M	-	_	_	_	1,000	-	_
	45M	-	-	-	-	5,000	· -	-
	5R	_	••	<u> </u>		2,000	_	
	6R	_	_	_		1,000	_	_
•	45R	-	-	_	-	3,000	-	_
				<u> </u>				
						·		
	Prior Year (s)	921,652	_		71			
	Current Year	1,068,048	_	_	429			
Total	Subsequent Year		-	_		14,000	_	147,2

Summary Of Effect On The Accounts				
Gross Expenditures-Total Column (C) Plus Column (F)	1,990,200			
Net Requirements-Total Column (C) Plus Column (F) Minus Column (E)	1,990,200			
Net Additions-Total Column (C) Minus Column (D)	1,989,700			

Estimate Prepared By	
	R. A. COWLEY
R.C. Engr.	
	N21332000
R.C. Const. Mgr. (Dist.	
	N21316000

TOTAL UNDERTAKING SHEET

Status	Authority Number	Title	Gross Additions (\$)
This Submittal	P47016 EV5065	Lightguide Cable Panama City to Ft. Walton Beach	1,989,700
Approved 5-25-84	P66138 EV8522	Lightguide Cable Holly-Navarre to Ft. Walton Beach	415,800
Approved 5-7-84	P67603 EV8408	Lightguide Cable Belmont to Gulf Breeze	235,500
Approved 4-27-84	P67604 EV8351	Conduit Pensacola Bay Bridge	62,700
Approved 8-2-84	P67605 EV8798	Lightguide Cable Gulf Breeze to Holly-Navarre	499,600
Approved 10-16-84	P66139 EV9095	Lightguide Cable Panama City to Graceville	1,511,500
Submitted 3-1-85	P47226 EV5064	Lightguide cable Graceville to Georgia Line	578,100
Approved 9-27-84	P67606 EV8954	Lightguide Cable Warrington to Belmont	181,400
Total			5,474,300

TYPE ITYPE ISSUE! * EMPAC OUTS: OSP1 1 ! SHORT TERM	IDE PLANT * !ISSUE !PRINT DATE!PROJECT 0032 07/11/86 47016
IENGRI GRP I AUTH IAREA NOI D' 011 RACI JRE I SP I 31500 I WEST	IV ! DIST ! LOCATION DIV ! WEST FLA ! REMOTE CO EQUIPMENT
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ØSIDESC LIGHTGUIDE CABLE PANAMA C	
!3	
061 / / / 1 02/19/85/A1 02/27/9	ENGR ! AUTH SUB ! AUTH APP !MAT LIST FUR 85/A ! 04/19/85/A! 06/24/85/A ! 09/06/85/A
! DRWG/CONST! MAT REQRD ! STAR' 07! 10/16/85/A! 11/15/85/A! 11/18/	T ! COMP C WRK! COMP ALL ! SVC NEED 85/A ! 05/31/86/ ! 07/01/86/ ! 07/01/86/
'I SUPP SUB ! SUPP APP ! CONTR ! @8! @6/12/86/A! @7/15/86/ ! 10/07/	BID ! RGT OF WAY! PLNT RETRD ! SERVICE 85/ ! 12/01/85/ ! / / ! 05/31/86/
I INC PRS AVAIL I CO I TRUNK IOIYRI SUBR IOIYRI TRCH	NDUIT(ØØØ) ! BURIED !EST CONTR !BID CONTR FT! DCT FT ! CA(TLF)! COST ! COST ! 9.6! 248.6! !
CEC!COP!%COP!	!ASSOC#!%GA! TITLE OF ASSOC !WC!AL!MP
I ACCT ICOPI DOLLARS ! % COIMIR	EBI I 1 ACCT 1COP! DOLLARS 1 % COIM!REB I 1381R845C 1FTK1 550C1 1Y!
! ACCT !PLANT RETRD! SALVAGE ! 48!5X ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! !	COST OF REM! % CC!M! 500 ! !Y! ! !! ! !! ! !! ! !! ! !! ! !! !

COST DETAILS

ITTPE PROJECT TYPE ISSUE			AREA: NORTH F	LOR	IDA	-	(11	TRANSACTION)	DATE	07/11/85
LN1 ACCOUNT SOURCE!M1 DESCRIPTION DOLLARS DO		1	TYPE PROJEC	T !	TYPE	:]	ISSUE		Issu	E NO. 0032
		1	OSP1 1 47@16	i			i		PAGE	ØØ&1
CTB CONTRACT BILLING 306600									<u>1</u>	
CTB CONTRACT BILLING 306600										
		341	2111	!				DITTING	!	
46! 45C ! GEN ! IGENERAL 1 11146 351 4C ! GEN ! IGENERAL 1 11146 1 CTB ! CONTRACT BILLING 1 163466 1 TOT ! TOTAL 1 174602 471 5C ! GEN ! IGENERAL 1 9502 321 822C ! GEN ! IGENERAL 1 35336 1 CTB ! CONTRACT BILLING 1 6564 1 TOT ! TOTAL 1 10000000000000000000000000000000000				1		-		BILLING	1	
35 4C		•		•	101	•	.101111		•	CCCCD
		46	45C	!	GEN	1	IGENERAL		1	200
	•	751	. <u> </u>	ı	CEN		ICPNEDAT		1	11140
		JJ .	; 2 0	i				RILLING	i	
#7! 5C ! GEN! IGENERAL ! 9500 32! 822C ! GEN ! IGENERAL ! 35336 ! CTB! ICONTRACT BILLING ! 6564 ! TOT ! ITOTAL ! 41900 29! 845C ! GEN ! IGENERAL ! 511932 ! CTB ! ICONTRACT BILLING ! 330368 ! CTB ! ICONTRACT BILLING ! 330368 ! TOT ! ITOTAL ! 65256 ! GEN ! IGENERAL ! 65256 ! CTB ! ICONTRACT BILLING ! 20744 ! CTB ! ICONTRACT BILLING ! 20744 ! TOT ! ITOTAL ! 66000 20! 85C ! GEN ! IGENERAL ! 147870 ! CTP ! ICONTRACT BILLING ! 7530 ! TOT ! ITOTAL ! 155400 31! 85C ! GEN ! IGENERAL ! 1564091 ! CTB ! ICONTRACT BILLING ! 14509 ! TOT ! ITOTAL ! 578600 33! 86C ! GEN ! IGENERAL ! 564001 33! 86C ! GEN ! IGENERAL ! 578600		-		i				71111110	i	-
321 822C		,		•		•			V	2.101
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		30	esse.		CTN	1	ICPNEDAT		t	35336
		SZ	1 0220 1	1				RITIING	•	
29! 845C GEN IGENERAL 330368		-	1	i				BILDING	i	
S45C GEN IGENERAL S11932 S30368 S45C CTB ICONTRACT BILLING S30368 S45C GFN IGENERAL S6256 S65C CTB ICONTRACT BILLING S20744 S6606	,	•	•		•			•		
	٠.	29	! 845C	1					1	511932
30! 845C ! GFN ! IGENERAL ! 65256 ! CTB ! ICONTRACT BILLING ! 20744 ! TOT ! ITOTAL ! 96000 20! 85C ! GEN ! IGENERAL ! 147870 ! CTP ! ICONTRACT BILLING ! 7530 ! TOT ! ITOTAL ! 155400 31! 85C ! GEN ! IGENERAL ! 564091 ! CTB ! ICONTRACT BILLING ! 14509 ! TOT ! ITOTAL ! 578600 33! 86C ! GEN ! IGENERAL ! 578600			•	1				BILLING	1	
! CTB ! !CONTRACT BILLING ! 20744 ! TOT ! !TOTAL ! 26600 29! 85C ! GEN ! !GENERAL ! 147870 ! CTP ! !CONTRACT BILLING ! 7530 ! TOT ! !TOTAL ! 155400 31! 85C ! GEN ! !GENERAL ! 564091 ! CTB ! !CONTRACT BILLING ! 14509 ! TOT ! !TOTAL ! 578600 33! 86C ! GEN ! !GENERAL ! 578600			! .	. 1	TOT	1	1 TOTAL	•	• 1	842300
! CTB ! !CONTRACT BILLING ! 20744 ! TOT ! !TOTAL ! 26600 29! 85C ! GEN ! !GENERAL ! 147870 ! CTP ! !CONTRACT BILLING ! 7530 ! TOT ! !TOTAL ! 155400 31! 85C ! GEN ! !GENERAL ! 564091 ! CTB ! !CONTRACT BILLING ! 14509 ! TOT ! !TOTAL ! 578600 33! 86C ! GEN ! !GENERAL ! 578600		30	1 8450	ı	GEN	1	IGENERAT.		1 .	65256
		~	. 0100 !	i				BILLING	i	•
28! 85C ! GEN! IGENERAL ! 147870 ! CTP! ICONTRACT BILLING ! 7530 ! TOT! ITOTAL ! 155400 31! 85C ! GEN! IGENERAL ! 564091 ! CTB! ICONTRACT BILLING ! 14509 ! TOT! ITOTAL ! 578600 33! 86C ! GEN! IGENERAL ! 6787 ! CTB! ICONTRACT BILLING ! 52513	•		1	1					i	
! CTP ! ICONTRACT BILLING ! 7530 ! TOT ! ITOTAL ! 155400 31! 85C ! GEN ! IGENERAL ! 564091 ! CTB ! ICONTRACT BILLING ! 14509 ! TOT ! ITOTAL ! 578600 33! 86C ! GEN ! IGENERAL ! 6787 ! CTB ! ICONTRACT BILLING ! 52513									•	
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31! 85C ! GEN ! !GENERAL ! 564091 ! CTB ! !CONTRACT BILLING ! 14509 ! TOT ! !TOTAL ! 578600 33! 86C ! GEN ! !GENERAL ! 6787 ! CTB ! !CONTRACT BILLING ! 52513		•	Ī	!				BILLING	1	
! ! CTB!!CONTRACT BILLING ! 14529 ! TOT!!TOTAL ! 578600 33! 86C ! GEN!!GENERAL ! 6787 ! CTB!!CONTRACT BILLING ! 52513			1	I	TOT	I	ITOTAL		I	155400
! ! CTB!!CONTRACT BILLING ! 14529 ! TOT!!TOTAL ! 578600 33! 86C ! GEN!!GENERAL ! 6787 ! CTB!!CONTRACT BILLING ! 52513		31	1 85C	i	GEN	1	IGENERAL		i	564091
1 ! TOT ! ITOTAL ! 578600 33! 86C ! GEN ! IGENERAL ! 6787 ! CTB ! ICONTRACT BILLING ! 52513			1	1				BILLING	i	
! CTB ! !CONTRACT BILLING ! 52513			ī	1					1	
! CTB ! !CONTRACT BILLING ! 52513	:	77	l oer	1	CEN	,	1 C P N P D A T		1	6000
		UU	1	1				RILLING	1	
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-F3- 271486 2453/071486 2456

920260-76 STAFF5/4# POD ITEM # 130 PROPRIETARY REDACTED 00812 JAN 20 8 FPSC-RECORDS/REPORTING

Musto: CABI fac. Myra - With T BJY D JA: **ÆRF** Southern Bell □/tsc H. N. Ivester 7JJ2 Southern Bell Tower
CITCUTATE 301 W. Bay Street
Jackson IIIe, FL 32202
AET 70 HQB04) 350-4500 Operations Manager - Tactical Planning Switched Services - Provisioning 3 : HIE TOPY FOR HCL ECP May 6,1987 □ JLN OPERATIONS MANAGER Mr. L. C. Harvel Operations Manager-PIAC/ESC Jacksonville, Florida Mr. W. E. Price Engineering Manager-Equipment Engineering-CKT./FLA Jacksonville, Florida Dear Gentlemen: Enclosed is the May, 1987 issue of the 1987 through 1989 North Florida Area T-Carrier Span Conditioning Forecast and Central Office Repeater Bay Cabling Schedule. In addition, the North Florida Area Fiber Optic and Multiplex Systems requirements is *(* : included. The span requirements identified in this forecast are not only to provide digital relief for normal forecasted circuit growth, but are critical to the successful timely completion of various office cutovers. The next issue date for this information will be July, 1987. . .53 Questions regarding this forecast should be directed to the individuals listed below? LATA TELEPHONE # -GainesVille: Mr. Ken Godwin 904-350-7832 Jacksonville Ms. Celeste Jacobson 904-350-3903 Panama City Mr. Charles Perry 904-350-3354 Mr. Charles Perry Manager-Tact Provisioning Attachments ENGINEERING GROU JKVĽ~NW

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See Lesconstion of Defa.

. JACKSONVILLE LATA . NORTH_FLORIDA Elbec_Qutic_and_Multiplex_Sustem_Beavicements_foc_1797

***************	OULTIPLEX_INE			*****				FIBER	NUMBER OF	
OS3 SYSTEM	DS3 _SY51_#_	SPAN CONDITION DUE DATE	DSX TERM AT _'A'_	DSX TERM AT	FIBER SYSTEM	SYSTEN	BIT . RATE I <u>N_Mbs</u>	System Service <u>_Paie_</u>	REGENERATOR POINTS IN ROUIE	PROTECTION System <u>Involved</u>
# BLDWA-JCVLNO NW	•	02-01-87 k BLJCA to Dist	DS1 tribution 05	DS1 5-01-87.	BLDWNA-JCVLNO .	3951	560	Exist	•	3999:BLDWAA- JCVLNO
FRBHFP-JCVLCL HW	3901 3902	02-19-87 07-01-87	051 D51	OS1 DS1	FR8HFP-YULENA	3951	.540	04-07-87	•	3999:FRBHFP- YULEMA
	•				ANTENV-TCATOR	3951	540	04-07-87	- :	JCVLOW JCVLOW
		. •			JCAFON-JCAFCF	3951	560	04-07-87		JCVLCL JCVLCL
# FTGRMA-JCVLOW Net	3901	07-01-87	051	DS1	FTGRMA-JCVLOW	3951	45	06-15-87	, -	3999:FTGRMA- JCVLOW
N GCSPCN-JCVLCL NA	3903	04-15-87	DS1C	DSI	GCSPCH-ORPKHA	3951	560	Exist .	•	3999:GCSPCN- DRPKMA
			•		ORPKNA-JCVLUC	3951	560	Exist	•	3999:ORPKMA- JCVLWC
	·				JCVLWC-JCVLRV	39 51	560	Exist	-	3999:JCVLWC- JCVLRV
		•	•		JCAFKA-JCAFCF	3952	560	04-01-87	-	3998: JCVLRV- JCVLCL
R GCSPCN-PLTKAA NOTEF _{TO} Due _f date char	3901 ngeđạto 1988.	والمرادية	,,							
GŚVĹŔĄ-JĊVĹCĽ	3902	06-01-87		esville LAT/	A					
H HSNOXA-PLTKHA	3901 270.	04-24-87	DS1	OSI	HSNGXA-PLTKRA	3951	45	04-24-87		3999:HSNGXA- PLTKMA
JCBHAB-JCVLBW	3901	02-01-87	DS1	D\$1	JEBRAB-JCVLBW	3951	45	91-15-87	-	3999: JCBHAB- JEVLBY

HOTE: *INDICATES INTER-LATA SYSTEM BINDICATES CHANGE SINCE LAST ISSUE

	<u>AULTIPLEX INF</u>	ORNATION	100u		•			FIBER	NUMBER OF	
DS3 SYSTEM 	0\$3 _\$ <u>7</u> \$#_	SPAN CONDITION <u>DUE DATE</u>	DSX TERM AT	DSX TERM AT	FIBER SYSTEM	SYSTEM	bit Rate <u>IN_Dbs</u>	System Service _Dale_	REGENERATOR POINTS IN ROUTE	PROTECTION System Involved
# JCBHSP-JCVLBW SE	3901/3903	05-01-87	DS1	DS1 .	JCBHSP-JCVLBW _	3951	45	04-15-87	•	3999: JCBHSP- JCVLBW
NGTE: 3901 is exist system (3951) and i NTI FD565 system (3	will be retermin	ated to a	DS1	051			565 lave (3951) il be disc		- ;	3998: JCBHSP- JCBLBV
JCVLAR-JCVLFC SE	3901	08-01-87	DS1	DS1	JEVLAR-JCVLFC	3951	560	07-15-87	. .	3999: JCVLAR JCVLFC
N JCVLCL-JCVLNO NOTE: Due date char	3906 nged to 04-01-88	١.								
JCVLCL-JEVLOW	3901-3902	02-19-87	DS1	DS1 /	TCAFCF-TCAFOM	3951	560	04-07-87	-	JCAFOR 3444: JCAFCF-
# JCVLCL-JCVLRAIND	3904	05-01-87	DS1	Optical	JCVLCL-JCVLRA1ND	3953	560	Exist	- ,	3997:JCVLCL- JCVLRA1ND
1CAFCF-7CAF27	- 3906	01-27-87	DS1	DSÍ	JCVLCL-JCVLSJ	3951	560	Exist	-	JCAF27 3668: JCAFCF-
1CAFCF-1CAF21	3909 3910	04-01-87 12-01-87	DS1 DS1	051 051	JEVLCL-JCVLSJ	3952	560	Exist	. •	JCAF27 3648: TCAFCF-
JCAFCF-TCAF2W	3901	10-01-87	DS1	951	JCVLCL-JCVLSM	3951	565	09-15-87	• -	3999: JCVLCL- JCVLSM
M JCVLCL-JCVLWAIRD NOTE: This is a dis	3903-3904 sconnect activit	03-15-87 y•	051	051	JCVLCL-JCVLWA1NO	3951	560	Exist	•	3999: JCVLCL- JCVLWAIND
JCVLCL-JCVLWA2RD (3906	07-01-87	120	Optical	JCVLCL-JCVLWAZND	3953	560	Exist	• .	3997: JCVLCL- JCVLWA2ND
M TCAFCF-TCAFAVAUD	3903	09-01-87	0\$1	Optical	JCVLCL-JCVLWA4ND	3951	560	Exist	;	3999: JCVLCL- JCVLWA4ND
N JCVLCL-JCVLNC .	3901	08-01-87	DS1	051	JCVLCL-JCVLRV	3952	540	04-01-87		3998: JCVLCL- JCVLRV
					JCVLRV-JCVLVC	3951	560	Exist		3999:JCVLCL-

NOTE: #INDICATES INTER-LATA SYSTEM BINDICATES CHANGE SINCE LAST ISSUE

Elbec_Optic_and_Multiplex_Sustan_Kannicalize Fiber Number of MULTIPLEX_INFORMATION FIBER Number of MULTIPLEX_INFORMATION FIBER NUMBER OF BIT SYSTEM REGENERATOR PROTECTION FIBER NUMBER OF												
DS3 SYSTEM	083	CONDITION DUE_DATE_	DSX TERM AT	DSX TERM AT	FIBER SYSTER	SYSTER	rate IH_Obs	SERVICE _QAIE_	POINTS IN ROUIE	TÄÄÖTÄED SARAEY		
# JCVLCL-JCVLWTERD	3903	03-11-87	DS1	DSI	JCAFCF-7CAF#11NU	3951	560	Exist	10	JCNICE MITUD		
HOTE: Reuse 828M at 3903 JCVLCL-J	CVLWAIRD. 3902	05-01-87	DS1	DS1	JCVLCL-JCVLRV	3952	560	04-01-87	<u>-</u> .:	3998: JCVLCL- JCVLRV		
JCVLCL-LKCYRA	3903	12-01-87	DS1	DS1	JCVLRV-JCVLNO	3952	1 565	04-01-87	; •	3999:JCVLRV-		
·					JCAFKO-BFDAKV	3951	560	Exist	-	3999:JCVLNO- BLDWNA		
				•	BLDWAA-LKCYAA	3951	560	Exist	2	3999:BLDWRA- LKCYMA		
##JCVLCL-MACHGART	3901	07-01-87 07-01-87	DS1 DS1	DS1 DS1	JCAFCF-7CAFBM	3951	560	02-19-87	-	JCAFO# 3444: JCAFCF-		
JCVLCL-ATLNGABU NOTE: BSCN dedicat	3901 . ed DS3 Master G	Group Systems	50.		JCVLON-YULEMA.	3951	540	02-19-87	-	3999:JCVLOW- YULENA		
•					YULENA-JESPGA	3951	565	06-15-87	7 0/2 FL/GA	3999:YULEAA- Brwkgama		
JCVLCL-ANDRLO	3901	04-01-87	DS1	DS1 .	JCAFCF-3CAF27	3952	560	Exist	' -	JCVLSJ 3998: JCVLCL-		
)CACCC_HUDKCA			ALC: Y		JCVLSJ-MXDRLO .	3951	560	Exist	•	3999:JEVLSJ- Mndrlo		
N JCVLCL-UPBHGR	3901	05-01-87	DS1	DS1	JCAFCF-1CAF2W	3951	560	Exist	- ,	: JCAF24 3444: JCAFCF-		
NOTE: BSCH dedica	ted DSJ Master	Group System.		· ··	TEARST-USARST	3951	560	· Exist	•	JCAF27 3666: TCAF24-		
	٠				JCVLSJ-MHDRLO	3951	540	Exist	.	3999:JCVLSJ- MNDRLO		
•					NHORLO-STAGNA	3953	135	Exist	2	3998:MNDRLO- Stagma		
•	•				STAGRA-STAGES	3951	560	Exist	-	J999:STAGNA- STAGBS		

· Eiber-Osjis-and-Onlyimler-Synyea-Beantrepenta-for-1782												
OS3 System 	DS3 DS3 _SYS#_	ORMATION SPAN CONDITION DUE DAIE	DSX TERM AT	OSX TERM AT	FIBER SYSTEM	SYSTER	BIT RATE IN_UPS	FIBER SYSTEM SERVICE _QATE_	NUMBER OF REGENERATOR POINTS IN ROUTE	PROTECTION SYSTEM _INVOLVED_		
•				•	STAGBS-PLCSMA .	3951	560	Exist	-	3999:STAGBS- Plcsma		
		·			PLCSMA-FLBHMA	3951	560	Exist	-	3999:PLCSMA- Flbhma		
	•				FLBHMA-DYBHOS	3952	1 135	Exist	- :	3990:FLBHMA- Dybhos		
					DYBHOS-DYBHOB	3951	560	Exist	***	3999: DYBHOS- Dybhob		
			Day		- ОУВНОВ-ОУВНИА	3951	560	Exist		3999:DYBHOB- Dybhna		
•	•			. /	DYBHMA-DYBHIR	3951	540	Exist	1	3999:OYEHMA- DYBHIR		
			٠		DYBHIR-DELDMA	3951	560	Exist	-	3999:DYBHIR DELDMA		
	•				DELDHA-DBRYHA	3951	560	Exist	-	3999:DELDMA- DBRYMA		
•					DBRYNA-SHFRNA	3951	560	Exist "	-	3999:DBRYNA- Shfrna		
•					SHFRMA-SHFRYS	3951	560	Exist	-	3999:SNFRMA- SNFLWS		
		,	<i>7</i>		SHFRUS-OVIDCA	3951	560	Exist	-	3999:SHFRWS- DVIDCA		
			••	الم	L. OVIDCA-ORLDAP	3951	560	Exist	- ;	3999:DVIDCA- DRLDAP		
					ORLDAP-WPBHGR	3952	560	Exist	-	3998:ORLDAP- ORLDMA		
# JCVLCL-ORPKMA	3901	08-01-87	DS1	DS1	JCVLCL-JCVLRV	3952	540	04-01-87	-	3998: JCVLCL- JCVLRV		
	,				JCVLRV-JCVLNC	3951	560	Exist	-	3999:JCVLRV- JCVLWC		
					JCVLVC-ORPKAA	3951	560	Exist	-	3999: JCVLVC- ORPKMA		

PS3	WULIIPLEX_INFOR	MATION	ÕŠĀ	DSX				FIBER	NUMBER OF	
955 SYSTER 0-2	_\$15¶_	CONDITION DUE_DATE_	TERM AT	TERM AT	FIBER SYSTEM	SYSTEM	BIT RATE IN_DES	SYSTEN SERVICE _DATE_	REGENERATOR POINTS IN ROUIE	PROTECTION SYSTEM . _INVOLYED_
N JCVLON-YULENA	3901	03-02-87	051	051	JCVLON-YULERA	3951	560	04-07-87	-	3999:JCVLOW- YULEMA
# JCVLRAIND-YULEJOOO: NOTE: Microtel DS3		05-15-87 1 01/23/87.				·	./			
# JCVLSJ-JCVLSM	3701	10-01-87	D\$1	DS1	JCVLSJ-JCVĽSM	3951	565	06-01-87	.; •	JCVLSM JCVLSM
JCVLSJ-RHORLO	3901	04-15-87	DS1	DS1	JCVLSJ-MNORLD	3451	560	Exist	•	3999:JCVLSJ- Mndrlo
JCVLJT-JCVLCL	3901	04-01-87	DS1	DS1	JCVLJT-JCVLSJ	3951	560	03-15-87	-	3999: JCVLJT- JCVLSJ
			•		JCAF21-JCAFCF	3952	560	03-15-87	•	JCVLCL JCVLCL
JCVLJT-JCVLSJ	3901-3902	04-01-87	DS1 -	OSI .	JCAF71-7CAF27	3951	560	03-15-87	-	JCVLSJ JCVLSJ
LKCYMA-LVOKXA	3901 🚡	07-01-87	DS1	DS1	LKCYNA-LVOKXA	3951	560	Exist	•	3999:LKCYMA- Whspxa
# MNDRAV-JCVLSJ NOTE: Due date chan	3901 ged to 06-01-88.	. 04-01-87	DS1	DS1	MNDRAV-MNDRLO	3951	560	03-15-87	•	3999:MHORAV- MHDRLO
	-	•	. /		MNORLO-JCVLSJ	3951	540	Exist	•	3999:MHORLO- JCVLSJ
% ANDRLO-ANDRAV NOTE: Canceled.	3901	04-01-87	981	. 120	MNORLO-MNORAV	3951	540	03-15-87	, -	3999:MNDRLD- MNDRAV

NOTE: WINDICATES CHANGE SINCE LAST ISSUE #INDICATES INTER-LATA SYSTEM

*****	<u>nuljiplex_inf</u>			ōsx	•		***	FIBER	NUMBER OF	
DS3 SYSTEM ————————————————————————————————————	DS3 	SPAN CONDITION QUE_QAIE_	DSX TERM AT 	TERM AT	FIBER SYSTEM	System 	BIT RATE IN_Obs	system Service _Pais_	REGENERATOR POINTS IN BOUTE	PROTECTION SYSTEM
BLDWAA-JCVLCL NOTE: To retire TK	3901 BLJCA for maint	04-01-88 enance reasons.	DS1 •	DS1	BLOWRA-JCVLNO	3951	\$60	Exist	-	JCVLKO JCVLKO
					JCVLNO-JCVLRV	3952	545 _j	03-15-88	. •	. 3998: JCVLNO- : JCVLRV
	•				JCVLRV-JCVLCL	3952	560+	Exist	•	3998:JCVLRV- JCVLCL
N FR8HFP-JCVLFLCL NOTE: Change due d	3902 ate to 07-01-87.									
N JCBHRA-JCVLBW	3901	07-01-88	DS1	DS1	JCBHMA-JCVLBW	3951	565	06-15-88	•	JCVLBW JCVLBW
# JCBHRA-PNVORA	3903	07-01 - 88	DS1	051	JCBHRA-PHVORA	3951	560	Exist	•	3799: JCBHRA- PNUDNA
JCVLAR-JCVL8W	3901	10-01-88	DS1	DS1	JCVLAR-JCVLBW	3951	565	89-21-98	-	3999: JCVLAR JCVLBW
JCAFCF-7CAFHO	3906	04-01-88	051	DSI.	JCVLCL-JCVLRV	3952	560	Exist	-	3998: JCVLCL- JCVLRV
			,		JCVLRV-JCVLNO	3952	565	Exist	- '	3998: JCVLRV JCVLNO
•	3907	HOTE: CANCEL	LEO (See Se	٠.		•		•		
JCAFCF-7CAFOM	3903	06-01-88	· 051	051	JCAFCF-JCAFQA	3951	560	Exist	•	JCAFOR 3222: JCAFCF-

HOTE: WINDICATES CHANGE SINCE LAST ISSUE
**INDICATES INTER-LATA SYSTEM
*INDICATES OPTICAL SYSTEM REQUIRES ADDITIONAL MODULES

	<u> </u>	ORMATION		DŠŽ.		,	817	FIBER System	NUMBER OF REGENERATOR	PROTECTION
OS3 System a-Z	DS3 _\$13#_	SPAN CONDITION OUE DATE	DSX TERM AT	TERM AT	FIBER SYSTEM	SYSTEM	BIT RATE <u>IN_0</u> \$5	SERVICE _PAIE_	POINTS IN <u>BOUTE</u>	SYSTEM LINYOLYED
# JCVLEL-JCVLRAIND	3905	09-01-88	OS1	051	JCVECL-JCVLRAINO	3953	560	Exist	-	3997:JCVLCL- JCVLRA1ND
JCVLCL-JCVLRV NOTE: To retire TK'	3901-3902 's 233-235 for m	04-01-88 maintenance rea	DS1 sons.	DS1	JCVLCL-JCVLRV	3952	, 560	Exist	- ,:	3998: JCVLCL- JCVLRV
M JCVLCL-JCVLSJ NOTE: Due date char	3910 nged to 12-01-87	'.			<i>,</i> ₹				•	
# JCAFCF-ACAF21	3911	12-01-88	DS1	~ DS1	JCAFCF-7CAF21	3952	560	Exist	-	3998: JCVLCL- JCVLSJ
# JCVLCL-JCVLWA2ND	3907	07-01-88	051	Optical	JCVLCL-JCVLWA2HD	3951	560	Exist	-	3999:JCVLCL- JCVLWA2ND
N JCVLCL-JCVLWTIND	3904	88-10-60	DS1 .	DS1		3951	560	Exist	•	JCVLWT1MD
N JCVLCL-NNDRAV	3901-3903	06-01-88	DS1	DS1	JCAFCF-7CAF27	3952	545	Exist	-	JCAF27 3648: JCAFCF-
	-				JCVLSJ-MNDRAV	3951	565	05-15-88	•	3999:JCVLSJ- Mhdrav
# JCVLSJ-MHDRAV	3901	06-01-88	DS1	DS1	JCVLSJ-MNDRAV	3951	545	05-15-88		3999:JCVLSJ-

	BULTIPLEX INF				/		FIBER		NUMBER OF	
OS3 SYSTER 	DS3 _\$1\$\$_	SPAN CONDITION QUE_QOIE_	DSX TERM AT _'A'_	DSX TERM AT	FIBER SYSTEM	SYSTER 	BIT RATE IM_Obs	System Service _QOIE_	REGENERATOR POINTS IN BOUIE	PROTECTION System <u>Involved</u>
JCBHMA-JCVLCL.	3701	10-01-89	DS1	DS1	JCBHMA-JCVLBW	3951	565	Exist	-	3999:JCVLCL- JCVLBW
					JCVLBW-JCVLAR	3951	545	Exist	• :	3999: JCVLBW- JCVLAR
· · · ,					JCVLAR-JCVLSM	3951	565	09-15-89	•	3999: JCVLAR- JCVLSM
		•		•	JCVL\$#-JCVLCL	3951	540	Exist	•	3999:JCVLSM- JCVLCL
JCAFCF-JCAF21	3912	12-01-89	DS1	DS1	TEAFCF-TCAF2T	3952	560	Exist	•	JCAF27 3888: JCAFCF-
JCVLCL-JCVLWA2MD	3708	07-01-89	051	Optical		3951	- 560	Exist	•	3999: JCVLCL- JCVLWA2ND
JCVLCL-JCVLWT1ND	3905	06-01-89	DS1	DS1	JEVLEL-JEVLWTIND	3951	560	Exist	•	3999: JCVLCL- JCVLWT1ND

OFC. "A" ORB

OFC. "Z" GRB PROJ. DATE

BOO TYPE

HOUSING

REQ'O

FAC.

IYPE

<u> SLOIS</u>

CASES

CASE

MOTES

SPLICE

DATE__

SPAN

COMD.

DATE_

-	X!-F####-	F#3	***			_						
Ħ	SLDWAA JCVLHO	UFJ 26	BLJCA	1-2	All .	T1 Bi.	-	* Note:	- 05- This is a di the cable).	-01-87 isconnect	Exist activity (to ret	Exist ire
8	LDWAA RCLNXA	NFJ 28	A .	1	22-23	T1 Bi.	-	•	- 05	-01-87		Exist
B	LDWAA MXVLAA	NFJ 27	A ·	1	16-21	T1 Bi.			- 05	-01-87	Exist	Exist
6	CSPCN PLTKMA	NFJ 47	JCPLA . JCPLB	1A/B	21-23	TIC Dual			- 01	-01-87	Exist	Exist
J	ЈСВНАВ ЈСВНПА	ЖFJ 58	121	1	All	T1 Bi.	•	Note:	- 12 This is a d the cable).	isconnect	Exist activity (to ref	Exist Lire
•	ICVLAR JCVLRE	J10C 39	A	1	7-11	TID Bi.	-	Note:	T1D retrofi	t. This	Exist job will require JCVLRE and JCVL	Exist DS1 AR.
,	JCVLAR JCVLRE	JIOC 39	A	1	1-6	Ti Bi.	-	Hote:	- 04 This is a d up T1D (ret	i-15-87 lisconnect irofit) on	Exist activity. To to 05-01-87.	Exist urn .
,	JCVLAR JCVLRE	J10C	A	1	1-6	T10 Bi.	-	Note:	- 05 This is a T	5-01-87 [19 retrof	Exist it activity.	Exist ·
	JCVLAR JCVLSM	J10C 28	898	6A/B	All	T1 - UNI	•	Kate:	- 02 This is a d operation:	2-01-87 scannect 04-01-87.	Exist activity. To c	Exist povert to T1C
	JCVLAR JCVLSM	JIOC 28	898	6A/B	All	T1C UNI	•		- 04	4-01-87	Exist	Exist
	JCVLCLW03	-	1 2	21-24	ALL	T1 Dual	•	. Note:	- 04 Same as cas	6-01-87 ses 13-20	22614 01-87 above.	
	NJCVLWC ORPKRW	NFJ 55	T3001 T3002	01A/B	13-24	T1C Qual	•		- 03	3-01-87	Exist	Exist . '
								•				

CROSS SECTION

OFFICE "A"

NORTH FLA. AREA T-CARRIER ORB AND SPAN CONDITIONING FORECAST FOR JAX LATA 1987

CROSS SECTION OFFICE "A" OFFICE "Z"	đãē	IRā	ÇAŞES	<u>SLQIS</u>	FAC. IYPE	BOO TYPE HOUSING REQ'Q	MOIES	CASE SPLICE DAIE	SPAN COND. DAIE_	OFC. "A" ORB PROJ. PAIE	OFC. "Z" ORB PROJPAIE
JCAFHO Micafcf	J10C-7	BLJCA	1-4	ALL	T1 Bi.	-	" Note:	This is the cabl		Exist activity (to re	Exist tire

FIELD IDENTIFICATION SHEET NORTH FLORIDA Fiber Optic and Hultiplex System Requirements

DS3	MULTIPLEX INF	DRMATION SPAN CONDITION	DSX TERM AT	DSX. TERM AT	FIBER SYSTEM	SYSTEM	BIT RATE IN Mbs	FIBER SYSTEM SERVICE DATE	NUMBER OF REGENERATOR POINTS IN ROUTE	PROTECTION SYSTEM INVOLVED
IDENTIFIES TERMINATION SYSTA DS3 LEVEL MASTER GROUP	IDENTIFIES THE DS3 LESS NUMBER START AT 3901.	IDENTIFIES THE DATE MULTIPLEXER WILL SERVI	IDENTIFIES THE DS LEVEL OFFICE IS TERMINATED AT.	IDENTIFIES THE DS LEVEL OFFICE IS TERMINATED AT.	IDENTIFIES TERMINATION POI	ASSIGNED FIBER OF IT STATES 395X - FOR PROTECTION 395X - FOR SERVICE SYS TOERALL - IDENTIFIES EN SYSTEM, LISTED BELON ACTUAL OPTIC TERMINA TERMINAL REQUIREMENTS	THE OPT THEOTIF	IDENTIFIES THE DATE THAT SYSTEM (LASER-DETECTOR) MUST	IDENTIFIES THE NUMBER OF REQUIRING REGENERATORS.	IDENTIFIES THE PROTECTION S SYSTEMS THAT PROTECT THE SYSTEM.
POINTS FOR TH SYSTEM.	LEVEL SYSTEMS	THAT THE CE TO DERIVE	THAT THE 'A'	THAT THE 'Z'	POINTS FOR THE	SYSTEMS TO END TO END THE TARE THE THE TO OPTIC	T RATE THAT TE AT.	THE OPTIC T SERVICE.	LOCATIONS	SYSTEM OR SERVICE

FIELD IDENTIFICATION SHEET MORTH FLA. AREA T-CARRIER ORB AND SPAN CONDITIONING

CROSS SECTION OFFICE "A" OFFICE "Z"	DMG	<u>1KA.</u>	CASES	ST OLZ	FACIL.	800 TYPE HOUSING REQ'D	NOTES	CASE SPLICE DATE	SPAN COND. DATE	OFC. "A" ORB OFC. "Z" OPEN. DATE PROJ. D	ORB ATE
	•							454		-	441
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11) (12) (13) (14)

- (1) Identifies termination points for the involved span.
- (2) Identifies transmission drawing design number related to involved span.
- (3) Cable identification number.
- (4) Specific apparatus case identification number involved.
- (5) Slot numbers in apparatus case involved.
- (6) Facility use (T1, T1C, T1D) and transmission direction (bi-directional, uni-directional).
- (7) Project number which provides apparatus cases.
- (8) Self-explanatory.
- (9) Date splicing of cases is to be completed by distribution.
- (10) Date span is to be ready for service (repeaters installed, tested, etc.) Span conditioning order required (NFH). Form 4941 required for span order and for PICS to order and ship repeaters.

19, 12

- (11) Project number if additional ORB is required.
- (12) Service date of ORB.
- (13) Same as item #11.
- (14) Same as item #12.

TRANSMISSION REPORT

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DATE AND TIME
DURATION
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PAGE

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ISIRICI A	locthwest :	Tac	LEGANE	11a	کے	·v <i>t</i> he	on Bell	·		TELE	EPHON	NE COMP	PANY U	.F. ORDER NO.
' CGRAPHICAL	AREA NO.				PROJ	EGT NAME	Fiber	Cal	<u>ار -</u>	- I/u	/ce	To	E	11. OR JOS NO. EV-6846
							State -	Line	٠.	_/			D	TE 1-27-87 SHEET 1 OF 1 SHEET
YIIIMAUQ	+ CODE OR	**	NO.	0 <i>f</i>	co.	FEHEIH	W.E. CO	•	UNDER	PULL-	BUR.	H ₂ +	····FKF	
CHEAR FT.	INCLUDING OUTER PROT.	GA.	** **	QUADS.	NO.	.FEET	REEL NUMBER	REEL	GAS PRESS.	EAE	OR AER. USE	PAIRED	QUADOED	(1mm1075 year - aluet, washes - field)
1380 2450	NTF - DTRW-24	45			IA	1380			No	Yes	U.G.	33.1	EKE.	9207 Hayden Rd
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1, N-STALVYN, S-MLE-SUPPORTING ALPEHH, T-AMPAP, U-AMPASP, AT-AERIAL TAPE ARMON, HT-BURIED TAPE ARMON, GT-GOPHER TAPE -SINGLE WIRE ARMON, D-JACKETED DOUBLE WIRE ARMON, LJ-JACKETED LIFE ARMON, SJ-JACKETED SINGLE WIRE ARMON, DJ-JACKETED DOUBLE WIRE ARMON, LJ-JACKETED LIFE ARMON, SJ-JACKETED SINGLE WIRE ARMON, DJ-JACKETED DOUBLE WIRE ARMON, LJ-JACKETED LIFE ARMON, BJ-JACKETED SINGLE WIRE ARMON, DJ-JACKETED DOUBLE WIRE ARMON, LJ-JACKETED LIFE ARMON, LJ-JACKETED LIFE ARMON, DJ-JACKETED DOUBLE WIRE ARMON, LJ-JACKETED LIFE ARMON, LJ-JACKETED LIFE ARMON, DJ-JACKETED LIFE ARMON, LJ-JACKETED LIFE ARMON, LJ-LJACKETED
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North West Jax District

1,125

Estimate V.6846 Project 340421 Material List

Quantity	Description	FKF
24,170	Fiber Ogtic Cable	435.1
.) : 27,265	Ft., NTF-DTRW-24, . 45 dB /Km Fiber Optic Cable	654.3
24	Fiber Optic Pigtails: Single Mode NTI, Unjacked Pigtail, 5.	
,)	PID# 221 000 946 DPI# 02 00025	•
	· · · · · · · · · · · · · · · · · · ·	

Ft., 14 Optic Guard Innerduct



Carl E. Childs, Jr.
Operations Manager
Switched Services—Provisioning

6451 North Federal Highway Room 915 Fort Lauderdale, Florida 33308 Phone (305) 492-3506

October 1, 1986

HEMORANDUM

TO:

Distribution

FROM:

C. E. Childs

Operations Manager Switched Services

SUBJECT: Trunk Cable Construction Monitor

Attached for your review is the Third Quarter 1986 Trunk Cable Construction Monitor for the Jacksonville LATA.

This monitor reflects those jobs completing in 1986-1987. Subsequent years will be added as required in an appropriate time frame. The "Scheduled" dates are suggested minimal intervals.

Recommendations and adjustments from departments involved in helping meet the "Engineering Acceptance Date" are welcome.

In addition, telephone inquires will be made, as required, to Distribution Staff, Engineering and Construction Districts to determine the job status.

Questions and updates may be directed to Bruce Hayden, Assistant Staff Manager, at (305) 492-3589.

Operations Manager

RWH / ih

Attachment

A BELLSOUTH Company

NORTH AREA JACKSONVILLE LATA TRUNK CABLE CONSTRUCTION MONITOR AS OF 03-26-86

CROSS-SECTION	CABLE	<u>PROVIDES</u>	ENG ACPT DATE
JCVLCL-JCVLLF	F507	12 Fiber SM	04-01-87

Proi/tst. 41451/5250 Proj/Lst.

CRITICAL EVENTS	SCHEDULE	ACTUAL	SCHEDULE	ACTUAL
EAL APPROVAT OSPE-SUB PROJECT FOTIMATE APPROVE CONST DRAWINGS FIRST FRAME OFFICE CONST COMP TEST COMP ENG ACPT DATE	110185 121585 011586 090186 010107 010197 030187 031587 040187	1285 120685 010286 012086		·

REMARKS:

6 Miles

JCVI CI **!**: (total) 112118. Comp. 12-02-84A. C. .

JOVELE

(LSCIE) P12126. Comp. 11-04-84A. (Flectronics) P36535. ship 01-17-87. £1. DOMEOF Come 03-15-87 Adv. Comp. 2/828 10-01-86T

DATE STATUS:

11-18-85 LAD date advanced from 04-01-87 to 09-15-86. tstimate approval 01-02-86. EAL sent to Atlanta ter approval 10/85.

00 12-85 [40 date changed from 09 15-86 to 04-01-87 per A! Capuano.

00-26-86 Construction drawings have been issued 01-20-86

NORTH AREA JACKSONVILLE LATA TRUNK CABLE CONSTRUCTION MONITOR AS OF 03-12-86

CROSS-SECTION	CABLE	PROVIDES	ENG ACPT DATE
JCVLLF-JCVLOW	F508	12 Fiber SM	04-01-87

Proj/Est. 40449/5293 Proj/Est.

CRITICAL EVENTS	SCHEDULE	<u>ACTUAL</u>	SCHEDULE	ACTUAL
EAT APPROVAT OSPE-SUB PROJECT ESTIMATE APPROVAT CONST DRAWINGS EJREP EPAME READY CONST START CONST COMP TEST COMP	110185 121585 011586 110186 010187 010187 030187	1285 121985 012086		
ENG ACPT DATE	/ 04018/			

REMARKS:

5 9 Miles Δ

₿. JCVI+F

(LSCIE) Project 12126, Comp. 11-04-84A. (LSCIE) Project 28169, ship 08-16-86, comp. Ċ. JCVLOW

11 16-86

D. DOM: UM (Electronics) Project 36511, ship 01-17-87, comp. 03-15-87.

11-18-85	EAD date advanced from 04-01-87 to 09-15-86.
01-08-86	OSPL submitted project 12-19-85 per Steve Willey.
01-09-86	EA! sent to Atl. 10/08. Waiting on approval.
02-20-86	Estimate approval 01-02-86.
03-12-86	FAD date changed from 09-15-86 to 04-01-87 per
	A: Capuano,

NORTH AREA JACKSONVILLE LATA TRUNK CABLE CONSTRUCTION MONITOR AS OF 06-17-86

CROSS-SECTION	CABLE	PROVIDES	ENG ACPT DATE
JCVLOW-YULEMA	F509	12 Fiber SM	04-01-87

Proj/Est. 40368/5354

Proj/Est.

CRITICAL EVENTS	<u>SCHEDULE</u>	<u>ACTUAL</u>	SCHEDULE	<u>ACTUAL</u>
EAL APPROVAL OSPE-SUB PROJECT -ESTIMATE APPROVAL CONST DRAWINGS FIREM FRAME REALIT CONST START CONST COMP TEST COMP	110185 121585 011586 110186 0:0187 010187 030187 031587	1285 121985 020186 022186		•
ENG ACPT DATE	040187			

REMARKS:

- A 14 2 Miles
- B. JCVIOW (LSCIE) Project 28169, ship 08-16-86, comp. 11-16-66 C. YULEMA (LSCIE) Project 16187, ship 02-01-86, comp. 06-15-86 D. JCVIOW (Flectronics) Project 36511, ship 01-17-87, comp.
- 03-15-87.
- E. YULFMA (Electronics) Project 16187, ship 01-17-87, comp 03-15-87.

11-18-85	FAD date advanced from 04-01-87 to 09-15-86.
01-08-86	USPE submitted project 12-19-85 per Steve Willey.
01-09-86	EAL sent to Atl. 10/08. Waiting on approval.
02-20-86	Estimate approval 02-01-86.
03-12-86	FAD date changed from 09-15-86 to 04-01-87 per
	At Capuane,
06-17-86	Construction drawings issued 02-21-86

NORTH AREA JACKSONVILLE LATA TRUNK CABLE CONSTRUCTION MONITOR AS OF 07-04-86

CROSS-SECTION	CABLE	PROVIDES	ENG ACPT DATE
JCBHAB-JCVLBW	F521	6 Fiber SM	01-01-87

Proi/Est. 46194/5//0 Proj/Est.

CRITICAL EVENTS	SCHEDULE	ACTUAL	SCHEDULE	ACTUAL
FAL APPROVAL OSPE-SUB PROJECT FSTIMATE APPROVALCONST DRAWINGS FIREP FRAME PEABLY CONST COMP TEST COMP FNG ACPT DATE	100185 050186 070186 100186 110186 110185 120186 121586 010187	0285 052386 070486		

REMARKS:

Æ	O Miles	
ti.	JCBBAB	(15010) Project 02087, ship 08-30-86, comp.
		12-07-86.
C	JCVEBU	(15C1F) Project 02086, ship 08-24-85, comp
	•	10-20-85A.
1)	JCRH4!	intectronics) Project 16063, ship 08-16-864
		Comp. 01-24-87.
E.	JCVLBW	(Electronics) Project 36547, ship 02-22-86, comp.
		65-18-864

06-24 85	New requirement.
(1) +0 9 - 8 +	OGUE Project to be submitted 05-01-86 per Eng.
06-17-86	OSP Project submitted O5-23-86.
07-10-86	Project approved 07-04-86 by General Manager

NORTH AREA JACKSONVILLE LATA TRUNK CABLE CONSTRUCTION MONITOR AS OF 04-10-86

CROSS-SECTION	CABLE	PROVIDES	ENG ACPT DATE
YULEMA-FRBHFP	F522	6 Fiber SM	04-01-87

Proi/Fst. 40122/5292 Proj/Est.

EAL APPROVAL 110185 1285 OSPE-SUB PROJECT 121585 121985 ESTIMATE APPROVAL 011586 012086	CRITICAL EVENTS	SCHEDULE	ACTUAL	SCHEDULE	ACTUAL
ENG ACPT DAIL 04018/	OSPE-SUB PROJECT ESTIMATE APPROVAL	121585 011586 090186 010187 010187 030187 031587	121985 012086		

REMARKS:

Α.	9.6 Miles	•	
В.	YULEMA	(LSCIL) Project 16187, ship 02-0)-86, 06-15-86.	conge.
r	FRRHFP	(ISCIE) Project 28168, ship 07-19-86A, 11-16-86.	como
0.	YUL EMA	(Electronics) Project 1618/, ship 01-17-87, 03-15-87.	comp

(Flectronics) Project 16057, ship 01-17-87, comp. 03-15-87. E. FRBHFP

11-18-85 01-08-86	EAD date advanced from 05-01-87 to 09-15-86. OSPE submitted project 12-19-85 per Steve Willey.
01-09-86	FAL sent to Atl. 10/08. Waiting on approval.
02-20-86 03-12-86	Estimate approval 01-20-86. FAD date changed from 04-15-86 to 04-01-87 per
04-10-86	A! Capuano Construction drawing issued 02-04-86.

NORTH AREA JACKSONVILLE LATA TRUNK CABLE CONSTRUCTION MONITOR AS OF 09-24-86

CROSS-SECTION	<u>CABLE</u>	PROVIDES	ENG ACPT <u>Date</u>
FTGRMA-JCVLOW	F523	6 Fibers SM	04-01-87
Proj/t	st. <u>404</u> 20	Proj/Est.	,
CRITICAL EVENTS	SCHEDULE	ACTUAL SCHED	ULE ACTUAL
FAL APPROVAL	010186	0585	
OSPE-SUB PROJECT	090186	092586	
FSITMATE APPROVAL	100186		
TI TOONST DRAWINGS FIBER FRAME FRAME	110186 010187		
CON 1 5148	61618.		
CONST* COMP	03018/		
TEST COMP	031587		
ENG ACPT DATE	040187		
		•	
REMARKS:			
<u></u>		\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
A. 18 Miles.		·	
	lt) Exist.		
		jects 09/36 Ship	02-07-86. Adv.
	. 04-01-87.	Section of the	011 04 47 07
	(15-87. 03-15-87.	Projects 36511	201b nf-11-81
v. v. m.p.	00-10-07.		•
DATE STATUS:			
01-28-86 New	rerquirements	(New switching m	achine).
	approval 05-8		
		, to submit proje	
09-08-86 0SP	project to owell.	be submitted	09-17-86 per
		tted on 09-25-86	per Bill Powell

(350-3983).

NORTH AREA JACKSONVILLE LATA TRUNK CABLE CONSTRUCTION MONITOR AS OF 09-01-86

		6484	.	PROVIDES		ENG DAT
	CROSS-SECTION	CABL	<u>L</u>	PROVIDES	•	<u> </u>
	CRCYXA-PMPKMA	F52	8	6 Fibers	SM	07-01
			4000214545	D1	/Est.	
	P	r61/68t	<u>4309//4540</u>	<u> </u>		
	CRITICAL EVENT	<u>s</u> <u>sch</u>	EDULE A	CTUAL	SCHEDULE	ACT
	EAL APPROVAL	073		73084		
	OTRE-SUB PRODE	070		171785		
	ESTIMATE APPRO	V41 090		73185		
,	CONDIC DRAWING	£ 2, \$1		192785		
	FIBER FRAME KE			331016		
	CONST START			31086		
	CONST COMP		• • • •	160186		
	TEST COMP		586 0 186	60186		
	FNG ACE: DATE	070	100			
			: \$ \$7		•	
	REMARKS:					
	A. 14.1 Mile	٠ <u>٠</u> .				
	B. PMPKMA	(flectroni 04-26-86.	cs) Projec	ct 28170,	ship 01-2	5-86
	DATE STATUS:					
	06-10-85	OSP proje				'-01 -
	08-01-85	OSP projec	t submitte	ed 07-17-	85.	
	08-16-85	Estimate a	oproved 07	7-31-85.		
	10-22-85	Constructi	on drawing	as issued	09-27-85.	
	01-09-86	Fiber fram	ies complet	te 01-01-	86.	u
	03-15-86	Constructi	on start	date 03	-1n-ap bei	п.
		(Fig.		61 a c 6 d	Cabla na	, in
	04-30-86	firer cabl		PIRCEG.		, , ,,
	61 6x 61	of being s Constructi	spinced per	r n. porr Ba ekanla	y. complete	bУ
	05-21-86	Constructi	ou shire	แล้ อนกลาส	Comparence	

NORTH AREA JACKSONVILLE LATA TRUNK CABLE CONSTRUCTION MONITOR AS OF 09-01-86

STATES AND AND SERVICE CONTRACTOR

CROSS-SECTION	CABLE	PROVIDES	ENG ACPT DATE
CRCYXA-PMPKMA	F528	6 Fibers SM	07-01-86
F	roj/Est. <u>43097/</u>	4 <u>54</u> 6 Proj/Est.	
DATE STATUS:			
06-03 86	Company has not	te to boundary. started to place F any is 07-15-861.	Independent iber. ECD by
09-01-86	Independent Comp	any has still not c	ompleted their

NORTH AREA JACKSONVILLE LATA TRUNK CABLE CONSTRUCTION MONITOR AS OF 08-25-86

CROSS-SECTION	CABLE	PROVIDES	ENG ACPT DATE
LKCYMA-WHSPXA	F534	6 Fibers SM	08-01-86

Proi/Fst. <u>55218/V45</u>09 Proj/Est.

CRITICAL EVENIS	SCHEDULE	<u>ACTUAL</u>	<u>SCHEDULE</u>	ACTUAL
EAL APPROVAL OSPE-SUB PROCECT ESTIMATE APPROVAL	040185 070185 090185	11-84 060185 071285		
CONST DRAWINGS FIBER FRAME READI CONST START CONST COMP	030186 050186 050186 070186	050986 020886 051586 072886		
TEST COMP ENG ACPT DATE	071586 080186	080186 080166		

REMARKS:

A. 9.7 Miles.

B. LKCYMA - (LSCIF) Project 12256. Ship 02-01-86. Comp. 02-86.

C. LKCYMA - (Electronics) Project 12256. Ship 02 01-86. Comp. 06-15-86

06-06-85	OSP Project 55218 submitted 06-01-85.
08-16-85	Estimate approved 07-12-85.
08-20-85	EAD date changed from 07-01-86 to 08-01-86 pcr
	W. Schell, 1FCPC.
01-09-86	Construction drawings to be issued 02-01-86 per
	I. Kitts, O.S.P.I.
01-20-86	Tiber cable will ship 04-01-85 per P. Pace
	Construction Manager.

NORTH AREA JACKSONVILLE LATA TRUNK CABLE CONSTRUCTION MONITOR AS OF 08-25-86

	CROSS-SECTION	CABLE	PROVIDES	ENG ACPT DATE
	LKCYMA-WHSPXA	F534	6 Fibers SM	08-01-86
•		Proj/fst. <u>5521</u>	8/V4509 Proj/Est.	
	DATE STATUS:			
	03-17-86	Construction 04-11-86 per	drawings will not be	issued until
٠	05-01-8F		drawings to be issued	week ending
	6-1-26-1-	•	start date 05-15-86.	
	07 235 8x		splicing is 90% comp chedule per P. Pace.	olete. Witt
	07-31-86	Construction	has completed splicing, mplete their portion.	
	08-25-86		, results are acceptable	le.

NORTH AREA JACKSONVILLE LATA TRUNK CABLE CONSTRUCTION MONITOR AS OF 09-01-86

CROSS-SECTION	<u>CABL E</u>	PROVIDES	ENG ACPT DATE
INTRXA-PLTKMA	r 536	6 Fibers SM	06-01-86

Proj/tst. <u>43206/V5002</u> Proj/Est.

CRITICAL EVENTS	SCHEDULE	<u>actual</u>	<u>SCHEDULE</u>	ACTUAL
EAL APPROVAL	030185	06-85		
TOSPE-SUB PROJECT	050185	060785		•
ESTIMA*F APPROVAL	080185	080185		
CONC. OPARIBLE	110165	101505		
FIBER FRAME READY	010186	120185		
CONST START	020186	021386		
CONST COMP	050186	060186		
TEST COMP	051586	060186		
ENG ACPT DATE	060186	ŧ		
		j.		

REMARKS:

المعاد المعاديات يوالهجات وجمور المعتبية

A. 12.9 Miles.

P PLTKMA Project 16143, (Flectronics) ship 01-25-86, comp. 05-04-86.

C. PLTKMA Project (LSCIE) 16143, ship 11-09-85 adv. comp. 12-01-85.

E. New requirements: Digital access to SEI C.O.

06-11-85	Equipment Planners identified need for LSCIt, order on Project 16143 with Adv. Comp. 02-17-85.
09 16-85 11-18-85	Estimate approved 08-01-85 Construction drawings issued 10-05-85.
01-09-86 03-03-86	Fiber frames complete 12-10-85 Construction start date 02-13-86 per OSP Empac Report Generator,

ENG ACPT

NORTH AREA JACKSONVILLE LATA TRUNK CABLE CONSTRUCTION MONITOR AS OF 09-01-86

CROSS-SECTION	<u>ON</u> <u>CABLE</u>	PROVIDES	DATE
INTRXA-PLTKM	1A F536	6 Fibers SM	06-01-86
	Proi/Est. <u>43206/</u>	<u>/V5002</u> Proj/Est.	and the same of th
DATE STATUS:	<u>.</u>		
04-21-86	liber cable is 1 complete per H. Bar		licing is 50%
_05-15-86	Construction is 90 Independent Company	<pre>1% complete splicing / will not have fibe</pre>	
# uo-10-86	<pre>07-35-86 per kobert Construction comple on independent to p</pre>	ste splicing to bo	undary, waiting
09-01-86	Independent Compartiber. ECD 09-18-8	nv has still not o	completed their

The second secon

NORTH AREA JACKSONVILLE LATA TRUNK CABLE CONSTRUCTION MONITOR AS OF 09-26-86

CROSS-SECTION	<u>CABLE</u>	<u>PROVIDES</u>	ENG ACPT DATE
HSNGXA-PLTKMA	F537	4 fiber SM	01-07-87

Proi/Est. 43228/V5/13 Proj/Est.

CRITICAL EVENTS	<u>SCHEDULE</u>	<u>ACTUAL</u>	SCHEDULE	<u>actual</u>
EAL APPROVAL OSPE-SUB PROJECT ESTIMATE APPROVAL CONSTITURABLES FIBER FRAME READI CONSTISTART CONSTICOMP TEST COMP ENG ACPT DATE	100185 020186 050186 060186 090186 100186 120186 121586 010187	1285 032686 061286 062486 EXILI		

REMARKS:

- A. 9.5 MILES
- B. PEIKMA (LSC)t) Exist.
- C. PETKMA (Electronics) Project 09834, ship 08-23-86, comp. 11-30-86.

01-28-86	New rerquirements (cable/radio relief).
01-28-86	EAL approved 12-85.
03-03-86	OSPE-project submitted 03-26-86.
04-10-86	OSPE submitted project 03-26-86.
06-16-86	Estimate approved on 06-12-86.
07-01-86	Construction drawings have been issued on 06-24-86.
09-26-86	Construction to start placing fiber 10-01-86T per
	H. Borry, CMC, (272-0255)

NORTH AREA JACKSONVILLE LATA TRUNK CABLE CONSTRUCTION MONITOR AS OF 09-10-86

	CROSS-SECTION	<u>c</u>	ABL <u>E</u>	PR	ROVIDES		ENG AC	
	JCVLAR-JCVLFC	F	540	12	FIBER	SM	05-01-	·87
	Pro	oj/Est.	4619	99	Proj/E	Est	46274	<u> </u>
	CRITICAL EVENT	<u>s</u>	SCHEDULI	<u> ACTU</u>	<u>JAL</u>	SCHEDUL	<u>E A(</u>	TUAL
•	EAL APPROVAL OSPE-SUB PROJECT ESTIMATE APPROVAL CONST **DRAWING** FIBER FRAME KEA CONST START CONST COMP TEST COMP ENG ACET DATE	C1 VAI LLY	050186 100186 110186 120186 010187 010187 040187 041587 050187		er E	050186 100186 110186 120186 010187 010187 040187 041587 050187		
	REMARKS:							
	A. 4.1 Miles B. JCVLAR			ct 0248	33 shij	p 01-1	0-87,	сощр.
	C. JCVLAR	(E)ectr 04-05-8		roject :	36289 sl	hip 01-	17-87,	comp.
	D. JCVLFC		Projec	ct 0248	32 shi	p 01-1	, V8-0	comp.
	E. JCVLIC		onic) l	Project :	36282 :	snip 01-	17-87,	Comb
	DATE STATUS:					•		
	03-10-86	New Re	quireme	nts (Cah) EAL 5-86	le/Radio	o Relie na Range	f).Scho	duled ing.
	08-10-86	OSP pr		46274 to				
	09-10-86			l been ar	proved.			•

NORTH AREA JACKSONVILLE LATA TRUNK CABLE CONSTRUCTION MONITOR AS OF 09-26-86

CROSS-SECTION JCVLJT-JCVLSJ	<u>CABLE</u> F541	PROVIDE 8 FIBERS	<u> </u>	ENG ACPT DATE 03-01-87
Proi	/Est. <u>425</u> 01	Pro	oj/Est	
CRITICAL EVENTS	<u>SCHEDUL E</u>	ACTUAL	<u>SCHEDULE</u>	ACT UAL
EAL APPROVAL OSPE-SUB PROJECT ESTIMATE APPROVAL CONST DRAWINGS ETHER TRAME FILTER CONST COMP TEST COMP ENG ACPT DATE	030)86 100186 110186 120186 010187 010187 020187 021587 030)87	0786 092286		
REMARKS.		p ge		
A DOVERT (150) B. DOVERT - (Elec C DOVEST - (Elec	() Prof. 2267 t.) Prof. 2267 t.) Prof. 0259	4 Ship 01-	-10-87 Comp.	78-10-60 78-10-60 78-10-60
DATE STATUS:				
03-10-86 EAL A 08-04-86 EAL a	witching Machin pproved 1/86, pproved 7/86, roiect submitte 4945)	ubbitted	per k. Inom	as, 039),

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NORTH AREA JACKSONVILLE LATA TRUNK CABLE CONSTRUCTION MONITOR AS OF 09-26-86

CROSS-SECTION	CABLE	PROVIDES	ENG ACPT DATE
MNDRLO-MNDR-AVE	F542	6 FIBERS SM	03-01-87

Proi/Est. 42543 Proj/Est.

CRITICAL EVENIS	SCHEDULE	ACTUAL	SCHEDULE	<u>ACTUAL</u>
EAL APPROVAL	090186		•	
OSPE-SHB PROJECT	100186			
FSTIMATE APPROVAL	110186			•
LONG DRAW: NO	120186			
FIBER ERAME READE	010167	>		
CONST START	010187			
CONST COMP	021587			
1ESÍ COMP	030187		•	
ENG ACEL DATE	031587		•	

REMARKS:

A MNDR-AVE (LSC)E) Project 22670 ship 01-10-87. Adv comp 02-01-87 b. MNDR-AVE (Licat.) Proj. 22670 Ship 01-10-87 Comp. 03-15-87 C. MNDRO (Elect.) Proj. 02594 Ship 01-10-87 Comp. 03-15-07

DATE STATUS:

04-01-86 06-11-86	New RSM. Homing on Mandarin Loretto. Doug Schlosser. Engineering, stated that Distribution will not order LSCIE.
09-05-86	J. Valdron, Equip. Planning, will order LSCIE on Project 22670, will adv comp for 02-01-87. EAL has not yet been approved. OSP project to be
09-26-86	submitted upon EAL approval. OSP project to be submitted on 10-07-87 without EAL approval per 3. Spivev. OSFE. (393-4911).

NORTH AREA JACKSONVILLE LATA TRUNK CABLE CONSTRUCTION MONITOR AS OF 09-25-86

• • • • •

CROSS-SECTION	CABLE	PROVIDES	ENG ACPT DATE
YULE-BRWKGAMA	F550	12 Fibers SM	05-01-87

Proi/Est. 40421 Proj/Est.

CRITICAL EVENTS	SCHEDULE	ACTUAL	SCHEDULE	<u>ACTUAL</u>
FAL APPROVAL OSPE-SUB PROJECT ESTIMATE APPROVAL CONST DRAWING: ETREE TRAME EFART CONST START CONST COMP	030186 100186 110186 120186 010187 010187	1184		
TEST COMP ENG ACPT DATE	041587 050187		•	

REMARKS:

10.3 Miles.

₿.

YULEMA (ISCIE) Exist. Project 16187.
YULEMA (Flectrorics) Project 12140 ship 02-07-87, comp 05-01-87

DATE STATUS:

01-28-86	New requirements (BSCN official services).
08-25-86	Project to be submitted when information is
	obtained from All on Microtel's decision to bury
	their fiber jointly with SBT.
09-22-86	Leon Walker, Account Executive, stated that
	Microtel had not yet signed a contract with SBI.
	He should have an answer by 09-26-86.
09-25-86	leon Walker stated that there was a verbal
	agreement with Microtel to bury jointly with SB1.
	A contract is now being written.



Southern Bell

H. N. Ivester
Operations Manager - Tactical Planning
Switched Services - Provisioning

7JJ2 Southern Bell Tower 301 W. Bay Street Jacksonville, FL 32202 (904) 350-4500

November 12, 1986

Mr. J. C. Miller Operations Manager Engineering Jacksonville, Florida

Dear Mr. Miller:

This is to advise you of the recent request by
to add 4 fibers to the already planned F550 fiber cable
between Yulee and the Florida/Georgia state line with an
Engineering Acceptance date of 05-01-87. The cable is presently
planned for 16 fibers: 12 for BSCN and 4 for
This
request brings the total number of fibers to 20. The attached
letter from Mr. W. H. Williams of Network Planning, Atlanta,
describes the request by

To facilitate the approval and order placement for this fiber cable, the construction budget categories are listed below.

CBC	<u>Description</u>	Percent
175	BSCN	25
112	TSPS & TOPS	25
G10	Growth	50

There are no Equal Access/Network Reconfiguration Recovery Costs associated with this undertaking as indicated by the attached form.

Any questions can be referred to Mrs. Celeste Jacobson at 904-350-3903.

Yours truly,

Operations Manager Tactical Planning/North

Attachments

cc: Mr. H. C. Isgette

bcc: Mr. Steve Wylie A BELLSOUTH Company

295, 1101

W.H. Williams Operations Manager Southern Bell

Southern Bell Center Room 23V74 675 W. Peachtree St., N.E. Atlanta, GA 30375 404 529-8557

October 24, 1986

Mr. Harold Ivester

Operations ManagerTactical Planning-North Florida
Room 7JJ1 - Southern Bell Tower
Jacksonville, Florida

Dear Harold: .

In order to serve the unique DS3 requirements of two Interexchange Carriers (ICs), please make arrangements to add eight (8) more fibers to the proposed fiber cable that will extend from the Yulee office to the Florida border. While firm orders for both of these ICs have not been finalized, Distribution must order the fiber cable very soon in order to meet a previous commitment for the BellSouth Corporate Network (BSCN). Anticipated revenues for these IC services are approximately \$22,000. per month.

Negotiations with have been underway for quite sometime and it was expected that a firm contract would have resulted by this time. However, Southern Bell has had problems in identifying a firm location to meet at for a companion circuit in Georgia. Hence, is waiting until Southern Bell can make a firm offer for both circuits before they will sign for either. It is expected that this situation will be cleared within the next 30-45 days.

30 has requested a hubbed. Meanwhile, 🐛 DS3 facility that would extend from the Yulee exchange to the Jacksonville Clay Street office. The actual connection in Yulee would be an optical interface near the St. Mary's River. રૂત્ર said this service is to provide a diverse route for 35 from their; and nothing but traffic would 36 be on this facility. is still discussing this proposal but has indicated that the price quoted by 37 with i Southern Bell is quite attractive. Again, if the extra fibers for this service are not placed now, Southern Bell's expenses would increase considerably.

If there are any questions regarding this request, please call me at 404-529-8557 or Harry Young at 404-529-8558.

Sincerely,

Operations Manager-Network Planning

cc: Luther Bigby - AFC
Doug Martin - Corporate Accounts

. :

f11086/HEY

Isaue /

Date 11/1/86

	Route BRO	WKGAMA-	YULEFLH,	A	
pan <u>F550</u>					•
Sescriptions Trunk Cable Capacity	32250	· •	BA CXT Qu	entity O	,
Capacity Used	_0	-	ER CET QU	untity	1
Capacity Used for EA	0			•	
Capacity Used for ER	0			·	
	2	. .		OTER	
Category 1		_1			
Category 2		_3		<u></u>	
Category 3					
TOTAL		_1			
iotes:		•			
i. CACs data indicate indicated dates. facility listed aldates below:	The offic	es are expe	cted to be tri	unked over the	1
Office II	A.Trks	EA Date	inr Trks	IR Date	

January 16, 1987 File 1G2.1H

Mr. Harold Ivester
Op. Mgr. *Tactical Planning North
Room 7JJ2 *SBT
301 W. Bay Street
Jacksonville, Florida
Attn *Celeste Jacobson

Dear Sir:

A 1/16/87 review of approval, construction and cable ordering intervals indicates we will not be able to meet the existing Engineering Acceptance Dates for the following two cables:

			OLD	NEW
			ENG ACPT	ENG ACPT
CROSS SECTION	CABLE	FIBERS	DATE	DATE
****	4444	74444	4444144	******
FTGRMA+JCVLOW	F523	6	04401487	06≛01487
YULE4BRWKGAMA	F550	24	05+01+87	06401487

Your assistance is solicited in getting the schedule changed. If we can provide any additional information, please call Clint Breidenbaugh on 350*3993.

Yours truly,

Engineering Manager

Distribution

hcb22 Copy to: Bruce Hayden

Expect Call From Ce this sec Steve W.	leste () acobson	
Corp of Eng., DER. 20x Stove 1-21-87. to David Thompson, Cosy Kept by Bob W	Parits Hare Facil.	been Eng.	sec'd pent 3 runswick.
		-	
		*	
		•	
			F01B14Z 00253

STATUS OF PROJECTS SUBMITTED TO AREA OFFICE

APV LEV	OSF REV	"INF " REQ	INF REC	TRO	"VIQ"	" GEN"	TO	TO.	APPÚD	EST* OR RET	ENG	# ITEHS	PRJ REV	# DEV					
ACKS	DNVILL	E	Λ -						01-31	7040	erv-								
DST "	01-26	0 -	0 -	0	0 -	0 -	0 -	0 -	01-26	6859	VAL	0	XXX	0					
GEN"	12-23"	12=30	0 -	- 0 -	0	0=	0 -		0 -	0	WAP	70	EEP	0					
							01-09	01-12				84	() GA () X X X	Ö					
GEN-	11-21	11-28	0 ~	0 -	0 -	0 -	0 -	0 -	0 -	0	/ YEC	70	RMB	0					- <u></u>
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	ACKSODST OF THE PROPERTY OF TH	LEV REV	LEV REV REQ REQ REQ REQ REQ REQ REQ REQ REQ REQ	LEV REV REG REC ACKSONVILLE DST 01-21 0 - 0 - DST 01-26 0 - 0 - VP 12-23 12-30 0 - GEN 12-23 12-30 0 - ATL 12-11 12-19 12-23 DIV 01-24 0 - 0 - GEN 11-21 11-28 0 - HOLD F.S., A.C., D	APV OSP INF INF DST LEV REV REQ REC MGR ACKSONVILLE DST 01-21 0 - 0 - 0 - DST 01-26 0 - 0 - 0 - UP 12-23 12-30 0 - 0 - GEN 12-23 12-30 0 - 0 - ATL 12-11 12-19 12-23 12-23 DIV 01-24 0 - 0 - 0 - GEN 11-21 11-28 0 - 0 - HOLD F.S., A.C., DOT LTR HOLD F.S., DOT LTR, BCA	APV OSP	APV OSP INF INF DST DIV GEN LEV REV REQ REC MGR MNGR MNGR ACKSONVILLE DST 01-21 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0	APV OSP INF INF DST DIV GEN TO LEV REV REQ REC MGR HNGR HNGR V.P. ACKSONVILLE DST 01-21 0 - 0 - 0 - 0 - 0 - 0 - 0 - DST 01-26 0 - 0 - 0 - 0 - 0 - 0 - 0 - UP 12=23 12=30 0 - 0 - 0 - 0 - 0 - 0 - GEN 12=23 12=30 0 - 0 - 0 - 0 - 0 - 0 - ATL 12=11 12=19 12=23 12=23 01=02 01=07 01=09 DIV 01=24 0 - 0 - 0 - 0 - 0 - 0 - 0 - GEN 11=21 11=28 0 - 0 - 0 - 0 - 0 - 0 - HOLD F.S., A.C., DOT LTR., TEO ⁷ S HOLD F.S., POUT LTR., ECAS	LEV REV REQ REC MGR MNGR MNGR V.P. ATL ACKSONVILLE DST 01-21 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0	APV OSP INF INF DST DIV GEN TO TO LEV REV REQ REC MOR HNGR HNGR V.P. ATL APPVD ACKSONVILLE DST 01-21 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 01-21 DST 01-26 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0	APV OSP INF INF DST DIV GEN TO TO OR LEV REV REG REC MGR MNGR MNGR V.P. ATL APPVD RET ACKSONVILLE DST 01-21 0 - 0 - 0 - 0 - 0 - 0 - 0 - 01-21 6849 DST 01-26 0 - 0 - 0 - 0 - 0 - 0 - 0 - 01-26 6859	APV OSP INF INF DST D17 GEN TO TO OR LEV REV REG MEE HOR MNOR MNOR V.P. ATL APPVD RET ENS ACKSONVILLE BST 01-21 0 - 0 - 0 - 0 - 0 - 0 - 0 - 01-21 6849 RCH BST 01-22 0 - 0 - 0 - 0 - 0 - 0 - 0 - 01-23 6859 VAL TVP 12-23 12-30 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 WAP BEN 12-23 12-30 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 WAP BILL 12-11 12-31 12-23 12-23 10-20 201-07 01-09 01-12 01-21 Jean Shu BILL 01-24 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0	AFV 0SF 1HF 1HF DST DIV GEN TO TO OR OR OR OR OR OR OR OR OR OR OR OR OR	APV 0SP INF INF DST DIV GEN TO TO DR \$ PRJ LEV REV REG REC MOR HAGR V.P. ATL APPVD RET ENG TIEMS REV ACKSONVILLE DST 01-21 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0	APV 0SP INF 1NF DST DIV 0EN TO 10 OR FPN 6 PN 6 PN 6 PN 6 PN 6 PN 6 PN 7 PN 6 PN 7 PN 7	APV 0SP INF 1NF DST DIV 0EN TO TO OR \$ PR) \$ LEV REV REG REC MOR HAGR HAGR V.P. ATL APPVB RET ENG ITEMS REV DEU ACKSONVILLE DST 01-21 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0	ASPU SSF THF INF BST DIV GEN TO TO OR FRY \$ LEV REV REQ REG MOR HANGN V.P. ATL APPVO RET ENG TEHS REV DEV ACKSONVILLE DST 01-21 0-0 0-0 0-0 0-0 0-0 0-0 0-0 0-0 0 0 0	AFV 0SF 1HF 1NF DST DIV GEN TO TO OR F PRJ \$ LEV REV REC HOR HANGE NAGE V.P. ATL APPVD RET ENG TIENS REV DEV ACKSONVILLE DST 01-21 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	APV 085 TAP 1NP DST D1U 0EN TO TO OR FROM FROM THE MANS THE MANS THE TEND THE MEN THE

DER Comit # - 451188062 Mc Greens Swemp

> 4 451188082 Lofton Escell Tributury

See Book Titled BSCN North in Area coeviously occupied by Bob Warner

OSP JOB RECORD

INIT ISS: 100986 ISS: 37 CURR ISS: 012187

AUTH NO SUPP DIV PROJ . SUPP DIV DIST TY AUTH UNDRTKG NORTH DIV NW JAX S NF40421 V6846 AREA CLLI TYPE FUND GROUP ORIG 31111 YULEFLMAA01 S Y 4 SDW TYPE FUND GROUP ORIG ENG MECH SCH SN5B RWW AUTH TITLE: FIBER OPTIC TRK CA FR YULEE CO TO STATE LINE ST ENG AUTH SUB AUTH APP SUPP SUB SUPP APP ORD DUR DUR SHIP 081586A 120186A 012087A 010687 020687 START COMP C COMP ALL PLT RET REQD SVC SVC COMP CONT BID RC EST CONT COST BID CONT COST COND TR FT COND DU FT BUR TR FT NET PAIRS TERMINATED REB BILL TRUNK: TRKPRDT: SUBPR: SUBPRDT: LOC DAT1 LOC DAT2 LOC DAT3 LOC DAT4 LOC FLD1 LOC FLD2 LOC FLD3 LOC FLD4

NOTE1: DISTRICT WIDE 31106

NOTE2: CONV TO FKF TRK F550 24 FIBERS EAD 5/1/87

NOTE3: NOTE4: NARRATIVE:

140 VO.

MAT

JUB RECORD INIT 188: 100986 188: Jukr 188: 121286 AUTH NO SUFF DIV TY AUTH UNDRIKG PCN DIST NORTH DIV NW JAX S TYPE FUND GROUP ORIG CLLI ENG MECH SCH SNSB A YULEFLMAA01 -BUW RWW H TITLE: FIBER OPTIC TRK CA ER YULEE CO TO STATE LINE 57 ENG AUTH SUB AUTH APP SUPP SUB SUPP APP ORD DUE DWG CONT SHIP 081586A 120186A 010587 1-30-87 - 10687 020687 020687 020687 3-16-87 COMP C COMP ALL PLT RET REGD SVC SVC COMP CONT BID RC COND TR FT COND DU FT BUR TR FT BID CONT COST EST CONT COST NET PAIRS TERMINATED REB BILL TRKPRDT: SUBPR: SUBPRDT: TRUNK: LOC DATS LOC DATA LUC DAT2 LOC DATI LOC FLD2 - LOC FLD3 LOC FLD4 LOC FLD1 NOTEL: DISTRICT WIDE 31106 NOTE2: CONV TO FKF TRK F550 24 FIBERS EAD 5/1/87 NOTE3: NOTE4: NARRATIVE:

Ocia. Dwg Fuctoded TKIF 598, 1-6

3 for . Also should have

4 included TKIF 597, 1-6 for

5 co. - Cancelled per Dave Anderson

to Jim Gran. Dwgs corrected to delete

TKIF 598, 1-6, Ocion to original issue.

On 2-20-87 Bill Boyd discussed with fin G that FAA Hilliard discussing options for soute diversity. Decided to include this 4: fibre potential is cable to be pleased on V-6846 between yules Co, and 5 R. 108 Jim G, and RUW discussed with Mr. N = Williams: Mr. Williams gave DK to change whole Dage back 24 fibers.

Copy of sevised mat. Ist Faxed to Juy Gordon and hand carried to Rosalee Bowen 2-23-87.

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able Dearg.	V-6846	18	<u> </u>
SOW	NTCCA-03	18 / 045	
	TKF550,	1-12	
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Southern Bell

File: 295.0829

November 7, 1986

MEMORANDUM 10: File

SUBJECT: Summary of 11-6-86

Meeting

This memorandum summarizes a meeting held with:
Georgia, on November 6, 1986.
Attendees to the meeting were:

9 10

17

15

19

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Rich Patsios Flizabeth Wagner Leon Walker Harry Young

SBT - Ga. BIR

" - Corp. Accts.

• - HQ Net. Plng.

The purpose of the meeting was to discuss a proposed hubbed DS3 arrangement that would extend from the Yulee exchange to the Jacksonville Clay Street office. would construct a facility from Yulee to Key items from the meeting discussion were:

(1). believes that wants service by 4087 or 1088. The facility would provide diverse routing for the which says must have whether provides it or someone else does. must formally notify by November 15 as to whether they will provide this 25 facility.

as a participant in the National Exchange Carrier Association (NECA) tariff FCC1. The service would be a special access DS3 but would extend across a LATA boundary with providing the boundary crossing. pointed out that NECA had advised them that SBT is prohibited by the Modification of final Judgement (MFJ) from offering inter-LATA service. SBT does not view this as a single circuit that extends from to Jacksonville but rather as an intra-LATA circuit form Yulee to 35 Jacksonville. In this instance, relationship with SBI is that of a customer purchasing access services from SBT rather than another Local Exchange Carrier (LEC) interconnecting with SBT to provide a joint service.

A BELLSOUTH Company

- (3). ... could also elect to view themselves as an Interexchange Carrier (IC) instead of a LEC associated with NECA. The FCC has informed that they do not need any special permission to provide interstate service. SBI's position would remain unchanged should _____ elect this option.
 - (4). Charges for the Yulee-Jacksonville hubbed DS3 are stated in Section 7.5.9 of the BellSouth FCC1 tariff. Basically, these charges would be for (1) DS3 channel equipped with (1) DS3/DS1 multiplexer and (1) DS1/voice multiplexer. The applicable charges would be:

Rate Category	Monthly Recurring	Non-Recurring
Chan. Term.	\$5412.88	\$736.04
Local Transport (19	miles)	
1220.53 +(232.49x1 1220.53+4417.31 Optional Features		\$368.46
DS3/DS1 mux. DS1#voice mux.	\$1254.75 \$ 268.77	\$330.93 \$ 5.93
Totals:	\$12,573.75	\$1441.36

- (5). An optical interface will be used in Yulee instead of a standard electrical DS3 interface so that it is does not need to construct an environmentally controlled shelter. The exact equipment to be used will be determined later. Standard tariffed rates will still apply to all services that use this facility.
- (6). For intra-LATA circuits that would connect to the hub in Jacksonville, would have both engineering and control office responsibilities. In this case, the facility essentially replaces existing ATT-C circuits so assumes the roles normally performed by ATT-C. For inter-LATA circuits that connect to the hub in Jacksonville, these responsibilities would be assumed by either or the IC providing this service.
- (7). Service orders for the intra-LATA circuits connecting to the Jacksonville hub would be submitted to the SBT Interexchange Customer Service Center (ICSC) by either or by acting as an agent for . Orders for inter-LATA circuits connecting to the Jacksonville hub would be submitted to the ICSC by either by acting as an 40 agent, or by another IC acting as an agent for

(9). must provide SBT either a telephone number within the Jacksonville LATA or an 800 InWATS number to used for trouble reporting purposes.

(10). If construction schedules coincide, SBI is willing to share the cost of the river crossing plus joint trenching where the routes of the two companies are the same. The costs for this work would be in addition to the rates for the DS3 facility.

(11). ____ is to advise SBT of their decision to by November 15.

Harry E. Young Staff Manager-Network Planning

cc: SBT Meeting Attendees
Charles Brusca - Fl. INACC
Larry Gattis - Ga. INACC
Celeste Jacobsen - Fl. IFCPC
Patsy Turner - Rates
Bill Williams - HO Net. Plng.
Steve Wylie - Fl. Dist.

cam1186/HEY

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Cur to Ga/E/a F, 626 Lone Kee Approved # V 6846. When Approved Ath was given another # V- 6881. Repolved by Bonnie Conners (sector) and Ann Crossman (Accting).
Keep V-6846. Also A19880 charged to (unauthoriged code 40 péri Mnn 1-305-263-4035. Hosbor Eng. (Survey) Coded to 40 by Bol W \$4700 This Only 40 Cat checyl W.

And Catry. On Recheck

Ann found they had made error.

44700 is correct. This vouches to be corrected to 8450 2-5-87

Contrut
845c (Eng.) \$8483
-4c (Survey) 4700 Dec. Act. 1-8-87 (1 tom 13 183 Change Code On Voucher to 845c 2-5-87

FIBER PLACING PLAN

NORTH JACKSONVILLE CMC

REVISED 10/7/86	START DATE	COMPLETE DATE
EV5250 - CLAY TO LAKE FOREST		
REVISED 10/7/86 EV5250 - CLAY TO LAKE FOREST 1. INNERDUCT PLACED 2. CABLE TO SHIP (FROM WESTERN WAY) 3. PLACE CABLE 4. SPLICE AND TEST EV5292 - YULEE TO FERNANDINA BEACH	10/02/86 10/06/86	03/15/86 10/02/86 10/14/86 11/14/86
EV5292 - YULEE TO FERNANDINA BEACH		
1. ORDER INNERDUCT 2. BID BRIDGE ATTACHMENT ON EV5411 3. BID INNERDUCT AND FIBER PLACEMENT 4. PLACE LOFTIN CREEK CONDUIT ON EV5411 5. PLACE INNERDUCT 6. SHIP FIBER CABLE (FROM WESTERN WAY) 7. PLACE BURIED FIBER CABLE 8. PLACE UNDERGROUND FIBER CABLE 9. SPLICE AND TEST	10/01/86 10/01/86 10/06/86 10/27/86 10/27/86 11/05/86 11/12/86 11/24/86 11/17/86	10/27/86 10/20/86 10/24/86 11/09/86 11/24/86 11/10/86 12/17/86 12/05/86 12/23/86
EV5354 - OCEANWAY TO YULEE		
1. ORDER CABLE 2. ORDER INNERDUCT 3. ORDER CONDUIT 4. BID BRIDGE ATTACHMENT ON EV5411 5. BID CONDUIT AND FIBER 6. PLACE INNERDUCT 7. PLACE INCONSTANTION CREEK ON EV5411 8. PLACE NASSAU RIVER CONDUIT ON EV5411 9. PLACE LUMBER CREEK CONDUIT ON EV5411 10. PLACE CABLE AND CONDUIT 11. SPLICE AND TEST	09/26/86 09/26/86 09/26/86 10/06/86 10/01/86 10/27/86 11/10/86 11/18/86 11/26/86 11/26/86 12/01/86	11/10/86 10/20/86 10/20/86 10/24/86 10/20/86 11/10/86 11/17/86 11/25/86 12/01/86 12/23/86 01/15/87
EV5293 - LAKE FOREST TO OCEANWAY		
1. ORDER CABLE 2. ORDER INNERDUCT 3. BID INNERDUCT 4. PLACE MANHOLES AND CONDUIT ON EV5411 5. PLACE INNERDUCT 6. PLACE CABLE 7. SPLICE AND TEST	10/01/86 10/01/86 10/15/86 10/27/86 11/17/86 12/08/86 12/09/86	12/03/86 11/10/86 10/31/86 12/12/86 11/28/86 12/13/86 12/31/86
EV5411 - GUN CLUB TO BUSCH DRIVE	•	
1. BID BRIDGE ATTACHMENTS 2. BID CONDUIT AND MANHOLES 3. BID BORES (3) 4. PLACE BORES 5. PLACE LOFTIN CREEK CONDUIT 6. PLACE MANHOLES AND CONDUIT 7. PLACE INCONSTANTION CREEK CONDUIT 8. PLACE NASSAU RIVER CONDUIT 9. PLACE LUMBER CREEK CONDUIT	10/01/86 10/01/86 10/01/86 10/27/86 10/27/86 10/27/86 11/10/86 11/18/86 11/18/86	10/20/86 10/20/86 10/20/86 11/11/86 11/09/86 12/12/86 11/17/86 11/25/86 12/01/86

CORY SOW/ACB P40421 TO VP 1/9/87 Southern Bell ☐ BJY ☐ TLB J.W. Cearley 8ff-1 Southern Bell Tower Engineering Manager 301 West Bay Street Maintenance Engineering ☐ TSC Jacksonville, Florida 32202 904 350-2413 П □ CIRCULATE RET TO HCI COPY FOR HCL ☐ MAKE COPIES November 28, 1986 ☐ JLN ☐ FILE File: North FL. LATAs-Network

> Mr. Harold Isgette Engineering Manager Jacksonville, FL.

> Mr. Pope Watson Engineering Manager Savannah, GA.

Dear Sir:

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Attached is the design for the Yulee to Georgia Regenerator lightguide systems. A summary of fiber cable specifications is as follows:

Crossection	Length <u>Feet</u>	Splices	Fiber Grade(dB/Km)
Yulee-BNDY (Southside St. Mary	51,435 's River)	7	0.45
BNDY-GA Reces	58 104	` 7	A 45

The length and splice counts were supplied to us by Dave Anderson and Dave Thompson of your organizations. Loss Calculations for measurements are based on 0.45dB/KM for the total route. If the Georgia portion is not 0.45dB/KM or other data listed in this letter is incorrect, plese notify us as soon as possible.

If you have any questions, call W.L. Tinkel at 305-926-8867.

Yours truly.

Engineering Manager

cc: J.C. Miller Harry Young Doug Proctor

WLTFIBERDES

RECEIVED
DEC 04 1986

ENGINEERING JKVL. NW GROUP

A **BELLSOUTH** Company

 MEASUREMENTS
 14.8
 TO 17.9dB.

 F 550
 TEST LIMITS 14.4
 TO 16.8dB.

 IF 598
 TESTED BY
 DATE -

 L CABLE F 550
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SYSTEMS SPEC

FIBER SPEC

WAVELENGTH 1310 nm BIT RATE 565 Mb/s

FIBER MANUF N.T.
LOSS PER KM 0.45dB/KM
SPLICE TYPE FUSION

SPAN SPEC'

SPAN LENGTH 33.4KM 109.5KF NO OF SPLICES 14 17.9db

NOTES:
1) THIS IS A 24dB SPAN DESIGN DASED ON THE 1984
ATLANTA L.G. DESIGN RULES FOR FLORDIA.

2) FACILITIES MAKEUP:

YULEE TO BNDY (RIVER) 51,435FT WITH 7 SPLICES.
BNDY TO GA REGEN 58,104FT WITH 7 SPLICES.
58,000FT WITH 5 SPLICES.

TEL-6 FIBERS-YULEE TO RIVER (SEE 1F597)

3) LOSS BUDGET ALLOCATIONS: SPL FIBER TOTAL
YULEE TO SOUTHSIDE OF ST. MARYS RIVER:
SO. BELL 1.40dB 7.05dB 8.45dB

RIVER TO GA. REGEN

1.25dB 7.07dB <u>8.32dB</u> TOTAL 16.77dB

LIGHTWAVE FACILITY - NORTH FL YULEE TO GA REGEN

87YULE-GARG

ENGR: WLT ISSUE: 1 DATE: 11-18-86 FLORIDA SWITCHED SERVICES TRANSMISSION

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NOTE: This form is not to be used when reissue of construction drawing is required.

Title

Concurred in:

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For Southern Bell Telephone and Telegraph Company

Index

Article Designated Work..... 1. Article Contract Limitation.... Contract Price..... Article Beginning and Completion Dates..... Article Article Materials, Labor and Appliances..... 5. Article Restoration of Streets and Highways..... Article Permits and Licenses..... Article Delays: Extension of Completion Date..... Inspection of Work..... Article 9. Article 10. Changes in the Work..... Article 11. Indemnity Article 12. Liability Insurance..... Article 13. Method of Payment: Detailed Statements Article 14. Receipted Bills..... Article 15 Deductions from Statements..... Article 16. Assignments..... Article 17. Protective Measures and Notices..... Article 18. Gratuities...... Article 19. Non-Discrimination Compliance Agreement..... Article 20. Non-Collusion Certification..... Article 21. Severability..... Article 22. Examination of Records.....

Contract Read and Understood......

Article 23.

This Agreement is made this <u>8th</u> day of <u>April</u>, 19 87 by and between <u>Henkels & McCou, Inc.</u>, hereinafter called "Contractor," and the Southern Sell Telephone and Telegraph Company, hereinafter called "Telephone Company".

Witnesseth

That the Contractor and the Telephone Company, for the consideration hereinafter named, hereby convenant and agree as follows:

Article 1. Designated Work

Authority No. EV-6846

Location NW Jacksonville

The Contractor will perform for the Telephone Company the items of Contract Work authorized and/or required on the above Authority at the above location and set forth on attached bid sheets designated as Exhibit "A" by and in strict and full accordance with the requirements of the plans, drawings, and specifications of the Telephone Company covering the items of work set forth in attached Exhibit "A".

ARTICLE 2, CONTRACT LIMITATION

NOT TO EXCEED S

(a) The Telephone Company and the Contractor agree that the liability of the Telephone Company to pay compensation to the Contractor for the performance of work under this Contract shall NOT EXCEED the Contract Limitation shown above, which is a FIXED PRICE or is the estimated total contract cost computed by applying the unit prices to all of the work units listed on the attached Exhibit "A" with a reasonable allowance for contingencies.

(b) This Contract Limitation may be exceeded to the extent authorized in writing by the Telephone Company's General Manager-Distribution.

ARTICLE 3. CONTRACT PRICE

The Telephone Company and the Contractor agree that there are two methods of computing compensation to be paid the Contractor by the Telephone Company for work performed by the Contractor under this type of Contract and the method indicated by (X) in block below shall be used for computing compensation due the Contractor under this Contract.

() FIXED PRICE OF \$ to be paid the Contractor for the completion and acceptance of all items of work set forth in attached Exhibit "A". Deductions for any items not completed or payment for any added items to be explained in writing and approved by the Telephone Company's General Manager-Distribution.

UNIT PRICE - The total Contract cost to be paid the Contractor shall be computed by applying to each of the units of work set forth on the attached Exhibit "A", completed by the Contractor and accepted by the Telephone Company, the unit price for such units of work which are set forth in Exhibit "A".

ARTICLE 4. BEGINNING AND COMPLETION DATES

- (a) The Contractor shall begin work within ten (10) days after written notification by the Telephone Company that the materials to be supplied by the Telephone Company hereunder, or a sufficient amount thereof, are ready for delivery to the Contractor; or, if no materials are to be furnished by the Telephone Company hereunder, within $\frac{Ton}{Ton}$ (10) days from the date of the execution of this Contract; and shall entirely complete the work by not later than $\frac{May}{Ton}$, $\frac{19}{87}$, unless extended by mutual agreement, or as provided for in Article 8.
- (b) The Contractor shall begin and carry on the work at such points, in such order of precedence, and at such times as the Telephone Company's representative may from time to time direct.

ARTICLE 5. MATERIALS, LABOR AND APPLIANCES

- (a) The Contractor will furnish all materials (except materials to be furnished by the Telephone Company as provided for in Section (b) of this Article 5), cartage, tools, implements and appliances, and perform all work required for full performance of everything shown, described or reasonably implied by applicable general plans, drawings and specifications of the Telephone Company.
- (b) The Telephone Company will furnish to the Contractor at such time as will not delay the Contractor in his work all standard telephone catalogue items of material and other miscellaneous hardware or minor supplies associated with the above materials, and the Contractor shall receipt for and be responsible for said materials from date of delivery.
- (c) The Contractor shall in the performance of this Contract supply material and workmanship of a quality which is in strict and full accord with such parts of the Telephone Company's plans and specifications as are applicable to the work covered under this Contract, and shall furnish at Contractor's own expense all labor and material to make good any defects of materials or workmanship which may show up within one year from the date of the completion and acceptance of the work covered by this Contract.
- (d) The Contractor shall furnish, employ and have exclusive control of all persons to be engaged in or about the work set forth in the Contract; and shall prescribe and control the means and methods of doing such work. All persons employed by the Contractor in and about the performance of any such work shall be agents or employees of the Contractor, and neither the Contractor nor any of such agents or employees shall be deemed to be employees

of the Telephone Company for any purpose whatsoever; the Contractor being, and at all times acting as, an independent Contractor hereunder, and being responsible as an independent Contractor to the Telephone Company.

(e)Upon request of the Telephone Company's General Manager-Distribution, Contractor agrees to promptly remove from the work any employee of the Contractor or any subcontractor; it is understood and agreed that such a request shall not be deemed to be a request that such an employee or subcontractor be disciplined or discharged by the Contractor, nor shall it be deemed to be a reflection on the abilities or character of such an employee or subcontractor.

(f)Contractor acknowledges receipt of a copy of general plans, drawings and practices of the Telephone Company covering each of the items of work set forth in Exhibit "A" and agrees to perform all work in a manner consistent with the safety precautions as set forth in Telephone Company practices or any Municipal, County, State or Federal safety regulations applicable to the work location. Contractor acknowledges that all general plans, drawings, and Telephone Company practices received by Contractor hereunder shall be and remain the property of the Telephone Company and shall be returned to the Telephone Company upon request. Unless such information and/or documents were previously known to Contractor free of any obligation to keep them confidential, or have been or are subsequently make public by the Telephone Company or a third party, such information and/or documents shall be held in confidence, shall be used only for the purposes specified by the Telephone Company, or may be used for other purposes only upon such terms and conditions as may be mutually agreed upon in writing.

ARTICLE 6. RESTORATION OF STREETS AND HIGHWAYS

The Contractor shall properly refill with suitable material any and all excavations made, and shall restore all streets, highways, and sidewalks which may be disturbed in making excavations to their former condition unless otherwise ordered by the proper City, County or State Highway authorities having jurisdiction over such streets and highways and provide such proof of restoration as may be required by the permitting agency. Should the Contractor fail to properly restore any street which he has disturbed and the City, County or State incur any expense in repairing or restoring the same, the Contractor shall reimburse the City, County or State, as the case may be, for such expense and shall indemnify and save harmless the Telephone Company on account of any expense the Telephone Company may incur by reason of the failure of the Contractor to comply with the provisions of this Article 6.

ARTICLE 7. PERMITS AND LICENSES

The Contractor shall secure and pay for all governmental permits and licenses required by law or regulation with relation to any work covered by this Contract, and shall give all notices, pay all fees and comply with all laws, ordinances, rules and regulations relating to the work or to the full performance of this work except such permits as the Telephone Company may obtain for the opening of streets, sidewalks, roads and highways. The

Telephone Company will, in such manner as not to delay the work of the Contractor, provide all necessary permits for occupying or excavating streets, highways, railroad right-of-way, public utility easements, or any other private property, but the Contractor shall provide all other permits and licenses as above provided, and shall indemnify and save harmless the Telephone Company from any liability on account of the Contractor's failure to secure or comply with such permits and licenses.

ARTICLE 8. DELAYS: EXTENSION OF COMPLETION DATE

(a) Should the Contractor be delayed in the completion of the work by strikes, lockouts, unavoidable casualties, or any other causes beyond the Contractor's control, then, upon claim in writing by the Contractor, the time of completion shall be extended for such reasonable time as the Telephone Company's General Manager-Distribution may decide. No such extension shall be made for delays occurring more than seven (7) days before claim is made in writing to the Telephone Company's General Manager-Distribution. No compensation shall be paid by the Telephone Company to the Contractor for any time lost during any . such delay; except that where failure by the Telephone Company to supply such materials as are provided for in Article 5 or to provide the Contractor with the necessary permits provided for in Article 7 results in any temporary delay of the work and where actual loss to the Contractor occurs on account of such delay, the Telephone Company will pay the Contractor for such lost time in an amount to be determined by the Telephone Company's General Manager-Distribution.

(b) The Contractor agrees that if the Contractor, in the opinion of the General Manager-Distribution, neglects or refuses to supply sufficient tools, equipment and skilled workers or the proper quality and quantity of material suitable to perform the work covered by this Contract, or in any way fails to pursue the work with promptness and diligence or in strict conformity with this Contract and such plans and specifications as may be made a part thereof, then the General Manager-Distribution, at his option and without prejudice to any other remedy that he may have, after one (1) day's written notice to the Contractor may take over all labor, materials and appliances on the site and complete or have completed the entire work covered by this Contract. The cost of such completion by or for the Telephone Company shall be at the expense of the Contractor, and the amount of such cost shall be deducted from the compensation due the Contractor under this Contract. If the cost of such completion by the Telephone Company is in excess of the compensation due the Contractor under this Contract, such excess shall be due to the Telephone Company and shall be and become immediately payable on completion by the Telephone Company of the work set forth in this Contract. Any compensation otherwise.due the Contractor for the work covered by this Contract and above the cost of completion by the Telephone Company shall be paid to the Contractor by the Telephone Company.

ARTICLE 9. INSPECTION OF WORK

(a) Inspection of the whole or any part of the work, and of the materials furnished by the Contractor, may be made by the Telephone Company's representa

tive, at any time or times convenient to either of them, and the Contractor shall provide proper facilities, including all necessary tools and labor, for such inspection.

(b) If the work so inspected is found to be inferior or defective, or not in strict and full accordance with this Contract, or with the applicable plans. drawings and specifications of the Telephone Company, the Contractor shall bear the expense of such inspection, and shall at his own expenses at once reconstruct the work in full accordance with this Contract and applicable plans, drawings, and specifications of the Telephone Company. items so inspected prove to be constructed according to the plans, drawings and specifications of the Telephone Company, and if no defects are found, the Telephone Company shall bear the expense of the inspection. The failure or neglect of the Telephone Company's representative to inspect, condemn or reject inferior or defective materials or work shall not be construed as an acceptance of such materials or work by the Telephone Company, nor shall the/" Telephone Company be barred at any subsequent time from the recovery of damages or of such sums of money as may be necessary to replace inferior or defective materials and to reconstruct the work in accordance with the Contract and said plans, drawings and specifications whenever such inferior or defective materials or work may be discovered.

(c) It is agreed that the Telephone Company reserves the right to have a competent representative continuously at the site of any work set forth in this Contract. Consistent with the provisions of Article 5(d) hereof, the Contractor agrees to be guided by the reasonable recommendations of such representative.

ARTICLE 10. CHANGES IN THE WORK

The Telephone Company may make changes in the work designated or shown by applicable plans, drawing and specifications of the Telephone Company, by altering, adding to, or taking from the work, and the Contractor's compensation for said work shall be adjusted accordingly; but no such changes shall be made except upon the order of the Telephone Company's representative. All work under such changes shall be executed under the conditions of this Contract; and this Contract shall remain in full force and effect with respect to all work hereunder including such changes, whether material or otherwise.

ARTICLE 11. INDEMNITY

(a) The Contractor shall indemnify and hold harmless the Company and its directors, officers, employees and agents (collectively the "Indemnitees") and each of them from and against any loss, costs, damages, claims, expenses (including attorneys' fees) or liabilities (collectively referred to as "Liabilities") by reason of any injury to or death of any person or damage to or destruction or loss of any property arising out of, resulting from, or in connection with (i) the performance or nonperformance of the work contemplated by this Contract which is or is alleged to be directly or indirectly caused, in whole or in part by any act, omission, default, or negligence (whether active or passive) of Contractor or its employees, agents or subcontractors, regardless of whether it is, or is alleged to be caused in whole or part

(whether joint, concurrent or contributing) by any act, omission, default or negligence (whether active or passive) of the Indemnitees, or any of them or (ii) the failure of the Contractor to comply with any of the Articles herein or the failure of the Contractor to conform to statutes, ordinances, or other regulations or requirements of any governmental authority in connection with the performance of the services provided for in this Contract. Said indemnities shall include but not be limited to injury or damage which is or is alleged to be caused in whole or in part by any act, omission, default or negligence of the Contractor. Contractor expressly agrees to indemnify and hold harmless the Indemnitees, or any of them, from and against all liabilities which may be asserted by an employee or former employee of Contractor, or any of its subcontractors, as provided above, for which the Contractor's liability to such employee or former employee would otherwise be limited to payments under state Worker's Compensation or similar laws.

(b)Contractor further agrees to indemnify and hold harmless the Indemnitees from and against (i) any and all penalties imposed on account of the violation of any law, ordinance, order, rules, regulation, condition, or requirement, in any way related, directly or indirectly, to Contractor's performance hereunder, compliance with which is left by this Contract to the Contractor and (ii) any and all claims, liens and/or suits for labor and materials furnished the Contractor or utilized in the performance of this Contract or otherwise.

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(c)Where not specifically prohibited by law, the Contractor further agrees to indemnify and hold harmless the Indemnitees from all claims and suits for any liability; including, but not limited to injury, death, or damage to any person or property whatsoever, caused by, arising from, incident to, connected with or growing out of the performance or nonperformance of this Contract which is, or is alleged to be caused in part (whether joint, concurrent, or contributing) or in whole by any act, omission, default, or negligence (whether active or passive) of the Indemnitees. The foregoing indemnity shall also include liability imposed by any doctrine of strict liability. The Company and Contractor further agree that the liability of the Contractor to save harmless and indemnify the Indemnitees for damages caused solely by any act, omission, or default of the Indemnitees shall not exceed the sum of \$1,000,000 for property damage arising out of any one occurrence and \$1,000,000 for bodily injury or death arising out of any one occurrence. This indemnity agreement shall apply not only to claims and suits against the Indemnitees alone. but also to those claims and suits brought against the Contractor and the Indemnitees jointly, or any other combination. In the event of a joint verdict and judgment, the above-stated limit shall apply to the portion of the verdict or judgment which is against the Indemnitees.

(d) The Contractor further agrees to reimburse the Telephone Company for and/or hold it harmless against any and all attorney's fees and other expenses and costs incurred in pursuing any claim, suit or lien brought by the Telephone Company against the Contractor or those acting under its direction arising out of or resulting from a breach by the Contractor or those acting under its direction of any provision of this Contract or performance or nonperformance hereunder.

(e)The Telephone Company and Contractor agree that any judgment entered against the Indemnitees, or any of them, or the Contractor, shall not be determinative of the issue as to whether the act, omission, default, or negligence upon which the action was brought was that of the Indemnitees or of the Contractor.

(f)Contractor shall, at its own sole cost, expense, and risk, defend any claim, suit, action or other legal proceeding (collectively "action") arising out of the performance or nonperformance of this Contract brought jointly against the Indemnitees or any of them and the Contractor or against any of the Indemnitees, shall pay and satisfy any judgment or decree which may be rendered against any of the Indemnitees in any such action and shall pay any costs and attorney's fees which may be incurred by the Indemnitees in connection therewith and/or in enforcing the indemnification provisions set forth above. Should the Contractor, in the judgment of the Telephone Company, ignore or fail to properly handle or defend any such action, the Telephone Company may at its option assume and undertake, or join the handling or defense of any such action, and in that event the Contractor will reimburse the Telephone Company for attorneys' fees and other expenses incurred by it in handling or defending same, including any amounts paid by the Telephone Company in settlement thereof or in satisfaction of any judgment rendered.

ARTICLE 12. LIABILITY INSURANCE

(a) The Contractor shall take out, pay for, and at all times during the performance of work hereunder maintain, such public, contingent (where applicable, professional malpractice) and employer's liability insurance as will satisfy the foregoing indemnity requirements of this agreement and protect Contractor and the Telephone Company from claims under workers' compensation and other employee benefit acts. Such insurance shall include Comprehensive General Liability and property damage, including automobile, products completed operations and broad form contractual covering liability assumed by the Contractor under this agreement.

(b) Such insurance shall: (i) include Telephone Company as an additional insured; (ii) be primary insurance written on an occurrence basis to the full limits of liability hereinafter stated and should Telephone Company have other valid insurance, Telephone Company's insurance shall be excess insurance only; (iii) include a severability clause substantially in the following form:

"The insurance afforded applies separately to each insured against whom claim is made or suit is brought, but the inclusion hereunder of more than one insured shall not operate to increase the limits of the insurance carrier's liability. The inclusion of any person or organization as an insured shall not affect any right that such person or organization would have as a claimant if not so included."

;and (iv) contain an endorsement substantially stating:

"Cancellation or expiration of the policy to which this endorsement is attached shall not become effective until after thirty (30) days advance written notice has been delivered to Southern Bell.

Attention: W. H. Bellinger General Manager-Network/North Florida

at 301 W. Bay St. Jacksonville, FL 32202

(*:

(c)Without limitation of the requirements set forth in this Article, Contractor shall maintain insurance with coverage and minimal limits of liability as follows:

- (1)Workers' Compensation and Employer's Liability providing statutory coverage under the Workers' Compensation and Occupational Disease Laws of the state where operations are being performed under this Contract; and Employer's Liability coverage with limits of \$100,000.
- (2)Comprehensive General Liability affording (i) Bodily Injury Liability (or death) with limits of \$500,000 for each person and \$1,000,000 in the aggregate; and (ii) Property Damage Liability with limits of \$250,000 for each occurrence and \$250,000 in the aggregate, such coverage to include: Products Completed Operations, Broad Form Contractual Liability covering liability assumed under this Contract, Contractor's Contingent (Protective) Liability with respect to work subcontracted by the Contractor.
- (3)Comprehensive Automobile Liability affording (i) Bodily Injury Liability (or death) with limits of \$500,000 each person and \$1,000,000 each occurrence; and (ii) Property Damage Liability with a limit of \$250,000 each occurrence; such coverage to include liability for the operation of owned, hired, and non-owned vehicles.
- (4)(Where applicable) Professional liability insurance coverage shall be provided in an amount not less than \$1,000,000; such coverage to include Broad Form Contractual Liability covering liability assumed under this Agreement.
- (d)In no event shall the provisions of this Article be construed in any way to limit Contractor's obligations under the immediately preceding Article.
- (e) The insurance coverage required herein shall be through policies issued by companies authorized to do business under the laws of the state where the work is performed, with these qualifications:

The insurance company must be rated by the latest edition of Best's Insurance Guide, published by Alfred M. Best Company, Inc. at no less than an "A" Best Policyholders Rating and no less than an "X" rating in Best's Financial Size Category.

(f)All of such insurance, including renewals, shall be subject to the approval of the Telephone Company for adequacy of protection, and evidence of such coverages shall be furnished to the Telephone Company on Southern Bell Telephone and Telegraph Company Certificates of Insurance indicating such insurance to be in force and effect and providing that it will not be canceled during the performance of the work under this agreement without thirty (30) calendar days prior written notice to the Teleph ne Company. Completed Southern Bell Telephone and Telegraph Company Certificates of Insurance shall be filed with the Telephone Company prior to commencement of work hereunder; provided, however, that Contractor shall at any time upon request file duplicate copies of the policies of such insurance with the Telephone Company.

(g) If, in the judgment of the Telephone Company, prevailing conditions warrant the provision of additional liability insurance coverage or coverage which is different in kind, the Telephone Company reserves the right to require the provision of an amount of coverage different from the above stated amounts or in kind and shall afford written notice of such change in requirements thirty (30) days prior to the date on which the requirements shall take effect. Should the Contractor fail or refuse to satisfy the requirement of changed coverage within thirty (30) days following the Telephone Company's written notice, this agreement shall be considered terminated on the date that the required change in policy coverage would otherwise take effect.

ARTICLE 13. METHOD OF PAYMENT: DETAILED STATEMENTS

(a) The Contractor agrees to furnish detailed statements covering the entire work promptly upon completion of the Contract, or covering portions of the work completed on the Contract where the billing would be delayed appreciably if withheld waiting the final completion of the Contract. The detailed statements shall contain a complete list of all units of work performed under Exhibit "A" with a description of the units of work included in the statement.

(b) The Telephone Company will pay to the Contractor not later than 30 days after the receipt of such detailed statements the total amount due to the Contractor.

ARTICLE 14. RECEIPTED BILLS

The Contractor shall, if requested by the Telephone Company's General Manager-Distribution, attach to the statements referred to in Article 13, receipted bills for all labor and materials furnished, and for any other expense contained in the said statements, and in the event there are outstanding against the Contractor any bills for labor or materials, or for any other expenditures, the Telephone Company shall have the right to pay said outstanding bills and deduct the amount of same from the amounts shown in the statement.

ARTICLE 15. DEDUCTIONS FROM STATEMENTS

The Telephone Company's General Manager-Distribution may deduct from any statement rendered by the Contractor before issuing certificate of payments thereon, an amount or amounts sufficient to protect the Telephone Company from loss on account of:

- (a)Defective work not remedied;
- (b) Claims filed, or reasonable evidence indicating the probable filing of claims;
- (c)Failure of the Contractor to make payments promptly for materials or labor;
- (d)Cost of restoration of telephone service as a result of negligence on the part of the Contractor in the performance of work under this Contract.

ARTICLE 16. ASSIGNMENTS

This Contract shall not be assigned, nor shall the Contractor assign any moneys due for to become due hereunder, without the previous written consent of the Telephone Company.

ARTICLE 17. PROTECTIVE MEASURES AND NOTICES

(a) The nature of work herein contemplated may bring the employees of the Contractor and its subcontractors into close proximity to the existing overhead, surface and underground facilities of the Telephone Company, other utilities or other persons, with a resulting risk or danger of personal injury to such employees or damage to such facilities. Should the work prints, drawings, plans, or specifications issued by the Telephone Company indicate or fail to indicate the location of such facilities, whether those of the Telephone Company, other utilities or other persons, it is expressly understood and agreed that the Telephone Company, its officers, employees and agents shall not incur any liability for injury to persons or damage to property by reason of furnishing or failing to furnish such information, the Contractor hereby assuming full responsibility for determining the exact location of all such facilities and their proximity to the work to be performed under this Contract. The Contractor will keep itself fully informed of the dates, times and places on and at which each and every phase of the work herein contemplated is being or is to be performed, and the Contractor hereby assumes full responsibility of taking such protective measures and giving any and all notices which may be required to avoid or reduce to a minimum the risk of danger of personal injury to such employees or damage to such facilities.

(b) Where the locating of complex below ground facilities requires the assistance of the Telephone Company in order to protect the telephone plant or when after making a reasonable effort the Contractor is unable to locate the Telephone Company facilities, the Telephone Company may render necessary assistance in these limited situations.

(c)At the request of the Contractor, the Telephone Company will confirm to the other utility or other person the fact that the Contractor is performing work for the Telephone Company and request the cooperation of such other utility or other person, but the Contractor shall be and remain solely responsible for taking protective measures or giving notices as herein specified, and the Telephone Company, its officers, employees or agents, shall not incur any liability by reason of such assistance to the Contractor or because of any failure of such other utility or other person to comply with any request by the Contractor or the Telephone Company.

ARTICLE 18. GRATUITIES

The Contractor warrants that no person or agency has been employed, retained, or directed to solicit or secure this Contract upon an agreement or understanding for a commission, percentage, brokerage, contingent fee, or other remuneration. Southern Bell Telephone and Telegraph Company may, by written notice to the Contractor, terminate the right of the Contractor to proceed under this Contract or any other contract if it is found by Southern Bell Telephone and Telegraph Company or its duly authorized representatives that gratuities (in the form of entertainment, gifts, or otherwise) were offered or given by the Contractor, or any agent or representative of the Contractor, to any officer or employee of Southern Bell Telephone and Telegraph Company or its parent company, with a view toward or the intent of securing a contract or securing a favorable treatment with respect to the awarding or amending, or the making of any determinations with respect to the performance of this Contract.

ARTICLE 19. NON-DISCRIMINATION COMPLIANCE AGREEMENT

The Contractor agrees to comply with the applicable provisions of the attached Non-Discrimination Compliance Agreement which is attached hereto as Exhibit "D".

ARTICLE 20. NON-COLLUSION CERTIFICATION

By executing this Contract, Contractor certifies that neither Contractor nor any of its officers, employees, or agents has acted in concert with or agreed with any other person, firm, corporation or other entity, whether actively or passively, to set the charges contained in Exhibit "A" at or above a certain rate. Contractor further certifies that the charges set forth herein have been arrived at and submitted by Contractor without consultation or agreement

with any other person, firm, corporation or other entity which has also submitted a quotation to perform the same or similar work in the same or another area for the Telephone Company. Should it be determined that Contractor has committed any of the acts set forth in this paragraph, the Telephone Company shall have the right to immediately terminate this Contract. Upon such termination, the Telephone Company shall have no further obligation or liability to the Contractor.

ARTICLE 21. SEVERABILITY

If any of the provisions of this Contract shall be invalid or unenforceable under the laws of the jurisdiction applicable to the Contract, such invalidity or unenforceability shall not invalidate or render unenforceable the entire Contract, which shall be construed as if not containing the particular invalid or unenforceable provision.

ARTICLE 22. EXAMINATION OF RECORDS

The Contractor agrees that the Assistant Comptroller or the General Manager-Comptroller of Southern Bell Telephone and Telegraph Company or any of his duly authorized representatives shall, until the expiration of three years after final payments under this Contract, have access to and the right to examine all books, documents, papers and records of the Contractor. The Telephone Company shall also have the right, upon request of a Telephone Company employee of Department Head level or above, to conduct operational reviews of Contractor's operations at any time and from time to time during the term of this Contract. Such reviews may include the review of all books, documents, papers, and records of the Contractor.

ARTICLE 23. CONTRACT READ AND UNDERSTOOD

The Contractor hereby admits that he has read each and every clause of this Contract, and the annexed "Exhibits", and fully understands the meaning of the same, and hereby agrees that he will comply with all the terms, convenants and agreements set forth herein.

In Witness Whereof, the parties hereof have executed this agreement the day and year first above written, in duplicate originals.

Henkels & McCoy, Inc.
Contractor

Witness:

Caroline X. Mos ton

Violoria D. Llver

By: Mare Tarret

Title: and Moraria

Southern Bell Telephone And Telegraph Company

Witness:

Cynthia D. Hone

Attachments: Exhibit "A"

Exhibit "D"

THIS PAGE MUST BE SUBMITTED WITH YOUR BID

A copy of the contract on file at the office of the General Manager - Distribution, Jacksonville, Florida, is by reference made a part of this bid package. You are required to review the contract and familiarize yourself with the provisions contained therein prior to submitting your bid.

Your signature on the line below shall certify to Southern Bell that you have reviewed the contract on file and are agreeable to the terms and conditions contained therein should you be awarded the contract.

GENE TALLENT AREA MANAGER

(Title)

Date: __APRIL 1, 1987

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EXHIBIT A

CONTRACTORS BID SHEET

EV6846

NORTH/WEST JACKSONVILLE

- All city, Florida Department of Transportation, and OSHA traffic control and safety regulations shall be strictly adhered to. Expense of traffic control assistance shall be the responsibility of the contractor doing the placing operations.
- The contractor shall be responsible for locating and protecting all telephone cables, conduit, terminals, closures, and foreign utilities.
 This includes the excavation and adjustments of telephone cable to permit the placing of cable.
- Placement of cable shall include the removal and replacement of trees, shrubbery, fences, signs, and mail boxes. All debris shall be removed and disposed of in accordance with health, environmental, and city regulations.
- 4. Coordination of all work operations with the Florida Department of Transportation and or city departments, agencies, regulatory boards or representatives shall be the full responsibility of the contractor.
- 5. All items of billing are expected to be discussed and resolved on a daily basis by the contractor and the Telephone Company representative on the job. Any item or items which cannot be resolved at this level shall be directed to the Manager Construction expeditiously. Any unresolved billing, after seven calendar days with no attempt to reconcile between the contractor and the Operations Manager may be considered as other than legitimate.



Bidding Agreements

1.0 GENERAL

1.01 To attempt to provide "Unit Prices" to cover all possible contract work would result in a voluminous Exhibit "A" that would prove impractical and burdensome to the field forces to check and administer, and to the contractors to submit reasonable and sound bids.

1.02 Exhibit "A" 'Unit Prices" are confined to "Items" requiring appreciable time and cost to the Contractor. All work operations not covered but associated with "Items" provided must be considered as incidental with the cost included in the "Unit Price."

1.03 The Telephone Company will furnish to the Contractor all standard Telephone Catalogue items of material. The "Unit Prices" listed shall exclude the cost of all materials furnished by the Contractor, except the cost for explosives and lumber used as forms, and the Contractor will be compensated for any materials furnished by him on the basis of actual cost (to include sales tax) plus ten (10) percent. Such material costs, including any standard Telephone Catalogue items of material furnished by the Contractor at the request of the Telephone Company, shall be listed on separate Contractor's bills in detail as to kind, quantities and price and associated with the appropriate items of work.

1.04 The materials furnished by the Telephone Company shall be delivered in whole or parts at such time as will not delay the Contractor in his work at a location within reasonable proximity to the work.

1.05 The Contractor shall receipt for and be responsible for proper storage and safeguarding of any material furnished by the Telephone Company and the Contractor shall reimburse the Telephone Company for any losses from damaged, stolen or lost material due to negligence or improper storage or handling. The cost of unloading large shipments of telephone material and delivering to a location within reasonable proximity to the work shall be borne by the Telephone Company. The cost of any storage space for telephone material or watchman service to protect the material delivered to the Contractor and any miscellaneous expense, such as ferry or bridge tolls, police for traffic direction, etc. shall be borne by the Contractor.

2.0 DEFINITIONS

- 2.01 The following definitions apply to the headings of the columns under "Trenched and Plowed" cable or wire.
 - (a) "Total Trench Ft." means the estimated number of trench feet to be required for type of cable or wire.
 - (b) "Total Placed—Cable or Wire Ft." means the estimated number of feet of cable or wire to be paid for at the plowed price, to include all cable and wire reported as material used.

3.0 BIDDING INSTRUCTIONS

- 3.01 "Unit Prices" shall be secured to cover all items listed in the bid sheets unless it is definitely known that such Items will not be encountered and the items will be typed out of the bid sheets.
- 3.02 Telephone Company Practices provide dimensions for trenches based on depth of trench and types and figures of manholes. Compensation for only the number of cubic feet of rock excavation actually required by such dimensions listed in the practices will be paid by the Telephone Company to the Contractor.
- 3.03 All buried cable and manholes shall be constructed in full accordance with the instructions contained in Company Practices unless otherwise indicated on detailed plans.
- 3.04 The "Unit Prices" shall include the cost of any pumping, bracing, sheeting, shoring, or any other measures required in any type soil.
- 3.05 The "Unit Prices" per trench foot for depth of cover or plowed depth in inches listed under buried cable are maximum depths for such unit prices and the Contractor will be compensated in accordance with the "Unit Prices" for each depth as a maximum and compensation for the next standard depth will be made when a standard depth is exceeded.

3.06 The "Unit Prices" for "Trenched" or "Plowed" buried cable or wire shall apply to all soil conditions and locations of cable or wire except an added charge will be allowed for rock excavation for plowed cable.

3.07 The "Unit Prices" for "Trenched" or "Plowed" cable or wire includes placing all cable and wire in the trench and in handholes or manholes, on poles or buildings and in conduit or pipe protection or other locations.

3.08 The Contractor shall be compensated at the "Unit Price" per foot for each plowed foot of cable or wire reported as material used except:

- (a) When two cables are plowed simultaneously, compensation will be paid for each plowed foot for one cable reported as material used and compensation shall be made as an added charge for placing the second cable.
- (b) When two or more single or multiple pair wires are plowed simultaneously, compensation shall be paid for one half of the reported wire footage.
- (c) No compensation will be paid for footage of cable or wire reported to an authorization as excess cable or wire to clear reels and junked and so noted on the material report.
- (d) The "Unit Prices" per foot for plowed cable shall be all inclusive for plowed cable or wire and no additional compensation shall be paid for trenching work required to reach terminals, closures or pedestals or any other associated work unless provided for by "Added Charges."
- 3.10 The "Unit Prices" for constructing manholes shall include placing all cable racks, pulling-in irons or other equipment required by Company Practices or listed on detail plans.
- 3.11 The Contractor shall be compensated on the basis of Hourly Cost 'Items" for labor and equipment as follows:
 - (a) For the cost of removing stumps, logs or other obstructions not ordinarily encountered in manhole construction.
 - (b) For the cost of any test holes required by the drawings, plans or specifications or performed upon a request by the Telephone Company.
 - (c) For the cost of any excavation that is abandoned due to circumstances and conditions beyond the Contractor's control such as subsurface obstructions, changes in plan, etc.
- 3.12 The cost of removing or rearranging any subsurface structures or other utilities required to provide clearance for manholes shall be paid for by the Telephone Company.

4.0 Surface Removal And Restoration

4.01 Walkways, driveways and roadways may be composed of various bases and toppings. It is intended to use the appropriate combination of unit prices for the various bases and toppings to conform with the actual bases and toppings removed or restored.

4.02 Walkways, driveways and roadways may be composed of various bases and toppings of thicknesses varying from established standards. The "United Prices' listed must be bases on the following agreements.

- a) That when non-standard thicknesses are encountered in surface removal, the Contractor will be compensated in accordance with the "Unit Prices" listed, for each two inch increment or part thereof for removing surface other than concrete and for each standard thickness or part thereof for removing concrete surface and additional compensation for each one inch increment above ten inches.
- b) Surfaces will be restored using standard thicknesses.

4.03 All surface removal and restoration is to be performed in compliance with City, County, State or Federal requirements and the Telephone Company shall compensate the Contractor in accordance with these requirements and dimensional requirements as specified in Company Practices.

4.04 Any surface, sod, or paving that has to be removed and restored because of damage by the Contractor in excess c that required by the above listed regulations or job specification shall be removed and restored at the Contractor's expense.

4.05 In those instances where the Contractor is under contract to perform all surface restoration, any temporary resurfacing or re-paving required during the progress of the job shall be included in the "Unit Prices" for surface remo and restoration and no additional compensation shall be allowed the Contractor for such temporary construction.

- (a) That when non-standard thicknesses are encountered in surface removal, the Contractor will be compensated in accordance with the "Unit Prices" listed, for each two inch increment or part thereof for removing surface other than concrete and for each standard thickness or part thereof for removing concrete surface and additional compensation for each one inch increment above ten inches.
- (b) Surfaces will be restored using standard thicknesses.
- 4.03 All surface removal and restoration is to be performed in compliance with City, County, State or Federal requirements and the Telephone Company shall compensate the Contractor in accordance with these requirements and dimensional requirements as specified in Company Practices.
- 4.04 Any surface, sod, or paving that has to be removed and restored because of damage by the Contractor in excess of that required by the above listed regulations or job specification shall be removed and restored at the Contractor's expense.
- 4.05 In those instances where the Contractor is under contract to perform all surface restoration, any temporary resurfacing or re-paving required during the progress of the job shall be included in the "Unit Prices" for surface removal and restoration and no additional compensation shall be allowed the Contractor for such temporary construction.
- 4.06 in those instances where the Contractor is under contract to perform only surface removal and surface restoration will be performed by others, and temporary re-paving or resurfacing is required, it is appropriate that "Unit Prices" for such temporary re-paving and resurfacing be established to cover local requirements.
- 4.07 Any temporary walkways, driveways, bridges, or other temporary construction required for vehicular or pedestrian traffic during the performance of the work herein shall be included in the "Unit Prices" for such work and no additional compensation will be allowed the Contractor for such temporary construction.
- 4.08 The "Unit Prices" for surface restoration shall include the cost of all materials furnished by the Contractor that are not standard Telephone Catalogue items of material, or provided for by means of separate "Unit Prices" where appropriate.
- 4.09 Removal prices of sod, gravel or crushed rock will apply only when these items are removed and preserved for reuse.

HENKELS & MCCOY, INC. GENE TALLENTYAREA MANAGER				
/AF	Authorization No	_EV6846		
7_	Exchange			
	·	•		
	nch Foot For Depth Of Cover	In Inches		
24	36 ln. 42 i	n. 1 48 In		
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7E 1	THAT THERE WILL BE A	MIXTURE OF		
FMF	HE ENTIRE ROUTE OF T	HIS PROJECT		
	WILL BE COMPUTED AT			
	USED TO PLACE CABLE			
TTON	III. NOT BE COMPLETED A	T THE PRICE P		
	OF CABLE REPORTED	AS IS		
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18	30 In 36	In. 1 42 In		
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ADDITIONAL CHARGES FOR ITEMS RELATED TO BURIED CABIE

Unit ·	Item Description .	No.Units C	Per Unit D
Each	Furnish and place fiber optic handhole	<u> </u>	- 6
Each	Place concrete marker. Includes placing signs, drill for and placing anchors as required. Anchors to be furnished by contractor	ling	q
Each	Place electronic markers		.1
Lin. Foot	Place 14" innerduct in existing conduit or pipe containing cable. Includes placing cable.		T_{i}
Bored Foot	Bore hole 1 - 3" under roadways or driveways, place 2" B.I.P. [Includes placing cable and innerduct.] Contractor to furnish pipe.	_	!
Bored Foot	Bore hole 3 - 5" under roadways or driveways, place 4" B.I.P.]includes placing cable and innerduct.] Contractor to furnish pipe.		
Duct Foot	Place 4" B.I.P. in open trench, includes placing cable and innerduct. Contractor to furnish pipe.	•	<u>,</u> 2
Lin. Foot	Place pulling in rope in existing innerduct, contractor to furnish rope.	•	a
Lin. Foot	Place innerduct in existing vacant pipe or conduit. Includes placing cable.	•	ي ج
Trench Foot	Each increment of 6 inches or part thereof below 48 inches of trench depth due to obstruction or Trench expected change in elevation for a distance of 10 Foot continuous feet or more		
Per Entr.	Opening wall and pointing up (buried cable Entr. entrance—Existing manhole		
Lin. Foot	Plowing second cable or wire simultaneously with first cable (larger diameter cable to be primary Foot cable		

Page Total: 3,

SURFACE REMOVAL AND RESTORATION

A	B No. 0	f Units	· D	Price Per Square Foot	· _
Item Description	Remove	Restore	Remove	Restore	Material
Sod or grass (to include top soil) .					
Gravel or Crushed Rock in Increments of 2 Inches					
Asphalt, Blacktop, Macadam or Equiv. in increments of 2 inches	 .				•
4 inch Concrete (sidewalk, driveway)	····	· 			
6 inch Concrete (sidewalk, driveway)					
8 inch Concrete (roadway, driveway)	·		·		
10 inch Concrete (roadway, driveway)				<u> </u>	
Concrete in increments of 1 inch above 10 inches					
Reinforcement for above Concrete (Mesh or Equiv.)					
Conventional seed and mulch (or straw)				, - -	
Hydro seed				· · · · · · · · · · · · · · · · · · ·	
Concrete Curb Only					C
Concrete Gutter Only					- S
Concrete Curb and Gutter (Monolithic Construction)					ا مب
Granite Curb (Retain and Re-use)			•		_
Saw Concrete					- 4
Saw Asphalt			- <u> </u>		
Grout [1 - 10] Cubic Feet				Price Per Cubi	c Foot
Page Total: \$	gnes-				

HOURLY COST ITEMS

Labor items

	Type Labor	·	Regular	Price Per Hour	Overtime	,
-	Foreman on the Job				_	<u> </u>
(. <i>.</i>	Working Leader/Machine Operator					·
•	Laborer					/(
•		EQUIPMENT ITEMS			•	
	Type Equipment	,			Price Per Hour	
	1 Ton Truck or Less					!·
	1 1/2 Ton to 2 Ton Truck				· 	/
<i></i>	1 1/2 Ton to 2 Ton Truck with Winch	,		;	_	—!
(° -	Tractor with Semi-Trailer			<u>:</u>		!
	Air Compressor, 1-2 Pneumatic Hammers					!
	2-3 Inch Water Pump			*		<u> </u>
	4 Inch Water Pump					!
	Blower (Gasoline or Electric)			· ———		Ġ
-	Pole Trailer or Cable Trailer	·				ê
	Trencher—Any Size		•	-		
	Pipe Pusher or Boring Machine					ć
	Tractor (buildozer)	•		- <u></u> -		
	Backhoe					
$C_{\mathbb{Z}}$	Hydraulic Pole Truck					
	Motorized Tamper					

BID SUBMITTED BY: FIRM (INIT.) H & M -Y (INIT.) P: 6: 1.	CONTRACTORS BID SHEET UNDERGROUND CONDUIT HOURLY COST ITEMS	•	form 6438 Feb. 1967 Theo
DATE APRIL 1, 19 UNIT PRICES FOR INSURANCE, I	1 LABOR TO INCLUDE OVERHEAD, TOOL I PROFIT AND ALL OTHER ASSOCIATED LA	EXPENSE, TAXES	A
	TYPE LABOR	Unit Price Regular Time	Per Hour Over- " Time
Foreman, On The Job or Machine	Operator .		
Semi-Skilled Labor			
Common Labor			10.000
UNIT PRICES FOR EQUIPME	TYPE EQUIPMENT	CIATED OPERATIO	Unit Price Per Hour
% or 1 Ton Truck		•	767 7001
14-Top Truck	<u></u>		
14 Ton Truck with Winch	· ·	·	
Tractor with Semi-Trailer			
lir Compressor, 1-2 Pneumatic H	anmer		
2-3 Inch Water Pump		·····	
4 Inch Water Pump		<u>.</u>	
Blower (Casoline or Electric)		·	
Pole Trailer or Cable Trailer			
Trench Machine 20 H.P. or Less			
Trench Machine 21 H.P. or More	<u> </u>		
Pipe Pusher or Boring M chine	Additional Items		<u> </u>
Caterpillar Tractor (Bulldozer)			
Vibratory Tamp			1
Vibratory Tamp with Roll	ler		<u> </u>
Front End Loader			1
Generator 1500 WATT & Ov	/er		
Vehicle Founted Crane			+ =
		•	

Contract Cost

The Contractor submitting this bid, based on the estimated number of units listed on the bid sheets, estimates the tot: contract cost to be:

Bid Submitted by:

HENKELS & MCCOY, INC.

By GENE TALLENT

Title AREA MANAGER

Date APRIL 1, 1987



Jacksonville, Florid	2
----------------------	---

Date: March 7, 1987

Linda Kinsey
PLRMS
16GG1
SBT
Jacksonville, Florida

Re: Original Approved Permit Northwest Jacksonville District

Dear Ms. Kinsey:

Attached is the approved City Permit for Job Order Number/Estimate EV-6849, in the Lake Forest Wire Center.

This is in accordance with the procedures established in Bell System Practices 939+347+901 SB. Please contact me at 350-4634 if you have any questions.

Yours truly,

eresa Creamer

Supervisor

PERMIT 40954

Jacksonville, Fla., 4-/- 1987



APR 04098TY OF JACKSONVILLE

DEPARTMENT OF PUBLIC WORKS

SNGINEERING ROOM 900 — CITY HALL

JEVEL NW GROUPROOM 900 — CITY HALL

	Permission is herel		· · ·		,
	To work within the	limits of City ri	ight of way		_
•	In order to			ABLE A	s Per
	A TTACHED			·	
* 			11-6849		
•		: .			<u> </u>
					
	- 11.		S- 1		•
	LocationE	ELENA	ST- LEWIL	RNER	Street
	Vicinity of	<u> </u>		.	Streets
. •	Notification must Engineering Divisi	be made by 8:15 ion, West & Nort	A.M. daily of work to be done that h - 387-8841 Southside & Arl	at day. Phone P & ington - 724-3271 □	P Activity.
			DER WHICH THIS PERMIT		ere e gant a sur 1 de 11 de 12 de 12 de 12 de 12 de 12 de 12 de 12 de 12 de 12 de 12 de 12 de 12 de 12 de 12 d La companya de 12 de 12 de 12 de 12 de 12 de 12 de 12 de 12 de 12 de 12 de 12 de 12 de 12 de 12 de 12 de 12 de
		and the second of the second o	sly agrees to do all work subject to		v Engineer.
	in accordance with	City Standards	and in accordance with conditions	and regulations on a	reverse side
	hereof. When acco	mpanied by plat.	, blue print, or acceptable sketch.	same to be strictly	adhered to
S	and subject to er	ndorsements .con	tained therein. Any unapproved	deviation from the	e approved
•	drawings or stands	ards will be suinc	ient cause to have work reconstrued. A copy of this permit is requir	cted at the expense o	or the party
••	or parties to whom		d. A copy of this perime is reduced		
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Deta Complet Cable	Engineer ion Testing Required		Cable Nature	Low Pair of Revision	High Pair
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From:	: CKSONVILLE ELECTRIC	AUTHORITY		- Cynul	
ı. DEI	PARTMENT OF ENGINE	ERING	يار.	18187	
DISTRIB	UTION DIVISION	initial	Date	Comments	
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_ <u>X</u>	Overhead	7/32	3/1/87	OK	
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1 KANSM	ISSION DIVISION	• •		V-6849	.*
	Overhead				
	Sub-Station Division				
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	•		: *		
	TEN DOSE DOS DETE	EL "	iv : •••	A STATE OF THE STA	
*	City Hall, Room 1				
	Jacksonville, Flo	rida	•		
	Dear Mr. Pappas:				
		Bell Telephone and		any request permission	
	to place cable		 	as shown on the	
	attached drawing.	*			
	Place weil		. Dombono Booo		
	riease mail	approved permit to		· · · · · · · · · · · · · · · · · · ·	
-			301 West Bay S Southern Bell		
			18HH1	10MET	
			Jacksonville,	Florida	
•		•	ogcksouttite,	T TOL TUE	
				ours truly,	
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	Attachment		MAR 12	1987	
	ERCM/bb				
		Electric Authority	ENGINE	RING	
	233 West Duv	al Street	JKVL. NW	GROUP	
	Room 305		•	ADDDOSS	
	Jacksonville	, Florida		APPROVED	
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	ENGINEER: Ric	K WOLL - 300-3028		MAR 9 1987	
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	***			MAR O 5 RECO	



301 West	Bay S	Street
Southern	Bell	Tower
18HH 1		
Jacksonvi	ille,	Florida

Date	March 3,	1987	
	·		
Ro.	Joh Number	EV-6849	

Mr. John Pappas 220 East Bay Street City Hall, Room 100 Jacksonville, Florida

Dear Mr. Pappas:

The Southern Bell Telephone and Telegraph Company request permission to place cable as shown on the attached drawing.

Please mail approved permit to: Barbara Bass
301 West Bay Street
Southern Bell Tower
18HH1
Jacksonville, Florida

Yours truly,

Manager-Engineering

Attachment ERCM/bb

cc: Jacksonville Electric Authority

233 West Duval Street

Room 305

Jacksonville, Florida

ENGINEER: Rick Mull - 350-3658

PFCEIVED OF:	HTUOA	ERN BELL	Paga di <mark>kan</mark> alangi Paga di kanalang		_ cr 406	3000	CC. 25:
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PROJECT REVIEW

P340421 SUHHARY R	EPORT		
240368	•	District	N. Jax
1 (led By: <u>Steve Wylie</u> ate: 10/13/86	•	Contact 1	(umber: <u>330-39/</u> 3
grEng. Name: J. Zaborekan		Reviewer	· · · · · · · · · · · · · · · · · · ·
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			
O1 GENERAL NOTES			
	чΛн	#D#	
1. Checklist Complete 2. Gray Folders Correct 3. Proper Sheets in each Folder 4. Sheets Agree: FS, Ca. Agrees, Spelling, etc. 2. Positive Reporting 6. Clear Copies 7. Bound Correctly 8. Negative (-) Numbers 9. Timed Feeder Correctly 10. All Math Correct	5055555555	() () () () ()	
TOTALS	(9)	()	
F.S. Complete Story? 2. Location Info Correct? 3. Estimate # Typed for Adv. App. 4. Submit Date < 60 Days of Fcst. 5. Dash Out Tel. Equip. Number 6. Dash Out Area Number 7. \$ = Accounts Chargeable 8. Dates = EMPAC 9. Const. Mo's = EMPAC 10. Order Due Date Past = Special 11. F.S. Sells Proposal 12. Prop. Fac. = Schematic 7. Size Range of Plant 14. Type & No. of CXR Sys. 16. Describe Treated Area 17. Ref. AA's,DA's CSA's 18. Line Gain = Forecast 19. Reason For Timing - Obj. Fill 20. Problem Defined: LPIE, etc. 1. Billing? Estimated vs. Actual 22. Proposed Solutions	CABL	()	SN4-SB) State, Area, etc. 1st Paragraph 2nd Paragraph 3rd Paragraph 4th Paragraph
23. Rehab: OSPIC Concurrence? 24. Conform with OSPP?	(/)	()	

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25. Dist. Proj. = SAC Type, etc. (XR Proj. = Facility Used 27. Spelling, Grammar 28. No Corrections 29. Highway Reloc. No Billing? Why? 20. Fairs Available = Schematic 2nd Sheet = White Sheet 32. Signatures Appropriate? 33. Proj. Start Date < 9 Months	55500555		General F.S.
34. Acct. C.S. in Accord w/E.I. 5 35. No Corrections 36. \$ = OSP-1 Plt. Classified Correctly Loc. Area No. Shown 39. R/W Codes/Field Code 40. Interest = EMPAC 41. Eng. \$ Shown Correctly 42. C, X, M, R; 1C, 3C, 4C, 5C 43. Cont. Billing = EMPAC Codes 44. Prepared By; RC Codes 45. \$ by Year Realistic 46. Approval Year = Current Year 47. Billing Amounts Correct?	15555555555555555555555555555555555555	() () () () () () () () () ()	Accounts Charg'ble
48. Assoc. Proj.f's TEO's Listed Proj. Title = F.S. Gross Additions Shown		()	Tot. Under. Sht.
51. Exec. Approval Ltr. Req'd? 52. Advisory Ltr./Suppl. Proj. Ltr.	(√)	()	Exec. Appr. Ltr.
TOTALS	(33)	()	w.

,0	EMPAC	••	• • •
	a Tanm	$(\sqrt{2})$	Line 1
\ .	Proj. # & Long/Short Term		21.10
2.	Engineer's Initials		
	Type of Authorization	<i>```</i> ````	
~ -	Area Number	·	Line 2
- (•	FCC Data O.K.	1 3 1 5	Danc 2
•	Billing Involved		Line 3
4.	Proj. Title Correct		Line 6
5.	Forecast - Submit Dates		Tile o
	Auth. Apvd. date		
_	Material List Date O.K?		Line 7
6.	Dwgs. to Const. on Time		Line
,-	Material Req'd Realistic		
Í	Start Date = F.S.		
•	Comp Wk. Dates O.K?		
	Comp All Wk. = F.S.		
_	Svc. Need = Obj. Fill		Line 8
7.	Contract Bid Date		Line o
	Plant Retired Date .		
_	Service Date .		Line 9
8.	Pairs Terminated	·	Line 9
	Conduit Length		,
	Buried Cable Length TLF	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
	Est. Contract for 4C Work		14 10 4- 27
9.			Lines 10 to 27
6	CBC Correct?		
	Class of Plant = 100%		Lines 28 to 47
10.	C, M, R Codes Shown		Lines 25 to 41
	Class of Plt./Each Account		
	\$ = Accts. Chargeable		·
	Field 4 Completed		
	Field 5 = "Y"	. (,) ()	* 45 10 A - 5P
11.	All "X" Codes = Accts. Charge		Lines 48 to 55
_	\$ = Accts. Chargeable	(\	
_			24 Cook - Dobo43
- 12.	Cont., Billing, Interest	() ()	T1 Costs Detail
			000 4-4-1-1-
_ 13.			OSP Materials
14.	Conduit = Schematic?		
→ 15.	Prod. & Choice Codes		~ · ·
16.	Use & Type Codes		
17. 18.	Ship Dates = OSP-1		
18.	EMPAC Issue = Hold File	(V) (··)	

? ?

PAGE	1 & MAP-1 -Pages 1 and 2 # 1 COE1 or MAP1	# A # ()	(#D#) }
22. 23. 24. 20. 27.	TEO #'s A, C, D, or P Type Expend., WWW or TWT, "Y" Area No. N, N, N, Y Gen. Description of TEO Y (Funded) N (Nonfunded) S; Y or N; Sub/Appvd. Date; Init. Order Due; Ship; Start; Comp; Svc. Adv. Comp. Date (As Req'd) CBC; COP; \$COP		; ; ; ; ; ;) Line 01 Line 02 Line 03 Line 05 Line 06 Line 07 Line 08 Lines 10 to 13 Lines 14 to 31
Page 29.	COE1/MAP1;TEO;A,C,D,OR P Acct. Code;COP;\$;Y (COE1);RCO	(} .	() Page 2) Lines 32 to 51
31.	For COE-1 COE1; T1;T3;T4 Trans. Codes	()	()
32. 33.	For COE-1 Cost Details COE1;TEO # Line #;Source Code;\$	(}	(}
34. 35.	For COE-1 Haterials Details COE1; TEO # Acct, Prod, Choice Codes,	.(}	()
(). 37.	For MAP-1 T8 Cost Detail TELCO ORDER; A or C Line No.; Area #; Source; \$	()	()
38. 39.	For MAP-1 T9 Material Detainment TELCO ORDER; A or Control Area #; Acct, Prod, Choice Codes Mat'l Qty.	(}	()
41.	For MAP-1 T4 Other Material COE1; TEO #; A or C A or C; O1; Description (Same as Item # 41 Above)	. s (()	() }
(TOTALS	(29	3)	(· ·
_	FORECAST 1. Copy of Forecast Included? 2. Sub. Date < 180 days? 3. IC Forecast Required? 4. Date & Lines = F.S.= OSP-1 5. Date, Fills = CFC 6. CFT/LOGJAH = Forecast 7. TK Fcst.: Issued < 120 Days	((((((((((((((((((((((((((((((((((((((()	((((((((((((((((((((((((((((((((((((((())))

·	*A	77	#	Dπ
.0 TRAHSMISSION 1. Req'd for Irregularities 2. UNICCAP: 1KHZ, 2.8KHZ, ERL () Fiber Grade Tables () Field Side of RT \(\) 9KF 26 GA. \(\) \(\	(, , , , , , , , , , , , , , , , , , ,)))	(((((((((((((((((((()
TOTALS	()	(,
2.0 SUBSCRIBER CARRIER DOCUMENTATIO	N			
1. Pr. Gain Econ. Analysis 2. Table A. Water, EASOP 3. Econ. Study: Fiber Vs. Copper 4. DILEP Input/Output 5. LEC Report # 1 6. CXR Route Layout Schematic 7. Copy in Sec. V & COE Gray	· · · · · · · · · · · · · · · · · · ·)	(((())))
13.0 ENGINEERING NOTES				
1. Abandoned Cable. Why? 2. Plnt. Retired in Advance 3. Oversizing, Undersizing 4. Current Distr. Sizing Tech. 5. Fdr. Tre. Boundary Changes 6. Under or Over Gauging 7. EASOP for Gauging 8. CONECS Notes 9. Mech. Input Factors non-Area 10. Dev. from Current Sizing 11. Pos. Report X-Mission 12. Plans to Elem. RZ36 13. Plans for Pair Gain -Future 14. Other Explanations 15. Factory Pre-term Drops. 16. RICS, if Applicable	`)
TOTALS	(;	. (,
14.0 SUPPORT DATA		_	_	
 CFT/LOGJAM Analysis and Summ. of Final Decisions 	• ()	(,,)
2. Used Proper Sizing Tech. 3. CXR? = MOD EFRAP/LOGJAM 4. Conduit Worksheets 1 & 2 5. Duct Size - PGP/Fiber Plan 6. Worksheet #3 Used	(((()	((())))

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·	Υµ	•	#D#	}	•
7. For each Treat Section 8. Tk/Toll Fcst. Reflected (Rehab: E-6275 & LPIE2 143/343 = LPIE 11. S-47/S-50 > \$2000 = CAB 12. S-50? E6581 & Letter 13. TK/Toll Proj. = Exch. Fiber? TK/Toll + Exch. Supp. Doc. 13. Exist. Tk. Ca. for CXR= Letter 16. IPC Proj. = Letter 17. IC = IC Fcst. and ACFP 18. Billing - Amt. & Need 19. X Box > 1800 = Comm & Ind. 20. Prop < OSSP = Opr. Mgr. Apvl. 21. DOT, etc. = Letters				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
TOTALS	()	()	
1. For Feeder; CO-OP \(\) 60 days 2. RT Charts? Included? 3. Sized by Assigned? 4. IC Load = Adjustments 5. CXR Support Pairs Adjust.	((()))	(((((((((((((((((((()	Days of Date on FS
TOTALS	()	()	
16.0 SCHEMATIC		,			
1. Sells Project? Ca = 20Yrs,	()	Schematic

18 21 22 23 25 26	Lateral > .5KF = Fcst. BICS Stamp & Init. on Ent.CA Dist. Proj. Des.901-350-250 Show Entire Area - Load Blks. S-47/S-50 > \$2,000? Turnaround = CFC all Rts. Date of Obj. Fill/Sect. Size: 30" x 50" Max. Crit. X-Section Identified? Growth Rate Realistic? Show Loc. of IC's)	Plng. D	ocument.	
	TOTALS	()	- ()			
$\mathcal{L}_{\mathbf{z}}$	JECT ASSEMBLY ORDER						
	OVERALL ASSEMBLY						
1.	All Required Items Included Per Assembly Order Checklist?	(V)			·		
2.	All Items in Proper Order?	(/)					
	TOTALS	(2)	()	•	•	
<u>_</u> (<.	•						
	PROJECT REVIEW SUMMARY		en.				
	TOTAL PROJECT APPLICABLE ITEMS TOTAL PROJECT DEVIATIONS \$ DEVIATIONS		(14)	항 참		
	•		YE	S	NO		
	Recommended for Approval				<u></u>		
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23

State/Area	FLORIDA/NORT	H Title	FIBER TRUNK YULEE CENTR		
Pivision	•		TO THE FLORE		
District	NORTHWEST JA	CKSONVILLE	:	:	
Exchange	JACKSONVILLE				
Location	YULEE			Area 1	%o.
Date Decembe	r 1, 1986 P	roject No.			Or Bldg.)
Gross Expendi \$290,400	tures Net Re \$290,40	quirements	Gross Add. to \$290,400	Plant	Net Add. to Plant \$290,400
Plant Retired \$ 44	Amt.Bil	led Others	Type Estimate Short Term		Associated Expense \$ 400
Order Due			Be ebruary, 1987		

Mature And Necessity Of Work:

This project provides for placing 51,435 feet of underground and buried single mode .45db/km grade fiber optic trunk cable consisting of 24 fibers in the northern portion of the Yulee Wire Center. The cable size allows for 12 trunking fibers between Yulee, Florida and the State Line and 8 fibers for a proposed joint venture between BellSouth, and the .The work is part of an undertaking to establish an interoffice fiber trunk facility between the Yulee Central Office and Brunswick, Georgia.

The area under treatment extends north along U.S. 17 from the Yulee Central Office to the Florida/Georgia State Line at the St. Marys River.

The proposed trunk cable is required as an integral part of the BellSouth Communications Network (BSCN).

It is proposed to place a single mode fiber optic cable with 24 fibers from the Yulee Central Office to the LATA Boundary at the Florida/Georgia State Line. The remaining distance of fiber optic cable that will span from the State Line into Brunswick, Georgia will be placed under separate authority. This project is in accordance with the Yulee Outside Plant Plan, and is funded in the current Outside Plant Budget.

F.C.C. Authorization Required Yes	No X P.C. No. Appvd./Appl. No.
Day 1/2/2	v86 Date
Frigineering Manager	Asst. Vice President
operations Manager Eng. & Asgn.	Vice President Network/FL
Operations Manager	Vice President
neral Manager-Network/N. FL	Vice President
General Manager	F01B14Z 00306
General Manager	Executive Vice President

# ACCOUNTS CHARGEABLE ESTIMATE NO.

		Account/	Gross	Plant		Project Cost of		<u> </u>	TELCO
A <u>rea</u>	No	Code	Additions		Salvage			Interest	Eng
A		В	С	D	E	F	G	H	I
		85C 845C 4M	12,544 277,856	12 14 14	44 44	44 44	44 400	44 44	286 2,011
		-	•	·					-
		Prior Yr	44	42	44	44			
TOTAL		Curr. Yr Subs. Yr		44	44	44	400		2,297

Summary Of Effect On The	Accounts
Gross Expend. *Total Column (C)	
Plus Column (F)	290,400
Net Requirements Total Column (C)	
Plus Column (F) Minus Column (E)	290,400
Net Additions Total Column (C)	
Minus Column (D)	290,400

Estimate Prepared By
S. D. Wylie - Engineer
R.C. Engr.
N21424000
R.C. Const. Mgr. (Dist.)
N21026000

## TOTAL UNDERTAKING SHEET PROJECT 340421

This project is part of an undertaking to provide trunk fibers from Yulee, Florida to Brunswick, Georgia. It also establishes fibers for a proposed joint venture between BellSouth, and the

**(**...;

( -

Listed below are the estimated Gross Additions for this project and the associated projects.

AUTHORIZATION	DESCRIPTION	GROSS ADDITIONS
P=64824 EV=T4029 (Associated)	Fiber Optic Cable • Brunswick Georgia to Jacksonville, Florida	1,843,000
P#340421 (This Submittal)	Fiber Trunk Cable 4 Yulee Central Office to the Florida/Georgia State Line	290,400
TOTAL	1	2,133,400

INIT 188: 100986 ISS: 33 CURR ISS: 112686 OSP JOB RECORD DIST PROJ AUTH NO SUPP DIV TY AUTH UNDRIKG NORTH DIV NW JAX 8 AF40421 ***************** ENG AREA CLLI TYPE FUND GROUP ORIG MECH SCH SN5B SDW . 31111 YULEFLMAAO1 4 AUTH TITLE: FIBER OPTIC TRK CA FR YULEE CO TO STATE LINE SUPP SUB SUPP APP ORD DUE ST ENG AUTH SUB AUTH APP DWG CONT 081586A 120186A 010587 010687 010687 020687 COMP C . COMP ALL PLT RET REQD SVC SVC COMP CONT BID 220987 040187 050187 050187 040187 BID CONT COST EST CONT COST COND TR FT COND DU FT BUR TR FT NET PAIRS TERMINATED REB BILL TRKPRDT: SUBPR: SUBPRDT: LOC DAT3 LOC DATI · LOC DAT2 LOC DAT4 LOC FLD1 . LOC FLD2 LOC FLD3 TE1: DISTRICT WIDE 31106 LOTE2: CONV TO FKF TRK F550 24 FIBERS EAD 5/1/87 NOTE3:

NOTE3:

NARRATIVE:

AC	PIT		PROGRAM	PITPER	DESCRIPTION
845C 85C	FTK FTK CND		277856 12544 400	100 100 100	EXCH FIBER TK EXCH FIBER TK CONDUIT
_AC	PIT	PROG	PROGRAM	PROGPER	DESCRIPTION
845C	FTK	G10 112 175	138927 69462 69467	50.0 25.0 25.0	GROWTH UNID TOPS OFFL COMM NTWK
()5C	FTK	G10 112 175	6271 3135 3138	50.0 25.0 25.0	GROWTH [®] UNID TOPS OFFL COMM NTWK

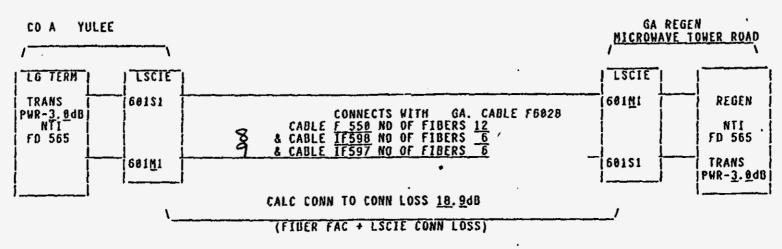
INIT ISS	ISS 33	CURR ISS 112686	BCAS OSP	TY S		PROJECT# NF40421
PAC	SOURCE	SRC LOCK	PROGRAM	SRC%	src desc	
(^15C	CTB GEN TOT	X X	67569 210287 277856	24.318 75.682 100.000	GENERAL CONTRA GENERAL/OSP ON	
85C	gen Tot	Y	12544 12544	100.000	GENERAL/OSP ON	LY
4M	GEN TOT		400 400	100.000 100.000	GENERAL/OSP ON	ГĀ

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INIT ISS	ISS 33	CURR 188 112686			TY AUTH 8	AUTH NO	PROJECT# NF40421
PAC	M PIT	VEND M ID		se/ m Rog shif	MAT TYPE	. som Mittorts	SHEATH FEET
-	FTK	777		.0 1215 10 ·	86 NBU	598.000	
¹	FTK	777		.0 1215 310	86 NUG	19.000	
	FTK	. 777	3370 1	2 1215 70	BG NBU	300.000	
	FTK	777	3370 1	.2 1215 .70	86 NUG	9.000	
** **	FTK	777	3370 7	5 1215 24	86 NBU	300.000	
フ	FTK	777		5 1215	Se NUG	9.000	

## ENGINEERING NOTES PROJECT 340421

- 1. The grade and type of fiber to be used will be Northern Telecom NTF+DTRW-24 based on .45 db loss per km.
- 2. An analysis of the route was made to determine the feasibility of including exchange fibers in the proposed trunk sheath. It was determined that all exchange relief within the 2 year window can be provided utilizing existing copper facilities.
- 3. The 24 fiber sheath has been sized to include 12 fibers for BSCN and 8 fibers for a proposed joint venture between BellSouth, and the The additional 4 fibers that round the size up to a 24 fiber cable are due to a special price dispensation granted by the manufacturer for 24 fiber cables (see attachments 1 thru 5).
  - 4. The proposed fiber optic cable placement from the Florida/Georgia State Line to Brunswick, Georgia will be submitted under separate authority by David Thompson in the Brunswick Distribution Engineering Office.

(...



NEAS	MEASUREMENTS TEST LIMITS 14.8 TO 17.9dB.					
	TEST LIMITS 14.8 TO 17.94B.					
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<u>]</u>	IF 597 TESTED BY DATE					
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SYSTEMS SPEC

FIBER SPEC

WAVELENGTH 1310 nm FIBER MANUF N.T. LOSS PER KM 0.4500/KM SPLICE TYPE FUSION

### SPAN SPEC

 SPAN LENGTH __33.4KM
 169.5KF

 NO OF SPLICES ___14
 14

 FIBER LOSS CALC ___17.9dB

### NOTES:

- 1) FACILITY MAKEUP:
  YULEE TO BNDY 51,435FT WITH 7 SPLICES.
  BNDY TO GA REGEN 58,104FT WITH 7 SPLICES.
   NOT KNOWN ABOUT 11.7 MILES.
- 2) THIS IS A 24d8 SPAN DESIGN BASED ON THE 1984 ATLANTA L.G. DESIGN FOR FLORIDA.
- 3) LOSS BUDGET ALLOCATIONS: FIBER + SPLICE LOSS
  SO. BELL YULEE TO RIVER MAX 8.5dB
   RIVER TO GA. REGEN MAX 9.4dB
   RIVER TO NAVAL BASE MAX 9.4dB

LIGHTWAVE FACILITY - NORTH FL YULEE TO GA REGEN

87YULE-GARG

ENGR: WLT ISSUE: 1 DATE: 11-14-86 FLURIDA SWITCHED SERVICES TRANSMISSION

F01B14Z 00314

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### Southern Bell

H. N. Ivester
Operations Manager - Tactical Planning
Switched Services - Provisioning

7JJ2 Southern Bell Tower 301 W. Bay Street Jacksonville, FL 32202 (904) 350-4500

November 12, 1986

(...

Mr. J. C. Miller Operations Manager Engineering Jacksonville, Florida

Dear Mr. Miller:

This is to advise you of the recent request by

to add 4 fibers to the already planned F550 fiber cable
between Yulee and the Florida/Georgia state line with an
Engineering Acceptance date of 05-01-87. The cable is presently
planned for 16 fibers: 12 for BSCN and 4 for This
request brings the total number of fibers to 20. The attached
letter from Mr. W. H. Williams of Network Planning, Atlanta,
describes the request by

To facilitate the approval and order placement for this fiber cable, the construction budget categories are listed below.

CBC	<u>Description</u>	Percent	
175	BSCN	25	
112	TSPS & TOPS	25	
G10	Growth	50	

There are no Equal Access/Network Reconfiguration Recovery Costs associated with this undertaking as indicated by the attached form.

Any questions can be referred to Mrs. Celeste Jacobson at 904-350-3903.

Yours truly,

Operations Manager Tactical Planning/North

Attachments

cc: Mr. H. C. Isgette

295.1101

W.H. Williams
Operations Manager

Southern Bell

Southern Bell Center Room 23V74 675 W. Peachtree St., N.E. Atlanta, GA 30375 404 529-8557

October 24, 1986

Mr. Harold Ivester
Operations ManagerTactical Planning-North Florida
Room 7JJ1 - Southern Bell Tower
Jacksonville, Florida

Dear Harold:

**(**: :

In order to serve the unique DS3 requirements of two Interexchange Carriers (ICs), please make arrangements to add eight (8) more fibers to the proposed fiber cable that will extend from the Yulee office to the Florida border. While firm orders for both of these ICs have not been finalized, Distribution must order the fiber cable very soon in order to meet a previous commitment for the BellSouth Corporate Network (BSCN). Anticipated revenues for these IC services are approximately \$22,000. per month.

Negotiations with have been underway for quite sometime and it was expected that a firm contract would have resulted by this time. However, Southern Bell has had problems in identifying a firm location to meet at for a companion circuit in Georgia. Hence, is waiting until Southern Bell can make a firm offer for both circuits before they will sign for either. It is expected that this situation will be cleared within the next 30-45 days.

Meanwhile, has requested a hubbed DS3 facility that would extend from the Yulee exchange to the Jacksonville Clay Street office. The actual connection in Yulee अने would be an optical interface near the St. Mary's River. 35 said this service is to provide a diverse route for 36 from their traffic would and nothing but is still discussing this proposal 37 be on this facility. 35 With but has indicated that the price quoted by Southern Bell is quite attractive. Again, if the extra fibers for this service are not placed now, Southern Bell's expenses would increase considerably.

If there are any questions regarding this request, please call me at 404-529-8557 or Harry Young at 404-529-8558.

Sincerely,

Operations Manager-Network Planning

cc: Luther Bigby - AFC
Doug Martin - Corporate Accounts

f11086/HEY

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•••		:	Issue /	Date ///	1/86
	Route BA	PWKGAMA	- YULEFLY	1A	
F550					• •
escription:					
Trunk Cable Capac	ity <u>3225</u>	<u>6</u>	žā Cītī (	Quantity	0_
Capacity Used		<u> </u>	NR CKT (	Quantity	0
Capacity Used for	EA O			•	
Capacity Used for	E WR O				
		<b>u</b>	; ;	OTEZR	
Ategory 1					
Ategory 2			<del></del>	<u> </u>	
egory 3			·	<u>_</u>	
Total DTES:	•				
l. CACs data ind indicated dat facility list dates below:	es. The offi	ces are exp	ected to be t	runked over	the
_Office_	IZA Trks	EA Date	inr Trks	MR Date	•



File: 295,0829

November 7, 1986

MEMORANDUM 10: File

4 SUBJECT: Summary of 11-6-86

This memorandum summarizes a meeting held with .
, Georgia, on November 6, 1986.

Attendees to the meeting were:

89

Rich Patsios Flizabeth Wagner Leon Walker Harry Young

SBT to provide a joint service.

SBT - Ga. BIR

Corp. Accts.

- HO Net. Plng.

The purpose of the meeting was to discuss a proposed hubbed DS3 arrangement that would extend from the Yulee exchange to the Jacksonville Clay Street office.

Ig construct a facility from Yulee to Key items from the meeting discussion were:

(1). believes that wants service by 4087 or 1088. The facility would provide diverse routing for which says must have whether provides it or someone else does. must formally notify by November 15 as to whether they will provide this facility.

as a participant in the National Exchange Carrier Association (NECA) tariff FCC1. The service would be a special access DS3

9 but would extend across a LATA boundary with providing

50 the boundary crossing. pointed out that NECA had advised them that SBT is prohibited by the Modification of Final

Judgement (MFJ) from offering inter-LATA service. SBT does not

30 view this as a single circuit that extends from to Jacksonville but rather as an intra-LATA circuit form Yulee to

31 Jacksonville. In this instance, relationship with SBI is that of a customer purchasing access services from SBT rather than another Local Exchange Carrier (LEC) interconnecting with

- Interexchange Carrier (IC) instead of a LEC associated with NECA. The FCC has informed that they do not need any special permission to provide interstate service. SBT's position would remain unchanged should elect this option.
  - (4). Charges for the Yulee-Jacksonville hubbed DS3 are stated in Section 7.5.9 of the BellSouth FCC1 tariff. Basically, these charges would be for (1) DS3 channel equipped with (1) DS3/DS1 multiplexer and (1) DS1/voice multiplexer. The applicable charges would be:

Rate Category	Monthly Recurring	Non-Recurring
Chan. Term.	\$5412.88	\$736.04
Local Transport (19	miles)	
1220.53 +(232.49x1 1220.53+4417.31 Optional Features		\$368.46
DS3/DS1 mux. DS1/voice mux.	\$1254.75 \$ 268.77	\$330.93 \$ 5.93
Totals:	\$12,573.75	\$1441.36

(5). An optical interface will be used in Yulee instead a) of a standard electrical DS3 interface so that does not need to construct an environmentally controlled shelter. The exact equipment to be used will be determined later. Standard tariffed rates will still apply to all services that use this facility.

**(**-

(6). For intra-LATA circuits that would connect to the 27 hub in Jacksonville, would have both engineering and 29 control office responsibilities. In this case, the 29 facility essentially replaces existing ATT-C circuits so assumes the roles normally performed by ATT-C. For inter-LATA

circuits that connect to the hub in Jacksonville, these 32 responsibilities would be assumed by either or the IC providing this service.

(7). Service orders for the intra-LATA circuits connecting to the Jacksonville hub would be submitted to the SBT 36 Interexchange Customer Service Center (ICSC) by either the Navy 37 or by acting as an agent for the Navy. Orders for inter-LATA circuits connecting to the Jacksonville hub would be 39 submitted to the ICSC by either by acting as an agent, or by another IC acting as an agent for

(9). must provide SBT either a telephone number within the Jacksonville LATA or an 800 InWATS number to used for trouble reporting purposes.

(10). If construction schedules coincide, SB1 is willing to share the cost of the river crossing plus joint trenching where the routes of the two companies are the same. The costs for this work would be in addition to the rates for the DS3 facility.

9 (11). is to advise SBT of their decision to by November 15.

Harry E. Young
Staff Manager-Network Planning

cc: SBT Meeting Attendees
Charles Brusca - Fl. INACC
Larry Gattis - Ga. INACC
Celeste Jacobsen - Fl. IFCPC
Patsy Turner - Rates
Bill Williams - HO Net. Plng.
Steve Wylie - Fl. Dist.

cam1186/HEY

295, 1101

W.H. Williams
Operations Manager

Southern Bell

Southern Bell Center

Room 23V74 675 W. Peachtree St., N.E. Atlanta, GA 30375 404 529-8557

October 24, 1986

Mr. Harold Ivester Operations Manager-Tactical Planning-North Florida Room 7JJ1 - Southern Bell Tower Jacksonville, Florida

Dear Harold:

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In order to serve the unique DS3 requirements of two Interexchange Carriers (ICs), please make arrangements to add eight (8) more fibers to the proposed fiber cable that will extend from the Yulee office to the Florida border. While firm orders for both of these ICs have not been finalized, Distribution must order the fiber cable very soon in order to meet a previous commitment for the BellSouth Corporate Network (BSCN). Anticipated revenues for these IC services are approximately \$22,000. per month.

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Meanwhile,
DS3 facility that would extend from the Yulee exchange to the
Jacksonville Clay Street office. The actual connection in Yulee
would be an optical interface near the St. Mary's River.
said this service is to provide a diverse route for
from their and nothing but traffic would
be on this facility. is still discussing this proposal
with but has indicated that the price quoted by
Southern Bell is quite attractive. Again, if the extra fibers
for this service are not placed now, Southern Bell's expenses
would increase considerably.

If there are any questions regarding this request, please call me at 404-529-8557 or Harry Young at 404-529-8558.

Sincerely,

Operations Manager-Network Planning

cc: Luther Bigby - AFC
Doug Martin - Corporate Accounts

f11086/HEY

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6451 North Federal Highway Room 915 Fort Lauderdale, Florida 33308 Phone (305) 492-3506

Carl E. Childs, Jr.
Operations Manager
Switched Services—Provisioning

October 1, 1986

#### MEMORANDUM

TO:

Distribution

FROM:

C. E. Childs

Operations Manager Switched Services

SUBJECT: Trunk Cable Construction Monitor

Attached for your review is the Third Quarter 1986 Trunk Cable . Construction Monitor for the Jacksonville LATA.

This monitor reflects those jobs completing in 1986-1987. Subsequent years will be added as required in an appropriate time frame. The "Scheduled" dates are suggested minimal intervals.

Recommendations and adjustments from departments involved in helping meet the "Engineering Acceptance Date" are welcome.

In addition, telephone inquires will be made, as required, to Distribution Staff, Engineering and Construction Districts to determine the job status.

Questions and updates may be directed to Bruce Hayden, Assistant Staff Manager, at (305) 492-3589.

Lusas & Lite

Operations Manager

BWH/jh

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Attachment

# NORTH AREA JACKSONVILLE LATA TRUNK CABLE CONSTRUCTION MONITOR AS OF 03-26-86

CROSS-SECTION	CABLE	PROVIDES	ENG ACPT DATE
JCVLCL-JCVLLF	F507	12 Fiber SM	04-01-87

Proi/1st. 41451/5250 Proj/Est.

CRITICAL EVENTS	SCHEDULE	ACTUAL	SCHEDULE	ACTUAL
EAL APPROVAL  OSPE-SUB PROJECT  FUTIMATE APPROVAL  CONST DRAWINGS  FIRST SEAM OFFICE  CONST COMP  TEST COMP  ENG ACPT DATE	110185 121585 011586 090186 010187 010187 030187 031587 040107	1285 120685 010286 012086		

# REMARKS:

٨	6 Miles	·	
ł;	JCVI CI	inscript 12118, Comp. 12-02-84A.	
C.,	JOVELE	(ESCIE) P12126. Comp. 11-04-84A.	
Įi,	JOVECT	(Flectronics) P36535, ship 01-17-87,	Come
		04-15-87 Adv. Comp. 2/828 10-01-86T	

DATE STATUS:	
11-18-85	EAD date advanced from 04-01-87 to 09-15-86. Estimate approval 01-02-86. EAL sent to Atlanta tor approval 10/85.
00-12-86	[AD date changed from 09 15-86 to 04-01-87 per Al Capuano.
011-26-86	Construction drawings have been issued 01-20-86

# NORTH AREA JACKSONVILLE LATA TRUNK CABLE CONSTRUCTION MONITOR AS OF 03-12-86

CROSS-SECTION	CABLE	<u>PROVIDES</u>	ENG ACPT DATE
JCVLLF-JCVLOW	F508	12 Fiber SM	04-01-87

Proj/Est. 40449/5293 Proj/Est. _____

CRITICAL EVENTS	SCHEDULE	ACTUAL	SCHEDULE	ACTUAL
EAL APPROVAL OSPE-SUB PROJECT ESTIMATE APPROVAL CONST DRAWINGS ETREP FRAME READY CONST STARE CONST COMP TEST COMP ENG ACPT DATE	110185 121585 011586 110186 010187 010187 030187 031587 040187	1285 121985 012086		

## REMARKS:

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A. 5 9 Miles B. JCVIII (15011) Project 12126, Comp. 11-04-84A.

C. JCVLOW (ISCIF) Project 28169, ship 08-16-86, comp.

D. JCVIOW (Electronics) Project 36511, ship 01-17-87, comp. 03-15-87.

11-18-85	EAD date advanced from 04-01-87 to 09-15-86
01-08-86	OSPE submitted project 12-19-85 per Steve Willey.
01-09-86	EAL sent to Atl. 10/08. Waiting on approval.
02-20-86	Istimate approval 01-02-86.
03-12-86	FAD date changed from 09-15-86 to 04-01-87 per
	A: Capuano,

#### NORTH AREA JACKSONVILLE LATA TRUNK CABLE CONSTRUCTION MONITOR AS OF 06-17-86

CROSS-SECTION	<u>CABLE</u>	PROVIDES	ENG ACPT DATE
JCVLOW-YULEMA	F509	12 Fiber SM	04-01-87

Froj/Est. 40368/5354

Proj/Est.

CRITICAL EVENTS	SCHEDULE	<u>ACTUAL</u>	SCHEDULE	<u>ACTUAL</u>
EAL APPROVAL OSPE-SUB PROJECT -ESTIMATE APPROVAL CONST DRAWINGS FIBER TRAMS READS CONST START CONST COMP TEST COMP ENG ACPT DATE	110185 . 121585 . 011586 . 110186 . 010187 . 030187 . 030187 . 031587 . 040187	1285 121985 020186 022186		· •

## REMARKS:

- 14 2 Miles
- B. JCVIOW (LSCIE) Project 28169, ship 08-16-86, comp. 11-16-66 C. YULEMA · (LSCIE) Project 16187, ship 02-01-86, comp. 06-15-86 D. JCVIOW (Flectronics) Project 36511, ship 01-17-87, comp.
- F. YULFMA (Electronics) Project 16187, ship 01-17-87, comp. 03-15-87.

11-18-85	FAD date advanced from 04-01-87 to 09-15-86.
01-08-86	OSFE submitted project 12-19-85 per Steve Willey.
01-09-86	EAL sent to Atl. 10/08. Waiting on approval.
02-20-86	Estimate approval 02-01-86.
03-12-86	FAD date changed from 09-15-85 to 04-01-87 per
	Fi Capuano,
06-17-86	Construction drawings issued 02-21-86

# NORTH AREA JACKSONVILLE LATA TRUNK CABLE CONSTRUCTION MONITOR AS OF 07-04-86

CROSS-SECTION	CABLE	PROVIDES	ENG ACPT
JCBHAB-JCVLBW	F521	6 Fiber SM	01-01-87

Proj/Est. 46194/5//0 Proj/Est.

CRITICAL EVENTS	SCHEDULE	<u>actual</u>	SCHEDULE	<u>ACTUAL</u>
FAL APPROVAL  OSPE-SUB PROJECT  FSTIMATE APPROVAL  -CONST DRAWINGS  FIREP # RAME PEADS  CONST COMP  TEST COMP  FNG ACPT DATE	100185 050186 070186 100186 110186 110186 120186 121586 010187	0285 052386 070486	·	

# REMARKS:

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A	" a Milee	^
£ .	<b>JCBHAB</b>	(ISCIL) Project 02087, ship 08-30-86, comp.
		12-07-86.
C.	acviķu	(ISCIE) Project 02086, ship 08-24-85, comp
		10-20-85A.
þ	JCBH4#	titlectronics) Project 16063, ship 08-16-851
		cons. 01-24-87.
£.	JCVLBW	(Electronics) Project 36547, ship 02-22-86, comp.
		65-18-962

06-24 85	New requirement.
(i) -09-85	Off Project to be submitted 05-01-86 per End.
06-17-86	OSP Project submitted 05-23-86.
67-10-86	Project approved 07-04-86 by General Manager

# NORTH AREA JACKSONVILLE LATA TRUNK CABLE CONSTRUCTION MONITOR AS OF 04-10-86

CROSS-SECTION	CABLE	PROVIDES	ENG ACPT
YULEMA-FRBHFP	F522	6 Fiber SM	04-01-87

Pro1/Fst. 40422/5292 Pr

Proj/Est.

CRITICAL EVENTS	SCHEDULE	<u>ACTUAL</u>	<u>SCHEDULE</u>	<u>ACTUAL</u>
EAL APPROVAL OSPE-SUB PROJECT ESTIMATE APPROVAL -CONST DRAWINGS EIBER FRAME READY CONST COMP TEST COMP ENG ACPT DATE	110185 121585 011586 090186 010187 010187 030187 031587	1285 121985 012086 020486		

# REMARKS:

**(**-

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A	u 9,6 Miles		
Б	S. YULEMA	(LSCIL) Project 16187, ship 02-01-86,	COMp.
^	FRRHFP	06-15-86. (ISCIE) Proiect 28168. ship 07-19-86A.	CAMO
•	CKOHIE	11-16-86.	COMO
[)	). YULEMA	(Electronics) Project 1618/, ship 01-17-87,	come
		03-15-87.	
E	. FRBHFP	(Flectronics) Project 16057, ship 01-17-87,	comp.
		- 03-15-67.	

11-18-85	EAD date advanced from 05-01-87 to 09-15-86.
01-08-86	OSPE submitted project 12-19-85 per Steve Willey.
01-09-86	EAL sent to Atl. 10/08. Waiting on approval.
02-20-86	Estimate approval 01-20-86.
03-12-86	FAD date changed from 09-15-86 to 04-01-87 per
	A! Capuano
04-10-86	Construction drawing issued 02-04-86.

# NORTH AREA JACKSONVILLE LATA TRUNK CABLE CONSTRUCTION MONITOR AS OF 09-24-86

CROSS-SECTION	CABLE	PROVIDES	ENG ACPT DATE
FTGRMA-JCVLOW	F523	6 Fibers SM	04-01-87

Proj/Est. 40420 Proj/Est.

CRITICAL EVENTS	<u>SCHEDULE</u>	<u>ACTUAL</u>	SCHEDULE	ACTUAL
FAL APPROVAL  OSPE-SUB PROJECT  FSITMATH APPROVAL  CONST DRAWINGS  FIBER, FRAME HILLION  CONST COMP  TEST COMP  ENG ACPI DATE	010186 090186 100186 110186 010187 610187 030187 031587 040187	0585 092586	•	

## REMARKS:

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A. 18 Miles.

B. FIGRMA (ESCIE) Exist.

C. FIGRMA (Llectronics) Projects 09/36 Ship 02-07-86. Adv.

comp. 04-01-87.

D. JCVIOW (Flectronics) Projects 36511 Ship 01-17-87 Comp 03-15-87.

01-28-86 02-12-86	New rerquirements (New switching machine). [AL approval 05-85.
07-10-86	Bill Powell, OSPE, to submit project on 08-15-86
09-08-86	OSP project to be submitted 09-17-86 per
03 00 00	f. Fowell,
09-24-86	OMP Project submitted on 09-25-86 per Bill Powell
	(350-3983).

# NORTH AREA JACKSONVILLE LATA TRUNK CABLE CONSTRUCTION MONITOR AS OF 09-01-86

CROSS-SECTION	CABLE	PROVIDES	ENG ACPT DATE
CRCYXA-PMPKMA	F528	6 Fibers SM	07-01-86

Pro1/Est. 43097/4546 Proj/Est.

CRITICAL EVENIS	SCHEDULE	ACTUAL	SCHEDULE	ACTUAL
EAL APPROVAL  OTHE-SHB PROJECT  ESTIMATE APPROVAL  CONDITORANTAL  LIBER FRANC SCRUCT  CONST START  CONST COMP  LEST COMP  LOG ACE DALL	073084 070185 090185 174185 030186 060186 061586 070186	073084 071785 073185 092785 010186 031086 060186 060186	,	
		r		

## REMARKS:

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A. 14.1 Miles.

8. PMPKMA (flectronics) Project 28170, ship 01-25-86, comp. 04-25-86.

06-10-85	OSP project to be submitted by U/-U1-85 per
	Jack uray.
08-01-85	OSP project submitted 07-17-85.
08-16-85	Estimate approved 07-31-85.
10-22-85	Construction drawings issued 09-27-85.
01-09-86	Fiber frames complete 01-01-86.
03-15-86	Construction start date 03-10-86 per H. Borry.
	CFG.
04-30-86	Finer cable in 100% placed. Cable now in process
	ot being spliced per H. Borry.
05-21-66	Construction splicing should complete by 05:30-86

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# NORTH AREA JACKSONVILLE LATA TRUNK CABLE CONSTRUCTION MONITOR AS OF 09-01-86

•	CROSS-SECTION	CABLE	PROVIDES	ENG ACPT DATE
	CRCYXA-PMPKMA	F528	6 Fibers SM	07-01-86
		Proj/Est. <u>4309</u> 7/	<u>454</u> 6 Proj/Est.	
	DATE STATUS:			
	∂6-03 86-∂0	Company has not	te to houndary.  started to place F	
•	09-01-86	Independent Comp	any is 07-15-867. any has still not o	completed their

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#### . NORTH AREA JACKSONVILLE LATA TRUNK CABLE CONSTRUCTION MONITOR AS OF 08-25-86

CROSS-SECTION	CABLE	PROVIDES	ENG ACPT DATE
LKCYMA-WHSPXA	F534	6 Fibers SM	08-01-86

Proi/fst. <u>55218/V45</u>09 Proj/Est.

CRITICAL EVENTS	SCHEDULE	ACTUAL	SCHEDULE	ACTUAL
EAL APPROVAL OUPE-SUB PROJECT ESTIMATE APPROVAL CONST DRAWINGS FIBER FRAME READI CONST START CONST COMP TEST COMP	040185 070185 090185 030186 050186 070186 070186 071586 080186	11-84 060185 071285 050986 02086 051586 072886 080186 080186		·
		4.0		

## REMARKS:

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9.7 Miles.

LKCYMA - (LSCJE) Project 12256. Ship 02-01-86. Comp. 02-86.

C. EKCYMA - (Electronics) Project 12256. Ship 02 01-86. Comp. 06-15-86

06-06-85	OSP Project 55218 submitted 06-01-65.
08-16-85	Estimate approved 07-12-85.
08-20-85	EAD date changed from 07-01-86 to 08-01-86 pc:
	W. Schell, IFCPC.
01-09-86	Construction drawings to be issued 02-01-86 per
	1. Kitts, 0.5.P.[.
01-20-86	Tiber cable will ship 04-01-86 per P. Pace
	Construction Manager.

# NORTH AREA JACKSONVILLE LATA TRUNK CABLE CONSTRUCTION MONITOR AS OF 08-25-86

CROSS-SECTION	<u>CABLE</u>	PROVIDES	ENG ACPT DATE
LKCYMA-WHSPXA	F534	6 Fibers SM	08-01-86
	Proj/fst. <u>55218/</u>	<u>V4509</u> Proj/Est.	
DATE STATUS:			•
03-17-86	Construction dr 04-11-86 per 1.	awings will not b	e issued until
05-01-86	Construction dr 05-09-86 per T.	awings to be issu	ed week ending
6 Person		art date 05-15-86.	
6) 21-86	Construction s	plicing is 90% c ledule per P. Pace.	
07-31-86	Construction ha	s completed splici lete their portio	ng. Waiting on
08-25-86		results are accept	able.

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# NORTH AREA JACKSONVILLE LATA TRUNK CABLE CONSTRUCTION MONITOR AS OF 09-01-86

CROSS-SECTION	CABLE	PROVIDES	ENG ACPT DATE
INTRXA-PLTKMA	f 536	6 Fibers SM	06-01-86

Proj/Est. 43206/V5002 Proj/Est. __.

CRITICAL EVENTS	SCHEDULE	ACTUAL	<u>SCHEDULE</u>	<u>ACTUAL</u>
CAL APPROVATOUS PROJECT CONC. OF AUTOMOTO PROVATOR OF AUTOMOTO PROVATOR PROVATOR ON START CONST. COMP.	030185 050185 080185 010185 010186 020186 050186 051586	06-85 060785 080185 161585 120185 021386 060186		
ENG ACPT DATE	060186	** **		

#### **REMARKS:**

A. 12.9 Miles.

P PLTKMA Project 16143, (Electronics) ship 01-25-86, comp. 05-04-86.

C. PLTKMA Project (LSCLE) 16143, ship 11-09-85 adv. comp. 12-01-85.

E. New requirements: Digital access to SEI C.O.

#### DATE STATUS:

Construction start date 02-13-86 per OSF impac

Report Generator.

ENG ACPT

# NORTH AREA JACKSONVILLE LATA TRUNK CABLE CONSTRUCTION MONITOR AS OF 09-01-86

CROSS-SECTION	<u>CABLE</u>	PROVIDES	DATE
INTRXA-PLTKMA	F536	6 Fibers SM	06-01-86
4	?roi/Est. <u>43206/</u>	<u>V5002</u> Proj/Est.	
DATE STATUS:			
	her cable is 10 Suplete per H. Barr	00% placed. Sp	licing is 50%
_05-15-86	enstruction is 90° idependent Company	% complete splicin will not have fib	
00-10-86 Co	7-15-86 per kobert instruction comple independent to p	te splicing to bo	undary, maiting
	idependent Compan		completed their

tiber. ECD 09-18-86.

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# NORTH AREA JACKSONVILLE LATA TRUNK CABLE CONSTRUCTION MONITOR AS OF 09-26-86

CROSS-SECTION	CABLE	PROVIDES	ENG ACPT DATE
HSNGXA-PLTKMA	F537	4 Fiber SM	01-07-87

Proi/Est. 43228/V5/13 Proj/Est.

CRITICAL EVENTS	SCHEDULE	ACTUAL	SCHEDULE	<u>ACTUAL</u>
EAL APPROVAL OSPE-SUB PECCE ESTIMATE APPROVAL CONST TORAWIN: FIBER FRAME READI CONST START CONST COMP LEST COMP	100185 020186 050186 060186 090186 100186 120186 121586 010187	1285 032686 061286 062486 EXIJI		
CHO BITT HELL				

## REMARKS:

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A. 9.5 MILES

B. PLIKMA - (LSCIE) Exist.

C. PLIKMA - (Electronics) Project 09834, ship 08-23-86, comp. 11-30-86.

01-28-86	New rerquirements (cable/radio relief).
01-28-86	EAL approved 12-85.
03-03-86	OSPE-project submitted 03-26-86.
04-10-86	OSPE submitted project 03-26-86.
06-16-86	Estimate approved on 06-12-86.
07-01-86	Construction drawings have been issued on 06-24-86.
09-26-86	Construction to start placing fiber 10-01-86T per
	H. Borry CMC. (272-0255)

# . NORTH AREA JACKSONVILLE LATA TRUNK CABLE CONSTRUCTION MONITOR AS OF 09-10-86

CROSS-SECTION	CABLE	PROVIDES	ENG ACPT DATE
JCVLAR-JCVLFC	F540	12 FIBER SM	05-01-87

Proj/Est. 46199 Proj/Est. 46274

CRITICAL EVENTS	SCHEDULE	ACTUAL	SCHEDULE	ACTUAL
EAL APPROVAL OSPE-SUB PROJECT	050186 100186		050186 100186	
ESTIMATE APPROVAL CONGETORAL	110186 120186		110186 120186	
FIBÉR FRAME REALY CONST START	010167 010187		010187 010187	
CONST COMP TEST COMP	040187 041587		040187 04158/	
ENG ACET DATE	050187	, e	050187	

## REMARKS:

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	4.1 Miles JCVLAK	(LSCIE)	-	02483	ship	01-10-87,	comp.
<b>C</b> .		03-08-87. (Electro: 04-05-87		ct 362	89 ship	01-17-87,	comp.

04-05-87.

D. JCVLFC (LSCIL) Project 02482 ship 01-10-8/, comp.

D. JCVLFC (LSC1E) Project 02482 ship 01-10-8/, comp. 03-08-87.

E. JCVLIC (Electronic) Project 36282 ship 01-17-87, comp. 04-05-87.

03-10-86	New Requirements (Cable/Radio Relief	).Scheduled
	Issue Date of EAL 5-86 per Long Range	Planning.
08-01-86	OSP project 46274 to be submitted	10-86 per
	Trene Hasty, OSPE.	•
09-10-86	LAL has not vet been approved.	

# NORTH AREA JACKSONVILLE LATA TRUNK CABLE CONSTRUCTION MONITOR AS OF 09-26-86

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	CABLE F541	<u>PROVIDES</u> 8 FIBERS SM	ENG ACPT DATE 03-01-87
JCVLJT-JCVLSJ	r 341	O LIDEKS SW	03-01-07
Proj/Est.	42501	Proj/Est	
CRITICAL EVENTS	SCHEDUL E	ACTUAL SCHEDU	ILE ACTUAL
EAL APPROVAL OSPE-SUB PROJECT ESTIMATE APPROVAL CONST DRAWINGS CIBER, FRAME FELLING CONST STAVE CONST COMP TEST COMP ENG ACPT DATE	100186 110186 120186	0786 092286	
REMARKS.		e E	
B. JOVEDT (ESCOR) B. JOVEDT - (Elect.) C. JOVESU - (Elect.)	Proj. 226/4	Ship 01-10-87 (	onip. 03-01-87
DATE STATUS:			
03-10-86 [Al Approx 08-04-86 [Al approx	ct submitted		lhomas, OSFI,

Page	16	of	1/

# NORTH AREA JACKSONVILLE LATA TRUNK CABLE CONSTRUCTION MONITOR AS OF 09-26-86

CROSS-SECTION	CABLE	PROVIDES	ENG ACPT DATE
MNDRLO-MNDR-AVE	F542	6 FIBERS SM	03-01-87

Proi/Est. 42543 Proj/Est. ____

CRITICAL EVENIS	SCHEDULE	ACTUAL	SCHEDULE	<u>ACTUAL</u>
EAL APPROVAL OMPE-SHB PROJECT FESTIMATE APPROVAL LONG: DRAWING FIGER INAME READT CONST START	090186 100186 110186 120185 010167 010187		,	
TEST COMP ENG ACEL DATE	030187 031587	2.	٠	

#### REMARKS:

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A MNDR-AVE (LSC)F) Project 22670 ship 01-10-87. Adv comp 02-01-87 b. MNDR-AVE (LICCI.) Froj. 22670 Ship 01-10-87 Comp. 03-15-87 C. MNDR(O (Elect.) Proj. 02594 Ship 01-10-87 Comp. 03-15-87

04-01-86 06-11-86	New RSM. Homing on Mandarin Loretto.  Doug Schlosser. Engineering, stated that Distribution will not order LSCIE.
09-05-86	J. Valdron, Equip. Planning, will order ESCIE on Project 22670, will adv comp for 02-01-87. EAL has not yet been approved. OSP project to be
	submitted upon [At approval.
09-26-86	OSP project to be submitted on 10-07-87 without EAU approval per J. Spivev. OSFE. (393-4911).

# NORTH AREA JACKSONVILLE LATA TRUNK CABLE CONSTRUCTION MONITOR AS OF 09-25-86

CROSS-SECTION	CABLE	PROVIDES	ENG ACPT DATE
YULE-BRWKGAMA	F550	12 Fibers SM	05-01-87

Proi/fst. 40421 Proi/Lst.

CRITICAL EVENTS	SCHEDULE	<u>ACTUAL</u>	SCHEDULE	ACTUAL
FAL APPROVAL  OSPE-SUB PROJECT  ESTIMATE APPROVAL  CONST PRANTNOT  FIRE TRAMS EFACT	030186 100186 110186 120186 010187	1184		
CONST START CONST COMP TEST COMP ENG ACPT DATE	010187 040187 041587 050187		·	,

#### REMARKS:

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A. 10.3 Miles.

B. YULEMA (ISCIL) Exist. Project 16187.

C YULEMA (Flectrorics) Project 12140 ship 02-07-87, comp 05-01-87.

	01-28-86	New requirements (BSCN official services).
27	08-25-86	Project to be submitted when information is obtained from All on decision to bury
		their fiber jointly with SBT.
	09-22-86	Leon Walker, Account Executive, stated that
		Microtel had not vet signed a contract with SRI.  He should have an answer by 09-26-86.
	09-25-86	loon Walker stated that there was a verbal
33	09-25-86	screenest with to bury jointly with SBI.
		A contract is now being written.

(File: 295.0804

May 15, 1986

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#### MEMORANDUM TO: FILE

니("SUBJECT: Summary of 5-14-86 Meeting Regarding Service In Jacksonville LATA.

DS3

This memorandum summarizes an "in-house" meeting that was held in Jacksonville on May 14, 1986, to discuss a potential DS3 service for in the Jacksonville LATA. Attendees to the meeting were:

Jim Green

NF Dist.

Warren Kuhlewind

Fl. Dist. Staff

Leon Walker

Corp. Accounts

Steve Wylie

NF Dist.

Harry Young

HQ Net. Plng.

### Key items from the meeting were:

(1). The proposed service will initially provide

// with two DS3s from their Jacksonville POP at 60

// Riverside Drive to a handhole which will be located just south of the bridge on 7.

(2). The SBT facility is planned for completion in may, 1987. The project must be submitted for approval by August 15 in order to meet that date.

(3). If this proposal is accepted by SBT would have to add four more fibers (for a total of 16) to the cable from the Yulee C.O. to the An additional M560 optical terminal would be placed in Yulee. For budgetary purposes, the cost of the outside plant work from Yulee to the St. Mary's River is estimated to be \$220,000, excluding the extra fibers and M560 terminal.

(4). Applications have been made by the Florida Distribution group with the Department of Environmental esources (DER) and the Army Corp of Engineers for placing a submarine cable across the St. Mary's River. If accepts the proposal, joint placement could occur to lower SBT's cost. If joint trenching is required on the Georgia side, the Florida Distribution personnel would prefer Georgia Distribution to actually place the cable so any contracts would be handled by one SBT group.

(5). Further meetings, with personnel attending, will be needed if the proposal is accepted. Leon Walker will arrange these meetings.

Harry E. Woung Staff Manager-Network Planning

CC: SBT Meeting Attendees
Elaine Bruce - Fl. INACC
Larry Gattis - Ga. INACC
Tom Langford - HQ Net. Plng.
Bill Williams - HQ Net. Plng.

```
INVALID INPUT -- RETYPE
#OLD P40421
#LIST
10 JCVL N P40421 FIBER Y-SL
20 5C D
30 NL SINGLE-HODE-FIBER 18F18 1380 2.88 .22
40 NL SPLICING 18FIB 2 1720 0
50 NL SPLICE CASE 2 225 0
                                                       changed to 24 F13
+#43,456
60 NL INNERDUCT 1-INCH 145 .23 .07
70 E0A
80 45C D
90 NL SINGLE-HODE-FIRER 18FIB 50055 2.88 0
100 NL SPLICING 18FIB 5 1720 0
110 NL SPLICE CASE 5 225 0
120 NL FIBER TRENCHING 50055 1.25 0
130 NL CONCRETE MARKER 60 12 0
140 NL CUT-AND-REST ASPHALT 400 1.35 0
150 NL 4IN-PIPE PLACE 200 4.75 0
160 00 5000
170 EDA
180 4N
190 PUMP MANHOLE 4 100
200 EDA
```

*FRN 0772/BGCOP,R

OIBL42 0054

R- 1 DATE 10/06/86 TIME 10.968

## CONSTRUCTION DETAILS

JCVL N AUTHORIZATION NUMBER	P40421		•	
CLASS OF PLANT UNDERGROUND-CABLE-EX	FIELD CODE 5C			
ITEH DESCRIPTION	QUANTITY	UNIT PRICE	TNUOMA	
NATERIAL 24				
SINGLE-HODE-FIBER TOFIE		•	3974.40 +	~11 L
**************************************	1380	2.88	3974.40	-1241
SPLICING 18FIB	2 2	1720.00	3440.00	
SPLICE CASE		225.00	450.00	
INNERDUCT 1-INCH	145	0.23	33.35	
MATERIAL LOADING (TOTAL CO			1759.62	
	J X 0.609)		190.96	
TOTAL NATERIAL			9848.33	
		<b>3</b>		
PLACING LABOR	313.75 WU	3.39	1063.61	
TOTAL LABOR			1063.61	
			1000101	
ENGINEERING · /	313.75 WU	0.91	285.52	-
OTHER EXPENDITURES		****	2.54	
•			W # () T	
TOTAL			11200.00	
PRODUCTIVITY RATIO (WU/HOUR	1) = 16.40	+	- 1344	
			- (1	1 <b>U</b>
F01B14Z 00345		•	12,51	7 1

43,560

(200) 760 Book & Jack

+ # 2660

Cigtails + #589

Junardiet (145) 1125 + #225.

+ 3475

# R- 2 BATE 10/06/86 TIME 10.968

# CONSTRUCTION DETAILS

JCVL N AUTHORIZATION NUMBER	P40421			<b>ð</b> ,	
CLASS OF PLANT BURIED-CABLE-EXCH	FIELD CODE 45C			+43,456	
ITEM DESCRIPTION	QUANTITY	UNIT PRICE	THUUNA	+43,1	
NATERIAL 24					
SINGLE-MODE-FIBER 18F18	•				
	50055	2.88	144158.40		
SPLICING 18FIB	5	1720.00	8400.00		
SPLICE CASE	5	225.00	1125.00		
FIBER TRENCHING	50055	1.25	<del>-62548</del> -75	SEC MATE DEIDL	)
CONCRETE HARKER	60	12.00	720.00	SEE NOTE BELOW	/
CUT-AND-REST ASPHALT					
	400	1.35	540.00		
4IN-PIPE PLACE	200	4.75	950.00	0 - 9717 02	
MATERIAL LOADING (TOTAL CO	IST X 0.223)		48717.93	=(40,000,00) = 8,717.93	
TOTAL MATERIAL		**************************************	267380.08		
TOTAL LABOR	,	•	0.		
TOTAL CONTRACT			5000 00	+ 62,568,75-67,568,75	٠
ENGINEERING	0. W	υ <b>0.</b>	2011 00	Thrai	
OTHER EXPENDITURES	V. #1	V.	8.93	1 CONTRACT	-
the same			0.75	J. 2010 1211 2	
TOTAL		_	274400.00 40000.00	NOTE	
PRODUCTIVITY RATIO (WU/HOU	R) = 17.97	224	400.00	62,568,75 IS FOR	
	•			•	
O1B14Z 00347		+ 43,	456	TRENCH COST.	
	•	2.7-	7,856	•	
		-			

R- 3 DATE 10/06/86 TIME 10.968

## MAINTENANCE DETAILS

JCVL N AUTHORIZATION NUMBER	P40421		. •
CLASS OF PLANT UNDERGROUND-COND	FIELD CODE 4M		
ITEM DESCRIPTION	QUANTITY	UNIT PRICE	ТИЏОМА
PUHP MANHOLE	4	100.00	400.00
TOTAL HAJOR ITEMS			400.00
TOTAL LABOR			0.
OTHER EXPENDITURES		송시	0.00
TOTAL		4.1	400.00

R- 4 ... [E 10/06/86] TIHE 10.960

#### SUNHARY SHEET AUTH NO.P40421

CLASS	OF	PLANT	GROSS ADDS	PLANT RETIRED	SALVAGE	COST OF REHOVAL	MAIN- TENANCE
	GROU	ND-COND ND-CABL BLE	0 <del>-11200</del> -274400	- 11.	0	0	400 0 0
		<u>-</u>	205600 10000	Ma/er.	of Long	ting	400
TOTAL		0. H	CF 2	90,	40C		
TOTAL FOLB14Z	CONT	TRACT .	\$ <del>-5000</del> 67,	<del>.00</del> 568,7	75		
00349			PLA	C SPLI	C REMOV	ÁL	ong ♥
TOTAL	WORK	STINU	313	.8 0	. 0	•	

GROSS EXPENDITURES \$ 285400. 745,600 NET REQUIREMENTS \$ 285400. 745,600 NET ADDITIONS \$ 285400. 7:5,600



30 West Bay Street

90 350-2413

8ff-1 Southern Bell Tower

ksonville, Florida 32202

J.W. Cearley Engineering Manager Maintenance Engineering C TLB □ BJY 

TSC TSC 

☐ CIRCULATE RET TO HCL

COPY FOR HCI ☐ MAKE COPIES D JLN O FILE

November 28, 1986 File: North FL. LATAs-Networ

Mr. Harold lsgette Engineering Manager Jacksonville, FL.

Mr. Pope Watson Engineering, Manager Savannah, GA.

Dear Sir:

(..

Attached is the design for the Yulee to Georgia Regenerator lightguide systems. A summary of fiber cable specifications is as follows:

Crossection	Length <u>Feet</u>	<u>Splices</u>	Fiber Grade(dB/Km)
Yulee-BNDY (Southside St. Marys	51,435 River)	7	0.45
BNDY-GA Regen	58.104	7	0.45

The length and splice counts were supplied to us by Dave Anderson and Dave Thompson of your organizations. Loss Calculations for measurements are based on 0.45dB/KM for the total route. If the Georgia portion is not 0.45dB/KM or other data listed in this letter is incorrect, plese notify us as soon as possible.

If you have any questions, call W.L. Tinkel at 305-926-8867.

Engineering

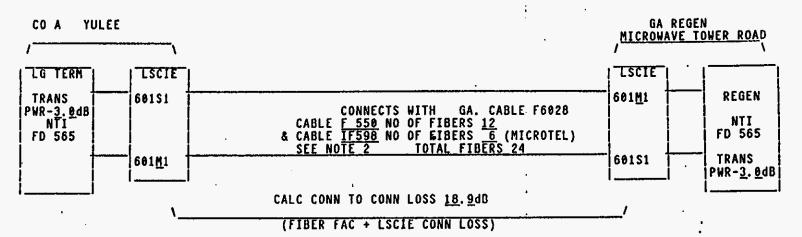
cc: J.C. Miller Harry Young Doug Proctor

WLTFIBERDES

ENGINEERING JKVL. NW GROUP

A BELLSOUTH Company

F01B14Z 00350



<u>MEASUREMENTS</u>							
	TES			<u>1</u> B.			5
	<u> </u>	550 TE	STED BY	<del> </del>	DATE _		
	IE:	ST LIMI	IS 14.4 TO 16.80	1B.			
	<u> </u>		STED BY		DATE		
		CABL	f 550		CABI	E IF 598	ļ .
	NO_	LOSS	ACCEPTED	NO	LOSS	ACCEPTED	Ι.
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CABLE F 550 AVE LOSS OF GOOD FIDERS ABLE 15598 AVE LOSS OF GOOD FIBERS ____ (+_. SYSTEMS SPEC

FIBER SPEC

WAVELENGTH 1310 nm 565 Mb/s BIT RATE

FIBER MANUF LOSS PER KM 0.45dB/KM SPLICE TYPE FUSION

SPAN SPEC

SPAN LENGTH 33.4KM 109.5KF NO OF SPLICES FIBER LOSS CALC

NOTES:

1) THIS IS A 24dB SPAN DESIGN DASED ON THE 1984 ATLANTA L.G. DESIGN RULES FOR FLORDIA.

2) FACILITIES MAKEUP: YULEE TO BNDY (RIVER) 51,435FT WITH 7 SPLICES. 58, 104FT WITH 7 SPLICES. BNDY TO GA REGEN 58,000FT WITH 5 SPLICES.

-6 FIBERS-YULEE TO RIVER (SEE 1F597)
3) LOSS BUDGET ALLOCATIONS: SPL FIBER TOTAL YULEE TO SOUTHSIDE OF ST. MARYS RIVER: 8.45d8 SO. BELL 1.40dB 7.05dB

RIVER TO GA. REGEN MICROTEL

1.25dB 7.07dB 16.77dB TOTAL

LIGHTWAVE FACILITY - NORTH FL YULEE TO GA REGEN

87YULE-GARG

ENGR: WLT ISSUE: 1 DATE: 11-18-86 FLORIDA SWITCHED SERVICES TRANSMISSION

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Jacksonville, Florida February 5, 1987

Ms. Barbara Olsen Cost Manager 666 N. W. 79th Avenue Room 334 Miami, Florida 33126

Attn: Ms. Ann Crossman

Dear Ms. Crossman:

This letter is to request the transfer of \$4,700.00 in charges under the 4C account code of Project 40421 to the 845C account code. If further information or assistance is required, please contact Wayne Wingate at (904) 350-3985. Your help and assistance in this matter is greatly appreciated.

Yours truly

Manager - Engineering

RWW/csw

**(**-



H. C. Isgette, P.E. Engineering Manager Distribution Room 18HH1, Southern Bell Tower 301 W. Bay Street Jacksonville, Florida 32202 (904) 350-2444

February 4, 1987

File Code: P340421

V-6846

Mr. E. Kyle, P.E. Maintenance Engineer Department of Transportation P. O. Box 6884 Jacksonville, Florida 32205

Dear Sir:

Attached is revised construction drawing 3 and permit drawing for work on U.S. 17 north of State Road 200. This revision reflects cut and restore at work locations 7 - 10 of driveways and the west bound access road to State Road 200 as discussed by Mr. Tom Dyal and Wayne Wingate on February 2, 1987.

Wayne can be contacted at 350-3985 if questions arise regarding this request.

Yours truly,

District Engineer-N/W Jacksonville

Rωω Attachments RWW/bb



# Southern Bell

Room 18HH1, Southern Bell Tower 301 W. Bay Street Jacksonville, Florida 32202 (904) 350-2444

January 27, 1987

RE: Northwest Jax. District Notification of Approval Material List/Cable Cutting Length Data Sheet Project: 40421 Estimate: EV-6846

Mr. Jack Lowery Operations Manager Distribution Services N/W Jax. 5209 Timuquana Road Jacksonville, Florida

Dear Mr. Lowery:

H. C. Isgette, P.E. Engineering Manager

Distribution

This letter is to provide notification to your office that Project 340421 has received advanced approval as Estimate V-6846.

Attached is a list of major items of material and Cable Cutting Length Sheets required for this estimate. The Cable should be ordered to ship March II, 1987 in order to meet an "on job" date of March 12, 1987.

Drawings are attached for your review.

Yours truly,

strict Manager N/W Jacksonville

Attachment Kww RWW/csw

cc: Pat Geer J. N. Green Carolyn Strong Patsy Rigdon

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Estimate V.6846 Project 340421 Material List

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Description

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Pigtail, 5'
PID # 221 000 946
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# CONSTRUCTION WORK DRAWING TITLE PAGE

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# Southern Bell

Room 18HH1, Southern Bell Tower 301 W. Bay Street Jacksonville, Florida 32202 (904) 350-2444

Jacksonville, Florida

February 11, 1987

Re: North Jacksonville District
Approval of State Road Permit
J.O. P-40421/V-6846

Mr. Pat Geer
Manager-Construction
9209 Hayden Road
Jacksonville, Florida

Dear Sir:

The attached State Road Permit, Number 2-JU-5678 was approved
Febraury 2, 1987

Please notify the Department of Transportation Maintenance Office at

(904) 786-2510 at least 24 hours in advance of starting the proposed work.

60

This is to be completed within

Yours truly,

Manager-Engineering

(days, weeks) after it has

JNG/bb Attachment

been started.

H. C. Isgette, P.E.

Distribution

Engineering Manager

cc: Job Order File

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February 24, 1987

Re: Northwest Jx. District
Notification of Approval
Material List/Cable Cutting
Length Data Sheet

Project: 40421 Estimate: EV-6846

Mr. Jack Lowry
Operations Manager
Distribution Services N/W Jax.
5209 Timuquana Road
Jacksonville, Florida

Dear Mr. Lowry:

Attached is a revised list of major items of material and cable cutting length sheets required for Estimate V-6846. This material is currently scheduled to ship 5th period in March, 1987.

This change is made to accommodate a recent inquiry regarding 4 fibers for FAA at Hilliard.

Yours trally,

District Engineer-N/W Jacksonville

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Attachment RWW/bb

cc: Pat Geer

J. N. Green Carolyn Strong Patsy Rigdon Nonth West Jax District

Estimate V.6846 Project 340421 Material List

Quantity	Description	FKF
24,170	Fiber Ogtic Cable	435.1
27,265	Ft., NTF-DTRW-24, . 45 dB /Km	654.3

Fibec Optic figtails:
Single Mode NTI, Unjacked
Pigtail, 5, NTI, Unjacked
PID # 221 000 946
DPI # 02 00025

1,125 Ft., 14 Optic Guard Innerduct

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1. N-STALVYN, S-SELF SUPPORTING ALPEIN, T-APPAP, U-ANPASP, AT-AERIAL TAPE ARMON, S-BURIED TAPE ARMON, MG-MP TIED GOPHEN

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1. N-STALVYN, S-SELF SUPPORTING ALPERT TAPE ARMON, MG-MP TIED GOPHEN

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☐ TLB □ BJY ☐ PBF **□** JNG ☐ TSC ☐ REB □ EV6846 NORTH/WEST JACKSONVILLE ☐ CIRCULATE I RET TO HO! CI COPY FOR HOL ☐ MAKE CRPIES ☐ JLN C FILE

Value - Groffer
BID OFFER

W. M. Paris and Associates Henkels and McCoy Inc. Ivy H. Smith Inc. Escoe Green Inc. T. W. Blount Jr. and Son Bell Underground Carl Hankins Inc.
Central Florida Underground Inc.
C.F.W. Construction Co.
Utility Service of Gainesville Inc.
Cherokee Enterprises Inc.
G. H. Skipper inc.

Dear Sir:

(

Attached for your bidding is one copy of the construction drawings and two copies of the bid sheets covering the placing of fiber optic cable on our Estimate EV6846 located in the North/West Jacksonville District.

Please mail your bid in the attached, self addressed envelope in time to reach the Operations Manager's office no later than 9:00 AM Monday, April 6, 1987. Your bid should be submitted in typewritten form so it can be reproduced. Should you desire not to bid on this work, please notify Mr. T. C. Taylor, Operations Manager-I & M Distribution, 301 West Bay Street, Room 16881, Jacksonville, Florida in writing no later than Friday, April 3, 1987.

Materials furnished by the Telephone Company will be located at 9209 Hayden Road in Jacksonville, Florida. Work is planned to begin April 20, 1987 and be completed by May 22, 1987.

If additional information is required concerning this project, please contact Mr. W. P. Geer, Manager - Construction and Cable Repair, at 904-757-5723.

We reserve the right to reject any or all bids.

Yours truly,

A Operations Manager
Distribution Services

cc: Operations Manager-Distribution
Engineering Manager-Distribution

RECEIVED

MAR 1 n 1987

ENGINEERING JKVL. NW GROUP

# THIS PAGE MUST BE SUBMITTED WITH YOUR BID

A copy of the contract on file at the office of the General Manager - Distribution, Jacksonville, Florida, is by reference made a part of this bid package. You are required to review the contract and familiarize yourself with the provisions contained therein prior to submitting your bid.

Your signature on the line below shall certify to Southern Bell that you have reviewed the contract on file and are agreeable to the terms and conditions contained therein should you be awarded the contract.

			•	•		
	• •	•	•		•	
		•	•	(Title)	,	
Date:	· .					

#### EXHIBIT A

CONTRACTORS BID SHEET

**(**-

EV6846

NORTH/WEST JACKSONVILLE

- 1. All city, Florida Department of Transportation, and OSHA traffic control and safety regulations shall be strictly adhered to. Expense of traffic control assistance shall be the responsibility of the contractor doing the placing operations.
- 2. The contractor shall be responsible for locating and protecting all telephone cables, conduit, terminals, closures, and foreign utilities. This includes the excavation and adjustments of telephone cable to permit the placing of cable.
- 3. Placement of cable shall include the removal and replacement of trees, shrubbery, fences, signs, and mail boxes. All debris shall be removed and disposed of in accordance with health, environmental, and city regulations.
- 4. Coordination of all work operations with the Florida Department of Transportation and or city departments, agencies, regulatory boards or representatives shall be the full responsibility of the contractor.
- 5. All items of billing are expected to be discussed and resolved on a daily basis by the contractor and the Telephone Company representative on the job. Any item or items which cannot be resolved at this level shall be directed to the Manager Construction expeditiously. Any unresolved billing, after seven calendar days with no attempt to reconcile between the contractor and the Operations Manager may be considered as other than legitimate.



#### **Bidding Agreements**

#### 1.0 GENERAL

1.01 To attempt to provide "Unit Prices" to cover all possible contract work would result in a voluminous Exhibit "A" that would prove impractical and burdensome to the field forces to check and administer, and to the contractors to submit reasonable and sound bids.

1.02 Exhibit "A" 'Unit Prices" are confined to "Items" requiring appreciable time and cost to the Contractor. All work operations not covered but associated with "Items" provided must be considered as incidental with the cost included in the "Unit Price."

1.03 The Telephone Company will furnish to the Contractor all standard Telephone Catalogue items of material. The "Unit Prices" listed shall exclude the cost of all materials furnished by the Contractor, except the cost for explosives and lumber used as forms, and the Contractor will be compensated for any materials furnished by him on the basis of actual cost (to include sales tax) plus ten (10) percent. Such material costs, including any standard Telephone Catalogue items of material furnished by the Contractor at the request of the Telephone Company, shall be listed on separate Contractor's bills in detail as to kind, quantities and price and associated with the appropriate items of work.

1.04 The materials furnished by the Telephone Company shall be delivered in whole or parts at such time as will not delay the Contractor in his work at a location within reasonable proximity to the work.

1.05 The Contractor shall receipt for and be responsible for proper storage and safeguarding of any material furnished by the Telephone Company and the Contractor shall reimburse the Telephone Company for any losses from damaged, stolen or lost material due to negligence or improper storage or handling. The cost of unloading large shipments of telephone material and delivering to a location within reasonable proximity to the work shall be borne by the Telephone Company. The cost of any storage space for telephone material or watchman service to protect the material delivered to the Contractor and any miscellaneous expense, such as ferry or bridge tolls, police for traffic direction, etc. shall be borne by the Contractor.

#### 2.0 DEFINITIONS

- 2.01 The following definitions apply to the headings of the columns under "Trenched and Plowed" cable or wire.
  - (a) "Total Trench Ft." means the estimated number of trench feet to be required for type of cable or wire.
  - (b) "Total Placed—Cable or Wire Ft." means the estimated number of feet of cable or wire to be paid for at the plowed price, to include all cable and wire reported as material used.

#### 3.0 BIDDING INSTRUCTIONS

3.01 "Unit Prices" shall be secured to cover all items listed in the bid sheets unless it is definitely known that such items will not be encountered and the items will be typed out of the bid sheets.

3.02 Telephone Company Practices provide dimensions for trenches based on depth of trench and types and figures of manholes. Compensation for only the number of cubic feet of rock excavation actually required by such dimensions listed in the practices will be paid by the Telephone Company to the Contractor.

3.03 All buried cable and manholes shall be constructed in full accordance with the instructions contained in Company Practices unless otherwise indicated on detailed plans.

3.04 The "Unit Prices" shall include the cost of any pumping, bracing, sheeting, shoring, or any other measures required in any type soil.

3.05 The "Unit Prices" per trench foot for depth of cover or plowed depth in inches listed under buried cable are maximum depths for such unit prices and the Contractor will be compensated in accordance with the "Unit Prices" for each depth as a maximum and compensation for the next standard depth will be made when a standard depth is exceeded.

i.06 The "Unit Prices" for "Trenched" or "Plowed" buried cable or wire shall apply to all soil conditions and locations of cable or wire except an added charge will be allowed for rock excavation for plowed cable.

3.07 The "Unit Prices" for "Trenched" or "Plowed" cable or wire includes placing all cable and wire in the trench and in handholes or manholes, on poles or buildings and in conduit or pipe protection or other locations.

- 3.08 The Contractor shall be compensated at the "Unit Price" per foot for each plowed foot of cable or wire reported as naterial used except:
  - (a) When two cables are plowed simultaneously, compensation will be paid for each plowed foot for one cable reported as material used and compensation shall be made as an added charge for placing the second cable.
  - (b) When two or more single or multiple pair wires are plowed simultaneously, compensation shall be paid for one half of the reported wire footage.
  - (c) No compensation will be paid for footage of cable or wire reported to an authorization as excess cable or wire to clear reels and junked and so noted on the material report.
  - (d) The "Unit Prices" per foot for plowed cable shall be all inclusive for plowed cable or wire and no additional compensation shall be paid for trenching work required to reach terminals, closures or pedestals or any other associated work unless provided for by "Added Charges."

3.10 The "Unit Prices" for constructing manholes shall include placing all cable racks, pulling-in irons or other equipment required by Company Practices or listed on detail plans.

- 3.11 The Contractor shall be compensated on the basis of Hourly Cost 'Items' for labor and equipment as follows:
  - (a) For the cost of removing stumps, logs or other obstructions not ordinarily encountered in manhole construction.
  - (b) For the cost of any test holes required by the drawings, plans or specifications or performed upon a request by the Telephone Company.
  - (c) For the cost of any excavation that is abandoned due to circumstances and conditions beyond the Contractor's control such as subsurface obstructions, changes in plan, etc.
- 3.12 The cost of removing or rearranging any subsurface structures or other utilities required to provide clearance for manholes shall be paid for by the Telephone Company.

#### 4.0 Surface Removal And Restoration

{

- 4.01 Walkways, driveways and roadways may be composed of various bases and toppings. It is intended to use the appropriate combination of unit prices for the various bases and toppings to conform with the actual bases and toppings removed or restored.
- 4.02 Walkways, driveways and roadways may be composed of various bases and toppings of thicknesses varying from established standards. The "United Prices' listed must be bases on the following agreements.
  - a) That when non-standard thicknesses are encountered in surface removal, the Contractor will be compensated in accordance with the "Unit Prices' listed, for each two inch increment or part thereof for removing surface other than concrete and for each standard thickness or part thereof for removing concrete surface and additional compensation for each one inch increment above ten inches.
  - b) Surfaces will be restored using standard thicknesses.
- 4.03 All surface removal and restoration is to be performed in compliance with City, County, State or Federal requirements and the Telephone Company shall compensate the Contractor in accordance with these requirements and dimensional requirements as specified in Company Practices.
- 4.04 Any surface, sod, or paving that has to be removed and restored because of damage by the Contractor in excess of that required by the above listed regulations or job specification shall be removed and restored at the Contractor's expense.
- 4.05 In those instances where the Contractor is under contract to perform all surface restoration, any temporary resurfacing or re-paving required during the progress of the job shall be included in the "Unit Prices" for surface remova and restoration and no additional compensation shall be allowed the Contractor for such temporary construction.

- (a) That when non-standard thicknesses are encountered in surface removal, the Contractor will be compensated in accordance with the "Unit Prices" listed, for each two inch increment or part thereof for removing surface other than concrete and for each standard thickness or part thereof for removing concrete surface and additional compensation for each one inch increment above ten inches.
- (b) Surfaces will be restored using standard thicknesses.
- 4.03 All surface removal and restoration is to be performed in compliance with City, County, State or Federal requirements and the Telephone Company shall compensate the Contractor in accordance with these requirements and dimensional requirements as specified in Company Practices.
- 4.04 Any surface, sod, or paving that has to be removed and restored because of damage by the Contractor in excess of that required by the above listed regulations or job specification shall be removed and restored at the Contractor's expense.
- 4.05 In those instances where the Contractor is under contract to perform all surface restoration, any temporary resurfacing or re-paving required during the progress of the job shall be included in the "Unit Prices" for surface remove and restoration and no additional compensation shall be allowed the Contractor for such temporary construction.
- 4.06 in those instances where the Contractor is under contract to perform only surface removal and surface restoration will be performed by others, and temporary re-paving or resurfacing is required, it is appropriate that "Unit Prices" for such temporary re-paving and resurfacing be established to cover local requirements.
- 4.07 Any temporary walkways, driveways, bridges, or other temporary construction required for vehicular or pedestrian traffic during the performance of the work herein shall be included in the "Unit Prices" for such work and no additional compensation will be allowed the Contractor for such temporary construction.
- 4.08 The "Unit Prices" for surface restoration shall include the cost of all materials furnished by the Contractor that are not standard Telephone Catalogue Items of material, or provided for by means of separate "Unit Prices" where appropriate.
- 4.09 Removal prices of sod, gravel or crushed rock will apply only when these items are removed and preserved for reuse.

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Size & Type	Trench Ft.	24 In.	30 In.	36 In. 47835	250	300
TF-DTRW-18	48385	ft		47033		·[ <u></u>
		. pr	<u> </u>	<del>-</del>	·	·
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	•	ft FOOT FOR EAC	H DI OUTED FOO	OF CARLE RI	PORTED AS IS	
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		pr				
	or Wire			8	Plowed Cover in	
Cable Size & Type		18 in.	& Price Per Cable	8	Plowed Cover in	inches
	Total Placed	18 in.		8		
	Total Placed	18 in.	24 In.	8		
	Total Placed	18 In.  ft pr ft	24 In.	8		
	Total Placed	18 in.  ft  pr  ft  pr	24 In.	8		
	Total Placed	18 in.  ft  pr  ft  pr  ft	24 In.	8		
	Total Placed	18 in.  ft  pr  ft  pr  ft  pr	24 In.	8		
	Total Placed	18 in.  ft  pr  ft  pr  ft  pr  ft  pr  ft	24 In.	8		
	Total Placed	18 in.  ft pr ft pr ft pr ft pr ft pr ft pr	24 In.	8		
	Total Placed	18 in.  ft pr ft pr ft pr ft pr ft pr ft pr ft pr ft	24 In.	8		
	Total Placed	18 in.  ft pr ft pr ft pr ft pr ft pr ft pr	24 In.	8		

# ADDITIONAL CHARGES FOR ITEMS RELATED TO BURIED CABIE

Unit -	Item Description	No.Units	Per Unit
Each	Furnish and place fiber optic handhole	·1_	
Each	Place concrete marker. Includes placing signs, dril for and placing anchors as required. Anchors to be furnished by contractor.	ling 24	
Each .	Place electronic markers	5	
Lin. Foot	Place 14" innerduct in existing conduit or pipe containing cable. Includes placing cable.	145	
Bored Foot	Bore hole 1 - 3" under roadways or driveways, place 2" B.I.P. [Includes placing cable and innerduct.] Contractor to furnish pipe.	135	
Bored Foot	Bore hole 3 - 5" under roadways or driveways, place 4" B.I.P. lincludes placing cable and innerduct.] Contractor to furnish pipe.	240	
Duct Foot	Place 4" B.I.P. in open trench, includes placing cable and innerduct. Contractor to furnish pipe.	390	
Lin. Foot	Place pulling in rope in existing innerduct, contractor to furnish rope.	. 2100	
Lin. Foot	Place innerduct in existing vacant pipe or conduit. Includes placing cable.	110	
Trench Foot	Each increment of 6 inches or part thereof below 48 inches of trench depth due to obstruction or Trench expected change in elevation for a distance of 10 Foot continuous feet or more	300	
Per Entr.	Opening wall and pointing up (buried cable Entr. entrance—Existing manhole		
Lin. Foot	Plowing second cable or wire simultaneously with first cable (larger diameter cable to be primary Foot cable		

Page Total: \$_____

# SURFACE REMOVAL AND RESTORATION

(	No. Of	Units		Price Per Square Foo	ot
Item Description	Remove	Restore	Remove	Restore	Material
Sod or grass (to include top soil) .	XXXXXXX	700	XXXXXX		
Gravel or Crushed Rock in increments of 2 inches	xxxxxx	6816	xxxxxx		
alt, Blacktop, Macadam or Equiv. In increments of 2 inches	2840	1420			
4 inch Concrete (sidewalk, driveway)	64	64			
6 inch Concrete (sidewalk, driveway)	1596	1596			
8 inch Concrete (roadway, driveway)	100	100	· <del></del>		
10 inch Concrete (roadway, driveway)					
Concrete in increments of 1 • ip-h above 10 inches				<u> </u>	
Reinforcement for above Concrete (Mesh or Equiv.)		<u> </u>			
Conventional seed and mulch (or straw)	xxxxx	48385		·	
Hydro seed	XXXXX		. <del></del>	<u> </u>	
Concrete Curb Only .	10	10			
Concrete Gutter Only	10	10			
Concrete Curb and Gutter (Monolithic Construction)	60	60			
हां nite Curb (Retain and Re-use)		·	. <u></u>		XXXXX
Saw Concrete	130	xxxxx		XXXXX	XXXXX
Saw Asphalt	700	xxxxx		XXXXX	XXXXX .
Grout [1 - 10] Cubic Feet		568	_	Price Per Cu	bic Foot

₹ Total: \$_____

# HOURLY COST ITEMS

#### Labor Items

		Price P	Per Hour
	Type Labor	Regular	Overtime
	Foreman on the Job	13.00	19.50
_	Working Leader/Machine Operator	xxxxx	XXXXX
(	Laborer	10.00	15.00
	EQUI	PMENT ITEMS	•
	Type Equipment		Price Per Hour
	1 Ton Truck or Less		5.50
	1 1/2 Ton to 2 Ton Truck	,	7.50
	1 1/2 Ton to 2 Ton Truck with. Winch		9.50
	Tractor with Semi-Trailer		28.00
	Air Compressor, 1-2 Pneumatic Hammers		12.00
	2-3 Inch Water Pump		5.00
	4 Inch Water Pump	\$	7.00
	Blower (Gasoline or Electric)		3.00
	Pole Trailer or Cable Trailer		6.00
٠.٠ مورد	Trencher—Any Size		28.00
•	Pipe Pusher or Boring Machine	•	35.00
	Tractor (buildozer)		44.00
	Backhoe		35.00
	Hydraulic Pole Truck		25.95
	Motorized Tamper		13.00

	•		
BID SUBMITTED BY:	EXHIBIT "A"	•	Para 6418 Pol. 1967
FIRM (INIT.)	CONTRACTORS BID SHEET	. •	Lote Later tean
By (INIT.)	ONDENGROOMD COMPOST		
į (	1100101 0001 112	CYPENCE TAYES	
UNIT PRICES FOR INSURANCE, I	LABOR TO INCLUDE OVERHEAD, TOOL I	BOR COSTS	
(	TYPE LABOR	Unit Price Regular Time	Per Hour Over- " Time
Foreman, On The Job or Machine	Operator		
Semi-Skilled Labor			
Common Labor			
( IIT PRICES FOR EQUIPME	ENT TO INCLUDE PROFIT AND ALL ASSOC	CIATED OPERATIO	AC COSTS
	TYPE EQUIPMENT		Unit Price Per Hour
% or 1 Ton Truck			
14-Ton Truck			
14 Ton Truck with Winch		·	<u> </u>
Tractor with Semi-Trailer	. `		
· Compressor, 1-2 Pneumatic H	emmer		<u> </u>
2-3 Inch Water Pump			<del> </del>
4 Inch Water Pump			
Blower (Casoline or Electric)		•	
Pole Trailer or Cable Trailer	·	<u>-</u>	
Trench Machine 20 H.P. or Less			
rench Machine 21 H.P. or More			
Pipe Pusher or Boring M chine	Additional Items		<del> </del>
Caterpillar Tractor (Bulldozer)			
Vibratory Tamp			-4-00
I Thracory Tamp with Roll	er	· · · · · · · · · · · · · · · · · · ·	13.00
Front End Loader			25.00
Generator 1500 WATT & Os	ver		

Vehicle Younted Crane

Con	rect	Cost

**(**:-

The Contractor submitting this bid, based on the estimated number of units listed on the bid sheets, estimates the total contract cost to be:

# STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

UTILITY PERMIT

P-40421

DATE	October	16, 1986	(in veniposite with Chepigi Cor. Piolitic Giette	PERMIT NO. 2045678
	:CT: Section	7402Ö	State Road 5 (US 17)	County Nassau
		uthern Bell	Telephone Company	
ADDS	ege 301 W.	Bay St. 18HH	1) SBT Jacksonville, Florida 32	201' Telephone Number _ 350-3985
Reque	ting permission	o from the State	of Florida Department of Transportation, I	nersinafter called the Department, to construct,
- operate	and maintain	buried f	fiber optic telephone cable	
	47.637		737	269
From N	IP/Station COL	mer of SR 5	(US 17) & SR 200 to MP/Station	State Line (St. Marys River)
1.	Proposed wor	k is within carpo	rate limits of a municipality. Yes ( )	No(x)
2.	Applicant dec	lares that prior to	i filing this application he has ascertained tr locations are shown on the sketches.	ne location of all existing utilities, both serial and
	A letter of noti	ification was mail	led on 10/16/86 to the following u	itilitles/municipalities.
•	Nassau	County Engi	neering Department	
		<del></del>		
3. 4.	interstate righ	it-of-way is involved that t	red. Yes ( ) NG ( x)	nly and that the placing of facilities upon public
	property pursi	uant to this permi	it shall not operate to create or vest any pro	perty right in said holder.
5.	Whenever ned	cessary for the c	onstruction, repair, improvement, mainten	ance, safe and efficient operation, alteration or or, Division of Maintenance any or all of said poles.
	wires, pipes, c	cables or other la	scilities and appurtenances authorized here	sunder, shall be immediately removed from said
	highway or res	set or relocated th	ereon as required by the Director, Division o	f Maintenance and at the expense of the permittee
	All more shall	rsement is author	t standards and he performed under the sur	pervision ofE. Kyle P. E.
	Maintenance of	or Residence Eng	pineer, located atJacksonv111e	, Florida, Telephone Number
7.	All materials a	and equipment si	hall be subject to inspection by the Mainten	ance or Resident Engineer. : practical, in keeping with Department specifica-
8.	tions, and in a	n property snan u manner satisfac!	tory to the Department.	blactical, in keeping was paperment and and
9.	All installation	is shall conform t	to the Department's Utility Accommodation	s Guide in effect the date permit is approved.
10. 11.	A sketch cover	ring details of thi	is installation shall be made a part of this pe	rmit. <u>_6N</u> days from the day of said permit approval
•••	and shall be co	ompleted within	60 days. If the beginning date is more	e than 60 days from date of permit approval, then
	permittee mus	st review the per	mit with the D.O.T. Maintenance Engineer	to make sure no changes have occurred in the
12.	The constructi	vouid arrect the p ion and maintent	permitted construction. ance of such utility shall not interfere with t	he property and rights of a prior permittee.
13.				
			NONE	
14,	Special instruc	ctions:,	NONE	<del></del>
				MEGGGGG
15.	It is understoo	d and agreed tha	t the rights and privileges herein set out are	grante con Tomes to bune 1 a right, title
	and interest in	the land to be e	intered upon and used by the holder, and t	(he ho(dè) wii), at all times, as <b>eq-</b> pelalifisz of an
	indenmity, det	lend, and save hal to in any manner	rmiess the State of Figrida and Department in account of the exercise or attempted ex	from and analyst sny and silines, debuge, cost of ercises by said holder of the eforesaid rights and
18.	During constru	uction, all safety f	egulations of the Department shall be obser-	ved and the FOAS INUSTERN MESsures, including ely conduct the public through Abellitoject area in
	accordance w	rith the Departme	ent's Manual on Traffic Controls and Safe	Practices for Street and Highway Construction.
	Maintenance &	and Utility Operat	tions	twenty-four (24) hours prior to starting work and
	again immedia	ately upon compl	letion of work.	
18.	in case of non-	-compliance with	the Department's requirements in effect as	of the approved date of this permit, this permit is
	A		be brought into compliance or removed in 1. Co. 301 W. Bay St. 18HH1 p	
Submit	ted ph: gonci	HELH BELL IE	Permittee	lace Corporate Seal
-	<del>-</del>		2 Grean	and the second second
	() Fact	Sig	gnature and Title ger-Distribution	•
	1) ang I	neering mana	ger-practibacion	Attested
	"Waiverni Cor	(porata Saal on Fi	ile with General Counsel. State of Florida De	partment of Transportation, Tallahassee, Florid
	A			
	Roadway cons	struction is grope	osed or underway, Yes 🖂 Job No.	No ( )
	ntoboseo insu	ensuch is in Scco	Marica with backbackurant a chill's vecol	tust Villey Eng Date 12/3/86
	,	' ATT	DISTRICT PERSIT	
	Approved by	Dist	rict Permit Engineer or Authorized Represe	

FORM 592-03 Page 2 12/83

#### STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

# UTILITY PERMIT FINAL INSPECTION REPORT

DATE	PERMIT NO	D	COUNTY SECTION NO.	
STATE RO	AD NO	COUNTY	CITY	<del></del>
PERMITTE	E		·	
			, , ,	
CITY		STATE	ZIP CODE	·
TELEPHON	IE		•	
			•	•
DAT	E WORK STARTED	<del></del>		
•	E WORK COMPLETED.	"	· · · · · · · · · · · · · · · · · · ·	
INSP	ECTED BY			•
REM	ARKS:			<del></del>
·		<del></del>	<del> </del>	
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			•	
		- <del></del>	•	
			·	
	-			
l the undersig installed in a Accommodat	scordance with the per	at the utility construct rmit requirements and	ion approved by the above numbers d in accordance with the Departn	d permit was nent's Utility
		SIGNED:		
	*	TITLE:		
		DATE: .		
-	RICT MAINTENANCE C			

DEPT. OF TRANS.

DEPT. OF TRANS.

FO1B14Z 00379



H. C. Isgette, P.E. Engineering Manager Distribution Room 18HH1, Southern Bell Tower 301 W. Bay Street Jacksonville, Florida 32202 (904) 350-2444

October 16, 1986 File Code: 1N25

Re: Northwest Jacksonville Nassau County Permit P~40421

Mr. E. Kyle P. E. Maintenance Engineer Department of Transportation P. O. Box 6884 Jacksonville, Florida 32205

Dear Sir:

Attached is a Nassau County Permit and construction drawings concerning work proposed on U.S. 17 between State Road 200 and the St. Marys River for your review. This permit along with the construction drawings were forwarded to the Nassau County Engineering Department on October 16, 1986.

Yours truly,

Engineering Manager

Distribution

Attachment SDW/bb

### NASSAU COUNTY ENGINEERING DEPARTMENT UTILITY PERMIT (In compliance with Chapter 338, Florida Statutes)

P-40421

DA:	TE October 16, 1986	PERMIT NO.
su	BJECT: COUNTY ROAD NO. US 17	BETWEEN
_	SR 200	AND St. Marys River
Red	questing permission from the Nass after called The Department, to c	A. Bay St. 18HH1 SBT Jacksonville, F1. 32201 au County Engineering Department, here- onstruct, operate and maintain
	buried fiber optic telephone cable	<del></del>
fro	om County Road N/A	to County Road N/A
1.	Applicant declares that prior t ascertained the location of all underground.	o filling this application he has existing utilities, both aerial and
	A letter of notification was ma following utilities:	iled on October 16, 1986 to the
	Repartment of Transportation	
2.	use only and that the placing o	this permit is a license for permissive f facilities upon public property pursu- erate to create or vest any property
3.	nance, safe and efficient opera any portion of said highway as all of said poles, wires, cable authorized hereunder, shall be	truction, repair, improvement, mainte- tion, alteration or relocation of all, o determined by the County Engineer, any o s or other facilities and appurtenances immediately removed from said highway or equired by the Engineer, and at the reimbursement is authorized.
4.	All work shall meet Department : supervision of Nassau County En Florida.	standards and be performed under the gineer, located at Fernandina Beach,
5.	All materials and equipment shall county Engineer.	ll be subject to inspection by the
6.		e restored to its original condition as th Department specifications, and in a ctment.
7.	All installations shall conform tion Guide in effect the date pe	to the Department's Utility Accommoda- ermit is approved.
8.	The attached sketch covering de- a part of this permit.	ails of this installation shall be made
9.		ual construction in good faith within said permit approval and shall be days.

F01B14Z 00381

EASTERNATION OF STREET

10.	The construction and maintenance of such utility shall not interfere with the property and rights of a prior permittee.
11.	Special conditions: NONE
•	
••	
	The first of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the
12.	Special Instructions: NONE
	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
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	It is understood and agreed that the rights and privileges herein set out are granted only to the extent of the County's right, title and interest in the land to be entered upon and used by the holder, and the holder will, at all times, assume all risk of and indemnify, defend, and save harmless the County of Nassau and the Department from and against any and all loss, damage, cost or expense arising in any manner on account of the exercise or attempted exercises by said holder of the aforesaid rights and privileges. During construction, all safety regulations of the Department shall be observed and the holder must take such measures, including placing and display of safety devices, as may be necessary in order to safely conduct the public through the project area in accordance with the Department's safety requirements.
14.	The office of the County Engineer named in paragraph six (6) shall be notified twenty-four (24) hours in advance before starting work.
i	In the case of moncompliance with the Department's requirements this permit, is would and the facility will have to be brought into compliance or removed from the right of way at no cost to the Department.  Southern Bell Telt Co. 301 W. Bay St. 18HH1 SBT itted by: Jacksonville, Florida 32201  Permittee
•	Signadure Seal
	£ Engineering Manager-Distribution
	Attested
	way construction is proposed or underway. Yes ( ) No ( ) cosed installation is in accordance with the Department's Accommodation e. Yes ( ) No ( )
Appr	oved by
	County Engineer Date

١.

F01B14Z 00382



H. C. Isgette, P.E. Engineering Manager Distribution

1

Room 18HH1, Southern Bell Tower 301 W. Bay Street Jacksonville, Florida 32202 (904) 350-2444

October 16, 1986 File Code: 6F1.3

Re: Northwest Jacksonville State Road Permit P-40421 - V-6846

Mr. R. L. King
Nassau County Engineer
Rt. 4 Box 171=B
Fernandina Beach, Florida 32034

Dear Sir:

Attached is a copy of the Florida State Road Permit and construction drawings concerning work proposed on State Road 5 (U.S. 17) for your review. This permit along with the construction drawings were forwarded to the Florida Department of Transportation on October 16, 1986.

A BELLSOUTH Company

Yours truly,

Engineering Manager-

Distribution

Attachment SDW/bb

### STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

UTILITY PERMIT

	October 16, 1986 PERMIT NO
<u>_</u>	CT. Section 74020 State Road 5 (US 17) County Nassau
	The state of Company
RM!	
ואר	SS 301 W. Bay St. 18HH1 SET Jacksonville, Florida 32201 Telephone Number 350-3985
due:	iting permission from the State of Florida Department of Transportation, hereinafter called the Department, to construct,
perate	and maintainburied fiber optic telephone cable
	MP/Station corner of SR 5 (US 17) & SR 200 to MP/Station State Line (St. Marys River)
om Y	•
1.	Proposed work is within corporate limits of a municipality. Yes ( ) No (X)
2.	Applicant declares that prior to filing this application he has ascertained the location of all existing utilities, both aerial and underground and the accurate locations are shown on the sketches.
	A letter of notification was mailed on 10/16/86 to the following utilities/municipalities.
	Nassau County Engineering Department
3.	Interstate right-of-way is involved. Yes ( ) No ( x) It is expressly stipulated that this permit is a license for permissive use only and that the placing of facilities upon public
4.	property pursuant to this permit shall not operate to create or vest any property right in said holder.
5	Whenever necessary for the construction, repair, improvement, maintenance, safe and efficient operation, alteration of
-	relocation of all, or any portion of said highway as determined by the Director, Division of Maintenance any or all of said poles,
	wires, pipes, cables or other facilities and appurtenances authorized hereunder, shall be immediately removed from said
	highway or reset or relocated thereon as required by the Director, Division of Maintenance and at the expense of the permittee
	unless reimbursement is authorized.
₽.	All work shall meet Department standards and be performed under the supervision of <u>E. Kyle P. E. 677-77</u> Maintenance or Residence Engineer, located at <u>Jacksonville</u> , Florida, Telephone Number 786-2510-
-	All materials and equipment shall be subject to inspection by the Maintenance or Resident Engineer.
/. A	All Department property shall be restored to its original condition as far as practical, in keeping with Department specifica-
٠.	tions, and in a manner satisfactory to the Department.
9.	All installations shall conform to the Department's Utility Accommodations Guide in effect the date permit is approved.
10.	A sketch covering details of this installation shall be made a part of this permit.
11.	This permittee shall commence actual construction in good faith within60 days from the day of said permit approval
11.	and shall be completed within60days. If the beginning date is more than 60 days from date of permit approval, then
11.	and shall be completed within <u>60</u> days. If the beginning date is more than 50 days from date of permit approval, then permittee must review the permit with the D.O.T. Maintenance Engineer to make sure no changes have occurred in the
	and shall be completed within60days. If the beginning date is more than 50 days from date of permit approval, then permittee must review the permit with the D.O.T. Maintenance Engineer to make sure no changes have occurred in the highway that would affect the permitted construction.
	and shall be completed within60days. If the beginning date is more than 50 days from date of permit approval, then permittee must review the permit with the D.O.T. Maintenance Engineer to make sure no changes have occurred in the highway that would affect the permitted construction.  The construction and maintenance of such utility shall not interfere with the property and rights of a prior permittee.
12.	and shall be completed within60days. If the beginning date is more than 50 days from date of permit approval, then permittee must review the permit with the D.O.T. Maintenance Engineer to make sure no changes have occurred in the highway that would affect the permitted construction.  The construction and maintenance of such utility shall not interfere with the property and rights of a prior permittee.
12. 13.	and shall be completed within60 days. If the beginning date is more than 50 days from date of permit approval, then permittee must review the permit with the D.O.T. Maintenance Engineer to make sure no changes have occurred in the highway that would affect the permitted construction.  The construction and maintenance of such utility shall not interfere with the property and rights of a prior permittee.  Special conditions:  NONE
12. 13.	and shall be completed within 60 days. If the beginning date is more than 50 days from date of permit approval, then permittee must review the permit with the D.O.T. Maintenance Engineer to make sure no changes have occurred in the highway that would affect the permitted construction.  The construction and maintenance of such utility shall not interfere with the property and rights of a prior permittee. Special conditions:
12. 13.	and shall be completed within60 days. If the beginning date is more than 50 days from date of permit approval, then permittee must review the permit with the D.O.T. Maintenance Engineer to make sure no changes have occurred in the highway that would affect the permitted construction.  The construction and maintenance of such utility shall not interfere with the property and rights of a prior permittee.  Special conditions:  NONE
12. 13. 14.	and shall be completed within60days. If the beginning date is more than 50 days from date of permit approval, then permittee must review the permit with the D.O.T. Maintenance Engineer to make sure no changes have occurred in the highway that would affect the permitted construction.  The construction and maintenance of such utility shall not interfere with the property and rights of a prior permittee.  Special conditions:  NONE  Special instructions:  NONE
12. 13. 14.	and shall be completed within 60 days. If the beginning date is more than 50 days from date of permit approval, then permittee must review the permit with the D.O.T. Maintenance Engineer to make sure no changes have occurred in the highway that would affect the permitted construction.  The construction and maintenance of such utility shall not interfere with the property and rights of a prior permittee.  Special conditions:  NONE  Special instructions:  NONE  It is understood and agreed that the rights and privileges herein set out are granted only to the extent of the State's right, title
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FORM 592-03 Page 2 12/85

### STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

### UTILITY PERMIT FINAL INSPECTION REPORT

DATE PER	MIT NO	. COUNTY SECTIO	N NO
STATE ROAD NO.	COUNTY	CITY	
PERMITTEE	· · · · · · · · · · · · · · · · · · ·		· · ·
ADDRESS			
CITY	STATE		ZIP CODE
TELEPHONE	<del></del>		•
			•
DATE WORK START	ED		
DATE WORK COMPL	ETED	<del></del>	
INSPECTED BY	<del></del>	<del></del>	
REMARKS:	<del></del>		·
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	<del></del>		
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			·
I the undersigned do hereby a installed in accordance with Accommodation Guide.	ttest that the utility construction the permit requirements a	ction approved by the ab nd in accordance with	ove numbered permit was the Department's Utility
	SIGNE	D:	
		•	
	DATE:	<del></del>	

DISTRICT MAINTENANCE OFFICE LOCAL MAINTENANCE OFFICE

F01B14Z 00385

MEDI DECENDENTATIFE DISTRICT

ESTIMATE: V4536

Material List

f. C. Isgette
Engineering Manager Distribution





Southern Bell

.410 Highway 19 South

Palatka, Florida October 10, 1985

Mr. J. E. Blitchington
District Manager - Construction
5209 Timuquana Road
Jacksonville, Florida

Dear Sir:

Attached is a revised list of Major Material for Estimate V4536, which received executive approval on July 21, 1985. This list has been revised to order Fiber Cable required in the western portion of the Green Cove Springs and Penney Farms Exchanges.

This estimate provides for placing buried and underground single mode fiber cable from the Orange Park Central Office to the Penney Farms/Keystone Heights exchange boundary. The material for the portion of this estimate from the Green Cove Springs Central Office to the Penney Farms/Keystone Heights exchange boundary should be ordered for a February I ship period.

Angineering Manager - Distribution

TRH/eb

Attachments

CC: Mr. G. Rollins EMPAC Coordinator LM

ESTIMATE	EV4	536
***	• • •	• •

ISSUE NO. .....

DATE OCTOBER 10 1985

### MATERIAL LIST

Item	(a) Original Requirements	(b) Previous Revision(s)	(c) This Revision	r	(a+b+c = d) (d) Present Requirements
CABLE, NTFRTPH30-0*	45,430	_	-		45,430
CABLE, NTFRTPH24-0*	23,530	_	• -		23,530
INNERDUCT, OPTIC-GUARD 11/2*	65,482	-	14,890		80,372
PIGTAIL, NT3E18AB SINGLE-MODE, 5 FT.	<b>-</b>	60	. 30		90
CABLE, NTFDTRH18-0*	-	-	10,798		10,798 -
CABLE, NTFDTRH12-0*	-	· -	34,636		34,636-
CABLE, NTFDTRHO6-0*	-	-	48,819		48,819 ~
INNERDUCT, OPTIC-GUARD 1"*	-	-	5,604		5,604

# * See attached cable cutting length Data Sheets

DTRW.18

FKF	Original Requirements	Previous Revision(s)	This Revision	Present Requirements
PIC S	<del>-</del>		. •	<del>.</del>
PIC NS	1927.1		903.0	2830.1
P&P		·	· · · <u>·</u>	• • • •
TOTAL	1927.1	<u>-</u>	903.0	2830.1

Order Date: October 10, 1985
Ship Date: January 31, 1986

Estimated Start Date: January 31, 1986

F01B14Z 00387

-2.	SAS.	16-7	/11

-2-585 [6-7	🧖 (												.N.O. NO.				
	NORTH FLORIDA					CAB	LE CUTTI	NG "L	ENGT	R.I	REQ. NO.						
STRICT WEST JACKSONVILLE OGRAPHICAL AREA NO.						SOUTHERN BELL TELEPHONE COMPANY  PROJECT NAME LATA/OPERATOR SERVICES TRUNK FIBER CA.  DATE OCTOBER 10.  ASSOCIATED REQ. NO.  W.E. ORDER NO.  EST. XXXXXXXX V4536  DATE OCTOBER 10,1985, HEET 1 OF 2 SHEET											
TOTAL	* CODE OR DWG. NO. INCLUDING OUTER PROT.	<b>1</b> **	No.	OF	TEL.	CO. LENGTH	W.E. CO.		SHIP	WITH PULL-	U.G. BUR.	FKF		FOR TELEPHONE CO. USE			
QUANTITY ORDERED (LINEAR FT.)		GA.	** PAIRS	QUADS.	REEL		AEEL Number	REEL	GAS PRESS	ING	OR AER. USE	PAIRED	QNYDDED	DELIVERY LOCATION (MANHOLE NOS STREET ADDRESS - ETC.)			
10,798	NTFDTRH18-0	<del>                                     </del>		1	15	3189	<del></del>		NO	YES	UG	57.4		LSCIE(GCS) - MHB-6			
	NTFDTRH18-0		<u> </u>		16	3853			МО	YES	UG	69.4		MHB6 - MHOS11			
	NTFDTRH18-0				17	3756			NO	NO	В	67.6		MHOS11 - C16A			
													<u> </u>				
34,636	NTFDTRH12-0				18	6668			NO	МО	В	80.0	<u>l</u>	C16A - W/O ROBERTS RD.			
	NTFDTRH12-0					4154			NO	NO	В	49.8		W/O ROBERTS RD - C315			
	NTFDTRH12-0				20	5967			NO	NO	В	71.6		C315 - W/O GCS/PF EXCH. BOUNDARY			
	NTFDTRH12-0				21	5266			NO	NO	B	63.2	<u> </u>	W/O EXCH. BOUNDARY-W/O PIER STA. RI			
	NTFDTRH12-0				22	5258			NO	NO	В	63.1		W/O PIER STA. 'RD - E/O SAUNDERS RD.			
	NTFDTRH12-0				23	7323		ļ	NO	NO	В	87.9		E/O SAUNDERS RD - CLARK ST.			
48,819	NTFDTRHO6-0	-	ļ	<del> </del>	24	5277		<del> </del>	NO	NO	В	31.7	<del> </del>	CLARK ST W/O KENTUCKY ST.			
		-				1		+	1								

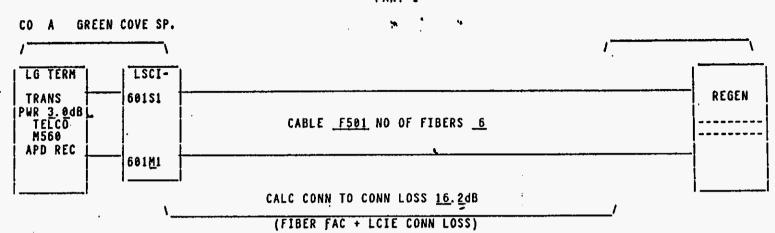
W/O KENTUCKY ST. - BLACK CREEK <u>8326</u> 7835 NO 50.0 NTFDTRH06-0 BLACK CREEK - 2ND. DIRT DR. 47:0 NO NO NTFDTRH06-0 2ND. DIRT RD. - S.R. 21/S.R. 16 NO NO В 41.5 NTFDTRH06-0 6915 S.R. 21/S.R. 16 - LSCIT (WEEKS RD.) 28 NO NO NTFDTRH06-0 В 8062 48.4 LSCIT (WEEKS RD.) - DADE RD. NTFDTRHO6-0 29 7956 NO NO B 47.7 NTFDTRH06-0 4448 26.7 DADE RD - PF/KEY EXCH. BOUNDARY 30 NO NO В F01B 42 8 38 TOTAL 903.0

SYMBOLS FOR USE IN NOTING TYPE OF SHEATH OR PROTECTION: A-ALPETH, C-STA/PETH, D-LEPETH, E-POLYETHYLENE, F-POLYETHYLENE JACKET LEPETH, G-RAP, H-PASP, J-TOLPETH J, K-TOLPETH K, L-PLAIN LEAD, M-ALVYN, N-STALVYN, S-SELF SUPPORTING ALPETH, T-ARPAP, U-ARPASP, AT-AERIAL TAPE ARMOR, BT-BURIED TAPE ARMOR, GT-GOPHER TAPE ARMOR, MP-MP GOPHER PROTECTION, MG-MODIFIED GOPHER TAPE ARMOR, LA-LIGHT WIRE ARMOR, SA-SINGLE WIRE ARMOR, DA-DOUBLE WIRE ARMOR, LJ-JACKETED LIGHT WIRE ARMOR, SJ-JACKETED SINGLE WIRE ARMOR, DJ-JACKETED DOUBLE WIRE ARMOR, UM-UNSOLDERED MECHANICAL.

-2-585 (6-	71)	;	•		Colores X (X	:	•		;	•			3.51	
£ A	NORTH F					CAB	LE CUTTI	NG: L	ENGT	H. DY	TA S	HEET	A . Ri	N.O. NO.
A1210M	WEST JA		SOT	JTHERN BEL	L		ia Viare	ASSOCIATED REQ. NO.						
OGRAPHICAL	WEST JA				PROJ	ECT NAME	LATA/OPE	RATOR	SERV	ICES	TRUN	K FIBER	CA. E	.е. order no. st. <b>ЖЖЖЖЖЖЖ</b> V4536 ste <u>OCTOBER 10,1985</u> sheet <u>2 of 2</u> sheets
TOTAL	* CODE OR DWG. NO.	**	NO,	o r	TEL.	REEL LENGTH	W.E. CO.		UNDER	KT IW	BUR.	MaGaFa		FOR TELEPHONE CO. USE
ORDERED (LINEAR FT.)	INCLUDING OUTER PROT.	GA.	PAIRS	QUADS.	REEL NO.	LENGTH LINEAR FEET	. REEL Number	REEL	GAS PRESS.	EYE	OR AER, USE	PAIRED	QUADDED	DELIVERY LOCATION (MANHOLE NOS STREET ADDRESS - ETC.)
14,890	OPTIC-GUARD 14	1			15A	3070_	<u> </u>							GCS CO - MHB6
					15B	3070								CCS CO - MHB6
					16A	3800								MHB6 - MHOS11
					16B	3800								MHB6 - MHOS11
					_31	1150								MHB6 - MHOS11 MISC 14"INNERDUCT S.R. 16
5,604	OPTIC-GUARD 1"				32	5604				·				MISC 1" INNERDUCT S.R. 16 & S.R. 21
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TOTAL

^{*} SYMBOLS FOR USE IN NOTING TYPE OF SHEATH OR PROTECTION: A-ALPETH, C-STA/PETH, D-LEPETH, E-POLYETHYLENE, F-POLYETHYLENE JACKET LEPETH, G-RAP, H-PASP, J-TOLPETH J, K-TOLPETH K, L-PLAIN LEAD, M-ALYYN, N-STALVYN, S-SELF SUPPORTING ALPETH, T-ARPASP, AT-AERIAL TAPE ARMOR, BT-BURIED TAPE ARMOR, GT-GOPHER TAPE ARMOR, MP-MP GOPHER PROTECTION, MG-MODIFIED GOPHER TAPE ARMOR, LA-LIGHT WIRE ARMOR, SJ-JACKETED SINGLE WIRE ARMOR, DJ-JACKETED DOUBLE WIRE ARMOR, LD-JACKETED LIGHT WIRE ARMOR, SJ-JACKETED SINGLE WIRE ARMOR, DJ-JACKETED DOUBLE WIRE ARMOR,



**MEASUREMENTS** 

TESTED BY ____ DATE ___-_

I NO	LOSS	1_BW_1	ACCEPTED	NO	LOSS	BW I	ACCEPTED
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2	,-			26			
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AVG LOSS OF GOOD FIBERS __, __+__ dB

SYSTEMS SPEC

FIBER SPEC

WAVELENGTH 1300 nm F BIT RATE 560 Mb/s F WDM ____

FIBER MANUF NT FIBER GRADE LOSS PER KM 0.45dB/KM

SPAN SPEC

SPAN LENGTH 24.5KM 80.5KF NO OF SPLICES 16 14.2dB

NOTES:

F01B14Z 00390

FROM CABLE F581 NO OF FIBERS 6

CO B KEYSTONE HTS

LSCE- LG TERM

601M1 APD REC

TELCO
M560

601S1 TRANS
PWR 3.0dB

CALC CONN TO CONN LOSS 17.0 dB

(FIBER FAC + LCIE CONN LOSS)

**MEASUREMENTS** 

TESTED BY ____ DATE __-_-

NO	LOSS	BW	ACCEPTED	NO	LOSS	BW	ACCEPTED
1	,-			25			
2				26			
3				27			
4				28			
5				29			
6	,-			30	,-		
7	,-			31			
8	,-			32	,-		
9	,-			33	,-		
10	,-			34			
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AVG LOSS OF GOOD FIBERS __. _+_. _dB

· SYSTEMS SPEC

FIBER SPEC

WAVELENGTH 1300 nm FIBER MANUF NT FIBER GRADE LOSS PER KM 0.45dB7KM

SPAN SPEC .

SPAN LENGTH 24.8KM 81.5KF NO OF SPLICES 19 FIBER LOSS CALC 15.6dB

NOTES:

LIGHTWAVE FACILITY - NF. EAST

GREEN COVE SP. TO KEYSTONE HTS;
86GCSP-KYHG

ENG: WLT ISSUE 1 DATE: 7/11/85 FLORIDA SWITCHED SERVICES TRANSMISSIONS

MEDI WAY POUNTIFF DISTRICT

ESTIMATE: V4536

Material List

H. C. lagette Engineering Manager -Distribution

#### Southern Bell

410 Highway 19 South

Palatka, Florida October 10, 1985

Mr. J. E. Blitchington
District Manager - Construction
5209 Timuquana Road
Jacksonville, Florida

Dear Sir:

Attached is a revised list of Major Material for Estimate V4536, which received executive approval on July 21, 1985. This list has been revised to order Fiber Cable required in the western portion of the Green Cove Springs and Penney Farms Exchanges.

This estimate provides for placing buried and underground single mode fiber cable from the Orange Park Central Office to the Penney Farms/Keystone Heights exchange boundary. The material for the portion of this estimate from the Green Cove Springs Central Office to the Penney Farms/Keystone Heights exchange boundary should be ordered for a February I ship period.

Engineering Manager Distribution

TRH/eb

Attachments

CC: Mr. G. Rollins
EMPAC Coordinator
LM

JOB ORD	<u>er</u>
ESTIMAT	E EV4536
ISSUE N	03
DATE	OCTOBER 10, 1985

#### MATERIAL LIST

Item	(a) Original Requirements	(b) Previous Revision(s)	(c) This Revision	(a+b+c = d) (d) Present Requirements
CABLE, NTFRTPH30-0*	45,430	_	<del>-</del>	45,430
CABLE, NTFRTPH24-0*	23,530	-		23,530
INNERDUCT, OPTIC-GUARD 11/2*	65,482	-	14,890	80,372
PIGTAIL, NT3E18AB SINGLE-MODE, 5 FT.	-	60	30	90
CABLE, NTFDTRH18-0*	-	-	10,798	10,798
CABLE, NTFDTRH12-0*	<u>-</u>	· -	34,636	34,636
CABLE, NTFDTRH06-0*	-	· <del>-</del>	48,819	48,819
INNERDUCT, OPTIC-GUARD 1"*	-	-	5,604	5,604

FKF.	Original Requirements	Previous Revision(s)	This Revision	Present Requirements
PIC S		<del>.</del>	<del></del>	<del>-</del>
PIC NS	1927.1	· <u>· · · · · · · · · · · · · · · · · · </u>	903.0	2830.1
P&P	·			· · · · · · · · · · · · · · · · · · ·
TOTAL	1927.1		903.0	2830.1

Order Date: October 10, 1985
Ship Date: January 31, 1986

Estimated Start Date: January 31, 1986

F01B14Z 00393

^{*} See attached cable cutting length Data Sheets

SD	-2-	565	i (1	6 -	71	١

	•	A.N.O. NG
AREA NORTH FLORIDA	CABLE CUTTING LENGTH DATA SHEET	REQ. NO.
DIVISION WEST JACKSONVILLE  GEOGRAPHICAL AREA NO.	SOUTHERN BELL TELEPHONE COMPANY PROJECT NAME LATA/OPERATOR SERVICES TRUNK FIBER CA.	W.E. ORDER NO.  EST. WASSELEN V4536  DATE October 10,1985 HEET 1 OF 2 SHEE

GEOGRAFIIOAL	77127			•									D.A.	TE October 10,1985 HEET 1 OF 2 SHEETS
TOTAL QUANTITY	* CODE OR	**	жо.	0 F	TEL.	REEL LENGTH	W.E. CO.	•	SHIP	WITK PULL-	U.G. BUR.	F	KF	FOR TELEPHONE CO. USE
ORDERED (LINEAR FT.)	INCLUDING	GA.	** PAIRS	QUADS.	REEL NO.	LINEAR FEET	REEL Number	REEL	GAS PRĘSS.	I NG EYE	OR AER. USE	PAIRED	<b>GNY DD ED</b>	DELIVERY LOCATION (MANHOLE NOS STREET ADDRESS - ETC.)
10.798	NTFDTRH18-0	1			15	3189			NO	YES	UG	57.4		LSCIE(GCS) - MHB-6
	NTFDTRH18-0				16	3853			NO	YES	UG	69.4		MHB6 - MHOS11
	NTFDTRH18-0				17	3756			NO	NO	В	67.6		MHOS11 - C16A
			1											
34,636	NTFDTRH12-0				18	6668		}	ИО	МО	В	80.0		C16A - W/O ROBERTS RD.
	NTFDTRH12-0	1				4154			NO	NO	В	49.8		W/O ROBERTS RD - C315
	NTFDTRH12-0				20	5967			NO	ИО	В	71.6		C315 - W/O GCS/PF EXCH. BOUNDARY
	NTFDTRH12-0				21	5266			NO	NO	В	63.2		W/O EXCH. BOUNDARY-W/O PIER STA. RI
	NTFDTRH12-0				22	5258			NO	NO	В	63.1		W/O PIER STA. RD - E/O SAUNDERS RD.
	NTFDTRH12-0				23	7323			МО	ЙО	В	87.9		E/O SAUNDERS RD - CLARK ST.
48,819	NTFDTRH06-0				24	5277		l	NO	NO	В	31.7		CLARK ST W/O KENTUCKY ST.
<u> </u>	NTFDTRH06-0				25	8326	•		NO	NO	В	50.0		W/O KENTUCKY ST BLACK CREEK
	NTFDTRH06-0				26	7835		<u> </u>	NO	NO	В	47:0		BLACK CREEK - 2ND. DIRT DR.
	NTFDTRH06-0				27	6915		l	NO	NO	В	41.5		2ND. DIRT RD S.R. 21/S.R. 16
	NTFDTRHO6-0	1		, ,	28	8062			NO	NO	В	48.4		S.R. 21/S.R. 16 - LSCIT (WEEKS RD.)
	NTFDTRH06-0				29	7956			NO	NO	В	47.7		LSCIT (WEEKS RD.) - DADE RD.
	NTFDTRH06-0	1			30	4448			ИО	ИО	В	26.7		DADE RD - PF/KEY EXCH. BOUNDARY
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			<del></del>								TOTAL	903.0		

SYMBOLS FOR USE IN NOTING TYPE OF SHEATH OR PROTECTION: A-ALPETH, C-STA/PETH, D-LEPETH, E-POLYETHYLENE, F-POLYETHYLENE JACKET LEPETH, G-RAP, H-PASP, J-TOLPETH J, K-TOLPETH X, L-PLAIN LEAD, M-ALVYN, N-STALVYN, S-SELF SUPPORTING ALPETH, T-ARPAP, U-ARPASP, AT-AERIAL TAPE ARMOR, BT-BURIED TAPE ARMOR, GT-GOPHER TAPE ARMOR, MP-MP GOPHER PROTECTION, MG-MODIFIED GOPHER TAPE ARMOR, LA-LIGHT WIRE ARMOR, SA-SINGLE WIRE ARMOR, DA-DOUBLE WIRE ARMOR, LJ-JACKETED LIGHT WIRE ARMOR, SJ-JACKETED SINGLE WIRE ARMOR, DJ-JACKETED DOUBLE WIRE ARMOR,

	NORTH 1	LOR	IDA			CAD	LE CUTTI	NC I	ENGT		TAC	UEET	Å	•N•O• NO• 7		
REA	WEST JA					CAD	FE COLLI	NG L	ENGI	H UA	IIA S	HEEI	R .	EQ. NO		
IVISION	WEST JA	CKS	ONVILL	E	•	SOT	JTHERN BEL	L		TCIC	DHON	IE COMS	4 VIAAC	ASSOCIATED REQ. NO.		
STRICT				<del></del>			T.ATA/OPE	RATOR	SERV	TCES	rnun Iniini	K PTRER	CA.	LE. ORDER NO. V4536		
OGRAPHICAL	. AREA NO				PROJ	ECT NAME							E	.E. ORDER NO.  ST. XKXXXXX V4536  ATE OCTOBER 10, 1985 SHEET 2 OF 2 SHEET		
TOTAL QUANTITY	* CODE OR DWG. NO.	**	NO.	OF	TEL.	REEL LENGTH	W.E. CO		SHIP	WITH PULL-	U.G. BUR.	M.C	.F.	FOR TELEPHONE CO. USE		
ORDERED LINEAR FT.		GA.		QUADS.	REEL	LINEAR FEET	REEL Number	REEL COOE	GAS PRESS.	ING .	OR AER. USE	PAIRED	QUADDED	· · · · · · · · · · · · · · · · · · ·		
14,890	OPTIC-GUARD 13	1			15A	3070								GCS CO - MHB6		
	1				15B	3070								GCS CO - MHB6		
		Î			16A	3800								MHB6 - MHOS11		
					16B	3800								MHB6 - MHOS11		
						1150		ļ						MHB6 - MHOS11 MISC 1½"INNERDUCT S.R. 16		
			ļ	ļ												
5,604	OPTIC-GUARD 1"		<b> </b>	ļ	32	5604		<del> </del>				<u> </u>	ļ	MISC 1" INNERDUCT S.R. 16 & S.R. 21		
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TOTAL

^{*} SYMBOLS FOR USE IN NOTING TYPE OF SHEATH OR PROTECTION: A-ALPETH, C-STA/PETH, D-LEPETH, E-POLYETHYLENE, F-POLYETHYLENE JACKET LEPETH, G-RAP, H-PASP, J-TOLPETH J, K-TOLPETH K, L-PLAIN LEAD, M-ALVYN, N-STALYYN, S-SELF SUPPORTING ALPETH, T-ARPAP, U-ARPASP, AT-AERIAL TAPE ARMOR, BT-BURIED TAPE ARMOR, GT-GOPHER TAPE ARMOR, MP-MP GOPHER PROTECTION, MG-MODIFIED GOPHER TAPE ARMOR, LA-LIGHT WIRE ARMOR, SA-SINGLE WIRE ARMOR, DJ-JACKETED DOUBLE WIRE ARMOR, LJ-JACKETED LIGHT WIRE ARMOR, SJ-JACKETED SINGLE WIRE ARMOR, DJ-JACKETED DOUBLE WIRE ARMOR, UM-UNSOLDERED MECHANICAL.

WEST JACKSONVILLE DISTRICT

PROJECT: 43836 ESTIMATE: V4536 Material List

H. C. Isgette Engineering Manager -Distribution

410 Highway 19 South

Palatka, Florida September 9, 1985

Mr. J. E. Blitchington
District Manager - Construction
5209 Timuquana Road
Jacksonville, Florida

Dear Sir:

Attached is a revised list of Major Material for Estimate V4536, which received executive approval on July 21, 1985. This list has been revised to order Fiber Pigtails.

This estimate provides for placing aerial and underground single mode fiber cable from the Orange Park Central Office to the Penney Farms/Keystone Heights exchange boundary. The material for the portion of this estimate from the Orange Park Central Office to the Green Cove Springs Central Office should be ordered for a January I ship period. The remaining cable will be ordered at a later date.

Engineering Manager

Distribution

TRH/eb

Attachments

CC: Mr. G. Rollins EMPAC Coordinator LM

ISSUE NO. 2

DATE · SEPTEMBER 9, 1985

MATERIAL LIST ·

<u> </u>	(a) Original Requirements	(b) Previous Revision(s)	(c) This Revision	(a+b+c = d) (d) Present Requirement:
CABLE, NTFRTPH30-0*	45,430	-	-	45,430
CABLE, NTFRTPH24-0*	23,530	_	-	23,530
INNERDUCT, OPTIC-GUARD 14*	65,482	-	-	65,482
PIGTAIL, NT3E18AB	-	-	60	. 60

MCF·	Original Previous This Revision Revision	Present Requirement
PIC S	. <del>-                                   </del>	
PIC NS	1927.1	1927.1
P&P		
TOTAL .	1927.1	1927.1
-		

Order Date: August 20, 1985
Ship Date: January 2, 1986

Estimated Start Date: January 2, 1986

F01B14Z 00397

GEOGRAPHICAL AREA NO. -

		•	
AREA	NORTH	FLORIDA	
AREA	NORTH		
D. 070407	WEST .	JACKSONVILLE	

#### CABLE CUTTING LENGTH DATA SHEET

SOUTHERN BELL	TELEPHONE	COMPANY
PROJECT NAME LATA/OPERATOR		

A.N.O. NO	
REQ. NO	
ASSOCIATED REQ. HO.	
W.E. ORDER NO.	
EST. NKXNKXNX V4536	

~													0.4	TE AUGUST 13, 1985 SHEET 1 0F 2
LATOT YT ITRAUP	* CODE OR OWG. NO.	**	NO.	OF	TEL.	REEL	W.E. CO	•	SHIP	WITH PULL-	U.G. BUR.	FK	F	FOR TELEPHONE CO. USE
ORDERED (LINEAR FT.)	INCLUDING	GA .	**	QUADS.	Deei	LINEAR	REEL NUMBER	REEL COOE	GAS PRESS.	1 MG	OR AER. USE	PAIRED	QUADDED	DELIVERY LOCATION (MANHOLE NOS STREET ADDRESS - ETC.)
45,406	NTFRTPH30-0				1	3060	•		NO	NO	UG	91.8		LSCIE (OR PK) - MH073
	NTFRTPH30-0				2	2880			NO	NO	UG	86.4		MH073 - MH077
	NTFRTPH30-0				3	3314			NO	NO	UG	99.4		мн077 - мн080
	NTFRTPH30-0				4	3818		<u> </u>	NO	NO	UG	114.5		MH080 - MH084
	NTFRTPH30-0				5	3932		]	NO	NO	UG	118.0		MH084 - MH088
	NTFRTPH30-0				6_	3605			NO	NO	UG	108.2		MH088 - MH092
	NTFRTPH30-0				7	4415			ИО	МО	UG	132.5		мно92 – мно97
	NTFRTPH30-0				11	8050			NO	NO	В	240.8		MHNIA - S.R. 15 N/O SHEDD RD.
	NTFRTPH30-0				12 (	6802			NO	NO	В	204.1		N/O SHEDD RD - MHM.2
	NTFRTPH30-0				13	3382		Ţ.,	NO	NO	UG	101.5		MHM.2 - MHP5
	NTFRTPH30-0				14_	2172			NO	NO	UG_	65.2		MHP5 - LSCIE (GCS)
					,			1						
23,530	NTFRTPH24-0	]			8	7930		Ī	NO.	NO	В	190.3		MHO97 - S.R. 15 N.O WATEROAK
-	NTFRTPH24-0				9 /	8072	\		NO	NO	В_	193.7		S.R. 15 N/O WATEROAK - S.R. 1
						•	]		1					N/O FLEMING
	NTFRTPH24-0	1-			10	7528	/		МО	NO	В	180.7		S.R. 15 N/O FLEMING - MHN1A
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SYMBOLS FOR USE IN NOTING TYPE OF SHEATH OR PROTECTION: A-ALPETH, C-STA/PETH, D-LEPETH, E-POLYETHYLENE, F-POLYETHYLENE JACKET LEPETH, G-RAP, H-PASP, J-TOLPETH J, K-TOLPETH X, L-P LEAD, M-ALVYN, N-STALVYN, S-SELF SUPPORTING ALPETH, T-ARPAP, U-ARPASP, AT-AERIAL TAPE ARMOR, BT-BURIED TAPE ARMOR, GT-GOPHER TAPE ARMOR, MP-MP GOPHER PROTECTION, MG-MODIFIED GOPH TAPE ARMOR, LA-LIGHT WIRE ARMOR, SA-SINGLE WIRE ARMOR, DA-DOUBLE WIRE ARMOR, LJ-JACKETED LIGHT WIRE ARMOR, SJ-JACKETED SINGLE WIRE ARMOR, DJ-JACKETED DOUBLE WIRE ARMOR,

1051	NORTH FLORIDA	
DIVISION.	NORTH	_
DISTRICT	WEST JACKSONVILLE	
or occupant		

#### CABLE CUTTING LENGTH DATA SHEET

	SOUTHERN	BELL	TELEP	HONE	COMPA	ΝY
PROJECT HAME						

A.N.O. NO	
REQ. NO.	<del></del>
ASSOCIATED REQ. NO.	
W.E. ORDER HO. V-4536	<del></del>
EST. XXXXXXXXX V-4336 AUGUST 13.1985 surer 2	
ALL AUGUST 13.1985 august 2	ns 2

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TOTAL	* CODE OR DWG. NO.	**	NO.	0 F	TEL. CO.	REEL	W.E. CO.	<u> </u>		WITH PULL-	U.G. BUR.	M.C.	F.	FOR TELEPHONE CO. USE
ONDERED (LINEAR FT.)	I NCT UNING	GA.	** PAIRS	QUADS.	REEL NO.	LINEAR FEET	REEL Number	REEL	GAS PRESS.	EYE	OR AER. USE	PAIRED	QUADDED	DELIVERY LOCATION (MANHOLE NOS STREET ADDRESS - ETC.
65482	DPTIC-GUARD 1½				1A	2958								OR. PK. CO MH073
				l	1B	2958								OR. PK. CO MH073
<u> </u>					2A	2840								MHO73 - MHO77
					_2B_	2840								МН073 - MH077
				<u> </u>	3 <u>A</u>	3274								MH077 - MH080
						3274								MH077 - MH080
					_4A_	3783	· · · · · · · · · · · · · · · · · · ·						<u> </u>	мново - мнов4
					_4B_	3783							ļ	мн080 - мн084
				[	_5A_	3902			<u> </u>					мно84 - мно88
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						3555	<del></del>		ļ				ļ	мн088 - мн092
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				ļ <u> </u>	<u>7B</u>	4385		ļ				ļ		MH092 - MH097
			· ·		10A	1550						ļ		MHN2 - MHN1A
				<u> </u>		1550			ļ					MHN2 - MHN1A
				ļ	13A	3342			<u> </u>				ļ <u>.</u> .	MHM2 - MHP5
				<u>                                     </u>	<u>13B</u>	3342			ļ			ļ	ļ	мнм2 - мнР5
ļ						1952	<del></del>							MHP5 - CCS CO
<b> </b>						1952	· 	ļ	<u> </u>			<u> </u>		MHP5 - GCS CO
ļ	<u> </u>				8A	2400		ļ <u></u>	<u> </u>			<u></u>		MISC INNERDUCT S.R. 15
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PROJECT: 43836

H. C. Isgette District Manager -Engineering

Southern Bell
410 Highway 19 South

Palatka, Florida August 20, 1985

Mr. J. E. Blitchington
 District Manager - Construction
 5209 Timuquana Road
 Jacksonville, Florida

Dear Sir:

Attached is a list of Major Material for Estimate V4536, which received executive approval on July 21, 1985.

This estimate provides for placing aerial and underground single mode fiber cable from the Orange Park Central Office to the Penney Farms/Keystone Heights exchange boundary. The material for the portion of this estimate from the Orange Park Central Office to the Green Cove Springs Central Office should be ordered for a January I ship period. The remaining cable will be ordered at a later date.

District Manager -Engineering

Yours trul

TRH/eb

Attachments

CC: Mr. G. Rollins
EMPAC Coordinator
LM

A # Tall SOUTH Company

*** ***	
ISSUE NO. 1	
DATE: A. A. See DO 11085	•

ESTIMATE E4536

#### MATERIAL LIST

Item	(a) Original Requirements	(b) Previous Revision(s)	(c) This Revision	(a+b+c = d) (d) Present Requirement
CABLE, NTFRTPH30-0*	45,430	-	-	45,430
CABLE, NTFRTPH24-0*	23,530	-	<b>-</b> . ·	23,530
INNERDUCT, OPTIC-GUARD 11/2*	65,482	_	-	65,482

MCF.		Original Previous This Requirements Revision Revision	Present Requirement
PIC S		· · · · · · · · · · · · · · · · · · ·	· . <u></u>
PIC NS		1927.1	··· <u>··1927.1</u> ···
P&P	`.	· · · · · · · · · · · · · · · · · · ·	<del></del>
TOTAL		1927.1	1927.1

Order Date: August 20, 1985
Ship Date: January 2, 1986
Estimated Start Date: January 2, 1986

GEOGRAPHICAL AREA NO. -

1951		FLORIDA	•
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NI 0 TO 1 CT _	WEST	JACKSONVILLE	
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#### CABLE CUTTING LENGTH DATA SHEET

SOUTHERN	BELL	TEL	EPHON	E COMP	A N'i
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DATE AUGUST 17, 190 SHEET 1 01														
TOTAL	* CODE OR DWG. NO.	**	NO.	OF	TEL.	REEL LENGTH	W.E. CO.		SHIP	WITH PULL-	U.G. BUR.	FKI	~	FOR TELEPHONE CO. USE
ORDERED (LINEAR FT.)	I INCLUDING	GA.	** PA I R S	QUADS.	REEL NO.	LINEAR FEET	REEL Number	REEL	GAS PRESS.	EYE	OR AER. USE	PAIRED	ONYDOED	DELIVERY LOCATION (MANHOLE NOS. — STREET ADDRESS — ETC.)
45,406	NTFRTPH30-0				1	3060			NO	NO	UG	91.8		LSCIE (OR PK) - MHO73
	NTFRTPH30-0					2880			NO	МО	UG	86.4		мн073 - мн077
	NTFRTPH30-0				3	3314			NO	NO	UG	99.4		мн077 - мн080
	NTFRTPH30-0				4	3818			ИО	NO	UG	114.5		MH080 - MH084
	NTFRTPH30-0					3932			NO	NO	UG	118.0		мно84 - мно88
	NTFRTPH30-0	1				3605			NO	NO		108.2		мно88 - мно92
	NTFRTPH30-0					4415			NO	МО		132.5		мно92 - мно97
	NTFRTPH30-0				11	8050			NO	NQ	В	240.8		MHNIA - S.R. 15 N/O SHEDD RD.
	NTFRTPH30-0				12	6802			NO	NQ	В	204.1		N/O SHEDD RD - MHM.2
	NTFRTPH30-0					3382			NO	NO	UG	101.5		MHM.2 - MHP5
	NTFRTPH30-0					2172			NO	МО	UG_	65.2		MHP5 - LSCIE (GCS)
		.		ļ					<u> </u>					
	NTFRTPH24-0					7930_			NO	NO		190.3_		MHO97 - S.R. 15 N.O WATEROAK
-	NTFRTPH24-0		<u>.                                    </u>		9	8072		<u></u> .	NO	NO	B	193.7		S.R. 15 N/O WATEROAK - S.R. 15
]		<u> </u>		<u> </u>				<u> </u>	<u> </u>				ļ	N/O FLEMING
<b> </b>	NTFRTPH24-0	.			10	7528			NO	NO	_B_	180.7		S.R. 15 N/O FLEMING - MHN1A
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H											TOTAL	1927.1	1	<u></u>

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GEOGRAPHICAL AREA NO. -

AREA	NORTH FLORIDA
DIVISION	NORTH
DISTRICT	WEST JACKSONVILLE

#### CABLE CUTTING LENGTH DATA SHEET

	SOUTHERN	BELL	r ELEPHONE	COMPANY
PROJECT NA	ME LATA/OPER		VICES TRUNK	

A.N.O. NO	
REQ. NO.	. <u></u>
ASSOCIATED REQ. NO	
W.E. ORDER NO.	
W.E. ORDER NO. V-4536 EST. XXXXXXXXX V-4536	<del> </del>
Atticitem 12 1985 2	7

TOTAL * CODE OR NO. OF TEL. REEL W.E. CO. SHIP WITH U.G. M.C.F. FOR TELEPHONE CO. USE UNDER PULL—BUR.	<u> </u>		<del>,</del>	·		,— <u>—</u>								D.	ATE AUGUST 13, 1985 SHEET 2 OF 2	
Control   Paris   Control   Paris   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control	QUARTITY	OWG. NO.		NO.	OF	co.	LENGTH	W.E. CO.				BUR.	M.C.			
1	(LINEAR FT.)	INCLUDING OUTER PROT.	GA.		QUADS.				CODE	GAS PRESS.	EYE	AER.	PAIRED	QUADOED	DELIVERY LOCATION (MANHOLE NOS STREET ADDRESS - ETC.)	
2A 2840   Mi073 - Mi077	65482	PTIC-GUARD 14	<b> </b>												OR. PK. CO MH073	
28 2840			_	<u> </u>	<b> </b>			<del></del>	<u> </u>	ļ		<u> </u>		ļ	OR. PK. CO MIO73	
3A 3274   MIO77 - MIO80	<del></del>		├	[ <del></del> -	<del> </del>				ļ	<del> </del>					<u> MH073 – MH077</u>	
3B 3274	[	<u> </u>		<b> </b>	<del> </del>				<b></b>	<b></b>	<b>!</b>	\—		<u> </u>		
4A 3783	<del></del>	<u> </u>			<b> </b>	3 <u>A</u>	32/4		<u> </u>	<u> </u>						
4B   3783   Mi080 - Mi084     5A   3902   Mi086 - Mi088     5B   3902   Mi086 - Mi088     6A   3555   Mi088 - Mi092     6B   3555   Mi088 - Mi092     77   4385   Mi092 - Mi097     78   4385   Mi092 - Mi097     10A   1550   Min2 - Min3     10B   1550   Min2 - Min3     13B   3342   MiM2 - MiP5     14A   1952   MiP5 - CCS CO     14B   1952   MiP5 - CCS CO     8A   2400   MISC INNERDUCT S.R. 15	<del></del>	<del></del>	ļ	<del></del>				· · · · · · · · · · · · · · · · · · ·	<del> </del>						M1077 - M1080	
SA 3902   MH084 - MH088   MH084 - MH088   MH084 - MH088   MH084 - MH088   MH084 - MH088   MH084 - MH088   MH084 - MH089   MH088 - MH092   MH088 - MH092   MH088 - MH092 - MH097   MH092 - MH097   MH092 - MH097   MH092 - MH097   MH092 - MH097   MH092 - MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH091   MH092 - MH092   MH092 - MH092   MH092 - MH092   MH092 - MH092   MH	<del></del>	<u> </u>	<b> </b>	ļ	<del> </del>			<del></del>	<del> </del>	<del></del>		ļ				
SB   3902   Mi1084 - Mi1088   Mi1088 - Mi1092			-						<del> </del>						<del></del>	
6A 3555   MH088 - MH092     7A 4385   MH092 - MH097     7B 4385   MH092 - MH097     10A 1550   MH092 - MH097     10B 1550   MH092 - MH091     13A 3342   MH092 - MH95     13B 3342   MH092 - MH95     14A 1952   MH95 - CS CO		<del></del>	-	<del>}</del>	<b> </b> -	_5A_	13902		<del>}</del>	<del> </del>		<b>]</b>		<b> </b> -		
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78   4385   MH092 - MH097     10A   1550   MHN2 - MHN1A     10B   1550   MIN2 - MIN1A     13A   3342   MIN2 - MIP5     13B   3342   MIP5 - CS CO     14B   1952   MIP5 - GS CO     8A   2400   MISC INNERDUCT S.R. 15	<del></del>							<del></del>	<del> </del> -							
10A   1550   MiN2 - MiN1A     10B   1550   MiN2 - MiN1A     13A   3342   MiM2 - MIP5     13B   3342   MiM2 - MIP5     14A   1952   MiP5 - CS CO     14B   1952   MiP5 - GS CO     8A   2400   MISC INNERDUCT S.R. 15									<b>{</b>							
108 1550   MHN2 - MHN1A     13A 3342   MIM2 - MHP5     13B 3342   MHM2 - MHP5     14A 1952   MHP5 - CCS CO     14B 1952   MHP5 - GCS CO     8A 2400   MISC INNERDUCT S.R. 15     15					<del> </del>				<u> </u>							
13A 3342   MiM2 - MHP5     13B 3342   MHM2 - MHP5     14A 1952   MHP5 - CCS CO     14B 1952   MHP5 - GCS CO     8A 2400   MISC INNERDUCT S.R. 15     15		<del></del> -		<del></del>		10A_	1230 -		<u> </u>	ļ					<u> </u>	
13B 3342				·	<u> </u>				ļ	ļ						
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8A 2400 MISC INNERDUCT S.R. 15	<del></del> -	<del></del>				13B	3342		<del>]</del>	]				<b> </b>	l	
8A 2400 MISC INNERDUCT S.R. 15						14A	1952		<del> </del>					ļ		
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F01B14Z 0040.

SYMBOLS FOR USE IN NOTING TYPE OF SHEATH OR PROTECTION: A-ALPETH, C-STA/PETH, D-LEPETH, E-POLYETHYLENE, F-POLYETHYLENE JACKET LEPETH, G-RAP, H-PASP, J-TOLPETH J. K-TOLPETH K, L-PL LEAD, M-ALVYN, N-STALVYN, S-SELF SUPPORTING ALPETH, T-ARPAP, U-ARPASP, AT-AERIAL TAPE ARMOR, BT-BURIED TAPE ARMOR, GT-GOPHER TAPE ARMOR, MP-MP GOPHER PROTECTION, MG-MODIFIED GOPHE TAPE ARMOR, LA-LIGHT WIRE ARMOR, SA-SINGLE WIRE ARMOR, DA-DOUBLE WIRE ARMOR, LJ-JACKETED LIGHT WIRE ARMOR, SJ-JACKETED SINGLE WIRE ARMOR, DJ-JACKETED DOUBLE WIRE ARMOR, UM-UNSOLDERED MECHANICAL.

(A) So	outhern	Bell		Form 84 Jan., 18
District \( \alpha \)	VCRTHW.	EST (	JAX	Auth. No. <u>1/4536</u>
Wire Cer	nter <u>PEN</u>	WEY	FARM	6/18/E6
Serial No	o. 168	156		· •
	•			
				Minor Change In Plans Involving Property Record Items
To: Re	ecords Acc	ounting	Office	
	TALLS	r.a i 177	1115	CLUPIOA
	//C~2	City	ul	State State
Сору То	: Constru	uction (	Office	Assignment Office
	24	S.R.	224,	OR, PK, FL, 5732 NORMANDY BLVD.  Location Location
Item Dwg. Loc. Des. No. No.				Description of Changes
j	35/39	From 7	то 29	PL. 6730(CL), 6720(F) NTCHH-C12/C45 IN LIEU CF 7923(CL) 73
2	42/43.	1	4	PL.7556(CL), 7536(F) NTCHH-006/145 IN LIEU OF 7635(CL), 7825
	<b>2</b>			
3	44/45	/_	7	PL. 8258(CL), 8158(F) NTCHH-COB/C45 IN LIEU CF 8062(CL), 8052(
4	45/47	6	6	PL. ECEA(CL), ECEA(F) NTCHH-COGGES IN LIEU OF 7956 WW, 7946
		-		
		· · · ·		

BY NONSTRUCTION

Initiated By: J. M. GOVERN

Concurred in: T, R, HERD

NOTE: This form is not to be used when reissue of construction drawing is required. F01B14Z 00404



CO A ORANGE	E PARK		CO D GREEN C	OVE SPRINGS
,		•	1	· · · · · · · · · · · · · · · · · · ·
LG TERM	LSCI-		LSCI-	LG TERM
TRANS	- 601S1 -		601 <u>M</u> 1	APD REC
PWR <u>3</u> : <u>0</u> dB		CABLE <u>F502</u> NO OF FIBERS <u>24</u>		TELCO M560
APD REC	601 <u>M</u> 1		60151	TRANS PWR <u>3.0</u> dB
		· CALC CONN TO CONN LOSS 16.14B	,	! <del></del> -
	\	(FIBER FAC + LCIE CONN LOSS)		

MCA	CHA	CMC	NTS
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TESTED BY ___ DATE __-_-

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AVG. LOSS OF GOOD FINERS __._+_. __db

	SP	

FIBER SPEC

WAVELENGTH 1300nm FIBER FIBER LOSS (

FIBER MANUF NT
FIBER GRADE
LOSS PER KM <u>0</u>. <u>5</u>db/km

#### SPAN SPEC

SPAN LENGTH 21.0KM 68.9 KF NO OF SPLICES 18. FIBER LOSS CALC 14.1 dB

NOTES:

LIGHTWAVE FACILITY - NF EAST ORANGE PARK TO GREEN COVE SPRINGS

860RPK-GCSP

ENGR: WLI ISSUE: B1 DATE: B8-01-85 FLORIDA SWITCHED SERVICES TRANSMISSIONS

WEST JACKSONVILLE DISTRICT

PROJECT: 43836 ESTIMATE: V4536 Material List

H. C. Isgette Engineering Manager -Distribution TRH

410 Highway 19 South

Palatka, Florida September 9, 1985

Mr. J. E. Blitchington
District Manager - Construction
5209 Timuquana Road
Jacksonville, Florida

Dear Sir:

Attached is a revised list of Major Material for Estimate V4536, which received executive approval on July 21, 1985. This list has been revised to order Fiber Pigtails.

This estimate provides for placing aerial and underground single mode fiber cable from the Orange Park Central Office to the Penney Farms/Keystone Heights exchange boundary. The material for the portion of this estimate from the Orange Park Central Office to the Green Cove Springs Central Office should be ordered for a January I ship period. The remaining cable will be ordered at a later date.

Engineering Manager

Distribution

Yours truly

TRH/eb

Attachments

CC: Mr. G. Rollins EMPAC Coordinator LM

ESTIMATE	EV_4536
ISSUE NO.	
	 EMBER 9, 1985

#### MATERIAL LIST .

Item	(a) Original Requirements	(b) Previous :: Revision(s)	(c) This Revision	(a+b+c = d) (d) Present Requirement
CABLE, NTFRTPH30-0*	45,430	-	-	45,430
CABLE, NTFRTPH24-0*	23,530	_	<u>-</u>	23,530
INNERDUCT, OPTIC-GUARD 14*	65,482	-	-	65,482
PIGTAIL, NT3E18AB SINGLE-MODE, 5 FT.	_	<b></b>	60	60

MCF.	Original Previous This Requirements Revision Revision	Present Requirement
PIC S	· · · · · · · · · · · · · · · · · · ·	
PIC NS	1927.1	1927.1
P & P		
TOTAL	1927.1	1927.1

Order Date: August 20, 1985
Ship Date: January 2, 1986

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Estimated Start Date: January 2, 1986

F01B14Z 00407

ESTIMATE EV 4536	_
ISSUE NO 2	_
DATE SEPTEMBER 9, 1985	

#### MATERIAL LIST .

Item	(a) Original Requirements	(b) Previous Revision(s)	(c) This Revision	(a+b+c = d) (d) Present Requirement
CABLE, NTFRTPH30-0*	45,430	-	-	45,430
CABLE, NTFRTPH24-0*	23,530	-	-	23,530
INNERDUCT, OPTIC-GUARD 14*	65,482	_	-	65,482
PIGTAIL, NT3E18AB SINGLE-MODE, 5 FT.	-	-	60	. 60

MCF.	Original Previous Inis  Requirements Revision(s) Revision	Requirement
PIC S		
PIC NS	1927.1	1927.1
P&P		
TOTAL	1927.1	1927.1

Order Date: August 20, 1985

Ship Date: January 2, 1986
Estimated Start Date: January 2, 1986

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ESTIMATE _	EV 4536
ISSUE NO.	· · · · · · · · · · · · 2·
•• •• •	 PTEMBER 9, 1985

#### MATERIAL LIST .

Item	(a) Original Requirements	(b) Previous : Revision(s)	(c) This Revision	(a+b+c = d) (d) Present Requirement
CABLE, NTFRTPH30-0*	45,430	_		45,430
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CABLE, NTFRTPH24-0*	23,530	_	-	23,530
INNERDUCT, OPTIC-GUARD 11/4*	65,482	<del>-</del> .	-	65,482
PIGTAIL, NT3E18AB SINGLE-MODE, 5 FT.	_	<b>-</b>	60	60

MCF.		Original Previ	ious This Revision	Present Requirement
PIC S		· <del>· · · · · · · · · · · · · · · · · · </del>		···· -
PIC NS		1927.1	<u></u> <u></u>	1927.1
P&P	•			·····
TOTAL	•	1927.1	<u> </u>	1927.1

Order Date: August 20, 1985
Ship Date: January 2, 1986
Estimated Start Date: January 2, 1986 Order Date:

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# Construction Work Drawing Title Page

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	(A) Sc	outherr	n Bell		·	1.		Form 8428 Jan., 1980
-	District_	NORTH	INIES	T 71	<u> </u>	10	M Auth. No. 1/2	4536
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	To: Re	cords Acc	counting	Office				\ \ \
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			Pro	perty Record	
To: Rec	ords Acc	ounting Off	rice		
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NOTE: This form is not to be used when reissue of construction drawing is required. F01B14Z 00412

<b>(4</b> ) so	outhern	Bell		Form 8420 Jan., 1980
District	KKTHW	EST	JAX	Auth. No. <u>V4536</u>
Wire Ce	nter <i>PE1</i>	INE?	FARA	175 <u>6/18/66</u>
Serial N	o. 10	<u>-/50</u>		
••			•	Minor Change In Plans Involving Property Record Items
To: Re	ecords Acc	counting	Office	
	THCKS	GCKV City	1228	State
Сору То	: Constr	uction (	Office	Assignment Office
	24	5.R.	224,	OR.PK., FLA. 5732 NCKNINNDY BLVD  Location
Item No.	Dwg. No.	Loc	. Des.	Description of Changes
1	33	4		DELETE FIRER OPTIC HANDHULE FRURY SPLICE
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5	43	5		DELETE FIBER OPTIC HANDHILE & BURY SPECIE
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Remarks: LEFLEIT "AS BUILT" BY CONSTRUCTION

Initiated By: CONSTRUCTION

Title

Concurred In: T. P. HENB ENGR.

Name ENGINEERING OFFICE

Tot. Plt. Rtd.

Tot. Maint.

Date

Avail_

Above Change Approved:

Name

Title

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ENGINEER

Title

Date

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CO A GREEN COVE SP.			<i>i</i> .	
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۱۷G	LOSS OF	G001	FIBERS	+_	dB	

SYSTEMS SPEC	E	BER SPEC	
	300_nm 560_Mb/s	FIBER MANU FIBER GRAD LOSS PER K	
SPAN SPEC			
SPAN LENGTH NO OF SPLICE FIBER LOSS O	24.5KM 80 S 10 ALC 14	<u>8,5</u> KF <u>5</u> 4,2dB	
NOTES:			

CO B KEYSTONE HTS

LSCE- LG TERM

601M1 APD REC

TELCO

FROM PART 1 CABLE <u>F501</u> NO OF FIBERS <u>6</u>

CALC CONN TO CONN LOSS 17.0dB

(FIBER FAC + LCIE CONN LOSS)

MEASUREMENTS

TESTED BY ____ DATE __-_-

AVG LOSS OF GOOD FIBERS __. __+_. __dB

SYSTEMS SPEC

FIBER SPEC

501S1

WAVELENGTH 1300 nm BIT RATE 560 Mb/s

FIBER MANUF FIBER GRADE LOSS PER KM <u>6.45dB/K</u>M

M560

TRANS

PWR 3.0dB

SPAN SPEC .

SPAN LENGTH 24.8KM 81.5KF NO OF SPLICES 19 FIBER LOSS CALC 15.6dB

NOTES:

LIGHTWAVE FACILITY - NF. EAST

GREEN COVE SP. TO KEYSTONE HTS.
86GCSP-KYHG

ENG: WLT ISSUE 1 DATE: 7/11/85 FLORIDA SWITCHED SERVICES TRANSMISSIONS

F01B14Z 00417

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## Single-Mode Fiber Cable Completion Loss Test

يبي '	uon No		· · ·			Cable Identification						
( <del> </del>	me Or Wine C	<u> </u>	56			Cable Identification  6CSPCN - ORPKMA SP, 1-24  District						
URAN	16E PAR	K- GRE	B 6 EN COVE	SPRING	5	Test Section Length (A to B)  Z0.98 Km						
						1		20.	Odine C			
	OR.	ANGE	PARK	CD.		Detector Location B GREEN COVE, SPRINGS CO						
Set of Control of ANGE PARK CD.  Set of Operator  Setimated Loss 14.74 d.B.						Unit or Slot	No.		······			
	Dala:	tor Location	λ Δ.	Det	ector Loca			ngs at Each Location	Outside Plant			
Fiber -	1	2	3	1	. 2	3	A	В	Fiber Loss (A + B) - 2			
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# Single-Mode Fiber Cable Completion Loss Test

			ingle Mo completio	ication	EISF	25-3 NUILLE - 7.6	0	
- 10 1/ 1524			District	<u>iO</u> _	ACKSO	NVILLE	<u>-</u>	
Name Or Wire Center ORANGE PARK	•		Total Section	Length (A	to B)	. 7.6	5/ Km	
ORANGE PARK			Detector Lo	cation B	409	7 .	<u> </u>	
		•	Laser Oper	ator	11 0	r		·
tor Location A. PARK CO  ** Operator			Unit or Sio	No.			- Charles	ide Plant
X Operate		ector Loca	1	Lowest	13 Readings	at Each Locati	FIE	er Loss + B) - 2
Detector Location A	Det 1	ector Loca	3	1	^			
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### Single-Mode Fiber Cable Completion Loss Test

						Completion Loss Test					
سمير	on No.	1145	36			Cable Identification OFISP, 25-30					
		Center	OVE 51		 5	District W	EST JAC	KSONVILLE			
est Date	<u> </u>	EEN C	<u> </u>	<u>/</u>		Test Section	Length (A to B)	.6.2	/ <u>Km</u>		
Detector L	ocation A	CO = = 01.	COVE	CPRIN	135 C.D.	Detector Lo	cation B MHA	VIA .	••		
x = 0	perator	JRCC IV	2002	37 6.1.1		Laser Operator . f					
Estimated	Loss	Ġ	86.dB			Unit or Slot	No.				
<del>-</del>	•	العربة tector Locati		Di	tector Loca	etion B Lowest of 3 Readings at Each Location Fiber Los					
Fiber	1	2	3	1	2	3		B	(A + B) - 2		
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Estimated	1 LOSS	5. lector Locatio	86.4B		ector Locatio	init or Slot P	Lowest of 3 Reed	Outside Plant Fiber Loss (A + B) - 2	
Flber Number		2	3	1	2	3	A	В	(A + B) - 2
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## Single Mode Fiber Cable Completion Loss Test

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<u></u>	tion No.	V-45	36			Cable Identil	GCSP2	N-KYHG	MA 5.	R, 1-6
<u>۔</u>	me Or Wire	Center _	SPRING	S - PENI	VEY FARMS					
st Date		N COUE	SPRING	3-1000	, , , , , , , , , , , , , , , , , , ,	Test Section	Length (A to B	)	24.90	Km
STREET COVE SPRINGS C.O.						Detector Lox	cation B	KS RD		
-	GRE	EN CON	E SPRI	NGS_S		Laser Opera	itor		· ·	
· -						Unit or Slot	No.			
timate	d Loss	15 /-	46 d B	<u> </u>	tector Loca	ition B	Lowest of 3 Re	edings at Each		Outside Plant Fiber Loss
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#### Single-Mode Fiber Cable Completion Loss Test

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ZATION NO. 1/4536	Cable Identification OF 2 SR 13-18
Varne Or Wire Center COVE SPRINGS	District WEST JACKSONVILLE
est Date	Test Section Length (A to B) 3.28 Km
Detector Location & GREEN COVE SPRINGS CO.	Detector Location B
A Obelator	Laser Operator F
	Unit or Slot No.

NO. A. C.	perator	, REEN	(000 -	7 7 7 7 7 7	١,						
betamita		4.08	dB		ļ	Unit or Slot No.  Unit or Slot No.  Outside Fiber					
Estimated Loss 4,08 dB  Detector Location A			n A	Detector Location B				a at Each Location	Outside Plant Fiber Loss (A + B) - 2		
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#### Single-Mode Fiber Cable Completion Loss Test

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Eation No. 11-4536	Cable Identification OF2SR, 7-12
Terme Or Wire Center SPRINGS - PENNEY FARM	DISTRICT WEST JACKS & NVILLE
est Date	Test Section Length (A to B) 13.82 Km
Detector Location A EEN COVE SPRINGS CO	Detector Location B CLARK ST
Del « Operator	Exser Operator F
Estimated Loss C 72 JR	Unit or Slot No.

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Elber Detector Location A Detector Loca							Outside Plant		
	Detec	tor Location	n A	Detector Location B			Lowest of 3 Readings	В	Outside Plant Fiber Loss (A + B) - 2
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## Single-Mode Fiber Cable Completion Loss Test

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CALION NO. 11 - 4634							Cable Identification GCSPCN-KYHGMA SR, 1-6							
\(\frac{1}{48}\)	Varne OF Wire Center Y FARM 5						District WEST SACK SON VILLE  Test Section Langth (A to B) 3.77 Km							
est Date							Test Section Langth (A to B) 3.77 Km							
							Detector Location B PENNEY FARMS / KEYSTONE, HTS. EXCH BOUND  LESET OPERATOR  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test Section Language (A 10 b)  1. Test							
	Detector Location A LSCIT WEEKS RD  ON X Operator													
Estimate		1 1	ISJA			Unit or S				Outside Plant				
		4,15 dB		Detector Loca				A A	at Each Location	Fiber Loss (A + B) - 2				
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H. C. Isgette
Engineering Manager Distribution

THE

Southern Bell 410 Highway 19 South

Palatka, Florida September 24, 1985

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Mr. J. C. Miller
District Staff Manager
Engineering/Assignment/Capital/LEC
15JJ1 Southern Bell Tower
301 West Bay Street
Jacksonville, Florida 32202

Dear Jack:

Attached is a copy of the lease, Serial Number 10331, and a completed Right-Of-Way Document transmittal as requested in your letter of September 3, 1985.

If additional information is required please contact Tim Herb at 904-325-9009.

Yours truly

Engineering Manager
Distribution

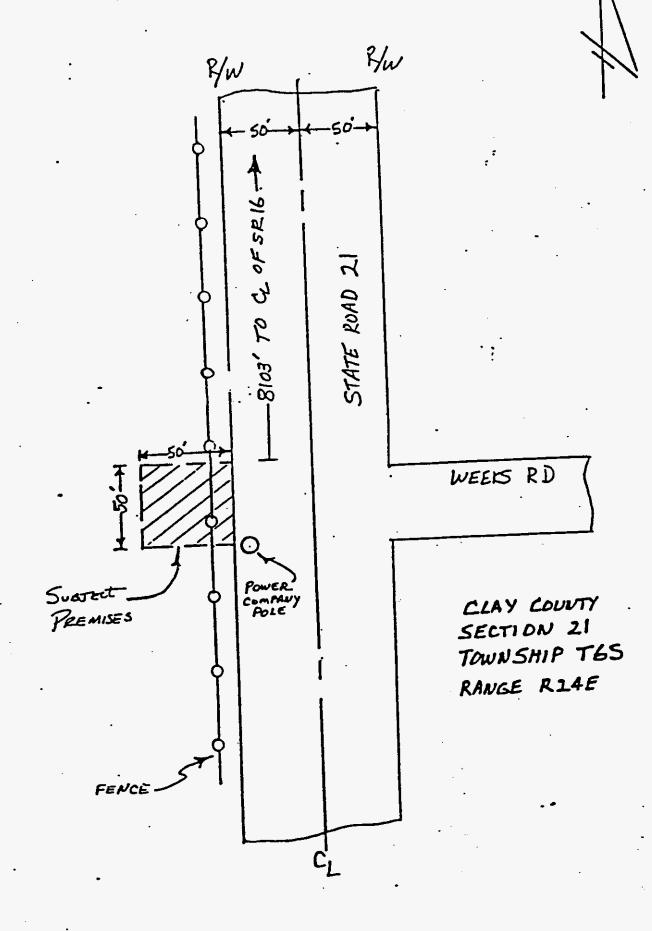
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Attachments

A ELLLSOUTH Company

## RIGHT-OF-WAY DOCUMENT TRANSHITTAL SHEET

	FROM: J. K. HERB TITLE BNGINEER
	ENGINEER  WEST JACKSONVILLE  DISTRICT
	TO: RIGHT-OF-WAY COORDINATOR  () R. F. MERRELL - EASEMENT (SE/S)  PETE RICH - EASEMENT (NORTH)  () HERB OVERSTREET - PERMITS  () GEORGE HCWICKER - DOT &  WATERWAY PERMITS  SOUTH & SOUTHEAST
	TYPE OF DOCUMENT - CHECK ONE  APPROXIMATE DATE WORK IS  TO START O//O2/86  ( ) EASEMENT  ( ) WATERWAY PERMIT  ( ) RAILROAD  ( ) OTHER  ( ) RELEASE OF EASEMENT
	TYPE OF FACILITY OR STRUCTURE TO BE PLACED: CONCRETE HUT
- <b>*</b>	IF EIGHT: LOCATION CAMP BLANDING AT SR 21 & WEEKS
-	ROAD
•	IF EASEMENT: SITE ALLOCATION NO.
	IF RAILROAD: NAME
•	DESCRIPTION OF WORK REQUIRED ON PERMIT
	* PROJECT OR AUTH. # <u>V4536</u> DWG # <u>45</u> LOCATION DES. # 1
	WIRE CENTER PENNEY FARMS
-	EXCHANGE PENNEY FARMS
	SOUTHERN BELL PLAT # 1961 R9
	CITY COUNTY CLAY
	PROPERTY OWNER STATE OF FLORIDA - DEPT. OF MILITARY AFFAIR
‡4	# IF NO AUTHORIZATION NO. IS AVAILABLE, PROVIDE SKETCH AND PLAT REFERENCE.
	PR:vs SH14/F13 Rev. 1 03/01/85



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The following convenants and conditions are agreed to by the parties:

- 1. This lease is non-assignable, and Lessee shall have no authority to assign or sublet all or any part of the demised premises without prior written consent of the Lessor.
- Lessee shall pay for any and all improvements required in connection with construction of its installation. Site is to be fenced by Lessee. Fencing to coincide with Landlord's fence line.
- 3. Lessee shall be responsible for payment of any and all taxes levied in connection with said installation.
- 4. Upon expiration or cancellation of this lease, Lessee agrees to completely remove or have removed, all structures, including concrete slabs or foundations, constructed by the Lessee and to restore the Lessor's property to its original condition or better.
- 5. 'If Lessee's equipment interferes with the Landlord's signal equipment, Lessee will, upon written notice from Lessor, shield the facility so as not to interfere with Landlord's signal equipment or if not able to provide adequate shielding, Lessee agrees to remove the building and equipment thereby terminating this lease in its entirety.

#### LEASE AGREEMENT

This lease agreement is entered into this 20th day of August,

1985 between State of Florida - Department of Mintary Affairs - Office

Office And General, hereafter called the "Lessor", and SOUTHERN BELL

TELEPHONE AND TELEGRAPH COMPANY, a Georgia Corporation with offices at

Southern Bell Tower, 301 West Bay Street, Jacksonville, Florida, 32202,

hereinafter called the "Lessee".

#### WITNESSETH:

That the Lessor does this day lease unto Lessee a 50 by 50 foot plot being a portion of the Lessor's property located on Lessor's property presently called Camp Blanding Military Reservation, Clay County, Florida, described as:

50' by 50' tract of land on west side of State Road 21 at intersection of State Road 21 and Weeks Road (Section 21, Township 65, Range 24E) as shown on attached sketch which by reference is hereby made a part of this lease agreement.

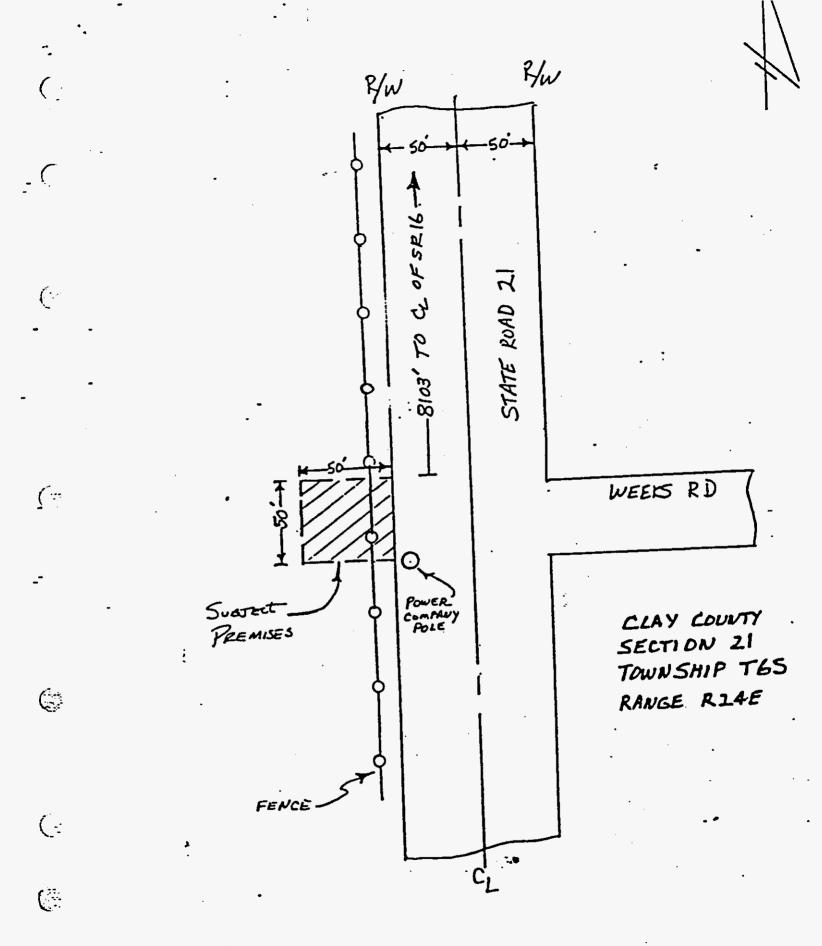
The leased premises are to be used and occupied by the Lessee for the installation of a Signal Regeneration and/or Carrier Building which will facilitate telecommunications services to Lessor TO HAVE AND TO HOLD the same for a term of fifty (50) years beginning on the 1st day of January, 1986, and ending on the 31st day of December, 2035, at the annual rental rate of Five Hundred Dollars (\$500.00) payable in advance each year during the term of this lease.

- 6. Lessee agrees that this lease and Lessee's use of subject premises is and shall be subject to a) the Rules and Regulations of the United States Department of Military Affairs, and b) preemption by the United States Department of the Army in the event of a national emergency.
- 7. Lessee agrees to hold Lessor harmless from all claims, loss or damage by reason of its occupancy of the demised premises, including specifically any loss, claim or damages or expenses incurred in defending against any suit for injuries suffered by any person on the demised premises, or any suit for damages done to property on the demised premises.

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- 8. Lessee agrees to inspect, on a routine basis, the fence line and
  maintain same. Lessee also agrees to maintain the grounds under
  lease in a manner that is similar to that maintained by Lessor on
  adjacent property.
- 9. If the Lessee is denied a building permit by Clay County to utilize the subject parcel for the proposed facility, then the Lessee shall have the right to cancel this lease by giving a 60 day written notice to Lessor of the Lessee's intent to terminate this lease.
- 10. Lessee shall have the right of ingress or egress to subject

  premises. Lessee shall have the right to install underground—
  cable and conduit on leased property.



IN WITNESS WHEREOF, the parties hereto executed this instrument for the purposes herein expressed the day and year first above written.

Signed, Sealed, and Delivered

Mary F. Hartman

O- J (M

<u>Jalucia (labbar e</u> "As to Lessee"

**(**:...

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ARMORY BOARD

BY:

The Adjutant General

Vice Chairman

SOUTHERN BELL TELEPHONE AND

TELEGRAPH COMPANY

BY:

peral Manager Support

SEGUENT MANAGER - REALLISTATE

APPROVED AS TO FORM

6. H. 7 197

ASEA ALLIANEY

#### STATE OF FLORIDA

(...

COUNTY OF CADE DWAL

in said State and County, this ______ day of August A.D. 19 85

W. Halligswert

Notary Padite

My Commission expires

STATE OF FLORIDA

COUNTY OF ST. JOHNS

( s

I HEREBY CERTIFY, that	on this day personally appeared before me,
an officer duly authorized t	to administer oaths and take acknowledgements,
Rotert F. Ensslin, Jr.	, to me well known to be the per-
son described in and who exe	scuted the foregoing instrument, and acknow-
ledged before me that he exc	ecuted the same freely and voluntarily for
the purpose therein express	rd.
IN WITNESS WHEREOF. I	have hereunto set my hand and official scal
said State and County this	23rd day of July A.D.
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	Hotary Public
	history Felter, State of Position

My Constitute Entres Scot. 13, 1935

My Commission expires

Jn LATA Files

1-05-86



# Southern Bell

Room 14JJ1, Southern Bell Tower 301 W. Bay Street Jacksonville, Florida 32202 (904) 350-3586

T. C. Taylor Operations Manager - I & M Distribution

DISTRIBUTION LIST

January 20, 1986

Donna Peterson Room 27EE1 SBT Jacksonville, FL 32201

Carl Hankins, Inc. P. O. Box 23764 Tampa, FL 33622

J. E. Blitchington 5209 Timuquana Road Jacksonville, FL 32210

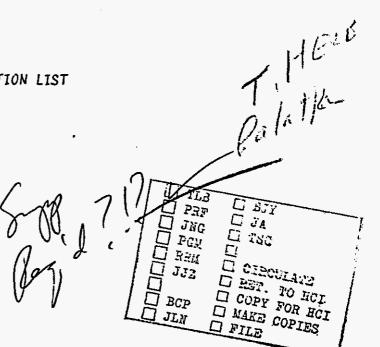
G. T. Rollins 74 State Road Room 224 Orange Park, FL 32073

H. C. Isgette Room 18HH1 SBT Hacksonville, FL 32202

File

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ENGINEERING JKVL. NW GROUP

## INDIVIDUAL CONTRACT FOR OUTSIDE PLANT WORK

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NORTH FLORIDA AREA STATE	CONTRACT NO
s. W. Jacksonville DISTRICT	NOT TO EXCEED \$ 8,994.67
Basis Of Award	( ) This Contract awarded on other than a Cost-Plus Fixed Fee basis without bid offering.
( ) This Contract awarded on a Cost-Plus Fixed Fee basis, With Without Bid Offering.	(x) This Contract awarded on other than a Cost-Plus Fixed Fee basis pursuant to Bid Offering.

# For Southern Bell Telephone and Telegraph Company

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Article		Liability Insurance
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This Agreement is made this 9th day of January 19 E between Carl Hankins, Inc. ,hereinafter called "Coand the Southern Bell Telephone and Telegraph Company, hereinaf "Telephone Company".

#### Witnesseth

That the Contractor and the Telephone Company, for the consideratic after named, hereby convenant and agree as follows:

Article 1. Designated Work

Authority No. EV-452

Location S. W. Jac.

The Contractor will perform for the Telephone Company the items of Work authorized and/or required on the above Authority at the above and set forth on attached bid sheets designated as Exhibit "A" by strict and full accordance with the requirements of the plans, drawi specifications of the Telephone Company covering the items of work s in attached Exhibit "A".

#### ARTICLE 2. CONTRACT LIMITATION

NOT TO EXCEED \$ 8,994.6

(a) The Telephone Company and the Contractor agree that the liability Telephone Company to pay compensation to the Contractor for the perform work under this Contract shall NOT EXCEED the Contract Limitation shown which is a FIXED PRICE or is the estimated total contract cost computablying the unit prices to all of the work units listed on the attached bit "A" with a reasonable allowance for contingencies.

(b) This Contract Limitation may be exceeded to the extent authorized in ing by the Telephone Company's General Manager-Distribution.

#### ARTICLE 3. CONTRACT PRICE

The Telephone Company and the Contractor agree that there are two metho computing compensation to be paid the Contractor by the Telephone Compan work performed by the Contractor under this type of Contract and the mindicated by () in block below shall be used for computing compensation the Contractor under this Contract.

fixed PRICE OF \$\frac{1}{2}\$ to be paid the Contractor for the completion and acceptance of all items of work set forth in attached Exhibit "A". Deductions for any items not completed or payment for any added items to be explained in writing and approved by the Telephone Company's General Manager-Distribution.

UNIT PRICE - The total Contract cost to be paid the Contractor shall be computed by applying to each of the units of work set forth on the attached Exhibit "A", completed by the Contractor and accepted by the Telephone Company, the unit price for such units of work which are set forth in Exhibit "A".

#### ARTICLE 4. BEGINNING AND COMPLETION DATES

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- (a) The Contractor shall begin work within ten (10) days after written notification by the Telephone Company that the materials to be supplied by the Telephone Company hereunder, or a sufficient amount thereof, are ready for delivery to the Contractor; or, if no materials are to be furnished by the Telephone Company hereunder, within  $\underline{\text{Ten}}$  (10) days from the date of the execution of this Contract; and shall entirely complete the work by not later than  $\underline{\text{February 18}}$ , 1986, unless extended by mutual agreement, or as provided for in Article 8.
- (b) The Contractor shall begin and carry on the work at such points, in such order of precedence, and at such times as the Telephone Company's representative may from time to time direct.

#### ARTICLE 5. MATERIALS, LABOR AND APPLIANCES

- (a) The Contractor will furnish all materials (except materials to be furnished by the Telephone Company as provided for in Section (b) of this Article 5), cartage, tools, implements and appliances, and perform all work required for full performance of everything shown, described or reasonably implied by applicable general plans, drawings and specifications of the Telephone Company.
- (b) The Telephone Company will furnish to the Contractor at such time as will not delay the Contractor in his work all standard telephone catalogue items of material and other miscellaneous hardware or minor supplies associated with the above materials, and the Contractor shall receipt for and be responsible for said materials from date of delivery.
- (c) The Contractor shall in the performance of this Contract supply material and workmanship of a quality which is in strict and full accord with such parts of the Telephone Company's plans and specifications as are applicable to the work covered under this Contract, and shall furnish at Contractor's own expense all labor and material to make good any defects of materials or workmanship which may show up within one year from the date of the completion and acceptance of the work covered by this Contract.
- (d)The Contractor shall furnish, employ and have exclusive control of all persons to be engaged in or about the work set forth in the Contract; and shall prescribe and control the means and methods of doing such work. All persons employed by the Contractor in and about the performance of any such work shall be agents or employees of the Contractor, and neither the Contractor nor any of such agents or employees shall be deemed to be employees

of the Telephone Company for any purpose whatsoever; the Contractor being, and at all times acting as, an independent Contractor hereunder, and being responsible as an independent Contractor to the Telephone Company.,

(e)Upon request of the Telephone Company's General Manager-Distribution, Contractor agrees to promptly remove from the work any employee of the Contractor or any subcontractor; it is understood and agreed that such a request shall not be deemed to be a request that such an employee or subcontractor be disciplined or discharged by the Contractor, nor shall it be deemed to be a reflection on the abilities or character of such an employee or subcontractor.

(f)Contractor acknowledges receipt of a copy of general plans, drawings and practices of the Telephone Company covering each of the items of work set forth in Exhibit "A" and agrees to perform all work in a manner consistent with the safety precautions as set forth in Telephone Company practices or any Municipal, County, State or Federal safety regulations applicable to the work location. Contractor acknowledges that all general plans, drawings, and Telephone Company practices received by Contractor hereunder shall be and remain the property of the Telephone Company and shall be returned to the Telephone Company upon request. Unless such information and/or documents were previously known to Contractor free of any obligation to keep them confidential, or have been or are subsequently make public by the Telephone Company or a third party, such information and/or documents shall be held in confidence, shall be used only for the purposes specified by the Telephone Company, or may be used for other purposes only upon such terms and conditions as may be mutually agreed upon in writing.

#### ARTICLE 6. RESTORATION OF STREETS AND HIGHWAYS

The Contractor shall properly refill with suitable material any and all excavations made, and shall restore all streets, highways, and sidewalks which may be disturbed in making excavations to their former condition unless otherwise ordered by the proper City, County or State Highway authorities having jurisdiction over such streets and highways and provide such proof of restoration as may be required by the permitting agency. Should the Contractor fail to properly restore any street which he has disturbed and the City, County or State incur any expense in repairing or restoring the same, the Contractor shall reimburse the City, County or State, as the case may be, for such expense and shall indemnify and save harmless the Telephone Company on account of any expense the Telephone Company may incur by reason of the failure of the Contractor to comply with the provisions of this Article 6.

#### ARTICLE 7. PERMITS AND LICENSES

The Contractor shall secure and pay for all governmental permits and licenses required by law or regulation with relation to any work covered by this Contract, and shall give all notices, pay all fees and comply with all laws, ordinances, rules and regulations relating to the work or to the full performance of this work except such permits as the Telephone Company may obtain for the opening of streets, sidewalks, roads and highways. The

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Telephone Company will, in such manner as not to delay the work of the Contractor, provide all necessary permits for occupying or excavating streets, highways, railroad right-of-way, public utility easements, or any other private property, but the Contractor shall provide all other permits and licenses as above provided, and shall indemnify and save harmless the Telephone Company from any liability on account of the Contractor's failure to secure or comply with such permits and licenses.

#### ARTICLE 8. DELAYS: EXTENSION OF COMPLETION DATE

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(a) Should the Contractor be delayed in the completion of the work by strikes, lockouts, unavoidable casualties, or any other causes beyond the Contractor's control, then, upon claim in writing by the Contractor, the time of completion shall be extended for such reasonable time as the Telephone Company's General Manager-Distribution may decide. No such extension shall be made for delays occurring more than seven (7) days before claim is made in writing to the Telephone Company's General Manager-Distribution. No compensation shall be paid by the Telephone Company to the Contractor for any time lost during any such delay; except that where failure by the Telephone Company to supply such materials as are provided for in Article 5 or to provide the Contractor with the necessary permits provided for in Article 7 results in any temporary delay of the work and where actual loss to the Contractor occurs on account of such delay, the Telephone Company will pay the Contractor for such lost time in an amount to be determined by the Telephone Company's General Manager-Distribution.

(b) The Contractor agrees that if the Contractor, in the opinion of the General Manager-Distribution, neglects or refuses to supply sufficient tools, equipment and skilled workers or the proper quality and quantity of material suitable to perform the work covered by this Contract, or in any way fails to pursue the work with promptness and diligence or in strict conformity with this Contract and such plans and specifications as may be made a part thereof, then the General Manager-Distribution, at his option and without prejudice to any other remedy that he may have, after one (1) day's written notice to the Contractor may take over all labor, materials and appliances on the site and complete or have completed the entire work covered by this Contract. The cost of such completion by or for the Telephone Company shall be at the expense of the Contractor, and the amount of such cost shall be deducted from the compensation due the Contractor under this Contract. If the cost of such completion by the Telephone Company is in excess of the compensation due the Contractor under this Contract, such excess shall be due to the Telephone . Company and shall be and become immediately payable on completion by the Telephone Company of the work set forth in this Contract. Any compensation otherwise due the Contractor for the work covered by this Contract and above the cost of completion by the Telephone Company shall be paid to the Contractor by the Telephone Company.

#### ARTICLE 9. INSPECTION OF WORK

(a) Inspection of the whole or any part of the work, and of the materials furnished by the Contractor, may be made by the Telephone Company's representa

tive, at any time or times convenient to either of them, and the Contractor shall provide proper facilities, including all necessary tools and labor, for such inspection.

(b) If the work so inspected is found to be inferior or defective, or not in strict and full accordance with this Contract, or with the applicable plans, drawings and specifications of the Telephone Company, the Contractor shall bear the expense of such inspection, and shall at his own expenses at once reconstruct the work in full accordance with this Contract and applicable plans, drawings, and specifications of the Telephone Company. Should the items so inspected prove to be constructed according to the plans, drawings and specifications of the Telephone Company, and if no defects are found, the Telephone Company shall bear the expense of the inspection. The failure or neglect of the Telephone Company's representative to inspect, condemn or reject inferior or defective materials or work shall not be construed as an acceptance of such materials or work by the Telephone Company, nor shall the Telephone Company be barred at any subsequent time from the recovery of damages or of such sums of money as may be necessary to replace inferior or defective materials and to reconstruct the work in accordance with the Contract and said plans, drawings and specifications whenever such inferior or defective materials or work may be discovered.

(c) It is agreed that the Telephone Company reserves the right to have a competent representative continuously at the site of any work set forth in this Contract. Consistent with the provisions of Article 5(d) hereof, the Contractor agrees to be guided by the reasonable recommendations of such representative.

#### ARTICLE 10. CHANGES IN THE WORK

The Telephone Company may make changes in the work designated or shown by applicable plans, drawing and specifications of the Telephone Company, by altering, adding to, or taking from the work, and the Contractor's compensation for said work shall be adjusted accordingly; but no such changes shall be made except upon the order of the Telephone Company's representative. All work under such changes shall be executed under the conditions of this Contract; and this Contract shall remain in full force and effect with respect to all work hereunder including such changes, whether material or otherwise.

#### ARTICLE 11. INDEMNITY

(a) The Contractor shall indemnify and hold harmless the Company and its directors, officers, employees and agents (collectively the "Indemnitees") and each of them from and against any loss, costs, damages, claims, expenses (including attorneys' fees) or liabilities (collectively referred to as "Liabilities") by reason of any injury to or death of any person or damage to or destruction or loss of any property arising out of, resulting from, or in connection with (i) the performance or nonperformance of the work contemplated by this Contract which is or is alleged to be directly or indirectly caused, in whole or in part by any act, omission, default, or negligence (whether active or passive) of Contractor or its employees, agents or subcontractors, regardless of whether it is, or is alleged to be caused in whole or part

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(whether joint, concurrent or contributing) by any act, omission, default or negligence (whether active or passive) of the Indemnitees, or any of them or (ii) the failure of the Contractor to comply with any of the Articles herein or the failure of the Contractor to conform to statutes, ordinances, or other regulations or requirements of any governmental authority in connection with the performance of the services provided for in this Contract. Said indemnities shall include but not be limited to injury or damage which is or is alleged to be caused in whole or in part by any act, omission, default or negligence of the Contractor. Contractor expressly agrees to indemnify and hold harmless the Indemnitees, or any of them, from and against all liabilities which may be asserted by an employee or former employee of Contractor, or any of its subcontractors, as provided above, for which the Contractor's liability to such employee or former employee would otherwise be limited to payments under state Worker's Compensation or similar laws.

(b)Contractor further agrees to indemnify and hold harmless the Indemnitees from and against (i) any and all penalties imposed on account of the violation of any law, ordinance, order, rules, regulation, condition, or requirement, in any way related, directly or indirectly, to Contractor's performance hereunder, compliance with which is left by this Contract to the Contractor and (ii) any and all claims, liens and/or suits for labor and materials furnished the Contractor or utilized in the performance of this Contract or otherwise.

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(c)Where not specifically prohibited by law, the Contractor further agrees to indemnify and hold harmless the Indemnitees from all claims and suits for any liability, including, but not limited to injury, death, or damage to any person or property whatsoever, caused by, arising from, incident to, connected with or growing out of the performance or nonperformance of this Contract which is, or is alleged to be caused in part (whether joint, concurrent, or contributing) or in whole by any act, omission, default, or negligence (whether active or passive) of the Indemnitees. The foregoing indemnity shall also include liability imposed by any doctrine of strict liability. and Contractor further agree that the liability of the Contractor to save harmless and indemnify the Indemnitees for damages caused solely by any act, omission, or default of the Indemnitees shall not exceed the sum of \$1,000,000 for property damage arising out of any one occurrence and \$1,000,000 for bodily injury or death arising out of any one occurrence. This indemnity agreement shall apply not only to claims and suits against the Indemnitees alone, but also to those claims and suits brought against the Contractor and the Indemnitees jointly, or any other combination. In the event of a joint verdict and judgment, the above-stated limit shall apply to the portion of the verdict or judgment which is against the Indemnitees.

(d) The Contractor further agrees to reimburse the Telephone Company for and/or hold it harmless against any and all attorney's fees and other expenses and costs incurred in pursuing any claim, suit or lien brought by the Telephone Company against the Contractor or those acting under its direction arising out of or resulting from a breach by the Contractor or those acting under its direction of any provision of this Contract or performance or nonperformance hereunder.

(e) The Telephone Company and Contractor agree that any judgment entered against the Indemnitees, or any of them, or the Contractor, shall not be determinative of the issue as to whether the act, omission, default, or negligence upon which the action was brought was that of the Indemnitees or of the Contractor.

(f)Contractor shall, at its own sole cost, expense, and risk, defend any claim, suit, action or other legal proceeding (collectively "action") arising out of the performance or nonperformance of this Contract brought jointly against the Indemnitees or any of them and the Contractor or against any of the Indemnitees, shall pay and satisfy any judgment or decree which may be rendered against any of the Indemnitees in any such action and shall pay any costs and attorney's fees which may be incurred by the Indemnitees in connection therewith and/or in enforcing the indemnification provisions set forth above. Should the Contractor, in the judgment of the Telephone Company, ignore or fail to properly handle or defend any such action, the Telephone Company may at its option assume and undertake, or join the handling or defense of any such action, and in that event the Contractor will reimburse the Telephone Company for attorneys' fees and other expenses incurred by it in handling or defending same, including any amounts paid by the Telephone Company in settlement thereof or in satisfaction of any judgment rendered.

#### ARTICLE 12. LIABILITY INSURANCE

(a) The Contractor shall take out, pay for, and at all times during the performance of work hereunder maintain, such public, contingent (where applicable, professional malpractice) and employer's liability insurance as will satisfy the foregoing indemnity requirements of this agreement and protect Contractor and the Telephone Company from claims under workers' compensation and other employee benefit acts. Such insurance shall include Comprehensive General Liability and property damage, including automobile, products completed operations and broad form contractual covering liability assumed by the Contractor under this agreement.

(b) Such insurance shall: (i) include Telephone Company as an additional insured; (ii) be primary insurance written on an occurrence basis to the full limits of liability hereinafter stated and should Telephone Company have other valid insurance, Telephone Company's insurance shall be excess insurance only; (iii) include a severability clause substantially in the following form:

"The insurance afforded applies separately to each insured against whom claim is made or suit is brought, but the inclusion hereunder of more than one insured shall not operate to increase the limits of the insurance carrier's liability. The inclusion of any person or organization as an insured shall not affect any right that such person or organization would have as a claimant if not so included."

;and (iv) contain an endorsement substantially stating:

"Cancellation or expiration of the policy to which this endorsement is attached shall not become effective until after thirty (30) days advance written notice has been delivered to Southern Bell.
Attention: W. H. Bellinger General Manager-Network/North Florida

### at 301 W. Bay St. Jacksonville, FL 32202

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(c)Without limitation of the requirements set forth in this Article, Contractor shall maintain insurance with coverage and minimal limits of liability as follows:

- (1)Workers' Compensation and Employer's Liability providing statutory coverage under the Workers' Compensation and Occupational Disease Laws of the state where operations are being performed under this Contract; and Employer's Liability coverage with limits of \$100,000.
- (2)Comprehensive General Liability affording (i) Bodily Injury Liability (or death) with limits of \$500,000 for each person and \$1,000,000 in the aggregate; and (ii) Property Damage Liability with limits of \$250,000 for each occurrence and \$250,000 in the aggregate, such coverage to include: Products Completed Operations, Broad Form Contractual Liability covering liability assumed under this Contract, Contractor's Contingent (Protective) Liability with respect to work subcontracted by the Contractor.
- (3)Comprehensive Automobile Liability affording (i) Bodily Injury Liability (or death) with limits of \$500,000 each person and \$1,000,000 each occurrence; and (ii) Property Damage Liability with a limit of \$250,000 each occurrence; such coverage to include liability for the operation of owned, hired, and non-owned vehicles.
- (4)(Where applicable) Professional liability insurance coverage shall be provided in an amount not less than \$1,000,000; such coverage to include Broad Form Contractual Liability covering liability assumed under this Agreement.
- (d) In no event shall the provisions of this Article be construed in any way to limit Contractor's obligations under the immediately preceding Article.
- (e) The insurance coverage required herein shall be through policies issued by companies authorized to do business under the laws of the state where the work is performed, with these qualifications:

The insurance company must be rated by the latest edition of Best's Insurance Guide, published by Alfred M. Best Company, Inc. at no less than an "A" Best Policyholders Rating and no less than an "X" rating in Best's Financial Size Category.

(f)All of such insurance, including renewals, shall be subject to the approval of the Telephone Company for adequacy of protection, and evidence of such coverages shall be furnished to the Telephone Company on Southern Bell Telephone and Telegraph Company Certificates of Insurance indicating such insurance to be in force and effect and providing that it will not be canceled during the performance of the work under this agreement without thirty (30) calendar days prior written notice to the Telephone Company. Completed Southern Bell Telephone and Telegraph Company Certificates of Insurance shall be filed with the Telephone Company prior to commencement of work hereunder; provided, however, that Contractor shall at any time upon request file duplicate copies of the policies of such insurance with the Telephone Company.

(g) If, in the judgment of the Telephone Company, prevailing conditions warrant the provision of additional liability insurance coverage or coverage which is different in kind, the Telephone Company reserves the right to require the provision of an amount of coverage different from the above stated amounts or in kind and shall afford written notice of such change in requirements thirty (30) days prior to the date on which the requirements shall take effect. Should the Contractor fail or refuse to satisfy the requirement of changed coverage within thirty (30) days following the Telephone Company's written notice, this agreement shall be considered terminated on the date that the required change in policy coverage would otherwise take effect.

#### ARTICLE 13. METHOD OF PAYMENT: DETAILED STATEMENTS

(a) The Contractor agrees to furnish detailed statements covering the entire work promptly upon completion of the Contract, or covering portions of the work completed on the Contract where the billing would be delayed appreciably if withheld waiting the final completion of the Contract. The detailed statements shall contain a complete list of all units of work performed under Exhibit "A" with a description of the units of work included in the statement.

(b) The Telephone Company will pay to the Contractor not later than 30 days after the receipt of such detailed statements the total amount due to the Contractor.

#### ARTICLE 14. RECEIPTED BILLS

The Contractor shall, if requested by the Telephone Company's General Manager-Distribution, attach to the statements referred to in Article 13, receipted bills for all labor and materials furnished, and for any other expense contained in the said statements, and in the event there are outstanding against the Contractor any bills for labor or materials, or for any other expenditures, the Telephone Company shall have the right to pay said outstanding bills and deduct the amount of same from the amounts shown in the statement.

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#### ARTICLE 15. DEDUCTIONS FROM STATEMENTS

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The Telephone Company's General Manager-Distribution may deduct from any statement rendered by the Contractor before issuing certificate of payments thereon, an amount or amounts sufficient to protect the Telephone Company from loss on account of:

- (a)Defective work not remedied;
- (b)Claims filed, or reasonable evidence indicating the probable filing of claims;
- (c) Failure of the Contractor to make payments promptly for materials or labor;
- (d)Cost of restoration of telephone service as a result of negligence on the part of the Contractor in the performance of work under this Contract.

#### ARTICLE 16. ASSIGNMENTS

This Contract shall not be assigned, nor shall the Contractor assign any moneys due or to become due hereunder, without the previous written consent of the Telephone Company.

#### ARTICLE 17. PROTECTIVE MEASURES AND NOTICES

(a) The nature of work herein contemplated may bring the employees of the Contractor and its subcontractors into close proximity to the existing overhead, surface and underground facilities of the Telephone Company, other utilities or other persons, with a resulting risk or danger of personal injury to such employees or damage to such facilities. Should the work prints, drawings, plans, or specifications issued by the Telephone Company indicate or fail to indicate the location of such facilities, whether those of the Telephone Company, other utilities or other persons, it is expressly understood and agreed that the Telephone Company, its officers, employees and agents shall not incur any liability for injury to persons or damage to property by reason of furnishing or failing to furnish such information, the Contractor hereby assuming full responsibility for determining the exact location of all such facilities and their proximity to the work to be performed under this Contract. The Contractor will keep itself fully informed of the dates, times and places on and at which each and every phase of the work herein contemplated is being or is to be performed, and the Contractor hereby assumes full responsibility of taking such protective measures and giving any and all notices which may be required to avoid or reduce to a minimum the risk of danger of personal injury to such employees or damage to such facilities.

(b) Where the locating of complex below ground facilities requires the assistance of the Telephone Company in order to protect the telephone plant or when after making a reasonable effort the Contractor is unable to locate the Telephone Company facilities, the Telephone Company may render necessary assistance in these limited situations.

(c)At the request of the Contractor, the Telephone Company will confirm to the other utility or other person the fact that the Contractor is performing work for the Telephone Company and request the cooperation of such other utility or other person, but the Contractor shall be and remain solely responsible for taking protective measures or giving notices as herein specified, and the Telephone Company, its officers, employees or agents, shall not incur any liability by reason of such assistance to the Contractor or because of any failure of such other utility or other person to comply with any request by the Contractor or the Telephone Company.

#### ARTICLE 18. GRATUITIES _

The Contractor warrants that no person or agency has been employed, retained, or directed to solicit or secure this Contract upon an agreement or understanding for a commission, percentage, brokerage, contingent fee, or other remuneration. Southern Bell Telephone and Telegraph Company may, by written notice to the Contractor, terminate the right of the Contractor to proceed under this Contract or any other contract if it is found by Southern Bell Telephone and Telegraph Company or its duly authorized representatives that gratuities (in the form of entertainment, gifts, or otherwise) were offered or given by the Contractor, or any agent or representative of the Contractor, to any officer or employee of Southern Bell Telephone and Telegraph Company or its parent company, with a view toward or the intent of securing a contract or securing a favorable treatment with respect to the awarding or amending, or the making of any determinations with respect to the performance of this Contract.

#### ARTICLE 19. NON-DISCRIMINATION COMPLIANCE AGREEMENT

The Contractor agrees to comply with the applicable provisions of the attached Non-Discrimination Compliance Agreement which is attached hereto as Exhibit "D".

#### . ARTICLE 20. NON-COLLUSION CERTIFICATION

By executing this Contract, Contractor certifies that neither Contractor nor any of its officers, employees, or agents has acted in concert with or agreed with any other person, firm, corporation or other entity, whether actively or passively, to set the charges contained in Exhibit "A" at or above a certain rate. Contractor further certifies that the charges set forth herein have been arrived at and submitted by Contractor without consultation or agreement

with any other person, firm, corporation or other entity which has also submitted a quotation to perform the same or similar work in the same or another area for the Telephone Company. Should it be determined that Contractor has committed any of the acts set forth in this paragraph, the Telephone Company shall have the right to immediately terminate this Contract. Upon such termination, the Telephone Company shall have no further obligation or liability to the Contractor.

#### ARTICLE 21. SEVERABILITY

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If any of the provisions of this Contract shall be invalid or unenforceable under the laws of the jurisdiction applicable to the Contract, such invalidity or unenforceability shall not invalidate or render unenforceable the entire Contract, which shall be-construed as if not containing the particular invalid or unenforceable provision.

#### ARTICLE 22. EXAMINATION OF RECORDS

The Contractor agrees that the Assistant Comptroller or the General Manager-Comptroller of Southern Bell Telephone and Telegraph Company or any of his duly authorized representatives shall, until the expiration of three years after final payments under this Contract, have access to and the right to examine all books, documents, papers and records of the Contractor. The Telephone Company shall also have the right, upon request of a Telephone Company employee of Department Head level or above, to conduct operational reviews of Contractor's operations at any time and from time to time during the term of this Contract. Such reviews may include the review of all books, documents, papers, and records of the Contractor.

#### ARTICLE 23. CONTRACT READ AND UNDERSTOOD

The Contractor hereby admits that he has read each and every clause of this Contract, and the annexed "Exhibits", and fully understands the meaning of the same, and hereby agrees that he will comply with all the terms, convenants and agreements set forth herein.

In Witness Whereof, the parties hereof have executed this agreement the day and year first above written, in duplicate originals.

Carl Hankins, Inc.
Contractor

Witness:

Stanley & Shottes Stighth W. Crawford By: Cal E. Harkers

Southern Bell Telephone And Telegraph Company

Witness:

Cynthia S. Hore

By: General Manager-Distribution

Attachments: Exhibit "A"

Exhibit "D"

#### Contractor Bid Sheets

#### Estimate EV-4536-C

- 1. All City, County, Department of Transportation, and OSHA traffic control and safety regulations shall be strictly adhered to. Expense of traffic control assistance shall be the responsibility of the contractor during all placing operations.
- 2. The contractor shall be responsible for locating and protecting all telephone cables and foreign utilities. any negligent damage of telephone cables or failure to follow precautionary instructions shall be grounds to forfeit contract.
- 3. Restoration and clean-up is expected to be kept current to avoid unnecessary criticism and complaints. All debris shall be removed and disposed of in accordance with Health, Environmental, and City, County regulations.
- 4. The cost of City, County or Department of Transportation soil density test, to include removal and/or replacement of unsuitable soil, will be the full responsibility of the contractor accepting the contract for this project. Determination of any or all unsuitable soil shall be at the discretion of the Telephone Company representative on the job.

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#### EV-4536-C

The Contractor agrees to perform the following work operations for the following prices:

1. Place 6,526 conduit duct feet of two piece 1 1/4 inch optic-gaurd innerduct and one "C" rural wire in one 4 inch C-PVC duct. Contractor to rod and provide rope for pulling innerduct and "C" rural wire in these sections.

( )

Price per conduit duct foot: ________

 Break out four feet of existing duct and place twenty-five feet of four inch PVC "C", nine foot radius bend, rod and rope for pulling innerduct.

Price: 185.00

3. Place 375 conduit duct feet of two 1 1/4 inch optic-gaurd innerduct and one "C" rural wire in item 2 above.

Frice per conduit duct foot: ___1.05

Total this page: 6,778.45 /

### THIS PAGE MUST BE SUBMITTED WITH YOUR BID

A copy of the contract on file at the office of the General Manager - Distribution, Jacksonville, Florida, is by reference made a part of this bid package. You are required to review the contract and familiarize yourself with the provisions contained therein prior to submitting your bid.

Your signature on the line below shall certify to Southern Bell that you have reviewed the contract on file and are agreeable to the terms and conditions contained therein should you be awarded the contract.

Carl E. Hankins

President Title

Date: December 30, 1985

<u>C</u>.

(

# BID SUBMITTED BY:

FIRM (INIT.)_

BY (INIT.)

#### EXHIBIT "A"

CONTRACTORS BID SHEET UNDERGROUND CONDUIT

Form 6428 Feb. 1967 Page 4

EV-4536-C

6. SURFACE REMOVAL AND/OR RESTORATION

	Square Foot         XXX         XXX           "XXX         XXX	nits to		e Per it to	
Unit	Remove	Restore	Sod or Grass (to include top soil)  Brick (sidewalk)  Brick (street)  Sidewalk Block (precast)  Gravel or Crushed Rock in Increments of 2 Inches  Shell, Cinders, or Slag in Increments of 2 Inches  Added Charge for Oil  Asphalt, Blacktop, Macadam or Equivalent in Increment of 2 Inches  4 Inch Concrete (sidewalk, roadway or gutter)  6 Inch Concrete (sidewalk, roadway or gutter)  Concrete in Increments of I Inch Above  8 Inches (sidewalk, roadway or gutter)  Added Charge For Reinforced Concrete  Concrete Curb  Saw Concrete	Remove	Restore
	xxx	xxx	Sod or Grass (to include top soil)	XXX	xxx
•	xxx	xxx	Brick (sidewalk)	xxx	xxx
"	xxx	xxx	Brick (street)	xxx	xxx
99	xxx	xxx	Sidewalk Block (precast)	xxx	xxx
	XXX	600	Gravel or Crushed Rock in Increments of 2 Inches	xxx	.55
,,	XXX	xxx	Shell, Cinders, or Slag in Increments of 2 Inches	xxx	xxx
**	xxx	xxx.	<u> </u>	xxx	XXX
n	160	160	Asphalt, Blacktop, Macadam or Equivalent in Increment of 2 Inches	.90	1.95
27	10	.10	1.00	2.50	
**	. 10 10		6 Inch Concrete (sidewalk, roadway or gutter)	1.25	2.70
, ,,	xxx	xxx.	8 Inch Concrete (sidewalk, roadway or gutter)	xxx	xxx
,,	xxx	xxx		xxx	xxx
,,	xxx	XXX	Added Charge For Reinforced Concrete	xxx	xxx
	10	10	Concrete Curb	1.25	17.00
,		xxx	Saw Concrete	3.50	xxx
		xxx	Saw Asphalt	1.50	XXX
		<u></u>		,	
<u> </u>					

1,043.00

EXHIBIT "A"

Form 6428 Feb. 1967

FIRM (INIT.) CHI CONTRACTORS BID SHEET UNDERGROUND CONDUIT

Page 5

BY (INIT.)

(

HOURLY COST ITEMS .

EV-4536-C

UNIT PRICES FOR LABOR TO INCLUDE OVERHEAD, TOOL EXPENSE, TAXES INSURANCE, PROFIT AND ALL OTHER ASSOCIATED LABOR COSTS

	Unit Pric	e Per Hour
TYPE LABOR	Regular Time	Over- Time
Foreman, On The Job or Machine Operator	15.00	22.50
Semi-Skilled Labor	xx	xxx
Common Labor	10.00	15.00

UNIT PRICES FOR EQUIPMENT TO INCLUDE PROFIT AND ALL ASSOCIATED OPERATING COST

TYPE EQUIPMENT	Unit Price Per Hour
% or 1 Ton Truck	5.50
14-Ton Truck	7.50
1% Ton Truck with Winch	9.50
Tractor with Semi-Trailer	28.00
Air Compressor, 1-2 Pneumatic Hammer	12.00
2-3 Inch Water Pump	5.00
4 Inch Water Pump	7.00
Blower (Casoline or Electric)	3.00
Pole Trailer or Cable Trailer	6.00
Trench Machine 20 H.P. or Less	24.50
Trench Machine 21 H.P. or More	28.00
Pipe Pusher or Boring Machine	35.00
Caterpillar Tractor (Bulldozer)	गंग-00
Wheel Tractor with Backhoe	25.00
Backhoe - Crawler Mounted	35.00
Dump Truck - 6yd Capacity or Under	9.00
Dump Truck - Over 6yd Capacity	14.00
Barricade and Light - Price per Day	1.00
Well Point System Complete - Price per Point Per Hour - Gasoline or Electric	1.50

Trucks assigned to a work crew for transportation of men, tools and equipment to be paid for on the basis of the number of hours that the crew works. All other trucks and equipment to be paid for by the hour when available for or actually in use.

W. BID SUBMITTED BY: EXHIBIT "Y CONTRACTORS BID SHEET FIRM (INIT.)

Feb. 1967 Page 6

UNDERGROUND CONDUIT BY (INIT.)

EV-4536-C

DATE.

HOURLY COST ITEMS 30-85

UNIT PRICES FOR LABOR TO INCLUDE OVERHEAD, TOOL EXPENSE, TAXES INSURANCE, PROFIT AND ALL OTHER ASSOCIATED LABOR COSTS

•	Unit Price	Per Hour
TYPE LABOR	Regular Time	Over- Time
Foreman. On The Job or Machine Operator		
Semi-Skilled Labor		
Common Labor		

UNIT PRICES FOR EQUIPMENT TO INCLUDE PROFIT AND ALL ASSOCIATED OPERATING COSTS

TYPE EQUIPMENT	Unit Price Per Hour
4 or 1 Ton Truck	
14-Ton Truck	
1% Ton Truck with Winch	·
Fractor with Semi-Trailer	
Air Compressor, 1-2 Pneumatic Hammer	
2-3 Inch Water Pump	
4 Inch Water Pump	
Blower (Casoline or Electric)	
Pole Trailer or Cable Trailer	
Trench Machine 20 H.P. or Less :	
Trench Machine 21 H.P. or More	
Pipe Pusher or Boring Machine	
Caterpillar Tractor (Bulldozer)	
Vibratory Tamp	h.00
Vibratory Tamp with Roller	13.00
Front End Loader	35.00
Generator 1500 WATT & Over	3.00
Vehicle Mounted Crane	35.00
Crawler Mounted Dragline	

Trucks assigned to a work crew for transportation of men, tools and equipment to be paid for on the basis of the number of hours that the crew works. All other trucks and equipment to be paid for by the hour when available for or actually in use.

# EXHIBIT "A" CONTRACTORS BID SHEET UNDERGROUND CONDUIT

#### BIDDING AGREEMENTS

#### GENERAL

1.01 To attempt to provide "Unit Prices to cover all possible Contract Work would result in a voluminous Exhibit "A" that would prove impractical and burdensome to the field forces to check and administer, and to the Contractors to submit reasonable sound bids.

requiring appreciable time and cost to the Contractor. All work operations not covered-but are associated with "Items" provided, must be considered as incidental, with the cost included in the "Unit Prices."

1.03 The "Unit Prices" on Bid Sheets work must be based on performance of the "Items" of work under normal conditions on a regular time 40-hour work week without any loadings for premium time.

pany, conditions prevail that are considered abormal to the extent that the "Unit Prices" would be equitable to the Contractor or when service requirements or other circumstances impose the necessity of performing the work on an overtime basis, at the discretion of the Telephone Company, the Contractor will be compensated under these conditions solely on the basis of "Hourly Cost" prices for labor and equipment and compensation on "Unit Prices" plus compensation for premium time will not be made.

1.05 The "Unit Prices" listed shall include the cost of all materials furnished by the Contractor that are not standard Telephone catalogue items of material. The contractor will not be compensated for any material arnished by him, except, when at the request of the Telephone Company, he furnishes standard Telephone catalogue items of material. The Contractor will be compensated for such material costs on the basis of actual cost (To include sales tax) plus ten (10) percent. Such materials costs shall be listed on the Contractor's bill in detail as to kind, quantities and price and associated with the appropriate "Items" of work. Separate bills for anaterials furnished by the Contractor are not required.

1.06 The materials furnished by the Telephone Company shall be delivered in whole or parts at such ime as will not delay the Contractor in his work at a socation within reasonable proximity to the work.

1.07 The Contractor shall receipt for and be responsible for proper storage and safeguarding of any

material furnished by the Telephone Company and the Contractor shall reimburse the Telephone Company for any losses from damaged, stolen or lost material due to negligence or improper storage or handling. The cost of unloading large shipments of telephone material and delivering to a location within reasonable promixity to the work shall be borne by the Telephone Company. The cost of any storage space for telephone material or watchman service to protect the material delivered to the Contractor and any miscellaneous expense such as, ferry or bridge tolls, police for traffic direction, etc., shall be borne by the Contractor.

#### 2. **DEFINITIONS**

2.01 "Firm Soil" is defined as any soil that is normally self-supporting; however, deep excavation and the possibility of caving due to vibration may make it advisable to brace or sheet the walls of the excavation.

2.02 "Fluid Soil" is defined as a soil which normally is not self-supporting and generally must be confined by tight sheeting. Quicksands, marshes, soft clay and boggy ground fall in this group.

2.03 "Unstable Soil" is defined as a soil that is partially self-supporting and can be confined by sloping of the shoulders of the trench or partial bracing and shoring without tight sheeting. Filled ground, sandy clays and loamy soils fall in this group.

- 2.04 The following definitions apply to the headings of the columns under "Conduit and Manholes":
  - (a) "Number Ducts" means total number of ducts in formation.
  - (b) "Make-up" means the number of duct multiplies grouped to "make up" the total number of ducts as 15 total ducts would be made up of 1-9 and 1-6 M.T.D. or concrete.
  - (c) "Type" means the type of conduit such as Pipe-Trans-M.T.D.-Con. or others.
  - (d) "Formation" means the arrangement of the ducts in the trench and "W" means the number of ducts wide and "H" means the number of ducts high.
  - (e) "Trench Feet" means the estimated number of trench feet to be placed for each method.

- (f) "Method" means the method to be used in laying the ducts as set forth in B. S. P.
- (g) "Cover" means the cover in inches from the conduit structure, which includes any plank or concrete protection to the street, sidewalk, roadway or other surface level.
- (h) Under manholes all columns are self-explanatory except W-L which means Width-Length.

#### 3. BIDDING INSTRUCTIONS

- 3.01 Unit prices shall be secured to cover each proposed conduit formation and all special construction such as mitered, transportation, splayed, etc.
- 3.02 Space is provided to secure "unit prices" for two methods, 3 and 4 for each conduit formation.
- 3.03 Space is provided to secure "unit prices" for each conduit formation and manholes for three types of soil, firm, unstable and fluid and "unit prices" shall be secured for both methods and all three soil conditions unless it is definitely known that both of the methods will not be required and that all of the soil conditions will not be required.
- 2.04 Unit prices shall be secured to cover all items, "cover in inches", and "headroom in inches" listed in the bid sheets unless it is definitely known that such items will not be encountered and the items will be typed out of the bid sheets.
- 3.05 Bell System Practices provide dimensions for terenches and manholes based on the conduit formation, depth of trenth and types and figures of manholes and compensation for only the number of cubic feet of rock excavation actually required by such dimensions listed in the practices will be paid by the Telesione Company to the Contractor.
  - 3.06 All conduit and manholes shall be constructed in full accordance with the instructions contained in Bell System Practices unles otherwise indicated on detailed plans.
- 3.07 The unit prices for conduit shall include any matching and assembling necessary and any macrial test requirements that do not exceed ten per cent of the total conduit placed.
- 3.08 All conduit shall be mandreled after back-filling and before repaving in accordance with Bell-System Practices and a pulling-in wire furnished by the Telephone Company shall be placed in any duct so mandreled upon request of the Telephone Company at no cost to the Telephone Company. All single type duct

formations shall be splayed at manhole entrances.

- 3.09 The determination of soil conditions and the need for conduit base or protection shall be made by the Telephone Company's Supervisor inspecting the conduit or manhole work with assistance from the Engineer that prepared the Authorization when needed.
- 3.10 The unit prices listed under each type soil shall include the cost of any pumping, bracing, sheeting, shoring, or any other measures required to construct conduit or manholes in such type soil.
- 3.11 The "Unit Prices" per trench for cover in inches listed under conduit are maximum covers for such unit prices and the Contractor will be compensated in accordance with the "unit prices" for each cover as a maximum and compensation for the next standard cover will be made when a standard cover is exceeded. This same agreement shall apply to the "unit price" per manhole for headroom in inches.
- 3.12 The unit prices for constructing conduit and manholes shall include placing all couplings, castings, cable racks, pulling-in irons or other equipment required by Bell System Practices or listed on detail plans.
- 3.13 Where the depth of the conduit causes the manhole to be constructed deeper than required for the desired headroom, the roof of the manhole shall be placed so as to require a normal brick collar which will increase the headroom above requirements.
- 3.14 The Contractor shall be compensated on the basis of Hourly Cost "Items" for labor and equipment as follows:
  - 1. For the cost of removing stumps, logs or other obstructions not ordinarily encountered in conduit or manhole construction.
- 2. For the cost of any test holes required by the drawings, plans or specifications or performed upon a request by the Telephone Company.
  - 3. For the cost of any excavation that is abandoned due to circumstances and conditions beyond the Contractor's control such as subsurface obstructions, changes in plan, etc.
  - 4. For the cost of attempting to rod ducts that prove to have defects or obstructions that prevent normal rodding procedures. (Existing conduit)
- 3.15 The cost of removing or rearranging any subsurface structures of other utilities required to provide clearance for conduit or manholes shall be paid

for by the Telephone Company.

pense, protect telephone service by applying and maintaining gas pressure on all cables that may be subject to damage from conduit or manhole construction.

- 7 Walkways, driveways and roadways may be composed of various bases and toppings. It is intended to use the appropriate combination of unit prices for the various bases and toppings to conform with the actual bases and toppings removed or restored.
- 3.18 Walkways, driveways, and roadways may be composed of bases and toppings of thicknesses arrying from established standards. The unit price listed must be based on the following agreements:
  - 1. That non-standard thicknesses may be encountered in surface removal, and the Contractor will be compensated in accordance with "Unit Prices" listed, for each 2 inch increment or part thereof for removing surface other than concrete and for each standard thickness or part thereof for removing concrete surface and additional compensation for each one inch increment above eight inches.
  - Surfaces will be restored using standard thicknesses. The "Unit Prices" for surface restoration shall include the cost for all material.
  - 3. That the Contractor will be compensated for surface removal regardless of the method of removal (hand or machine).
- 3.19 All surface removal and restoration is to be performed in compliance with City, County, State or Federal requirements and the Telephone Company shall compensate the Contractor in accordance with these requirements and dimensional requirements as pecified in Bell System Practices.
- 3.20 Any surface, sod, or paving that has to be removed and restored because of damage by the Contractor in excess of that required by the above listed regulations or job specifications shall be removed and restored at the Contractor's expense.
- 21. In those instances where the Contractor is under contract to perform all surface restoration, any temporary resurfacing or repaving required during the progress of the job shall be included in the unit prices or surface removal and restoration and no additional compensation shall be allowed the Contractor for such temporary construction.

3.92 In those instances where the Contractor is under contract to perform only surface removal and surface restoration will be performed by others, and temporary repaving or resurfacing is required, it is appropriate that unit prices for such temporary repaving and resurfacing be established to cover local requirements.

3.23 Any temporary walkways, driveways, bridges, or other temporary construction required for vehicular or pedestrian traffic during the construction of underground conduit shall be included in the unit prices for such work and no additional compensation will be allowed the contractor for such temporary construction.

The Contractor submitting this bid, based on the estimated number of units listed on the bid sheets, estimates the total contract cost to be;

\$ 7.821.45 My Mar

Bid Submitted by:

Firm Carl Hankins, Inc.

Pres.
Title

Date December 30, 1985

Carl E. Hankins

ESTIMATE: V5330

Tim

REVISED Const.
Drawings

Southern Bell

319 Main Street

H. C. Isgette
Engineering Manager Distribution

Accounting Manager Room 335A 666 N. W. 79th Street Miami, Florida 33126

Attached are revised Construction Drawings 50 through 58 for Estimate V5330 which was approved February 7, 1986. The drawings have been revised to reflect changes in Plug-ins required for SLC-96 Systems 9026 through 9034.

This estimate provides for replacing the Penney Farms Central Office with Fiber SLC-96 extended from the Green Cove Springs Central Office.

Engineering Manager Distribution

#### TRH/eb

CC: Mr. J. E. Blitchington
Ms Brenda Platt
Mr. Gary Rollins
EMPAC Coordinator
PLRMS
Lanney Newman
Larry Brundage
Gene Darrington
Richard Millington
LM

Attachments



CHANGE SLOT 15/16 TO COIN PLUG CORRECT PLUGTN REQMT'S

155 A, SECTION 928-4[1-5215V

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F01B14Z 00460

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C . Con EXMINIT 7.

ORRECT PLUG TO REAMTS COT/RT Plug-In Data Record

195 A, SECTION 928-411-32150

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F01B14Z 00461

PAD REQUIRED IN RECEIVE SIDE OF WN2C

Assignment Codes (LT Status)

LSU - Long Santets Und CTU + Channel Test Und

DLU - Date Link Unit

MX - Estended Range

S - Single Party M - Multi Party D - All Special Service ME - Hot Equipped T - RPOTS (Smitched Specials) T.W.E ESPOIS

C - Com ERHIELT 7.

Page 13

(MP10) - Indicates Plug Removal WP10 - indicates Plug Placement PAO REQUIRED ON RECEIVE SIDE 00462

COT/RT Plug-in Data Record

155 A. SECTION 928-411-5215V

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_	1	5	3	4	Shelf	1	2	3	4	5	6	7	8 1.	9	10	11	12	· Stot #
COT.	295A	ED3C4 86461	WN12	WMI	10-7-86		WPIO											·cot
RT.		E03C	WW13	WMI	•	NE	wp20 ES	NE	NE	NE	سيري	0 115-	NE	NE	سبيرد وو	NE	NE	. At
	<del> </del>	KN(zn)	TALL	TRU		73/74	75/76	77778	700	81/82	83/84	NE 05/88	87/88	89/90	NE 91/92	93/94	95/96	· Channel #
CO1-		WNIO	WN2C	wn (	(10.7.84)	,,	WPIO		WPIO	WPIO	WPIO	WPIO	WPID	WPIO	WPIO	WPID	WPID	· COT
	1	<del></del>			,		WP20		WPZO	14920	WP20	WP20	WPZU	WP20	WPZO		WPZO	• RT
RI.	WP2	WNII	WN2C	WMI	ا ا	NE	ES	NE	15	ES	ES	ES	E5	£5	ES		£5	LT Slatus
	SSU	CTU	ĹIJ	TRU	]	49/50	51/52	53/54	55/56	57/58	59/60	61/62	63/64	65/66	67/68	69/70	71/72	- Channel #
COT-	295A	WN9	WUIZ	WM1		WPID			WPio	WPIO		WPID						· COT
A7.		10	4. 443.17	14/44 1		WP20		<u> </u>		WP20		WP20						. NI
	295A	WN9		WM I	h	E5	NE	NE	55	85	NE	ES	NE	NE	NE	NE	NE	LT SIMIL
	PU	DLU	TAU	TRU	10-7-86)	25/26	27/28	29/30	31/32	33/34	35/36	37/38	39/40	41/42	43/44	45/46	47/48	· Channel é
OT-	WPI	VAC	WN2C	WMI		WPIO	WPID	WPIO	WPIO	WPIO	WPIO	WPIO	WPID	WPID	WPID	WPIO	WPIO	- 007
ır.	WP)	. ₹	WN2C	WMI	^	wР20 Ë.5	WP20 55	WP2U E.5	WP20 E5	WPZU E5	WP20 E-5	WP20 ES	WP20 E5	WP20	WP20	WP20 ES	WP20 ES	LT Sense
	ACU	rin.	TIO TO	TRU		1/2	3/4	5/8	7/8	9/10	11/12	13/14	15/16	17/18	19/20	21/22	23/24	. Charnel 6

CTU - Channel Test Und DLU . Date Link Und

MX - Extended Range

C - Con ERMAIT 7. CK - Extended Range D - All Special Service N - VF Non Date Part Spec ME - Hot Equipped T - \$POTS (Switched Specials) T.W. 2 ESPOTS

Page 13 DWG 52 07 87

CORRECT PLUG-IN REPORT'S

COT/RT Plug-In Data Record

133 A, SECTION 928-411-5215V

losco	·	./			Date 5	113/8	36/	•	Engineer's trob	" T/	eH.	` `			Authorizioa	153	3 ()	
W+8 (	TER	INEY	FARM	15	540 ED	91041	1 2 1	· -	COT LIN EO C	CODEADSS PAD		U EO CODEADS	S PAD OPT		Males	<del></del>		<del>-:</del>
<u>co c</u>	$\mathcal{G}^{\mathcal{C}}$	SPFL	CN		AT Location	700	EWIS	AVE	7	Opten: A L B								· ·
System	<u> </u>		(FIBE	R.)	AT CLU PA	VFMF	400	23	TRU Open	•	MXU Option: .; (	•		.•				<del></del>
		029			RI Mea /	<u> 3053</u>	31		] .	DID	<i>:</i> 0	010		•				
		535	301- <i>4</i>	100	R1 Sinucture	MAXI-			COT SSU Terrer	ng Option: [: Inte	rnat 🧠 Evigni	igi	1					
	1, II, III)	II '	······································		RT Bay #	1		:	AT SSUTIME	ng Option: 5 Into	nel	•	1	•			<del></del>	
Con	ımon Plug	j-ins				Channel	Unit Plug	j-ins						•				
	1	2	3	4	Shelf	1	2 .	3	4	5	6	7 '	.,,	9	10	11	12	- Sign #
CO1-	295A	ED3C	WNIZ	WMI	10-7-86		, ,											· COT
AT:		ED3C' 86461	WN13	WINI		NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	- RT LT Stetut
		ASK(su)	TAU	TRU	1	73/74	, 75/78	77/16	79/80	01/82	83/84	85/86	87/88	89/90	91/92	93/94	95/96	- Channel #
001-	WP2	WNIO	WN2c	Wml	10-7-86	WPIO		,	·									·cor
		<del></del>		<del> </del>		WPID											-	·RT
M1.	WP2		WN2C	WMI		ES	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	LT Status
	SSU	сти	LIU	TRU		49/50	51/52	53/54	55/56	57/58	59/60	61/62	63/64	65/66	67/68	69/70	71/72	- Channel 8
cot.	295A	WW9	WN12	wnl		WPIO	WP10	WPIO	WPIU	WPIU	WPIO	WPIO	WPIO	WPID	WPIO	WPIO	WPIO	· COT
AT.			WN13	LAW I		WPZU	WPZU	WP20	WPOU	WP20	WP20	WPZU		WPZU	WP20		WP20	· RT
	PU	DLU		TRU	}	55	ES	55		ES	ES	ES	ES	ES.	ES	65	£5	LT Status
		*	TAU			25/26	27/28	29/30	31/32	33/34	35/36	37/38	39/40	41/42	43/44	45/48	47/48	- Chemel 8
CO1-	WPI	YAC.	WN2C	WMI	(0.7-86)	WPIO	WPIO	WPIO		LUPIO				WPID			WPIO	·cor
AT-	WPI	WAC.	1/1100	WM)	<del> </del>	1UP2U P5		WP20 ES		WP20	IUPZO		WPSO		WP2U		1.0920	- RT
-	ACU	rin.	NA VA STO	TRU		112	E_5		55	ES	E5		E5	<i>ES</i>	E5	ES	ES	LT Status
				1110		1/4	3/4	5/6	7/6	9/10	11/12	13/14	15/18	17/18	19/20	21/22	23/24	· Channel #

LIU-Mode I WP18 - Indicates Plug Placeman.

IAU Mode II WP18 - Indicates Plug Placeman.

ILB PAD REQUIRED DN RECEIVE SIDE. E WN2C

DLU - Date Link Und

MIL - Extended Range

C · Com EXHIBIT 7. T - SPOTS (Switched Specials)

Y.W.Z ESPOTS Page 13

COT/RT Plug-in Data Record

155 A, SECTION 928-411-5215V

lessed 		./.			04 5	13/8	6		Engineer's Inc	" TR	14	•		<del></del>	Authonistion	V53.	30		
-	Come PE)	UNEY	FARM	5	540 6	1046	<i>K</i> .	-	COT LU EQ		OP1 'RT LI	U EO CODEAC	S PAD OPT	<del></del> -	Moles				
co	$GCS_{i}$	PFLC	N		AT 1	700 L		AVE			_ cYo_			•	<del> </del>				
	m ippe 5L	C-96	(FIB	5R)		WFM										•			
	System 2 9	030	•	•		3c5			( O10 ( O10							<del></del>			
		635.4	101-50	00		MAXI-			m	ng Option: [;] Inti	rnd 5 Eilen	.al		·	<del> </del>		٠		
	^(i, ii, iii) Z		. :		RT Boy #	1	,,,,,	· · · · · · · · · · · · · · · · · · ·	1	ng Opinion: 5 Inde		•				<del></del>			
Cor	mmon Plug	j-ins		•		Channel	Unit Plug	-Ins	1	<del>,,,,,,,</del>			<del></del>		<u> </u>	<del></del>			
	1	2	3	45.4	Shelf	<u>,, 1</u>	2	] 3	4	5	6	7	• ,.		10	11.	12	- Stot #	
COT-	295A	ED3C	WV12	WM (	(10-7-86)	IUPIO	WPID	WPIO	WPIO	WPIU	WPID	WPIO	WPIO	WPID	WPID	WPIO	WPIO	· CO1	
AT.	1	ED.3C	<i></i>	Jong !		WPZU	WP20	WPZU	WP20	WP20	WP20	WPZU	WP2U	WPSU		WPZO		<del> </del>	
	295A	86461	WN13	WMI	]	E5 .	£5	K5	E5	ES	55	ES	ES	ES.	455	55	45	LT Stonus	
	PU /	1511(su)	TAU	TRU	<u> </u>	73/74	, 75/76	77/76 ·	79/80	81/02	83/84	85/86	87/88	89/90	91/92	93/94	95/96	· Channel #	
OOT-	WP2	WUID	WND F	WMI	10.7.86		WPID	WPIO	WPIO	WPID	WPID	WPID	WPIO	WPID	WPIO	WPID	WPID	• COT	
FT.	WP2		14440 =	<del>                                     </del>		ļ	WP20		WP20	סבקעו	WPZO	WP20	T-2":	WP20		<del> </del>	WP20	- AT	
-	<del> </del>	וועש	WN2C	WM/	1	NE	ES_	£5	£5	£5	ES	<i>ES</i>	E5	£5-	Ē5	55	£5	LT Stolus	
	SSU	CTU	TIO.	TRU		49/50	51/52	53/54	55/56	57/58	59/60	61/62	63/64	65/66	67/58	69/70	71/72	· Channel #	
COT-	295A	WN9	WN12	WMI														· cor	
RT.	295A	WN9	WN13	WAL	. •					<u>.</u>								· AT	
	PU					NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	LT Simus	
	<del> </del>	DLU	TAU	TRU		25/26	27/28	29/30	31/32	33/34	35/36	37/38	39/40	41/42	43/44	45/48	47/48	- Channel #	
:OT-	WP/	IVAC.	WN2C	JUM (						WPID		WPID		WPIO				· cor	
AT.	WPI	VAC	LIVOS	14/41						WP20			WP20					·AT	
	ACU	۱۱۷۰ د ۱۱۷۰	WN2C	WMI		E5			FS	£5 .	ĔS	<i>5</i> 5	ES	E5	NE	NE	NE	LT Status	
Optone	<u>!</u>		LIU -Mede I	ţAU		1/2 Eales Plug Roman	3/4	5/6	7/8	9/10	11/12	13/14	15/16	17/18	19/20	\$1/22	23/24	· Charnel #	

LRJ-Mode II
1AU-Mode II
MYII-Mode II

WP10 - Indicates Plug Placemen

Common Equipment Unit

Assignment Codes (LT Sistu

THE WINZE

PU = Power Convertor Une SSU = Special Service Une ACU = Alerm Control Une

SU o Line Sinich Und SU o Channel Test Und

CTU - Channel Test Und DLU - Data Link Und EIU o Line Interfece Unit TRU o Transmit - Receive Unit MXU o Multales Unit (Mede M)

TAU - Time Assignment Und (Mod

SX - Estended Range M - Multi-Party MX - Estended Range

C · Com Exiliate 7-

E · Equipped

CX - Extended Range
D - All Special Service
R - NF Hen Date Part Special
NE - Not Equipped
T - SPOTS IS-wiched Specials

Y.W.Z EXPOSE Page 13 COT/RT Plug-In Data Rec

Issue 4		1			Date	5//3	186	7	Engineer's Imma	"	RH				-	V 533	0	
Wee Co	PENI	VEY ,	FARM	5	Sale 40	6104	شه 1/4		COT LIU EQ CI	DOEALOSS PAG	OPT RF (IU	EO COGEAGS	FAD OPT		Holes:	• • •		<del></del>
COC		PFL			AT Location	00'L		AVE	LIU Eiror Raio (	20 XA :mondo	_c.Yo=+	X		Į				
Symen		0-96		R		FMF			IRU Owen: "	D4 1	JAU Open C D	•		ļ		:		
COI Sr		131			RE Alea #	3C55	31		:	O:0	C 0	1D ,		ļ		<del></del>		
PG CAD	a & Range PC	535, 5	501-60	00 :	Rf Seructure	nAXI.	HUT		COT SSU Times	g Option: 🗆 Inter	ret C Esterni	4 *						<u> </u>
Mode (I	0.90	II			AT Bay #				AT SSU Tames	g Opinon. I later	nal .						<del></del>	
Com	mon Plug	·Ins				Channel	Unit Plug	-Ins	•		•						<del></del>	
	1	5	3	4	Shell	1	2	. 3	4	5	6 '	7	•	9	10	- 11	12	- S-ca +
COT-	295A	ED3C	WNIZ	wml	(10-7-84)													· CO1
		EDEC				<u> </u>		<b> </b>		44 1				4 2 .	# 10th	NE		LT Status
AT.		26121	WN13	WM ]	,	NE	NE	NE	NE	NE	NE	NE	NE	NE	NES	*	NE	- Channel #
	PU ,	Asulsu)	TAU	TRU		73/74	75/76	77/78	79/80	81/82	83/84	85/86	87/68	89/90	91/92	93/94	95/96	· cor
cor.	WPZ	WUID	WN2C	WMI	10-7-86	WPIO	· · · · ·	ļ				<u></u>	[		<u> </u>	<b></b>		·AT
	WP2	<u> </u>	WNZC	umi	ء [	WP20 E5	4 1000	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	LT Status
	SSU	CTU	Liu Liu	TRU	1	49/50	NE 51/52	53/54	55/56	57/58	59/60	61/62	63/64	65/68	67/68	69/70	71/72	· Channel #
					<del> </del>	WPIO		WPIO	WPID	WPIO	WPIO	WPIO	WPIO	WPIO	WPIO	WPIO	WPIO	- 601
CO1.	295A	WN9	WN12	MWI	↓.	WP2U	WP20	WPSO	WP2U	WP20		WPZU	WP20		WP20		WP20	· AT
AT.	295A	WN9	WNB	WM)	• •	£5	E5	£5		Z5	E.5	ES	E5	ES	ES	ES	£5	LT Status
	PU	DLU .	TAU	TRU	1	25/26	27/26	29/30-	31/32	23/24	35/36	37/38	39/40	41/42	43/44	4\$/46	47145	. Channel #
COT-	11101	<del></del>		Ide OA L	(10.7.81)	WPIO	WPO	WPIO	WPIO	WPIO	WPIO				<u> </u>	WPID	WPID	· cor
	WPI	! YIC	MNJC	WMI		WP2U		1	WP20		WP20		i		<u> </u>	WPLO	WPZU	· AT
Al-	WPI	i. VAC.	WNZE	WMI	T ^*	ES	E5.	E5	ES	E5	ES	NE	NE	NE	NE	ES	E5	LF Status
	ACU	FIN.	LIU	TAU	1(U)	1/2	3/4	5/6	7/8	\$/10	11/12	13/14	15/16	17/18	19/20	21/22	23/24	· Channel #
*Opt-on-	, , , , , , ,		U-Mode I	·	(WF10) - Mc	I-Cales Plug Remo	>4					Favoreni Uni				Assignment	Cades JLT Slow	1)

7/2 db PAD REQUIRED ON RECEIVE SIDE OF MNZC DOG 35, 501-502 RESERVED FOR DATA & TALK CHANNELS OF REMOTE MEASUREMENT LIKHT.

C.Con EXHIBIT 12

Page 60

LSU . Line Smith Und

DLU - Data Line Unit

CTU - Channel Test Und

F01B1 42 00466

T - SPOIS (Suntered Special

Page 60

T.W. E ESPOTS

MX - Essented Range

C · Con

EXHIBIT 12

CTU - Channel Test Und

Y. W. Z ESPOIS

Page 6f

C.Com EXHIBIT 12

IBU Omica: " Di

CABINET

'. D:0

COT SSU Timing Option: @ Internal AT SSU Timing Option. I Internal

FARMS

-96 COPER EXT.

PG Code & Range PG 3 7,1-100

RESERVE SLOTS 17 THRU 24 FOR SPECIAL SERVICES.

COT/RT Plug-In Data Reci

L'OT LIU EC COGENOSS PAD CIPT___ RT LIU EQ COGENOSS PAD CPT__

(10.7-86) - CORRECT PLUG-IN REGINTS

C 010



Mark ating		1. Date Mailed	10. 0-0	3. M.M.C.	4. Customer Contact	
	Request For	2-18-86	NF 86-7036		Ron Bigelow	
A Special A	ssembly		'nc		7100 West Cam	ino Peal
ity	State	ITel. No.	inc.	The Resident	COther Areas In Which S	
Boca Raton	FL	( 305) 392-2		as request	Cana was made and a security	
Description of:						
			. 6			
		c. with request: (Typ t: Daxs	· <u>-</u>		] ESS	Biate Generic)
B. Present G.U.	Macc. with reques	E 11848	□ X-Ber	-	J 600	brate commict
Description Of Ed Telephone Nois, C	quipment Or Servic Connection To CPE	a Requested Includ L Etc. If Rate Stabiliz	ed Skatches And/Or A ation Of Tariffed Item.	ttachments, i s is Requests	Method Of Operation Der id, Provide All USOC's.	sired, Multi-point
		access circui		.a ba Ja	cated within 100	for at the
Jacksonvil		enerator mir			cuits will have	
DS3 interf	ace while th	e other would	be a direct	plice or	ptical interface	These ci
will use e	ither existi	ng fiber or p	planned fiber i	or the I	SellSouth Commun	ications
Network (B	SCN) schedul	ed for comple	etion in 3086.	Custome	er projects a gr	owth need
				ear rate	e stablized cont	ract with f
year renew	al option an	nd low upfront	charges.			
		EX	PEDITE PER:	101	1. 1	
	•			UP. 7.	Martin the	
			_	.R. Satt		
		1			t Vice President	<b>.</b>
		•	G G		t Vice President	
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Carketing Assessm	nent Of Customer t	Willinghess To Purch		<u>ا</u>		•
		Willingness To Purch	fo	Appropriate	k j	
Non-Recurring Ch		· · · · · · · · · · · · · · · · · · ·	fo	<u>ا</u>	k j	
Non-Recurring Ch	randes. 8	· · · · · · · · · · · · · · · · · · ·	fo	Appropriate	k j	
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Non-Recurring Ch Additional Inform Requested Paym	ation Relevant To A	Above:	LESE: (State & Range, If  Recurtions	Appropriate) ng Charges: 8	) 	- <u>-</u>
Non-Recurring Ch Additional Inform Requested Paym 3. Miscellaneous	ation Relevant To A	Above:	LESE: (State & Range, If Recurtif	Appropriate) ng Charges: 8	) 	
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F01B14Z 00472

Attachment to Rates Transmittal Letter Special Assembly Case NF86-7036-1 for

**(**>

Provide

Detween

Detween

Dacksprville, Fla. and Green Cove Springs Repeater site

To handhole). 60 month minimum service period for initial with rate stabilization. Subsequent DS3's have a concurrent contract expiration with initial DS3's. This price quote only valid when service specified in case NF86-7035-1 is ordered. Specific service date to be determined as construction progresses. Anticipated service date is about October '86. Additional 60 month service period can be initiated within 120 days prior to contract expiration. Price will be adjusted according to latest CPI change issued by Government. Price for subsequent DS3's is applicable if ordered now for a service date within 30 months of service date of initial DS3's.

# Single-Mode Fiber Cable Completion Loss Test

Authorization No. EV 4534	Cable Identification KEYSTONE - C-REEN COU
Route Name Or Wire Center KEYSTONE HEIGHT	S District
Test Date 07/24/86 08/08/86	
Detector Location A REGEN. STATION	Detector Location B FEYSTONE ( ).
Detector Operator MFH	Laser Operator AJE
Estimated Loss	Unit or Slot No.

)

Estimate		MFH	Unit or Siot No.					<u>-                                      </u>	
Fiber	Det	ector Locatio	n A	Det	ector Locat		Lowest of 3 Reading	gs at Each Location	Outside Plant Fiber Loss
Number	11	2	3	1	2	3	A	8.	(A + B) + 2
1	14.50	14.19	14.11	16.12	16.61	15.70	14.11	15.70	14.90
2	13.05	12.50	13.36	14.43	14.35	13.85	12.50	13.85	13.04
3	13.80	13.59	14.76	14.50	14.74	15.52	13.59	14.50	14.04
4	14.89	14.30	14.75	16.74	16.56	15.86	14.30	15.86	15.08
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24									_

# Single-Mode Fiber Cable Completion Loss Test

تعر	tion No.	V-453	36			Cable Identification GCSPCN-KYHGMA 5R, 1-6						
\(\bar{\pi}\)	THE OF WITE	Center N COUE	SPRING	S-PENN	EY FARMS	District W	EST JA	CKSONVIL	LLE			
Date						Test Section L	1	24.90	) <u>km</u>			
-	Location A GREE	N COV	E SPRI	NGS C	.0.	Detector Loca LSC/7 Laser Operato	- WEEKS	RD .	••			
_	Operator			. <u></u>		Unit or Slot No						
ेत. 	d Loss	5,2 ector Locatio	76 d B	·. Det	ector Locat		Lowest of 3 Readin	gs at Each Location	Outside Plant Fiber Loss			
er nber	1	2	3	1	2	3 .	· A	В	(A + B) - 2			
1	14.60	1391	13.70	10.50	10.97	10.14	13.70	10.14	11.92			
	14.17						13.49	10.01	11.75			
<b>\</b> -	13.75	13.59	13.93	10.34	9.90	9.75	13.59	9.75	11.67			
		14.30	14.70	9.95	9.82	10.27	13.85	9.82	11.84			
							14.50	11.15	12.83			
8		1			4		13.36	9.80	11.58			
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22												
23								E0.7	P148 00485			
24								F01	LB14Z 00475			

BID SUBMITTED BY:

## EXHIBIT "A"

Feb. 1967 Form 673

FIRM	(INIT.)_	E	G	T
	(			1
DV /IN	JTT 1	1 K	20	

CONTRACTORS BID SHEET

BURIED CABLE

DATE 12/20/85

HOURLY COST ITEMS

UNIT PRICES FOR LABOR TO INCLUDE OVERHEAD, TOOL EXPENSE, TAXES, INSURANCE, PROFIT AND ALL OTHER ASSOCIATED LABOR COSTS

			Unit Price Per Hour	
<u></u>	Type Labor	•	Regular Time	Over- time
Foreman, on the Job or l	Machine Operator		xxx	ххх
Semi-Skilled Labor			xxx	XXX
Common Labor			xxx	xxx
1	•			

UNIT PRICES FOR EQUIPMENT TO INCLUDE PROFIT AND ALL ASSOCIATED OPERATING COSTS Trucks assigned to a work crew for transportation of men, tools and equipment to be paid for on the basis of the number of hours that the crew works. All other trucks and equipment to be paid for by the hour available for or actually in use.

Type Equipment	Unit Price Per Hour
% or 1 Ton Truck	· xxx
1%-Ton Truck	xxx
1½ Ton. Truck with Winch	xxx
Tractor with Semi-Trailer	xxx
Air Compressor, 1-2 Pneumatic Hammer	xxx
2-3 Inch Water Pump	xxx
4 Inch Water Pump	×xx
Blower (Gasoline or Electric)	xxx
Pole Trailer or Cable Trailer	xxx
Trench Machine 20 H.P. or Less	xxx
Trench Machine 21 H.P. or More	xxx
Pipe Pusher or Boring Machine	xxx
Caterpillar Tractor (bulldozer)	xxx
Well Point System Complete-Price per point per hour	1.50
Vibratory Tamp	4.00
Vibratory Tamp with Roller	13.00
Front End Loader	25.00
Generator 1500 watt and over	3.00

H. C. Isgette
Engineering Manager Distribution





Palatka, Florida April 29, 1986

Ref: Permit Number 2JU5299

State of Florida Department of Transportation Mr. Don Drury 838 Ellis Road Jacksonville, Florida

Dear Mr. Drury:

Attached are three copies of a revised permit drawing indicating cutting and restoring 25 feet of asphalt at S.R. 16A along S.R. 16 west of Green Cove Springs. Southern Bell has attempted to bore this street as shown on the original permit application. The bore cannot be made due to obstructions under the pavement.

If additional information is required please call T. R. Herb at 904-325-9009.

Yours truly,

Engineering Manager -

Distribution

TRH/eb

Attachments

H. C. Isgette
Engineering Manager Distribution



Palatka, Florida May 6, 1986

Mr. J. C. Miller Operations Manager Room 15JJ1 Southern Bell Tower 301 West Bay Street Jacksonville, Florida 32202

Attn: Jack Botterbusch

Dear Jack,

Attached is a request for 39 zero dB attenuators required for completion testing of fiber cable placed on estimate V4536. Should you have any questions, please contact Tim Herb at 904-325-9009.

Yours trul

Engineering Manager -

Distribution

TRH/eb

Attachments

# CABLE BUILDOUT REQUEST

OR IDENTIFICATION.		Prepared by: 7, R,	HERE
District Code ID:		Date 5/7/86	· · · · · · · · · · · · · · · · · · ·
Wire Center Name GREEN CON	E SPRINGS		
TAL OFFICE TERMINAL		REHOTE TERHINAL	
Cepter Area 31304		Area #	·
Wire Center CLLI GCSPFLCN		CLLI .	
		Ship To: HIDC CLLI	
CODE	ATTENUATION	· co	RT
•	LEVEL	YIITKAUP	QUANTITY
Barrel Type		e de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de	
/ *imode 825/8750m:	•		
. \$01A1	, 2-8 dB		
401B1	10-13 dB	•	
401C1	15-18 dB		<u> </u>
401D1	. 20-23 dB	<u> </u>	
401H1	O dB	· · · · · · · · · · · · · · · · · · ·	
Multimode 1300nm:			•
501A1	4-6 dB		
501B1	6-8 dB -	·	
50101	8-10 dB		
501DI	10-12 dB	<u>"</u>	
501E1	12-14 dB	<u> </u>	
501F1	14-16 dB		•
501H1	O dB	<del></del>	
Singlemode 1300nm:			•
·(: 501A1	2-4 dB	· ••	
601B1	4-6 dB		
601C1	6-8 dB		<del></del>
601D1	8-10 dB	<del></del>	
601E1	10-12 dB		-
601Hl multimode sleeve	. 0 dB		
insertion loss	0.3 dB		
601S1 singlemode sleeve	O dB	18	
insertion loss	0.7 dB	*	<del></del> .
		·	
Cable Trace			
Cable Type:		•	
Multimode 825/875nm:		•	
400A ·	5-8 dB	<u>.</u>	
400B	10-13 dB		
400C 400D	15-18 dB		
400D	20-23 dB		
Hultimode 1300nm:		* *** * **	
500A	.4-6 dB		
500B - ·	6-8 dB	<del></del>	
500C	8-10 dB	<del></del>	
5000	10-12 dB	<u> </u>	
500E	10-12 dB		
" : .500F	14-16 dB	<u> </u>	
1.		<del></del> •	
glemode 1300nm:			•
600A 600B	2-4 dB		<del></del>
600C	4-6 dB	<u></u>	<del></del>
600D .	. 6-8 dB		
	8-10 dB 10-12 dB	•	
( × 000E	10-12 05		<del></del>

# CABLE BUILDOUT REQUEST

OR IDENTIFICATION		Prepared by: T, R, F	IERB
District Code ID:	···	Date <u>5/7/86</u>	
Wire Center Name ORANGE P	ARK		
TRAL OFFICE TERMINAL	• .	REHOTE TERHINAL	•
i Center Area 3/307		Area #	
Wire Center CLLI ORPKELM	A	CLLI	
		Ship To: HIDC CLLI	
CODE	ATTENUATION LEVEL	CO QUANTITY .	RT QUANTITY
Barrel Type	•	•	••
/ imode 825/875nm:			
(;01A1	• 5-8 dB	·	
401B1	. 10-13 dB		•
401C1	15-18 dB		• • • • • • • • • • • • • • • • • • • •
401D1	. 20-23 dB		
401H1	O dB		
Multimode 1300nm:		•	•
501A1 .	4-6 dB	•	
501B1 .	6-8 dB ·		
50101	8-10 dB	- · · · · · · · · · · · · · · · · · · ·	
501D1	10-12 dB		
501E1	12-14 dB		
501F1	14-16 dB	<del></del>	
501H1	O dB		
Singlemode 1300nm:	•		
- C SOIAI	2-4 dB		
601B1	2-4 GB 4-6 dB		
601C1	4-6 dB	<del></del>	
601D1.	8-10 dB	<del></del>	
601E1	10-12 dB	<i>,</i> ———————— .	
- 601H1 multimode sleeve	0 dB		
insertion loss	0.3 dB		<del></del>
601S1 singlemode sleeve	0.5 dB	15	• •
insertion loss	0.7 dB		· <del></del>
, 113411144 1033	0.7 45	÷	
Cable Type:			
Hultimode 825/875nm:		•	
400A ·	5-8 dB		
400B	10-13 dB		
€ 400C	15-18 dB		
400D	20-23 dB		
Multimode 1300pm:	·		<u>.                                      </u>
500A	6-6 40		
500B	4-6 dB 6-8 dB		
5000 _	8-10 dB		
500D	10-12 dB		<del></del>
500E	10-12 dB		<del></del>
_ 500F -	14-16 dB	•	<del></del>
alanda 1200as			. ———
glemode 1300nm: 600A			
6008	2-4 dB		
9000	. 4-6 dB		
600D · ·	6-8 dB		
- Enne	8-10 dB	-	·
( :- · · · · · · · · · · · · · · · · · ·	10-12 dB		<del> </del>

# CABLE BUILDOUT REQUEST

OR IDENTIFICATION	· ·	Prepared by: 1,R,	HERB
District Code ID:		Date 5/7/86	
Wire Center Name PENNEY	FARMS		
	_	REHOTE TERHINAL	•
TRAL OFFICE TERHINAL 3 202	5	Area #	
Wire Center CLLI PNFMFL		CLLI ·	
•	•	Ship To: MIDC CLLI	
CODE	ATTENUATION LEVEL	CO QUANTITY	RT QUANTITY
Barrel Type		•	•
timode 825/875cm:			
. ( 401A1	' 5-8 dB		
401B1	10-13 dB	·	<u> </u>
40101	. 15-18 dB		
401D1	. 20-23 dB	· · · · · · · · · · · · · · · · · · ·	
401H1 .	O dB		•
Multimode 1300nm:			•
501A1	4-6 dB		
501B1	6-8 dB ·	•	
50101	8-10 dB		
501D1	10-12 dB	<del></del>	
-501E1	12-14 dB	<u></u>	
501F1	14-16 dB	•	
501H1	0 dB		
Singlemode 1300nm: -( 601A1	· 2-4 dB	* * * * * * * * * * * * * * * * * * *	
601B1	4-6 dB	•	·
601C1	6-8 dB	<del></del>	<del></del>
601D1	8-10 dB	<del></del>	<del></del>
601E1	10-12 dB		<del></del>
601M1 multimode sleeve	0 dB	<del></del>	
insertion loss	. 0.3 dB		<del></del>
601S1 singlemode sleeve	O dB	6	
insertion loss	0.7 dB	• • • • • • • • • • • • • • • • • • •	· · · · · · · · · · · · · · · · · · ·
Cable Type:	•••		
Hultimode 825/875nm:			
400A ·	5-8 dB		
Annr	10-13 dB	<del></del>	
400C	15-18 dB		
400D	20-23 dB	**************************************	
	•		
Hultimode 1300nm:			
500A 500B	4-6 dB		
_ 500C	6-8 dB		
500D	8-10 dB	. <del></del>	
500E	10-12 dB 12-14 dB	<del></del>	
500F	14-16 dB	<del></del> .	<del></del>
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aglemode 1300nm:			
600A	2-4 dB		
600B	4-6 dB	-	
600C	6-8 dB		
600D f - 600E	8-10 dB	<del></del>	·
600E	10-12 dB	. <del></del> ′	<del></del>



# Southern Bell

20th Floor Southern Bell Tower 301 W. Bay Street Jacksonville, Florida 32202

W. H. Bellinger General Manager -Network/North Florida

April 29, 1986

File: 612.10E

Mr. J. C. Hastings Operations Manager Comptrollers Jacksonville, Fl.

Dear Sir:

( ·

Attached is a bid sheet numbered 58 Which we would like to add to Individual Contract 1-35-86. This additional page provides for the joint trench placement of our cable and one for We also would like to raise the Not To Exceed amount or the contract from \$177,770.51 to \$188,143.91 to accommodate the additional cost.

We will recover this additional cost along with \$1220.40 and half of the surface restoration cost where we share a common trench with . Our Engineering Start has negotiated an agreement with to recover these monies.

Yours truly,

General Manager Network/North Florida RECEIVED MAY 06 1986

> ENGINEERING JKVL. NW GROUP

Bid Sheet Page 58

Place approximately 12,204 feet Fiber Optic Cable in the same trench with Southern Bell Cable on Southern Bell's Engineering Authorization V-4536.

4. Price to include placing a 4" plastic tape with:
5 Cable, splice pits for a cable and setting splice boxes.

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8

II

Cable. Plastic Tape and splice boxes to be furnished by

Southern Bell's Cable is to be placed with 36" of cover and cable is to be placed 4" above Southern Bell's.

· Price per foot

July V

J. C. Miller
Operations Manager - Distribution
Engineering/Assignment/Capital

May 20, 1986

File: 240.0750

TLZ BJY

FEF JA

NG TSC

PGM CIRCULATE

COPY FOR HCI

MAKE COPIES

JLN FILE

Southern Bell
Room 15JJ1. Southern Bell Tower

301 W. Bay Street Jacksonville, Florida 32202

(904) 350-2668

COPY FOR HCI MAKE COPIES FILE

Mr. H. E. Downing Engineering Manager Gainesville, FL

√Mr. H. C. Isgette
Engineering Manager
Jacksonville, FL

Dear Sir:

( ;

**(*** .

Attached is a confirmation letter to justify your expenditures on the project to establish two (2) DS3 circuits between Gainesville and Jacksonville. The service date is October 1, 1986.

If there are any questions, please contact Mr. W. Kuhlewind on 904-350-3132.

Yours truly,

Operations Manager -Engineering

WAK:bs 6/0

CC: Mr. J. Brady Mr. J. Gray Mr. C. Dykes

RECEIVED
MAY 2 0 1985

ENGINEERING JKVL. NW GROUP May 14, 1986

Memorandum to:

Mr. Ted Seidel

Senior Engineer-IFCPC

Subject:

4

( ...

(:::

POPs in Jacksonville and Gainesville

This is to confirm plans to establish from to GSVLFLMA and from to JCVLFLCL as outlined in the serving plans dated 4-8-86 and 4-7-86. As discussed, this customer is anticipating a circuit service date of 10-1-86. Please let me know of any problems encountered in meeting this date.

You may phone me on 492-1770 if you have any questions concerning this reply.

Elaine A. Bruce

Staff Manager-INACC

MAY 16 1986 STAFF MANAGER ENGINEERING H. ( ) Isgette Engineering Manager -Distribution



Palatka, Florida May 21, 1986

Mr. J. C. Miller Operations Manager Room 15JJl Southern Bell Tower 301 West Bay Street Jacksonville, Florida 32202

Dear Jack:

(

( . .

Please cancel our request of March 4, 1986 to acquire a lease from Camp Blanding along State Road 21 crossing Turkey Trot Road. The proposed fiber cable has been buried in State Road right-of-way and the lease is no longer required.

Attached is a site location sketch and Form 8500 as originally submitted. If additional information is required, please contact Tim Herb at 904-325-9009.

Yours truly

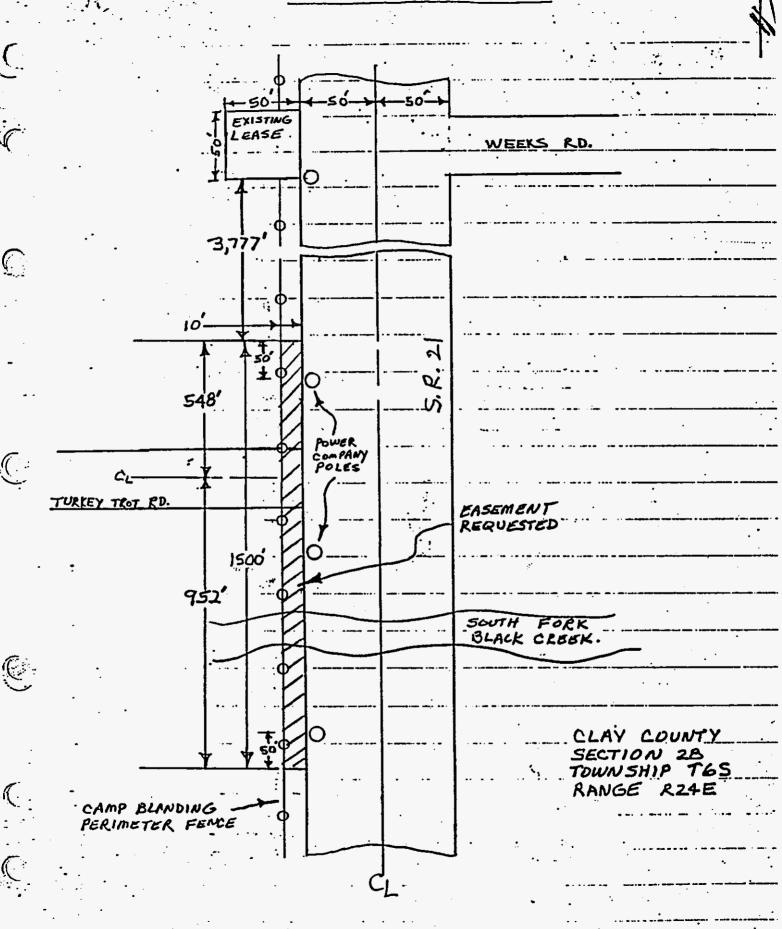
Engineering Manager -

Distribution

TRH/eb

Attachments

# CANCEL REQUEST



.··	CANCEL REQUEST
<del></del>	OPTIONAL FORM FOR DISTRIBUTION DISTRICT MANAGER TO USE
	QUESTIONNAIRE - REAL ESTATE CONSIDERED FOR ACQUISITION
Exch	ange: ENNRY FARMS Location of Parcel: 3.R.21 AT TURKEY TROT ROAD.
Prop	osed Use of Parcel: BURIED FIBER CABED rder of Preference: CHOICE
	cation No.:4210/4216 Project Eng.: TRH Tel. No.:(904) 325-9009
Owne	STATE OF FLORIDA T:DEPT. OF MILITARY AFFAIRS Address: STATE ARSENAL, ST. AUGUSTINE, FL
DESC	RIPTION OF PARCEL
1.	Neighborhood (Business or Residential - Excellent, Good, Fair, Poor):
	RURAL
2.	Elevation info.
3.	Zoning Regulations (Zoning District - Change Required?): NONE
4.	Bldg. Setbacks Req'd. by Zoning, Ordinance, PUD, etc.: N/A
	Front, rear, sides
5.	Electric Power available at the Site?: YES Where WEST SIDE A
6.	Type of Acquisition:Easement;LeasePurchase*
7.	Do you know if any Deed Restrictions or Restrictive Covenants that
	will not allow a Tel. Bldg? <u>NO</u>
COST	<u>rs</u>
8.	Price (Free) or Price\$
9.	Extraordinary Site Costs • \$
10.	Other (Removal of Exist. Improvements, Etc.)
11.	If not located at optimum point Outside Plant Penalty \$
12.	TOTAL \$
OTU	ED DEDTINENT DATA

(

Parcel Measurements: 15,000 Square Feet:

I have reviewed this site and find that it is a viable choice for a bline site.

*Refer to R/W Coordinator for further handling.

#### JOINT TRENCH AGREEMENT

	THIS AGREEMENT, executed this day of
	1986 -1985 between Southern Bell Telephone and Telegraph Company, a
	corporation organized and existing under the laws of the State
5	of Georgia, hereinafter called Southern Bell, and
	Incorporated, a corporation organized and existing under
	the laws of the State of Florida, having its principal office
3	in the city of , hereinafter called

# WITNESSETH ARTICLE I BUN HID

WHEREAS, Southern Bell and desire to place buried communications cables along State Road 21 northeasterly of Keystone Heights from Immokalee Road to Southern Bell regenerator location in Section 21, T6S, R24E, a distance of approximately 14 miles; and

WHEREAS said buried communications cables can be easily and economically placed simultaneously in the same trench; and

11

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19

WHEREAS both Southern Bell and will both benefit from the simultaneous placement of said cables in the same trench;

NOW THEREFORE, In consideration of the mutual covenants, terms and conditions herein contained, the parties do hereby mutually convenant and agree as follows:

RECEIVED

ENGINEERING JKVL. NW GROUP

#### ARTICLE II

#### CONTRACT FOR PLACEMENT

1. It is expressly agreed that all engineering costs

pertaining to the placement of the buried cables described

in Article One shall be divided (50%) fifty percent Southern

Bell and (50%) fifty percent

AS described IN ATTACHED EXHIBIT

(

- 2. Southern Bell has awarded a contract for placing its buried cable to the lowest bidder of a pool of qualified contractors. Southern Bell will negotiate with said contractor a price for placing both Southern Bell's cable and Microtel's cable simultaneously in a common trench.
- responsible for the cost to perform the work described in

  paragraph 2 above, however, shall reimburse Southern

  Bell for all costs directly arising from the placement of the

  cable and associated items; furthermore,

  shall reimburse Southern Bell for one half of all costs arising

  from work which jointly benefits the placement of both parties'

  facilities and the share of the costs shall be paid to

  Southern Bell within fifteen(15) days of receipt of bills from

  Southern Bell.
  - 4. It is expressly agreed that both parties shall be individually responsible for obtaining from the appropriate public and/or private authority any required authorization to construct, operate, maintain, and/or repair its communications facilities.

#### ARTICLE III

#### MANHOLES AND FIBER OPTIC SPLICE HANDHOLES

- 5. It is expressly agreed that Southern Bell shall be the sole owner of one proposed manhole, and shall be solely responsible for the maintenance and repair of said manhole.
- 6. It is expressly agreed that shall be the sole owner of two handholes and shall be solely responsible for maintenance and repair of said handholes.

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- 7. It is expressly agreed that shall allow

  Southern Bell employees, agents or contractors to work on fiber

  PROVIDED THAT HAS BEEN NOTIFIED

  optic splices in said handholes, AT LEAST 24 HOURS PRIOR TO ACCESS OF A
- 8. It is expressly agreed that Southern Bell shall not be liable to its employees, contractors and/or employees, or affiliated companies for any personal injury or property damage allegedly arising from the condition of said manholes and/or fiber optic splice handholes or Southern Bell's failure to maintain or repair said manhole and/or fiber optic splice handholes.

9. It is expressly agreed that ... will notify Southern Bell within twenty-four (24) hours of discovery of any defect or problem relating to the condition of said manholes and/or fiber optic splice handholes.

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## ARTICLE IV

#### SPECIFICATIONS

10. It is expressly agreed that all communications facilities shall be placed and maintained in accordance with the requirements and specifications of the current National Electrical Code (NEC), the National Electrical Safety Code (NESC), all of which are incorporated by reference in this Agreement, the rules and regulations of the Occupational Safety and Health Act (OSSHA) and any governing authority having jurisdiction, if dual specifications exist, the more stringent shall apply.

#### ARTICLE V

#### REPAIRS

- 11. It is expressly agreed that in the event both parties' facilities are damaged, Southern Bell shall select a qualified contractor to perform the excavation operations necessary to effect repairs to the damaged facilities.
- 12. It is expressly agreed that Southern Bell shall be responsible for all costs directly arising from the repair of Southern Bell's facilities; shall be responsible for
- 10 all costs directly arising from the repair of

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facilities; Southern Bell and shall each be responsible for one half of all costs arising from work which jointly benefits the repair of both parties facilities; and each party shall make payment directly to the contractor or, at Southern Bell's option, Southern Bell may reimburse the contractor directly and bill an appropriate share of the cost.

5

#### ARTICLE VI

#### ASSIGNMENT OF RIGHTS

- provided in this agreement, neither party hereto shall assign or otherwise transfer this agreement, in whole or in part, without the written consent of the other party; provided that either party shall have the right without such consent, (1) to lease or transfer any of its rights or property to another corporation organized for the purpose of conducting a business of the same general character as that of such party, or (2) to enter into any merger or consolidation; however, that subject to all of the terms and conditions of this agreement, either party may without such consent permit any corporation conducting a business of the same general character as that of such party, with which it is affiliated or connecting with it, the rights and privileges of this agreement in the conduct of its said business.
- B. The wires and cables of each party hereto or of others permitted by this agreement shall at all times be and remain its or their property, with the full right of removal, and shall not become subject to any liens against the other party.

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(*)

#### ARTICLE VII

#### TERM OF AGREEMENT

14. Subject to the provisions of Article XIV herein, this agreement shall continue in full force and effect for perpetuity.

#### ARTICLE VIII

#### WAIVER OF TERMS OR CONDITIONS

15. It is expressly agreed that failure of either party to enforce or insist upon compliance with any of the terms or conditions of this agreement shall not constitute a general waiver or relinquishment of any such terms or conditions, but the same shall be and remain at all times in full force and effect.

#### ARTICLE IX

#### **DEFAULTS**

16. It is expressly agreed that should either party default in any of its obligations under this agreement and such default shall continue thirty days (30) after notice thereof in writing from the other party, then in addition to any other remedies the non-defaulting party may have for breach of contract, the party in default shall defend, hold harmless, and indemnify the non-defaulting party for all claims, losses, expenses, actions,

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causes of actions made against the non-defaulting party resulting from the default.

#### ARTICLE X

### SERVICE OF NOTICES

17. It is expressly agreed that whenever in this agreement
notice is provided to be given by either party to the other,
such notice shall be in writing and given by letter mailed, or
by personal delivery, to Southern Bell at its office at
at, Florida, or to such other
address as either party may, from time to time, designate
in writing for that purpose.

# ARTICLE XI

### SUPPLEMENTAL ROUTINES AND PRACTICES

18. It is expressly agreed that nothing in the foregoing shall preclude the parties to this agreement from preparing such supplemental operating routines of working practices as they mutually agree to be necessary or desirable to effectively administer the provisions of this agreement.

8

#### ARTICLE XII

#### IDENTIFICATION OF CABLE

19. It is expressly agreed that shall place a four-inch wide colored plastic tape with their cable for the entire length of joint trench construction to provide sheath identification.

#### ARTICLE XIII

20. It is expressly agreed that should either party abandon its facilities as described in Article II above this contract shall terminate and the abandoning party shall have no further interest in its abandoned facilities or any rights under this contract.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement in duplicate on the day and year first above written.

15 ATTESE

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ATTEST

Elvera R. Charne Patricia L. Phelps SOUTHERN BELL TELEPHONE AND

Yfre President-Network/Fla.

APPROVED AS TO FORM THE SHOEL ATTORNEY

# EXHIBIT "A"

costs associated with performance of Article I and as referred to in Article II, paragraph 1 are as indicated below:

# Gainesville LATA

Approximate Distance (FT) Cost per foot (construction) Total Cost (construction) Approximate surface restoration cost	61,622' \$.68	\$41,902.96 1,514.07	
TOTAL		\$43,417.03	

# Jacksonville LATA

Approximate Distance (FT) Cost per foot (construction) Total Cost (construction) Approximate surface restoration cost	12,440' \$.95	\$11,818.00 1,866.00
TOTAL		\$13,684.00
Combined Construction and Restoration Cost	:	\$57,101.03

(... :

Mr. H. L. Overstreet 15JJ1 - Southern Bell Tower 301 W. Bay Street Jacksonville, FL 32202

Subject: Joint Trench Agreement

Dear Mr. Overstreet:

7

As per the subject Agreement, is obligated to a 50/50 absorption with Southern Bell on the Gainesville/Jacksonville build, bridging the two LATA's.

The following cost information was provided by Jerry Simpson, Contracts Co-ordinator, for Southern Bell in Jacksonville and is the foundation for an addition to the subject Agreement as identified further below in this letter.

	Gainesville LATA	Jacksonville LATA
Approx. Distance (FT): Cost per FT: Total Trenching Cost: Approx. Surface Restore:	61,622' .68 \$41,902.96 	12,440' .95 \$11,818.00 
TOTAL:	\$43,417.03	\$13,684.00
Combined Total:	\$57,101.03	

Enclosed with this letter are three executed Agreements per subject effort, with the following noted changes:

- Page 1 -- second line, change by pen correct year to be "1986".
- 2. Page 1 -- after "WITNESSETH" add "Article I".

.../2

May 2, 1984 Mr. H. L. Overstreet Page 2

- 3. Page 2 -- ITEM 1: To incorporate by exhibit identified costs above, line 4 add: ", as described in attached Exhibit "A"."
- 4. Page 3 -- ITEM 7: After word "handholes" add: ", provided that has been notified at least 24 hours prior to access of said handholes.""

Upon execution of these Agreements and initialing where indicated by yellow tabs -- please return to my attention one executed original for our files.

If any questions, please feel free to call me at (305)392-2244, ext. 216.

Sincerely,

Steven L. Chumley

SLC/vdp enclosures

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cc: D. Gregory

J. Simpson - SBT/JAX

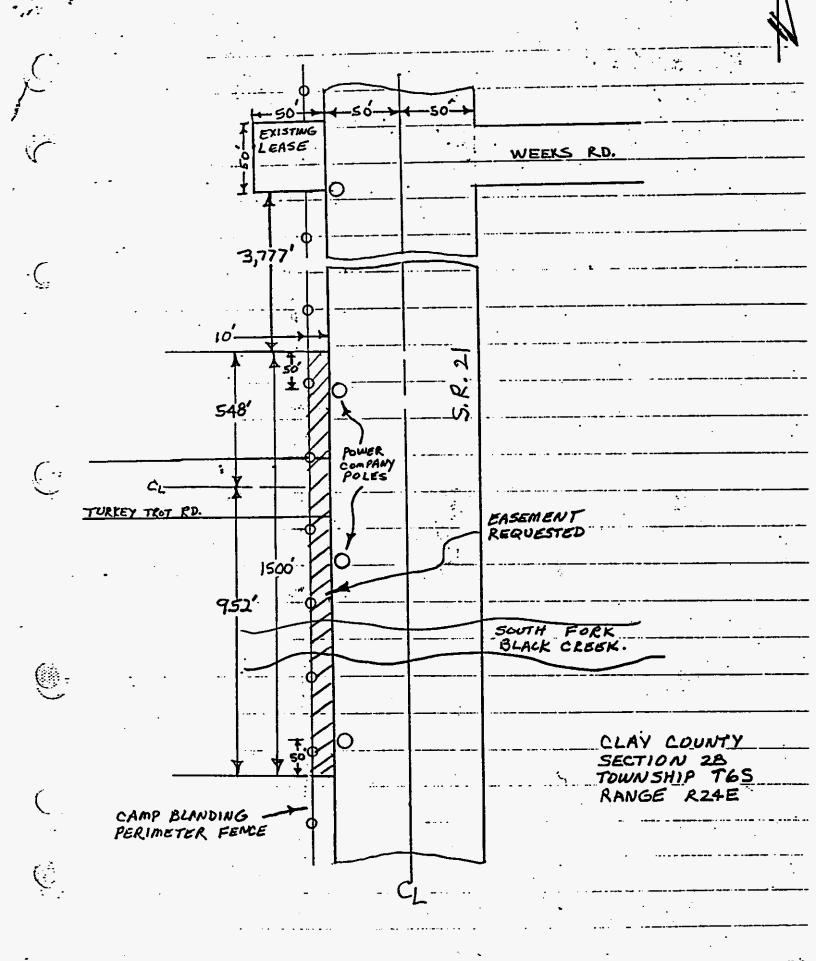
L. Walker - SBT/ATL

File

Propo Alloc Owner	QUESTIONNAIRE - REAL ESTATE CONSIDERED FOR ACQUISITION  Inge: PEANEY FARMS Location of Parcel: S.R.21 AT TURKEY TROT ROAD.  Insed Use of Parcel: BURIED FIBER CAREFORDER of Preference: CHOICE    Station No.: 4210/4216 Project Eng.: TRH Tel. No.: (904) 325-90  STATE OF FLORIDA  DEPT. OF MILITARY AFFAIRS Address: STATE ARSENAL, ST. AUGUSTINE
Propo Alloc Owner	ased Use of Parcel: BURIED FIBER CARED rder of Preference: CHOICE   Cation No.: 4210/4216 Project Eng.: TRH Tel. No.: (904) 325-90
Alloc Owner	ration No.:4210/4216 Project Eng.: TRH Tel. No.:(904) 325-90
Owner	
	STATE OF FLORIDA .: DEPT. OF MILITARY AFFAIRS Address: STATE ARSENAL, ST. AUGUSTINE
DESCR	•
	RIPTION OF PARCEL
1.	Neighborhood (Business or Residential - Excellent, Good, Fair, Poor)
	RURAL
2.	Elevation info.
3.	Zoning Regulations (Zoning District - Change Required?): NONE
4.	Bldg. Setbacks Req'd. by Zoning, Ordinance, PUD, etc.: N/A
	Front, rear, sides
5.	Electric Power available at the Site?: YES Where WEST SIDE
6.	Type of Acquisition:Easement;LeasePurchase*
7.	Do you know if any Deed Restrictions or Restrictive Covenants that
	will not allow a Tel. Bldg? NO
COSTS	
8.	Price (Free) or Price \$
9.	Extraordinary Site Costs • \$ 0
10.	Other (Removal of Exist. Improvements, Etc.) \$
11.	If not located at optimum point Outside Plant Penalty \$ 0
12.	TOTAL \$
	R PERTINENT DATA
Parce	el Measurements: 15,000 Square Feet:
I hav	<i>BURIES</i> ve reviewed this site and find that it is a viable choice for a blip
Signe	ed: Juno Night 3/3/86 Engineer / Date

*Refer to R/W Coordinator for further handling.

 $C_{i}$ 



J. C. Miller
Operations Manager - Distribution
Engineering/Assignment/Capital

301 W. Bay Street Jacksonville, Florida 32202 (904) 350-2668

Room 15JJ1, Southern Bell Tower

May 20, 1986

File: 240.0750

Mr. H. E. Downing Engineering Manager Gainesville, FL Mr. H. C. Isgette Engineering Manager Jacksonville, FL

Dear Sir:

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Attached is a confirmation letter to justify your expenditures on the project to establish two (2) DS3 circuits between Gainesville and Jacksonville. The service date is October 1, 1986.

If there are any questions, please contact Mr. W. Kuhlewind on 904-350-3132.

Yours truly,

Operations Manager -Engineering

WAK:bs 6/0

CC: Mr. J. Brady Mr. J. Gray Mr. C. Dykes May 14, 1986

Memorandum to:

Mr. Ted Seidel

Senior Engineer-IFCPC

Subject:

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in Jacksonville and Gainesville

This is to confirm Microtel's plans to establish from to GSVLFLMA and from to JCVLFLCL as outlined in the serving plans dated 4-8-86 and 4-7-86. As discussed, this customer is anticipating a circuit service date of 10-1-86. Please let me know of any problems encountered in meeting this date.

You may phone me on 492-1770 if you have any questions concerning this reply.

Elaine A. Bruce

Staff Manager-INACC

MAY 16 1986
STAFF MANAGER
ENGINEERING

Time sonto.



#### Southern Bell

20th Floor Southern Bell Tower 301 W. Bay Street Jacksonville, Florida 32202 (904) 350-2862

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Mr. J. C. Hastings Operations Manager Comptrollers Jacksonville, Fl.

Dear Sir:

W. H. Bellinger

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General Manager -

Network/North Florida

Attached is a bid sheet numbered SB Which we would like to add to Individual Contract 1-35-86. This additional page provides for the joint trench placement of our cable and one for We also would like to raise the Not To Exceed amount or the contract from to to accommodate the additional cost.

We will recover this additional cost along with and hair of the surface restoration cost where we share a common trench with Our Engineering Start has negotiated an agreement with to recover these monies.

Yours truly,

üenera! Manager Network/North Florida DECEIVED MAY 06 1986

ENGINEERING JKVL. NW GROUP

Bid Sheet. Page 5B

- Place approximately 12.204 feet of Fiber Optic Cable in the same trench with Southern Bell Cable on Southern Bell's Engineering Authorization V-4536.
  - 7 Price to include placing a 4" plastic tape with 8 Cable, splice pits for 3 cable and setting splice boxes.

Cable, Plastic Tape and splice boxes to be furnished by

Southern Bell's Cable is to be placed with 36" of cover and able is to be placed 4" above Southern Bell's.

· Price per foot

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Operations Manager - I & M

Southern Bell

Room 14JJ1, Southern Bell Tower 301 W. Bay Street Jacksonville, Florida 32202 (904) 350-3586

March 26, 1986

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T. C. Taylor

Distribution

Donna Peterson Room 27EE1 SBT Jacksonville, FL 32202

Carl Hankins, Inc. P. O. Box 23764 Tampa, FL 33622

J. E. Blitchington 5209 Timuquana Road Jacksonville, FL 32210

G. T. Rollins 74 State Road Room 224 Orange Park FL 32073

H. C. Isgette Room 18HH1 SBT Jacksonville, FL 32202

File

_/	
TLB	□ BJY
☐ PRF	□ JA
☐ JNG	☐ TSC
☐ PGM	
	☐ CIRCULATE
	□ RET. TO HCI
	COPY FOR HCI
	MAKE COPIES
JLN	☐ FILE

MAR 27 1986

ENGINEERING JKVL. NW GROUP

## INDIVIDUAL CONTRACT FOR OUTSIDE PLANT WORK

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(2)

	NORTH FLORIDA AREA STATE	CONTRACT	NO	1-35-86	
5	SW Jacksonville DISTRICT	NOT TO EXCEE	D \$		<del></del>
	Basis Of Award	other t	than a	Contract a Cost-Plus It bid offer	Fixed Fee
	<pre>(X) This Contract awarded on a Cost-Plus Fixed Fee basis, With X Without Bid Offering.</pre>	other 1	than a	s Contract : a Cost-Plus ant to Bid !	Fixed Fee
					•
	: Southern Bell Teleph	For none and Telegrap	oh Con	npany	
			<b></b> -		• •·
		Index			
	Article 1. Designated Work	n Dates			
	Article 22. Examination of Records Article 23. Contract Read and Unde				

This Agreement is made this 14th day of March . 19 86 by and between Carl Hankins, Inc. hereinafter called "Contractor," and the Southern Sell Telephone and Telegraph Company, hereinafter called "Telephone Company".

#### Witnesseth

That the Contractor and the Telephone Company, for the consideration hereinafter named, hereby convenant and agree as follows:

Article 1. Designated Work

Authority No. EV-4536-E

Location SW Jacksonville

The Contractor will perform for the Telephone Company the items of Contract Work authorized and/or required on the above Authority at the above location and set forth on attached bid sheets designated as Exhibit "A" by and in strict and full accordance with the requirements of the plans, drawings, and specifications of the Telephone Company covering the items of work set forth in attached Exhibit "A".

### ARTICLE 2. CONTRACT LIMITATION

NOT TO EXCEED \$

- (a) The Telephone Company and the Contractor agree that the liability of the Telephone Company to pay compensation to the Contractor for the performance of work under this Contract shall NOT EXCEED the Contract Limitation shown above, which is a FIXED PRICE or is the estimated total contract cost computed by applying the unit prices to all of the work units listed on the attached Exhibit "A" with a reasonable allowance for contingencies.
- (b) This Contract Limitation may be exceeded to the extent authorized in writing by the Telephone Company's General Manager-Distribution.

#### ARTICLE 3. CONTRACT PRICE

The Telephone Company and the Contractor agree that there are two methods of computing compensation to be paid the Contractor by the Telephone Company for work performed by the Contractor under this type of Contract and the method indicated by ( X ) in block below shall be used for computing compensation due the Contractor under this Contract.

() FIXED PRICE OF 5 to be paid the Contractor for the completion and acceptance of all items of work set forth in attached Exhibit "A". Deductions for any items not completed or payment for any added items to be explained in writing and approved by the Telephone Company's General Manager-Distribution.

UNIT PRICE - The total Contract cost to be paid the Contractor shall be computed by applying to each of the units of work set forth on the attached Exhibit "A", completed by the Contractor and accepted by the Telephone Company, the unit price for such units of work which are set-forth in Exhibit "A".

#### ARTICLE 4. BEGINNING AND COMPLETION DATES

- (a) The Contractor shall begin work within ten (10) days after written notification by the Telephone Company that the materials to be supplied by the Telephone Company hereunder, or a sufficient amount thereof, are ready for delivery to the Contractor; or, if no materials are to be furnished by the Telephone Company hereunder, within  $\frac{Ton}{Ton}$  (10) days from the date of the execution of this Contract; and shall entirely complete the work by not later than  $\frac{April 98}{April 98}$ , 19 86, unless extended by mutual agreement, or as provided for in Article 8.
- (b) The Contractor shall begin and carry on the work at such points, in such order of precedence, and at such times as the Telephone Company's representative may from time to time direct.

#### ARTICLE 5. MATERIALS, LABOR AND APPLIANCES

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- (a) The Contractor will furnish all materials (except materials to be furnished by the Telephone Company as provided for in Section (b) of this Article 5), cartage, tools, implements and appliances, and perform all work required for full performance of everything shown, described or reasonably implied by applicable general plans, drawings and specifications of the Telephone Company.
- (b) The Telephone Company will furnish to the Contractor at such time as will not delay the Contractor in his work all standard telephone catalogue items of material and other miscellaneous hardware or minor supplies associated with the above materials, and the Contractor shall receipt for and be responsible for said materials from date of delivery.
- (c) The Contractor shall in the performance of this Contract supply material and workmanship of a quality which is in strict and full accord with such parts of the Telephone Company's plans and specifications as are applicable to the work covered under this Contract, and shall furnish at Contractor's own expense all labor and material to make good any defects of materials or workmanship which may show up within one year from the date of the completion and acceptance of the work covered by this Contract.
- (d) The Contractor shall furnish, employ and have exclusive control of all persons to be engaged in or about the work set forth in the Contract; and shall prescribe and control the means and methods of doing such work. All persons employed by the Contractor in and about the performance of any such work shall be agents or employees of the Contractor, and neither the Contractor nor any of such agents or employees shall be deemed to be employees

of the Telephone Company for any purpose whatsoever; the Contractor being, and at all times acting as, an independent Contractor hereunder, and being responsible as an independent Contractor to the Telephone Company.

(e)Upon request of the Telephone Company's General Manager-Distribution, Contractor agrees to promptly remove from the work any employee of the Contractor or any subcontractor; it is understood and agreed that such a request shall not be deemed to be a request that such an employee or subcontractor be disciplined or discharged by the Contractor, nor shall it be deemed to be a reflection on the abilities or character of such an employee or subcontractor.

(f)Contractor acknowledges receipt of a copy of general plans, drawings and practices of the Telephone Company covering each of the items of work set forth in Exhibit "A" and agrees to perform all work in a manner consistent with the safety precautions as set forth in Telephone Company practices or any Municipal, County, State or Federal safety regulations applicable to the work location. Contractor acknowledges that all general plans, drawings, and Telephone Company practices received by Contractor hereunder shall be and remain the property of the Telephone Company and shall be returned to the Telephone Company upon request. Unless such information and/or documents were previously known to Contractor free of any obligation to keep them confidential, or have been or are subsequently make public by the Telephone Company or a third party, such information and/or documents shall be held in confidence, shall be used only for the purposes specified by the Telephone Company, or may be used for other purposes only upon such terms and conditions as may be mutually agreed upon in writing.

#### ARTICLE 6. RESTORATION OF STREETS AND HIGHWAYS

The Contractor shall properly refill with suitable material any and all excavations made, and shall restore all streets, highways, and sidewalks which may be disturbed in making excavations to their former condition unless otherwise ordered by the proper City, County or State Highway authorities having jurisdiction over such streets and highways and provide such proof of restoration as may be required by the permitting agency. Should the Contractor fail to properly restore any street which he has disturbed and the City, County or State incur any expense in repairing or restoring the same, the Contractor shall reimburse the City, County or State, as the case may be, for such expense and shall indemnify and save harmless the Telephone Company on account of any expense the Telephone Company may incur by reason of the failure of the Contractor to comply with the provisions of this Article 6.

#### ARTICLE 7. PERMITS AND LICENSES

The Contractor shall secure and pay for all governmental permits and licenses required by law or regulation with relation to any work covered by this Contract, and shall give all notices, pay all fees and comply with all laws, ordinances, rules and regulations relating to the work or to the full performance of this work except such permits as the Telephone Company may obtain for the opening of streets, sidewalks, roads and highways. The

Telephone Company will, in such manner as not to delay the work of the Contractor, provide all necessary permits for occupying or excavating streets, highways, railroad right-of-way, public utility easements, or any other private property, but the Contractor shall provide all other permits and licenses as above provided, and shall indemnify and save harmless the Telephone Company from any liability on account of the Contractor's failure to secure or comply with such permits and licenses.

#### ARTICLE 8. DELAYS: EXTENSION OF COMPLETION DATE

(a) Should the Contractor be delayed in the completion of the work by strikes, lockouts, unavoidable casualties, or any other causes beyond the Contractor's control, then, upon claim in writing by the Contractor, the time of completion shall be extended for such reasonable time as the Telephone Company's General Manager-Distribution may decide. No such extension shall be made for delays occurring more than seven (7) days before claim is made in writing to the Telephone Company's General Manager-Distribution. No compensation shall be paid by the Telephone Company to the Contractor for any time lost during any such delay; except that where failure by the Telephone Company to supply such materials as are provided for in Article 5 or to provide the Contractor with the necessary permits provided for in Article 7 results in any temporary delay of the work and where actual loss to the Contractor occurs on account of such delay, the Telephone Company will pay the Contractor for such lost time in an amount to be determined by the Telephone Company's General Manager-Distribution.

(b) The Contractor agrees that if the Contractor, in the opinion of the General Manager-Distribution, neglects or refuses to supply sufficient tools, equipment and skilled workers or the proper quality and quantity of material suitable to perform the work covered by this Contract, or in any way fails to pursue the work with promptness and diligence or in strict conformity with this Contract and such plans and specifications as may be made a part thereof, then the General Manager-Distribution, at his option and without prejudice to any other remedy that he may have, after one (1) day's written notice to the Contractor may take over all labor, materials and appliances on the site and complete or have completed the entire work covered by this Contract. The cost of such completion by or for the Telephone Company shall be at the expense of the Contractor, and the amount of such cost shall be deducted from the compensation due the Contractor under this Contract. If the cost of such completion by the Telephone Company is in excess of the compensation due the Contractor under this Contract, such excess shall be due to the Telephone Company and shall be and become immediately payable on completion by the Telephone Company of the work set forth in this Contract. Any compensation otherwise due the Contractor for the work covered by this Contract and above the cost of completion by the Telephone Company shall be paid to the Contractor by the Telephone Company.

#### ARTICLE 9. INSPECTION OF WORK

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(a)Inspection of the whole or any part of the work, and of the materials furnished by the Contractor, may be made by the Telephone Company's representa tive, at any time or times convenient to either of them, and the Contractor shall provide proper facilities, including all necessary tools and labor, for such inspection.

(b) If the work so inspected is found to be inferior or defective, or not in strict and full accordance with this Contract, or with the applicable plans, drawings and specifications of the Telephone Company, the Contractor shall bear the expense of such inspection, and shall at his own expenses at once reconstruct the work in full accordance with this Contract and applicable plans, drawings, and specifications of the Telephone Company. items so inspected prove to be constructed according to the plans, drawings and specifications of the Telephone Company, and if no defects are found, the Telephone Company shall bear the expense of the inspection. The failure or neglect of the Telephone Company's representative to inspect, condemn or reject inferior or defective materials or work shall not be construed as an acceptance of such materials or work by the Telephone Company, nor shall the Telephone Company be barred at any subsequent time from the recovery of damages or of such sums of money as may be necessary to replace inferior or defective materials and to reconstruct the work in accordance with the Contract and said plans, drawings and specifications whenever such inferior or defective materials or work may be discovered.

(c) It is agreed that the Telephone Company reserves the right to have a competent representative continuously at the site of any work set forth in this Contract. Consistent with the provisions of Article 5(d) hereof, the Contractor agrees to be guided by the reasonable recommendations of such representative.

#### ARTICLE 10. CHANGES IN THE WORK

The Telephone Company may make changes in the work designated or shown by applicable plans, drawing and specifications of the Telephone Company, by altering, adding to, or taking from the work, and the Contractor's compensation for said work shall be adjusted accordingly; but no such changes shall be made except upon the order of the Telephone Company's representative. All work under such changes shall be executed under the conditions of this Contract; and this Contract shall remain in full force and effect with respect to all work hereunder including such changes, whether material or otherwise.

#### ARTICLE 11. INDEPNITY

(a) The Contractor shall indemnify and hold harmless the Company and its directors, officers, employees and agents (collectively the "Indemnitees") and each of them from and against any loss, costs, damages, claims, expenses (including attorneys' fees) or liabilities (collectively referred to as "Liabilities") by reason of any injury to or death of any person or damage to or destruction or loss of any property arising out of, resulting from, or in connection with (i) the performance or nonperformance of the work contemplated by this Contract which is or is alleged to be directly or indirectly caused, in whole or in part by any act, omission, default, or negligence (whether active or passive) of Contractor or its employees, agents or subcontractors, regardless of whether it is, or is alleged to be caused in whole or part

(whether joint, concurrent or contributing) by any act, omission, default or negligence (whether active or passive) of the Indemnitees, or any of them or (ii) the failure of the Contractor to comply with any of the Articles herein or the failure of the Contractor to conform to statutes, ordinances, or other regulations or requirements of any governmental authority in connection with the performance of the services provided for in this Contract. Said indemnities shall include but not be limited to injury or damage which is or is alleged to be caused in whole or in part by any act, omission, default or negligence of the Contractor. Contractor expressly agrees to indemnify and hold harmless the Indemnitees, or any of them, from and against all liabilities which may be asserted by an employee or former employee of Contractor, or any of its subcontractors, as provided above, for which the Contractor's liability to such employee or former employee would otherwise be limited to payments under state Worker's Compensation or similar laws.

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(b)Contractor further agrees to indemnify and hold harmless the Indemnitees from and against (i) any and all penalties imposed on account of the violation of any law, ordinance, order, rules, regulation, condition, or requirement, in any way related, directly or indirectly, to Contractor's performance hereunder, compliance with which is left by this Contract to the Contractor and (ii) any and all claims, liens and/or suits for labor and materials furnished the Contractor or utilized in the performance of this Contract or otherwise.

(c)Where not specifically prohibited by law, the Contractor further agrees to ` indemnify and hold harmless the Indemnitees from all claims and suits for any liability, including, but not limited to injury, death, or damage to any person or property whatsoever, caused by, arising from, incident to, connected with or growing out of the performance or nonperformance of this Contract which is, or is alleged to be caused in part (whether joint, concurrent, or contributing) or in whole by any act, omission, default, or negligence (whether active or passive) of the Indemnitees. The foregoing indemnity shall also include liability imposed by any doctrine of strict liability. The Company and Contractor further agree that the liability of the Contractor to save harmless and indemnify the Indemnitees for damages caused solely by any act, omission, or default of the Indemnitees shall not exceed the sum of \$1,000,000 for property damage arising out of any one occurrence and \$1,000,000 for bodily injury or death arising out of any one occurrence. This indemnity agreement shall apply not only to claims and suits against the Indemnitees alone, but also to those claims and suits brought against the Contractor and the Indemnitees jointly, or any other combination. In the event of a joint verdict and judgment, the above-stated limit shall apply to the portion of the verdict or judgment which is against the Indemnitees.

(d) The Contractor further agrees to reimburse the Telephone Company for and/or hold it harmless against any and all attorney's fees and other expenses and costs incurred in pursuing any claim, suit or lien brought by the Telephone Company against the Contractor or those acting under its direction arising out of or resulting from a breach by the Contractor or those acting under its direction of any provision of this Contract or performance or nonperformance hereunder.

(e) The Telephone Company and Contractor agree that any judgment entered against the Indemnitees, or any of them, or the Contractor, shall not be determinative of the issue as to whether the act, omission, default, or negligence upon which the action was brought was that of the Indemnitees or of the Contractor.

(f)Contractor shall, at its own sole cost, expense, and risk, defend any claim, suit, action or other legal proceeding (collectively "action") arising out of the performance or nonperformance of this Contract brought jointly against the Indemnitees or any of them and the Contractor or against any of the Indemnitees, shall pay and satisfy any judgment or decree which may be rendered against any of the Indemnitees in any such action and shall pay any costs and attorney's fees which may be incurred by the Indemnitees in connection therewith and/or in enforcing the indemnification provisions set forth above. Should the Contractor, in the judgment of the Telephone Company, ignore or fail to properly handle or defend any such action, the Telephone Company may at its option assume and undertake, or join the handling or defense of any such action, and in that event the Contractor will reimburse the Telephone Company for attorneys' fees and other expenses incurred by it in handling or defending same, including any amounts paid by the Telephone Company in settlement thereof or in satisfaction of any judgment rendered.

#### ARTICLE 12. LIABILITY INSURANCE

(a) The Contractor shall take out, pay for, and at all times during the performance of work hereunder maintain, such public, contingent (where applicable, professional malpractice) and employer's liability insurance as will satisfy the foregoing indemnity requirements of this agreement and protect Contractor and the TeTephone Company from claims under workers' compensation and other employee benefit acts. Such insurance shall include Comprehensive General Liability and property damage, including automobile, products completed operations and broad form contractual covering liability assumed by the Contractor under this agreement.

(b) Such insurance shall: (i) include Telephone Company as an additional insured; (ii) be primary insurance written on an occurrence basis to the full limits of liability hereinafter stated and should Telephone Company have other valid insurance, Telephone Company's insurance shall be excess insurance only; (iii) include a severability clause substantially in the following form:

"The insurance afforded applies separately to each insured against whom claim is made or suit is brought, but the inclusion hereunder of more than one insured shall not operate to increase the limits of the insurance carrier's liability. The inclusion of any person or organization as an insured shall not affect any right that such person or organization would have as a claimant if not so included."

; and (iv) contain an endorsement substantially stating:

"Cancellation or expiration of the policy to which this endorsement is attached shall not become effective until after thirty (30) days advance written notice has been delivered to Southern Bell, Attention: W. H. Bellinger General Manager-Network/North Florida

#### at 301 W. Bay St. Jacksonville, FL 32202

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(c)Without limitation of the requirements set forth in this Article, Contractor shall maintain insurance with coverage and minimal limits of liability as follows:

- (1)Workers' Compensation and Employer's Liability providing statutory coverage under the Workers' Compensation and Occupational Disease Laws of the state where operations are being performed under this Contract; and Employer's Liability coverage with limits of \$100,000.
- (2)Comprehensive General Liability affording (i) Bodily Injury Liability (or death) with limits of \$500,000 for each person and \$1,000,000 in the aggregate; and (ii) Property Damage Liability with limits of \$250,000 for each occurrence and \$250,000 in the aggregate, such coverage to include: Products Completed Operations, 8road Form Contractual Liability covering liability assumed under this Contract, Contractor's Contingent (Protective) Liability with respect to work subcontracted by the Contractor.
- (3)Comprehensive Automobile Liability affording (i) Bodily Injury Liability (or death) with limits of \$500,000 each person and \$1,000,000 each occurrence; and (ii) Property Damage Liability with a limit of \$250,000 each occurrence; such coverage to include liability for the operation of owned, hired, and non-owned vehicles.
- (4)(Where applicable) Professional liability insurance coverage shall be provided in an amount not less than \$1,000,000; such coverage to include Broad Form Contractual Liability covering liability assumed under this Agreement.
- (d)In no event shall the provisions of this Article be construed in any way to limit Contractor's obligations under the immediately preceding Article.
- (e) The insurance coverage required herein shall be through policies issued by companies authorized to do business under the laws of the state where the work is performed, with these qualifications:

The insurance company must be rated by the latest edition of Best's Insurance Guide, published by Alfred M. Best Company, Inc. at no less than an "A" Best Policyholders Rating and no less than an "X" rating in Best's Financial Size Category.

(f)All of such insurance, including renewals, shall be subject to the approval of the Telephone Company for adequacy of protection, and evidence of such coverages shall be furnished to the Telephone Company on Southern Bell Telephone and Telegraph Company Certificates of Insurance indicating such insurance to be in force and effect and providing that it will not be canceled during the performance of the work under this agreement without thirty (30) calendar days prior written notice to the Telephone Company. Completed Southern Bell Telephone and Telegraph Company Certificates of Insurance shall be filed with the Telephone Company prior to commencement of work hereunder; provided, however, that Contractor shall at any time upon request file duplicate copies of the policies of such insurance with the Telephone Company.

(g) If, in the judgment of the Telephone Company, prevailing conditions warrant the provision of additional liability insurance coverage or coverage which is different in kind, the Telephone Company reserves the right to require the provision of an amount of coverage different from the above stated amounts or in kind and shall afford written notice of such change in requirements thirty (30) days prior to the date on which the requirements shall take effect. Should the Contractor fail or refuse to satisfy the requirement of changed coverage within thirty (30) days following the Telephone Company's written notice, this agreement shall be considered terminated on the date that the required change in policy coverage would otherwise take effect.

#### ARTICLE 13. METHOD OF PAYMENT: DETAILED STATEMENTS

(a) The Contractor agrees to furnish detailed statements covering the entire work promptly upon completion of the Contract, or covering portions of the work completed on the Contract where the billing would be delayed appreciably if withheld waiting the final completion of the Contract. The detailed statements shall contain a complete list of all units of work performed under Exhibit "A" with a description of the units of work included in the statement.

(b) The Telephone Company will pay to the Contractor not later than 30 days after the receipt of such detailed statements the total amount due to the Contractor.

#### ARTICLE 14. RECEIPTED BILLS

The Contractor shall, if requested by the Telephone Company's General Manager-Distribution, attach to the statements referred to in Article 13, receipted bills for all labor and materials furnished, and for any other expense contained in the said statements, and in the event there are outstanding against the Contractor any bills for labor or materials, or for any other expenditures, the Telephone Company shall have the right to pay said outstanding bills and deduct the amount of same from the amounts shown in the statement.

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## ARTICLE 15. DEDUCTIONS FROM STATEMENTS

The Telephone Company's General Manager-Distribution may deduct from any statement rendered by the Contractor before issuing certificate of payments thereon, an amount or amounts sufficient to protect the Telephone Company from loss on account of:

- (a)Defective work not remedied;
- (b)Claims filed, or reasonable evidence indicating the probable filing of claims;
- (c)Failure of the Contractor to make payments promptly for materials or labor;
- (d)Cost of restoration of telephone service as a result of negligence on the part of the Contractor in the performance of work under this Contract.

#### ARTICLE 16. ASSIGNMENTS

This Contract shall not be assigned, nor shall the Contractor assign any moneys due or to become due hereunder, without the previous written consent of the Telephone Company.

#### ARTICLE 17. PROTECTIVE MEASURES AND NOTICES

(a) The nature of work herein contemplated may bring the employees of the Contractor and its subcontractors into close proximity to the existing overhead. surface and underground facilities of the Telephone Company, other utilities or other persons, with a resulting risk or danger of personal injury to such employees or damage to such facilities. Should the work prints, drawings, plans, or specifications issued by the Telephone Company indicate or fail to indicate the location of such facilities, whether those of the Telephone Company, other utilities or other persons, it is expressly understood and agreed that the Telephone Company, its officers, employees and agents shall not incur any liability for injury to persons or damage to property by reason of furnishing or failing to furnish such information, the Contractor hereby assuming full responsibility for determining the exact location of all such facilities and their proximity to the work to be performed under this Contract. The Contractor will keep itself fully informed of the dates, times and places on and at which each and every phase of the work herein contemplated is being or is to be performed, and the Contractor hereby assumes full responsibility of taking such protective measures and giving any and all notices which may be required to avoid or reduce to a minimum the risk of danger of personal injury to such employees or damage to such facilities.

(b) Where the locating of complex below ground facilities requires the assistance of the Telephone Company in order to protect the telephone plant or when after making a reasonable effort the Contractor is unable to locate the Telephone Company facilities, the Telephone Company may render necessary assistance in these limited situations.

(c)At the request of the Contractor, the Telephone Company will confirm to the other utility or other person the fact that the Contractor is performing work for the Telephone Company and request the cooperation of such other utility or other person, but the Contractor shall be and remain solely responsible for taking protective measures or giving notices as herein specified, and the Telephone Company, its officers, employees or agents, shall not incur any liability by reason of such assistance to the Contractor or because of any failure of such other utility or other person to comply with any request by the Contractor or the Telephone Company.

#### ARTICLE 18. GRATUITIES

The Contractor warrants that no person or agency has been employed, retained, or directed to solicit or secure this Contract upon an agreement or understanding for a commission, percentage, brokerage, contingent fee, or other remuneration. Southern Bell Telephone and Telegraph Company may, by written notice to the Contractor, terminate the right of the Contractor to proceed under this Contract or any other contract if it is found by Southern Bell. Telephone and Telegraph Company or its duly authorized representatives that gratuities (in the form of entertainment, gifts, or otherwise) were offered or given by the Contractor, or any agent or representative of the Contractor, to any officer or employee of Southern Bell Telephone and Telegraph Company or its parent company, with a view toward or the intent of securing a contract or securing a favorable treatment with respect to the awarding or amending, or the making of any determinations with respect to the performance of this Contract.

#### ARTICLE 19. NON-DISCRIMINATION COMPLIANCE AGREEMENT

The Contractor agrees to comply with the applicable provisions of the attached Non-Discrimination Compliance Agreement which is attached hereto as Exhibit "D".

#### ARTICLE 20. NON-COLLUSION CERTIFICATION

By executing this Contract, Contractor certifies that neither Contractor nor any of its officers, employees, or agents has acted in concert with or agreed with any other person, firm, corporation or other entity, whether actively or passively, to set the charges contained in Exhibit "A" at or above a certain rate. Contractor further certifies that the charges set forth herein have been arrived at and submitted by Contractor without consultation or agreement

with any other person, firm, corporation or other entity which has also submitted a quotation to perform the same or similar work in the same or another area for the Telephone Company. Should it be determined that Contractor has committed any of the acts set forth in this paragraph, the Telephone Company shall have the right to immediately terminate this Contract. Upon such termination, the Telephone Company shall have no further obligation or liability to the Contractor.

#### ARTICLE 21. SEVERABILITY

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If any of the provisions of this Contract shall be invalid or unenforceable under the laws of the jurisdiction applicable to the Contract, such invalidity or unenforceability shall not invalidate or render unenforceable the entire Contract, which shall be construed as if not containing the particular invalid or unenforceable provision.

#### ARTICLE 22. EXAMINATION OF RECORDS

The Contractor agrees that the Assistant Comptroller or the General Manager-Comptroller of Southern Bell Telephone and Telegraph Company or any of his duly authorized representatives shall, until the expiration of three years after final payments under this Contract, have access to and the right to examine all books, documents, papers and records of the Contractor. The Telephone Company shall also have the right, upon request of a Telephone Company employee of Department Head level or above, to conduct operational reviews of Contractor's operations at any time and from time to time during the term of this Contract. Such reviews may include the review of all books, documents, papers, and records of the Contractor.

#### ARTICLE 23. CONTRACT READ AND UNDERSTOOD

The Contractor hereby admits that he has read each and every clause of this Contract, and the annexed "Exhibits", and fully understands the meaning of the same, and hereby agrees that he will comply with all the terms, convenants and agreements set forth herein.

In Witness Whereof, the parties hereof have executed this agreement the day and year first above written, in duplicate originals.

Carl	Hankins,	
	Contrac	tor

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Southern Bell Telephone And Telegraph Company

Witness:

Attachments: Exhibit "A" Exhibit "D"

#### Contractor Bid Sheets

#### Estimate EV-4536-E

- 1. All City, County, Department of Transportation, and OSHA traffic control and safety regulations shall be strictly adhered to. Expense of traffic control assistance shall be the responsibility of the contractor during all placing operations.
- 2. The contractor shall be responsible for locating and protecting all telephone cables and foreign utilities. Any negligent damage of telephone cables or failure to follow precautionary instructions shall be grounds to forfeit contract.
- 3. Any bracing of poles, removal replacement of signs or markers, shall be coordinated between the contractor and the respective owner(s) at no expense to the Telephone Company.

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- 4. Restoration and clean-up is expected to be kept current to avoid unnecessary criticism and complaints. All debris shall be removed and disposed of in accordance with Health, Environmental, City and County regulations.
- 5. The cost of City, County or Department of Transportation soil density test, to include removal and/or replacement of unsuitable soil, will be the full responsibility of the contractor accepting the contract for this project. Determination of any or all unsuitable soil shall be at the discretion of the Telephone Company representative on the job.
- 6. The contractor will be responsible for the cost of clearing any right of way and for the disposal of any and all debris.
- 7. Note change in center line measurement on Dwg.'s 46 and 47. Cable to be moved from 46' to 50' as indicated for approx. 1401 feet.

#### THIS PAGE MUST BE SUBMITTED WITH YOUR BID

A copy of the contract on file at the office of the General Manager - Distribution, Jacksonville, Florida, is by reference made a part of this bid package. You are required to review the contract and familiarize yourself with the provisions contained therein prior to submitting your bid.

Your signature on the line below shall certify to Southern Bell that you have reviewed the contract on file and are agreeable to the terms and conditions contained therein should you be awarded the contract.

En Spelier

President

Title

Date: March 6, 1986

#### EXHIBIT "A"

## CONTRACTORS BID SHEET BURIED GABLE

Form 6739 Feb. 1967 Page 3

BID SUBMITTED BY:

CARL HANKINS, INC. CONTRACT No. AUTHORIZATION No. EV-4536-E TITLE March 6, 1986 CABLE PLACED ANY MATHOD DATE CABLE OR WIRE COVER IN INCHES Total Treach Ft. 14-24 25-30 31-36. 37-42 43-48 49-54 Ca Size 81,668 IBER 81,668 12 **DPTIC** Since it is anticipated that there will mixture of placement methods ove route of this project, payment for cable placed will be computed as trenched feet regardless of the method actually used to Plowed portions of cable placement will computed at the price per foot for each plowed foot of cable reported as material used customarily done in master contracts. OTHER - TRENCHED CABLE OR WIRE NO. & PRICE PER TRENCH FOOT FOR DEPTH OF TRENCH IN INCHES N - M N - M N-M N - M N - M Total N - M 24 - 20 30 - 26 36 - 32 42 - 38 14 - 10 18 - 14 Trench Pt. Ca Size 

FIRM (INIT.) 3Y (INIT.) _CONTRACTORS BID SHEET

BURIED CABLE

<u> </u>	Mar (	5, 2986	NEW	CONC	REIE I	HONN						<u>v−4</u> ;	336-E
	Type	Dimen.	8 0			No. &	Price per	Hole fo	or Head	फ्ट कारक	Inches		
No. Holes	Hole	b FL ₩-L	Ĭ		42	48	54	80	66 .	72	78	) Ne	80
<b>\\</b>	х	3X4	FM.						xxx	XXX	XXX	XXX.	xxx
_( -	X	3 X 4	UN.						XXX	XXX	xxx	xxx	xxx
	x	3 X 4	Į.					/	xxx	XXX	xxx	xxx	ххх
<del>-</del>	В	34 X 64	FM.		XXX	XXX	XXX						
	В	34 X 64	UN.		XXX	XXX	xxx	•					
	В	34 X 64	FL		xxx	xxx	xxx				<del> </del>		
	A	1% X 8%	FM.		xxx	xxx	xxx						<u> </u>
	1	4% X 8%	UN.	•	xxx	xxx	xxx	xxx					<del> </del>
	A	4% X 8%	FL		xxx	xxx	XXX	xxx			<del></del>		

## ADDITIONAL CHARGE FOR ITEMS RELATED TO BURIED CABLE

77-24	- Na.	Item Description	Price Per	
"Tnit	Units		Unit	ł
EACH	3	W. L. D. Dwg. 26 Loc. 2 - Dwg. 39 Loc. 29 Handbole 30x58x18 (Any Soil) Dwg. 47 Loc. 2		Í
EACH	88	Pedestal for Terminal or Cable Marker (Includes Placing Terminal or Marker Plate) Stamped with cable location information.	_	2
EACH	13	Place C-Sign post at each splice location; stamped with cable and splice location information		3
BORED FOOT	900	Bore and jack (1) 1-inch or 2-inch PVC under trees. Dwg. 34 thru 40. Price to include placing cable.		3.
DUCT FOOT	150	Place innerduct in existing 4 inch B.I.P., price to include placing cable, as specified by Tel. Rep. on job. Dwg. 40 Loc. 1, Dwg. 44 Loc 4.	<u> </u>	3
BORED	295	Boring 1-4 in hole under roadways or driveways and placing casing when required (includes placing cable) and innerduct. B.I.P.furnished h	y Cor	iţr.
DUCT FOOT	360	Repair bridge conduit and place innerduct and cable Dwg. 42	1	, <i>t</i>
JUCT. FOOT	1018	Place (1) 4 inch B.I.P. 24 to 30 inches in depth. Pri to include placing cable and innerduct.	.be	4
PUCT OT	350	Place (1) 4 inch B.I.P. 42 inches in depth. Price to include placing cable and innerduct.	4	4
FOOT:	375	Bore (1) 2½ inch hole under roadways and driveways and place . 2 inch casing. Price to include placing (1) 1 inch innerduct and cable. Contractor to furnish B.I.P.		4
DUCT	465	Place (2) 4 inch PVC at driveways and roadways where iob shows placing (1) with cable. Price to include	1	
<u></u>	:	placing cable and innerduct to furnish B.I.P.	لخا	150

CONTRACTORS BID SHEET FIRM (INIT.) **BURIED CABLE** BY (INIT.). EV-4536-E DATE Mar. 6, 1986 SURFACE REMOVAL AND/OR RESTORATION Price Per Unit to Item Description No. Units to Remove Restore Restore Remove Unit SQUARE 7 XXX 12,000 Sod or Grass (to include top soil) XXX FOOT XXX XXX XXX XXX Brick (sidewalk) XXX XXX XXX XXX Brick (street) XXX XXX XXX XXX Sidewalk Block (precast) 2500 Gravel or Crushed Rock in Increments of 2 Inches XXX IIXXX Shell, Cinders, or Slag in Increments of 2 Inches XXX XXX XXX XXX XXX XXX XXX XXX Added Charge for Oil . Asphalt, Blacktop, Macadam or Equivalent in Incre-79 750 750 ments of 2 Inches 14 4. Inch Concrete (sidewalk, roadway or gutter) 15 74 150 150 2700 2700 6 Inch Concrete (sidewalk, roadway or gutter) 16 8 Inch Concrete (sidewalk, roadway or gutter) 100 100 17 Concrete in Increments of 1 Inch above 8 Inches (Side-XXX XXX XXX XXX walk, roadway or gutter) Reinforcement (concrete items) 50 50 LINEAR 20 20 FOOT Concrete Curb Only XXX XXX 500 Saw Concrete  $\mathcal{A}_{i}$ XXX Saw Asphalt XXX 200 SQUARE XXX **SQUARE** FOOT P 151,335 Seed and Mulch FOOT XXX (: 

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## EV-4536-E

## ALTERNATE PRICE BID SHEET

. The	cont foll	ractor agrees to perform the following work operations foowing prices:
	1.	Hand trench and tunnel approximately 900 feet under tree roots and place cable. Dwg.'s 34 thru 40.
7		Price per trench foot:
	2.	Hydra-seed approximately 151,336 square feet.
0 		Price per square foot: Lump sum price:
•	3.	Place 2nd fiber optic cable with first 12,204 feet from Dwg. 45 Loc. 1 to Dwg. 47 Loc. 2.
14		Price per foot:

Total this page: __

Earl Klanton

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BY (INIT.) CHI CONTRACTORS BID SHEET

BY (INIT.) BURIED CABLE

EV-4536-E

Mar. 6, 1986

UNIT PRICES FOR LABOR TO INCLUDE OVERHEAD, TOOL EXPENSE, TAXES, INSURANCE, PROFIT AND ALL-OTHER ASSOCIATED LABOR COSTS

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HOURLY COST ITEMS

		-			Unit Price	Per Hour
· · · · · · · · · · · · · · · · · · ·	Type Labo	r	•	• •	Regular Time	Over- time
Foreman, on the Job or Mach	ine Operator		<b>V.</b>			
Semi-Skilled Labor	. ·	·			xxx	XXX
Common Labor		•	•	•		,
		•				

UNIT PRICES FOR EQUIPMENT TO INCLUDE PROFIT AND ALL ASSOCIATED OPERATING COSTS

Trucks assigned to a work crew for transportation of men, tools and equipment to be paid for on the basis of the
number of hours that the crew works. All other trucks and equipment to be paid for by the hour available for
or actually in use.

	Type Equipment	Unit Price Per Hour
-	% or.1 Ton Truck	
	1%-Ton Truck	
	14 Ton. Truck with Winch	_
-	Tractor with Semi-Trailer	_
į	Air Compressor, 1-2 Pneumatie Hammer	<u> </u>
	2-3 Inch Water Pump	<u>                                     </u>
,	4 Inch Water Pump	<del> </del>
.51	Blower (Gasoline or Electric)	<del> </del>
	Pole Trailer or Cable Trailer	<del> </del>
	Trench Machine 20 H.P. or Less	╬ -
-	Trench Machine 21 H.P. or More	+ -
(	Pipe Pusher or Boring Machine	+ :
<b>`</b> .	Caterpillar Tractor (bulldozer)	+ -
.,	Wheel Tractor with Backhoe	+ -
	Backhoe-Crawler Mounted	╅
	Dump Truck-6 yd. Capacity or under	+
	Dump Truck-over 6 yd. capacity.  F01B14Z 00530	+
	Barricade and Light-Price per day	ı

#### BURIED CABLE

#### HOURLY COST ITEMS

#### UNIT PRICES FOR LABOR TO INCLUDE OVERHEAD, TOOL EXPENSE, TAXES, INSURANCE, PROFIT AND ALL OTHER ASSOCIATED LABOR COSTS

EV-4536-E

•	Unit Price	Per Hour
Type Labor	Regular Time	Over- time
Foreman, on the Job or Machine Operator		
Semi-Skilled Labor		
Common Labor		

UNIT PRICES FOR EQUIPMENT TO INCLUDE PROFIT AND ALL ASSOCIATED OPERATING COSTS Trucks assigned to a work crew for transportation of men, tools and equipment to be paid for on the basis of the number of hours that the crew works. All other trucks and equipment to be paid for by the hour available for or actually in use.

Type Equipment	Unit Price Per Hour
% or 1 Ton Truck	
1%-Ton Truck	
1½ Ton. Truck with Winch	
Tractor with Semi-Trailer	
Air Compressor, 1-2 Pneumatic Hammer	
2-3 Inch Water Pump	
4 Inch Water Pump	
Blower (Gasoline or Electric)	
Pole Trailer or Cable Trailer	
Trench Machine 20 H.P. or Less	
Trench Machine 21 H.P. or More	
Pipe Pusher or Boring Machine	
Caterpillar Tractor (bulldozer)	
Well Point System Complete Price Per Point Per Hour	
Vibratory Tamp	
Vibratory: Tamp with Roller	-
Front End Loader	
Generator 1500 Watt and Over	
Vehicle Mounted Crane F01B14Z	00531

- (d) "18-14" means 18 inches is the "Normal" depth of trench or plowed depth and 14 inches is the "Minimum" depth of trench or plowed depth.
- (e) Under "Handholes & Manholes" all columns are self explanatory except "W-L" which means Width-Length.

#### 3. BIDDING INSTRUCTIONS

- 3.01 Unit prices shall be secured to cover each size and gauge of cable or wire.
- 3.02 Space is provided to secure "unit prices" for three types of soil, firm, unstable and fluid for manholes and "unit prices" shall be secured for all types of soil conditions unless it is definitely known what types of soil will be required.
  - 3.03 Unit prices shall be secured to cover all items, "depth in inches", and "headroom in inches" listed in the bid sheets unless it is definitely known that such items will not be encountered and the items will be typed out of the bid sheets.
- 3.04 Bell System Practices provide dimensions for trenches and manholes based on depth of trench and types and figures of manholes and compensation for only the number of cubic feet of rock excavation actually required by such dimensions listed in the practices will be paid by the Telephone Company to the Contractor.
- 3.05 All buried cable and manholes shall be constructed in full accordance with the instructions contained in Bell System Practices unless otherwise indicated on detailed plans.
- 3.06 The determination of soil conditions shall be made by the Telephone Company's Supervisor inspecting the manhole work with assistance from the Engineer that prepared the Authorization when needed.
- 3.07 The "unit prices" listed under each type soil shall include the cost of any pumping, bracing, sheeting, shoring, or any other measures required to construct manholes in such type soil.
- 3.08 The "Unit Prices" per trench foot for depth of trench or plowed depth in inches listed under buried cable are maximum depth for such unit prices and the Contractor will be compensated in accordance with the "unit prices" for each depth as a maximum and compensation for the next standard depth will be made when a standard depth is exceeded. This agree-

- ment shall apply to the "unit price" per manhole for headrom in inches.
- 3.09 The "depth of trench" and "plowed depth" in inches is applicable to the actual "depth of the trench" and "depth of the plow" and therefore includes the diameter of the cable or wire.
- 3.10 All "depth of trench" and "plowed depth" shall be "Normal" except short distances less than "Normal" but not less than minimum may be allowed.
- 3.11 The "Unit Prices" for "Trenched" or "Plowed" buried cable or wire shall apply to all soil conditions and locations of cable or wire except an added charge will be allowed for rock excavation for plowed cable.
- 3.12 The "Unit Prices" for "Trenched" cable or wire includes placing all cable and wire in the trench and in handholes or manholes, on poles or buildings and in conduit or pipe protection or other locations.
- 3.13 Under the "Unit Prices" for "Plowed depth" the Contractor shall be compensated at the "Unit Price" per foot for each foot of cable and wire reported as material used except:
  - The footage of cable or wire reported to an authorization as excess cable or wire used, to clear reels and junked and so explained on the report.
  - When 2 one pair underground wires are plowed simultaneously as a separate operation, compensation will be paid for one half of the reported wire footage.
  - 3. Such compensation shall be all inclusive and no additional compensation shall be paid for any trenching or other work required to place all cable and wire unless covered by "items" listed under additional charges.
- 3.14 The "unit prices" for constructing manholes shall include placing all cable racks, pulling-in irons or other equipment required by Bell System Practices or listed on detail plans.
- 3.15 The Contractor shall be compensated on the basis of Hourly Cost "Items" for labor and equipment as follows:
  - For the cost of removing stumps, logs or other obstructions not ordinarily encountered in manhole construction.

- 2. For the cost of any test holes required by the drawings, plans or specifications or performed upon a request by the Telephone Com-
- 3. For the cost of any excavation that is abandoned due to circumstances and conditions beyond the Contractor's control such as subsurface obstructions, changes in plan, etc.
- 3.16 The cost of removing or rearranging any subsurface structures or other utilities required to provide clearance for manholes shall be paid for by the Telephone Company.
- The Telephone Company shall, at its own expense, protect telephone service by applying and maintaining gas pressure on all cables that may be subject to damage from buried cable or manhole construction.
- Walkways, driveways and roadways may be composed of various bases and toppings. It is intended to use the appropriate combination of unit prices for the various bases and toppings to conform with the actual bases and toppings removed or restored.
- Walkways, driveways, and roadways may be composed of bases and toppings of thicknesses varying from established standards. The unit price listed must be based on the following agreements:
  - That non-standard thicknesses may be en- 32 countered in surface removal, and the Con- 33. tractor will be compensated in accordance with 34Bid Submitted by: with the "Unit Prices" listed, for each 2 inch increment or part thereof for removing surface other than concrete and for each standard thickness or part thereof for removing concrete surface and additional compensation for each one inch increment above eight inches.
  - Surfaces will be restored using standard thicknesses. The "Unit Prices" for surface restoration shall exclude the cost for all material.

- That the Contractor will be compensated for surface removal regardless of the method of removal (hand or machine).
- All surface removal and restoration is to be performed in compliance with City, County, State or Federal requirements and the Telephone Company shall compensate the Contractor in accordance with these requirements and dimensional requirements as specified in Bell System Practices.

- 3.21 Any surface, sod, or paving that has to be removed and restored because of damage by the Contractor in excess of that required by the above listed regulations or job specifications shall be removed and restored at the Contractor's expense.
- In those instances where the Contractor is under contract to perform all surface restoration, any temporary resurfacing or repaving required during the progress of the job shall be included in the unit prices for surface removal and restoration and no additional compensation shall be allowed the Contractor for such temporary construction.
- In those instances where the Contractor is under contract to perform only surface removal and surface restoration will be performed by others, and temporary repaving or resurfacing is required, it is appropriate that unit prices for such temporary repaying and resurfacing be established to cover local require-
- 3.24 Any temporary walkways, driveways, bridges, or other temporary construction required for vehicular or pedestrian traffic during the construction of buried cable shall be included in the unit prices for such work and no additional compensation will be allowed the contractor for such temporary construction. The Contractor submitting this bid, based on the estimated number of units listed on the bid sheets, estimates the total contract cost to be;

gim.S. CARL HANKINS, INC. Firm Pres. Title

March 6, 1986

AREA NUMBERS
REQUEST FOR NEW, REVISION, OR CANCELLATION

CEQUEST FOR NEW AREA NUMBER	ER .			
PNFMW MICROTE	4 ##	NORTH/WE	ST JACKSONVILLE	,
LOCATION IDENTIFICATION	EEKS RD	PNFA	DIVISION AND DISTRICT	1 10-00
REET ADDRESS	s. Fe 32079			LOREM TAX CODE
CITY AND ZIP CODE	,	EMPAC REPOR	RT SUMMARY CODE	
01 02 03 04 05	06 07 08	09 10	BUILDING CLEARANCE GRO	DUP (AREA # TYPE 4, 9, 8
AREA NUMBER TYPE (PLACE X IN AF	PROPRIATE BLOCK)			7 01 0 1 15
MRK9			3C 2 59 AREA NUMBER ASSIGNED	DATE ASSIGNED INIT
REVISION OF EXISTING INFOR	MATION		AREA NUMBER ASSIGNED	DATE ASSISTED THE
ALTIGUE OF LATOTING THE ON	CHANGE: FROM			
EXISTING AREA NUMBER	EXISTING DATA		:	
ITEM TO BE CHANGED .	TO REVISED DATA			· ·
	REMARKS			<u> </u>
DATE CHANGED INITIALS	REMARKS	-		
CANCELLATION OF EXISTING A	AREA NUMBER			
•				• •
AREA NUMBER	REASON FOR CANCELL	ATION	• / /	
DATE CANCELLATION EFFECTIVE	AUTHORIZATION			
	ALL INVESTMENT	HAS BEEN TI	RANSFERRED OR RETIRE	D: YES ( ) NO
DATE CANCELLED INITIALS	REMARKS	· · · · · · · · · · · · · · · · · · ·	•	
		*		<u> </u>
OUESTIONS REGARDING THE AB	OVE SHOULD BE DIR	ECTED TO:	•	
		•	•	207 0600
NAME T. L. BROWN	TITLE MAN	VAGER - ENG	INEERING TELEPH	ONE NUMBER 325-9690
COMPTROLLERS USE:		APP	ROVED:	1
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			NAGER - PAGINEERING	4-22 80 DATE
LGCATION MASTER FILE UPDAT		71	NAGER - ENGINEERING TLE LICATE COPY TO BE R	DATE
DATE BY	,	DUF	TLE . C.	DATE
LGCATION MASTER FILE UPDAT	,	DUF T.	LICATE COPY TO BE R	DATE
DATE BY  TRWARD TWO COPIES TO:  DISTRICT ACCOUNTING MANAGE	,	DUF T.	LICATE COPY TO BE R	DATE

## OP to GCS Portion

T. C. Taylor Operations Manager - I & M Distribution

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DISTRIBUTION LIST

Donna Peterson Room 27EE1 SBT

January 15, 1986

Jacksonville, FL 32202

Escoe Green, Inc. P. O. Box 8623 Jacksonville, FL 32211

J. E. Blitchington 5209 Timuquana Road. Jacksonville, FL 32210

G. T. Rollins 14 State Road Room 224 Orange Park, FL 32073

H. C. Isgette Room 18HH1 SBT Jacksonville, FL 32202

File



## Southern Beli

Room 14JJ1, Southern Bell Tower 301 W. Bay Street Jacksonville, Florida 32202 (904) 350-3586

**ENGINEERING** JKVL. NW GROUP

# INDIVIDUAL CONTRACT FOR MISCELLANEOUS OUTSIDE PLANT WORK AND/OR LINE CLEARANCE WORK

NORTH FLORI	DA AREA State	Contract No. I-113-85
NORTH WEST	JACKSONVILLE District	Not To Exceed \$
other	contract awarded on than a Cost-Plus sis pursuant to bid	This Contract awarded or other than a Cost-Plus, Fixed Fee basis without bid offering.
	<b>(4)</b>	This contract awarded of a Cost-Plus. Fixed Fee basis, With Without Bid Offering.
	INDEX	Page
Article 1. Article 2. Article 3. Article 4. Article 5. Article 6. Article 7. Article 8. Article 9. Article 10. Article 11. Article 12. Article 13. Article 14. Article 15. Article 16. Article 17. Article 18. Article 19.	Contract Limitation Contract Price Beginning and Completion Dates Materials, Labor and Appliance Restoration of Streets and Hig Permits and Licenses Delays: Extension of Completi Inspection of Work Hotices Change in the Work Losses: Indemnity of Telephon Liability Insurance Method of Payment: Detailed S Receipted Bills Deductions from Statements Assignments Protective Measures and Notice	2 2 3 3 3 4 00 4 5 5 5 6 Company 6 7 Statements 7
THIS AGREEME	Off, made this 6th day of Ja	nuary , 19 85
hereinafter		othern Bell Telephone and Telegraph York hereinafter called "Telephone

#### WITNESSETH

( ·

That the Contractor and the Telephone Company, for the consideration hereinafter named, hereby covenant and agree as follows:

# ARTICLE 1. DESIGNATED WORK

Authority No. EV-4536-B

Location N. W. Jacksonville

The Contractor will perform for the Telephone Company the items of Contract Work authorized and/or required on the above Authority at the above location and set forth on attached bid sheets designated as Exhibit "A" by and in strict and full accordance with the requirements of the plans, drawings, and specifications of the Telephone Company Covering the items of work set forth in attached Exhibit "A".

# ARTICLE 2. CONTRACT LIMITATION

NOT TO EXCEED \$

- (a) The Telephone Company and the Contractor agree that the liability of the Telephone Company to pay compensation to the Contractor for the performance of work under this Contract shall NOT EXCRED the Contract Limitation shown above, which is a FIXED PRICE or is the estimated total contract cost computed by applying the unit prices to all of the work units listed on the attached Exhibit "A" with a reasonable allowance for contingencies.
- (b) This Contract Limitation may be exceeded to the extent authorized in writing by the Telephone Company's General Manager Distribution.

#### ARTICLE 3. CONTRACT PRICE

The Telephone Company and the Contractor agree that there are two methods of computing compensation to be paid the Contractor by the Telephone Company for work performed by the Contractor under this type of Contract and the method indicated by ( X ) in block below shall be used for computing compensation due the Contractor under this Contract.

FIXED PRICE of \$ _______ to be paid the Contractor for the completion and acceptance of all items of work set forth in attached Exhibit "A". Deductions for any items not completed or payment for any added items to be explained in writing and approved by the Telephone Company's General Manager - Distribution.

WNIT PRICE--the total Contract cost to be paid the Contractor shall be computed by applying to each of the units of work set forth on the attached Exhibit "A", completed by the Contractor and accepted by the Telephone Company, the unit price for such units of work which are set forth in Exhibit "A".

## ARTICLE 4. BEGINNING AND COMPLETION DATES

(a) The Contractor shall begin work within ten (10) days after written notification by the Owner that the materials to be supplied by the Telephone Company hereunder, or a sufficient amount thereof, are ready for delivery to the Contractor; or, if no materials are to be furnished by the Telephone Company hereunder, within Ten (10) days from the date of the execution of this Contract; and shall entirely complete the work by not later than February 4, 1986, unless extended by mutual agreement, or as provided for in Article 8.

(b) The Contractor shall begin and carry on the work at such points, in such order of precedence and at such times as the Telephone Company's representative may from time to time direct.

# ARTICLE 5. HATERIALS, LABOR AND APPLIANCES

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- (a) The Contractor will furnish all materials (except materials to be furnished by the Telephone Company as provided for in Section (b) of this Article 5), cartage, tools, implements and appliances, and do and perform all work required for the full performance of everything shown, described or reasonably implied by applicable general plans, drawings and specifications of the Telephone Company.
- (b) The Telephone Company will furnish to the Contractor at such time as will not delay the Contractor in his work, all cable, poles, anchors, conduit, pipe bends, castings, couplings, manhole frames and covers, U-guards, mortar bandages, cheese cloth, dowel pins, pulling-in irons, creosoted plank and any other miscellaneous hardware or minor supplies assocated with above materials, and the Contractor shall receipt for and be responsible for said materials from date of delivery.
- (c) The Contractor shall in the performance of this Contract, supply material and workmanship of a quality which is in strict and full accord with such parts of the Telehone Company's plans and specifications as are applicable to the work covered under this Contract, and shall furnish at Contractor's own expense all labor and material to make good any defects of materials or workmanship which may show up within one year from the date of the completion and acceptance of the work covered by this Contract.
- (d) The Contractor shall furnish, employ and have exclusive control of all persons to be engaged in or about the work set forth in the Contract; and shall prescribe and control the means and methods of doing such work. All persons employed by the Contractor in and about the performance of any such work shall be agents or employees of the Contractor, and neither the Contractor nor any of such agents or employees shall be deemed to be employees of the Telephone Company for any purpose whatever; the Contractor being, and at all times acting as, an independent Contractor hereunder, and being responsible as an independent Contractor to the Telephone Company.
- (e) Contractor acknowledges receipt of a copy of general plans, drawings and Bell System Practices of the Telephone Company covering each of the items of work set forth in Exhibit "A" and agrees to perform all work in a manner consistent with the safety precautions as set forth in Bell System Practices.

### ARTICLE 6. RESTORATION OF STREETS AND HIGHWAYS

The Contractor shall properly refill with suitable material any and all excavations made, and shall restore all streets and highways, including sidewalks, which may be disturbed in making excavations to their former conditions unless otherwise ordered by the proper City, County or State

Highway suthorities as the case may be, and to the entire satisfaction of governmental authorities having jurisdiction over such streets and highways. Should the Contractor fail so to properly restore any streets which he has disturbed and the City, County or State incur any expense in repairing or restoring the same, the Contractor shall reimburse the City, County or State, as the case may be, for such expense, and shall indemnify and save harmless the Telephone Company on account of any expense the Telephone Company may incur by reason of the failure of the Contractor to comply with the provisions of this Article 6.

### ARTICLE 7. PERHITS AND LICENSES

The Contractor shall secure and pay for all governmental permits and licenses required by law with relation to any work covered by this Contract, and shall give all notices, pay all fees and comply with all laws, ordinances, rules and regulations relating to the work or to the full performance of this work except such permits as the Telephone Company may obtain for the opening of streets, sidewalks, roads and highways. The Telephone Company will, in such manner as not to delay the work of the Contractor, provide all necessary permits for occupying or excavating streets, highways, railroad right-of-way, public utility easements, or any other private property, but the Contractor shall provide all other permits and licenses as above provided, and shall indemnify and save harmless the Telephone Company from any liability on account of the Contractor's failure to secure or comply with such permits and licenses.

### ARTICLE 8. DELAYS: EXTENSION OF COMPLETION DATE

- (a) If the Contractor be delayed in the completion of the work by strikes, lockouts, unavoidable casualties, or any other causes beyond the Contractor's control, then upon claim in writing by the Contractor therefor, the time of completion shall be extended for such reasonable time as the Telephone Company's General Manager Distribtuion may decide. No such extension shall be made for delay occurring more than seven (7) days before claim therefor is made in writing to the Telephone Company's General Manager Distribution.
- (b) No compensation shall be paid by the Telephone Company to the Contractor for any time lost during any such delay; except that should the failure of the Telephone Company (1) to furnish to the Contractor any materials as and when provided for in section (b) of Article 5 hereof, or (2) to procure permits as and when provided for in Article 7 hereof, necessarily result in any temporary cessation of the work by the Contractor and actual loss to the Contractor on account of such cessation, the Telephone Company will pay the Contractor for such lost time, the amount to be determined by the Telephone Company's General Manager Distribution.
- (c) The Contractor agrees that if the Contractor in the opinion of the Telephone Company neglects or refuses to supply sufficient tools, equipment and skilled workers or the proper quality and quanity of material suitable to perform the work covered by this Contract, or in any way fails to prosecute the work with promptness and diligence or in strict conformity with this Contract and such plans and specifications as may be incorporated herein, the Telephone Company, at its option and without prejudice to any

other resedy that it may have, after one day's written notice may take over all labor materials and appliances on the site and complete or have completed the entire work covered by this Contract. The cost of such completion by or for the Telephone Company shall be at the expense of the Contractor, and the amount of such cost shall be deducted from the compensation due the Contractor under this Contract. If the cost of such completion by the Telephone Company be in excess of the compensation due the Contractor under this Contract, such excess shall be due to the Telephone Company and shall be and become immediately payable on completion by the Telephone Company of the work set forth in this Contract. Any excess of the compensation due the Contractor for the work covered by this Contract over such cost shall be paid to the Contractor by the Telephone Company.

# ARTICLE 9. INSPECTION OF WORK

- (a) Inspection of the whole or any part of the work, and of the materials Furnished by the Contractor, may be made by the Telephone Company's representative, at any time or times convenient to either of them, and the Contractor shall provide proper facilities, including all necessary tools and labor, for such inspection.
- (b) If the work so inspected is found to be inferior or defective, or not in strict and full accordance with this Contract, or with the applicable plans, drawings and specifications of the Telephone Company, the Contractor shall bear the expense of such inspection, and shall at his own expense at once reconstruct the work in full accordance with this Contract and applicable plans, drawings and specifications of the Telephone Company. But the failure or neglect of the Telephone Company's representative to inspect, condemn or reject inferior or defective materials or work shall not be construed as an acceptance of such materials or work by the Telephone Company, nor shall the Telephone Company be barred at any subsequent time from the recovery of damages or of such sums of money as may be necessary to replace inferior or defective materials and to reconstruct the work in accordance with the Contract and said plans, drawings and specifications whenever such inferior or defective materials or work may be discovered.

# ARTICLE 10. NOTICES

At all times during the progress of the work a foremen shall be in charge who shall keep on the ground for reference a copy of the contract, plans, drawings and specifications. Any notice given to the foremen by the Telephone Company's General Manager - Distribition or his representative shall be binding on the Contractor.

#### ARTICLE 11. CHANGES IN THE WORK

The Telephone Company may make changes in the work designated or shown by applicable plans, drawings and specifications of the Telephone Company, by altering, adding to, or taking from the work, and Contractor's compensation for said work shall be adjusted accordingly; but no such changes shall be made except upon the order of the Telephone Company's representative. All work under such changes shall be executed under the conditions of this Contract, which Contract shall not, as to the changed work or the original

work, be construed to be invalidated or in any manner changed or altered by any such changes, whether material or otherwise.

# ARTICLE 12. LOSSES: INDEMNITY OF TELEPHONE COMPANY

- (a) Contractor agrees to indemnify and hold harmless the Telephone Company, its directors, officers, employees and agents, from all claims and suits for any liability including but not limited to injury, death, or damage to any person or property whatsoever, caused by, arising from, incident to, connected with, or growing out of the performance or nonperformance of this Contract, including but not limited to injury or damage which is or is alleged to be caused in whole or in part by any act, omission, default, or negligence of the Contractor.
- (b) Contractor further specifically agrees to indemnify and hold harmless the Telephone Company, its directors, officers, employees and agents, from all claims and suits for any liability including but not limited to injury, death, or damage to any person or property whatsoever, caused by, arising from, incident to, connected with or growing out of the performance or nonperformance of this Contract which is, or is alleged to be caused in whole or in part (whether joint, concurrent, or contributing) by any act, omission, default, or negligence (whether active or passive) of the Telephone Company, its directors, officers, employees or agents. The foregoing indemnity shall also include liability imposed by any doctrine of strict liability. The Telephone Company and Contractor further agree that the liability of the Contractor to save harmless and indemnify the Telephone Company, its directors, officers, employees and agents for damages caused by any act, omission, or default of the Telephone Company, its directors, officers, employees or agents shall not exceed the sum of \$500,000 for property damage arising out of any one occurrence and \$500,000 for bodily injury or death arising out of any one occurrence. This indemnity agreement shall apply not only to claims and suits against the Telephone Company, its directors, officers, employees or agents alone, but also to those claims and suits brought against the Contractor and the Telephone Company, its directors, officers, employees or agents jointly, or any other combination. In the event of a joint verdict and judgment, the above-stated limit shall apply to the portion of the verdict or judgment which is against the Telephone Company, its directors, officers, employees or agents. The Telephone Company and Contractor agree that in the event a judgment in excess of the above amount is entered against the Telephone Company, its directors, officers, employees or agents, such judgment shall not be determinative of the issue as to whether the act, omission, default, or negligence upon which the action was brought was that of the Telephone Company, its directors, officers, employees or agents, or the Contractor.
- (c) The Contractor further agrees to indemnify and hold harmless the Telephone Company from all claims, liens, and/or suits for labor and materials furnished the Contractor or utilized in performance of this Contract.
- (d) Contractor agrees to defend on behalf of the Telephone Company, its directors, officers, employees and agents, all suits and claims brought jointly against the Contractor and Telephone Company, its directors, officers, employees and/or agents, or any other combination, or against the Telephone Company, its directors, officers, employees or agents alone for or arising

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from, incident to, connected with or growing out of the performance or nonperformance of this Contract, including, but not limited to any liability
assumed by Contractor in subparagraphs (a), (b) or (c) above. Should the
Contractor, in the judgment of the Telephone Company, ignore or fail to
properly handle, defend, or settle any such claim, lien or suit, the Telephone Company may at its option assume and undertake, or join in the handling or defense of any such claim, lien or suit, and in that event, the
Contractor will reimburse the Telephone Company for attorneys' fees and
other expenses incurred by it in handling or defending any such claim,
lien, or suit including any amounts paid by the Telephone Company in settlement thereof or in satisfaction of any judgment rendered in any such suit.

### ARTICLE 13. LIABILITY INSURANCE

Contractor shall take out, pay for, and at all times during the performance of work hereunder maintain, through insurance companies and agencies approved by and containing provisions satisfactory to the Company such public, contingent, and employer's liability insurance as will protect Contractor and Company from claims under worker's compensation and other employee benefit acts and from any and all other claims for damage for personal injury, including death, and from claims for property damage, which may arise in or result from the performance of the work covered by the Contract or by the failure or omission of Contractor to comply with any of the provisions of the Contract. Such insurance shall include comprehensive general liability and property damage, including automobile, products completed operations and broad form contractual, with coverage adequate in amounts to be determined by Contractor, to be reasonably necessary to afford protection from such claims, but with minimum limits as to personal injury of not less than \$500,000 per person and \$500,000 per occurrence under comprehensive automobile liability and of not less than \$500,000 per occurrence as to comprehensive general liability, and with minimum limit of not less than \$500,000 as to property damage, all of which coverages shall be written on an occurrence basis. In the event that Contractor does not obtain blanket broad form contractual liability covering Contractor's indemnity agreement under Paragraph 12 above, the Contractor shall provide a policy of insurance or specific endorsement insuring the contractual liability assumed by Contractor under this Contract. In no event shall the provisions of Paragraph 13 be construed in any way to limit Contractor's obligations under Paragraph 12 immediately preceding.

Certificates, indicating such insurance to be in force and effect and providing that it will not be canceled during the performance of the work under the Contract without thirty (30) calendar days prior written notice to Company, shall be filed with Company prior to commencement of work hereunder; provided, however, that Contractor shall at any time upon request file duplicate copies of the policies of such insurance with Company.

# ARTICLE 14. METHOD OF PAYMENT: DETAILED STATEMENTS

(a) The Contractor agrees to furnish detailed statements covering the entire work promptly upon completion of the Contract, or covering portions of the work completed on the Contract where the billing would be delayed appreciably if withheld awaiting the final completion of the Contract. The detailed statements shall contain a complete list of all units of work

performed under Exhibit "A" with a description of the units of work included in the statement.

(b) The Telephone Company will pay to the Contractor not later than 15 days after the receipt of such detailed statements the total amount due to the Contractor.

#### ARTICLE 15. RECEIPTED BILLS

The Contractor shall, if requested by the Telephone Company's General Plant Hanager, attach to the statements referred to in Article 14, receipted bills for all labor and materials furnished, and for any other expense contained in the said statements, and in the event there are outstanding against the Contractor any bills for labor or materials or for any other expenditures, the Telephone Company shall have the right to pay said outstanding bills and deduct the amount of same from the amounts shown in the statement.

#### ARTICLE 16. DEDUCTIONS FROM STATEMENTS

The Telephone Company's General Manager - Distribution may deduct from any statement rendered by the Contractor as provided for in Article 14, before issuing certificate of payment thereon, an amount or amounts sufficient to protect the Telephone Company from loss on account of:

(a) Defective work not remedied; (b) Claims filed, or reasonable evidence indicating the probable filing of claims; (c) Failure of the Contractor to make payments promptly for materials or labor. (d) Cost of restoration of Telephone Company's service as result of negligence on the part of the Contractor in the performance of work under this Contract.

# ARTICLE 17. ASSIGNMENTS

This Contract shall not be assigned, nor shall the Contractor assign any moneys due or to become due hereunder, without the previous written consent of the Telephone Company.

#### ARTICLE 18. PROTECTIVE MEASURES AND NOTICES

The nature of the work herein contemplated may bring the employees of the Contractor and its subcontractors into close proximity to the existing overhead, surface and underground facilities of the Telephone Company, other utilities or other persons, with a resulting risk or danger of personal injury to such employees or damage to such facilities. Should the work prints, drawings, plans or specifications delivered to the Contractor indicate or fail to indicate the location of such facilities, whether those of the Telephone Company, other utilities or other persons, it is expressly understood and agreed that the Telephone Company shall not incur any liability for injury to persons or damage to property by reason of furnishing or failing to furnish such information, the Contractor hereby assuming full responsibility for determining the exact location of all such facilities and their proximity to the work to be performed under this Contract. The

Contractor will keep itself fully informed to the dates, times and places on and at which each and every phase of the work berein contemplated is being or is to be performed, and the Contractor hereby assumes full responsibility for taking such protective measures and giving any and all notices which may be required to avoid or lessen to a minimum extent risk or danger of personal injury to such employees or damage to such facilities.

At the request of the Contractor, the Telephone Company will confirm to the other utility or other person the fact that the Contractor is performing work for the Telephone Company and request the cooperation of such other utility or other person, but the Contractor shall be and remain solely responsible for taking protective measures or giving notices as herein specified, and the Telephone Company shall not incur any liability by reason of such assistance to the Contractor or because of any failure of such other utility or other person to comply with any request by the Contractor or the Telephone Company.

# ARTICLE 19. CONTRACT READ AND UNDERSTOOD

The Contractor hereby admits that he has read each and every clause of this contract, and the annexed "Exhibits" and fully understands the meaning of the same, and hereby agrees that he will comply with the terms, covenants and agreements set forth herein.

IN WITNESS WHEREOF, the parties hereto have executed this agreement the day and year first above written, in duplicate originals.

Escoe Green, Inc.

SOUTHERN BELL TELEPHONE AND

TELEGRAPH COMPANY

General Manager

Title Kin-

WITNESS:

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# . Contractor Bid Sheets Estimate EV4536-B

- 1. All City, County, Department of Transportation, and OSHA traffic control and safety regulations shall be strictly adhered to. Expense of traffic control assistance shall be the responsibility of the contractor during all placing operations.
- 2. The contractor shall be responsible for locating and protecting all telephone cables and foreign utilities. Any negligent damage of telephone cables or failure to follow precautionary instructions shall be grounds to forfeit contract.

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- 3. Any bracing of poles, removal and replacement of signs or markers, shall be coordinated between the contractor and the respective owner(s) at no expense to the Telephone Company.
- 4. Restoration and clean-up is expected to be kept current to avoid unnecessary criticism and complaints. All debris shall be removed and disposed of in accordance with Health, Environmental, and City, County regulations.
- 5. The cost of City, County or Department of Transportation soil density test, to include removal and/or replacement of unsuitable soil, will be the full responsibility of the contractor accepting the contract for this project. Determination of any or all unsuitable soil shall be at the discretion of the Telephone Company representative on the job.

# THIS PAGE MUST BE SUBMITTED WITH YOUR BID

A copy of the contract on file at the office of the General Manager - Distribution, Jacksonville, Florida, is by reference made a part of this bid package. You are required to review the contract and familiarize yourself with the provisions contained therein prior to submitting your bid.

Your signature on the line below shall certify to Southern Bell that you have reviewed the contract on file and are agreeable to the terms and conditions contained therein should you be awarded the contract.

Robert E. Green

President

Title

Date: December 20, 1985

# EXHIBIT "A" CONTRACTORS BID SHEET BURIED CABLE

# BIDDING AGREEMENTS

# CENERAL

- 1.01 To attempt to provide "Unit Prices" to cover all possible Contract Work would result in a voluminous Exhibit "A" that would prove impractical and burdensome to the field forces to check and administer, and to the Contractors to submit reasonable sound bids.
- ".02 Exhibit "A" "Unit Prices" are confined to "Items" requiring appreciable time and cost to the Contractor. All work operations not covered but are associated with "Items" provided, must be considered as incidental, with the cost included in the "Unit Prices."
- 1.03 The "Unit Prices" on Bid Sheets work must be based on performance of the "Items" of work under normal conditions on a regular time 40-hour work week without any loadings for premium time.
- 1.04 When, in the judgment of the Telephone Company, conditions prevail that are considered abnormal to the extent that the "Unit Prices" would be inequitable to the Contractor or when service requirements or other circumstances impose the necessity of performing the work on an overtime basis, at the discretion of the Telephone Company, the Contractor will be compensated under these conditions solely on the basis of "Hourly Cost" prices for labor and equipment and compensation on "Unit Prices" plus compensation for premium time will not be made.
- 1.05 The Telephone Company will furnish to the Contractor all standard Telephone catalogue items of material. The "Unit Prices" listed shall exclude the cost of all materials furnished by the Contractor, except the cost for explosives and lumber used as forms, and the Contractor will be compensated for any materials furnished by him on the basis of actual cost (to include sales tax) plus ten (10) percent. Such material costs, including any standard Telephone catalogue items of material furnished by the Contractor at the request of the Telephone Company, shall be listed on separate Contractor's bills in detail as to kind, quantities and price and associated with the appropriate items of work.
- 1.06 The materials furnished by the Telephone Company shall be delivered in whole or parts at such time as will not delay the Contractor in his work at a location within reasonable proximity to the work.

sible for proper storage and safeguarding of any material furnished by the Telephone Company and the Contractor shall reimburse the Telephone Company for any losses from damaged, stolen or lost material due to negligence or improper storage or handling. The cost of unloading large shipments of telephone material and delivering to a location within reasonable promixity to the work shall be borne by the Telephone Company. The cost of any storage space for telephone material or watchman service to protect the material delivered to the Contractor and any miscellaneous expense such as, ferry or bridge tolls, police for traffic direction, etc., shall be borne by the Contractor.

# 2. **DEFINITIONS**

- 2.01 "Firm Soil" is defined as any soil that is normally self-supporting; however, deep excavation and the possibility of caving due to vibration may make it advisable to brace or sheet the walls of the excavation.
- 2.02 "Fluid Soil" is defined as a soil which normally is in a fluid condition to the extent that it is not self-supporting and generally must be confined by tight sheeting. Quicksands, marshes, soft clay and boggy ground fall in this group.
- 2.03 "Unstable Soil" is defined as a soil that is partially self-supporting and can be confined by sloping of the shoulders of the trench or partial bracing and shoring without tight sheeting. Filled ground, sandy clays and loamy soils fall in this group.
- 2.04 The following definitions apply to the headings of the columns under "Trenched and Plowed" cable or wire and "Handholes and Manholes":
  - (a) "Trench Ft." means the estimated number of trench feet to be required for each size and gauge of cable or wire.
  - (b) "Total Placed Cable or Wire Ft." means the estimated number of feet of cable or wire to be paid for at the plowed price, to include all cable and wire reported as material used.
  - (c) "N-M" means "Normal" and "Minimum" depth of trench or plowed depth.

- (d) "18-14" means 18 inches is the "Normal" depth of trench or plowed depth and 14 inches is the "Minimum" depth of trench or plowed depth.
- (e) Under "Handholes & Manholes" all columns are self explanatory except "W-L" which means Width Length.

# 3. BIDDING INSTRUCTIONS

- 3.01 Unit prices shall be secured to cover each size and gauge of cable or wire.
- three types of soil, firm, unstable and fluid for manholes and "unit prices" shall be secured for all types of soil conditions unless it is definitely known what types of soil will be required.
  - 3.03 Unit prices shall be secured to cover all items, "depth in inches", and "headroom in inches" listed in the bid sheets unless it is definitely known that such items will not be encountered and the items will be typed out of the bid sheets.
- 3.04 Bell System Practices provide dimensions for trenches and manholes based on depth of trench and types and figures of manholes and compensation for only the number of cubic feet of rock excavation actually required by such dimensions listed in the practices will be paid by the Telephone Company to the Contractor.
  - 3.05 All buried cable and manholes shall be constructed in full accordance with the instructions contained in Bell System Practices unless otherwise indicated on detailed plans.
  - 3.06 The determination of soil conditions shall be made by the Telephone Company's Supervisor inspecting the manhole work with assistance from the Engineer that prepared the Authorization when needed.
    - 3.07 The "unit prices" listed under each type soil shall include the cost of any pumping, bracing, sheeting, shoring, or any other measures required to construct manholes in such type soil.
    - 3.08 The "Unit Prices" per trench foot for depth of trench or plowed depth in inches listed under buried cable are maximum depth for such unit prices and the Contractor will be compensated in accordance with the "unit prices" for each depth as a maximum and compensation for the next standard depth will be made when a standard depth is exceeded. This agree-

- ment shall apply to the "unit price" per manhole for headrom in inches.
- 3.09 The "depth of trench" and "plowed depth" in inches is applicable to the actual "depth of the trench" and "depth of the plow" and therefore includes the diameter of the cable or wire.
- 3.10 All "depth of trench" and "plowed depth" shall be "Normal" except short distances less than "Normal" but not less than minimum may be allowed.
- 3.11 The "Unit Prices" for "Trenched" or "Plowed" buried cable or wire shall apply to all soil conditions and locations of cable or wire except an added charge will be allowed for rock excavation for plowed cable.
- 3.12 The "Unit Prices" for "Trenched" cable or wire includes placing all cable and wire in the trench and in handholes or manholes, on poles or buildings and in conduit or pipe protection or other locations.
- 3.13 Under the "Unit Prices" for "Plowed depth" the Contractor shall be compensated at the "Unit Price" per foot for each foot of cable and wire reported as material used except:
  - The footage of cable or wire reported to an authorization as excess cable or wire used, to clear reels and junked and so explained on the report.
  - 2. When 2 one pair underground wires are plowed simultaneously as a separate operation, compensation will be paid for one half of the reported wire footage.
  - 3. Such compensation shall be all inclusive and no additional compensation shall be paid for any trenching or other work required to place all cable and wire unless covered by "items" listed under additional charges.
- 3.14 The "unit prices" for constructing manholes shall include placing all cable racks, pulling-in irons or other equipment required by Bell System Practices or listed on detail plans.
- 3.15 The Contractor shall be compensated on the basis of Hourly Cost "Items" for labor and equipment as follows:
  - 1. For the cost of removing stumps, logs or other obstructions not ordinarily encountered in manhole construction.

for by the Telephone Company.

3.16 The Telephone Company shall, at its own expense, protect telephone service by applying and maintaining gas pressure on all cables that may be subject to damage from conduit or manhole construction.

3.17 Walkways, driveways and roadways may be composed of various bases and toppings. It is intended to use the appropriate combination of unit prices for the various bases and toppings to conform with the actual bases and toppings removed or restored.

3.18 Walkways, driveways, and roadways may be composed of bases and toppings of thicknesses varying from established standards. The unit price listed must be based on the following agreements:

- 1. That non-standard thicknesses may be encountered in surface removal, and the Contractor will be compensated in accordance with "Unit Prices" listed, for each 2 inch increment or part thereof for removing surface other than concrete and for each standard thickness or part thereof for removing concrete surface and additional compensation for each one inch increment above eight inches.
- Surfaces will be restored using standard thicknesses. The "Unit Prices" for surface restoration shall include the cost for all material.
- That the Contractor will be compensated for surface removal regardless of the method of removal (hand or machine).

3.19 All surface removal and restoration is to be performed in compliance with City, County, State or Federal requirements and the Telephone Company shall compensate the Contractor in accordance with these requirements and dimensional requirements as specified in Bell System Practices.

3.20 Any surface, sod, or paving that has to be removed and restored because of damage by the Contractor in excess of that required by the above listed regulations or job specifications shall be removed and restored at the Contractor's expense.

3.21. In those instances where the Contractor is under contract to perform all surface restoration, any temporary resurfacing or repaving required during the progress of the job shall be included in the unit prices for surface removal and restoration and no additional compensation shall be allowed the Contractor for such temporary construction.

3.22 In those instances where the Contractor is under contract to perform only surface removal and surface restoration will be performed by others, and temporary repaving or resurfacing is required, it is appropriate that unit prices for such temporary repaving and resurfacing be established to cover local requirements.

3.23 Any temporary walkways, driveways, bridges, or other temporary construction required for vehicular or pedestrian traffic during the construction of underground conduit shall be included in the unit prices for such work and no additional compensation will be allowed the contractor for such temporary construction.

The Contractor submitting this bid, based on the estimated number of units listed on the bid sheets, estimates the total contract cost to be;

**\$_** 

Bid Submitted by:

fill 2

Firm Escoe Green, Inc.

A Sun

Title

Date December 20, 1985

# EXHIBIT "A"

# CONTRACTORS BID SHEET BURIED GABLE

Form 6739 Feb. 1967 Page 1

BID SUBMITTED BY:

M	KA.	- Presid	<u></u>		_ AUTHO	RIZATION 1	No. EV-4536	5-B
#W	41.511.	/20/85				<b>-</b>		
TE					D ANY! MA	THOD		
	CABLE OR							<del> </del>
Size	Cal	Total Trench Ft.	14-24	25-30	31-36.	37-42	43-48	49-54
BER TIC			1					
110			†					
			Since	r is ant	l Cipated	that the	re will	be a
			mixture	of plac	ement met	hods ove	r the en	Lire
	<b>!</b> !		route o	f this p	roject,	ayment i	or cable	place
	<del> </del>		will be	compute	d as tre	ched fee	t regard	less
	] ]		of the	method a	ctually	sed to F	lace the	cable
			Plowed	portions	of cable	placeme	nt will	иот ве
			compute	d at the	price p	I TOOL I	or each al used	browea
•	]				e in mas			<u> </u>
			Custome	TITY GOI	E III Mas	er contr		<u> </u>
•	ļ		<u> </u>	<u> </u>	<del> </del>	<del> </del>	<del>├</del>	<del>                                     </del>
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	<u>.                                    </u>		OT	HER - TREN	CHED			
	CABLE O				· · · · · · · · · · · · · · · · · · ·		F TRENCH IN	<del></del>
	Ca	Total Trench Ft.	N - M 14-10	N - M 18-14	N - M 24 - 20	N - M 30 - 26	N - M	N - M
Siza		-1000-0-					i 36 - 32	42 - 38
Size						00-20	36 - 32	42 - 38
Size						50-20	36 - 32	42 - 38
Size				-		30-25	36 - 32	42 - 38
Size				-		34-22	36 - 32	42 - 38
Size				-		30-23	36 - 32	42 - 38
Size				-		W-23	36 - 32	42 - 38
Size							36 - 32	42 - 38
Size				-		W-2	36 - 32	42 - 38
Size						W-23	36 - 32	42 - 38
Size							36 - 32	42 - 38
Size				-			36 - 32	42 - 38
Size							36 - 32	42 - 38
Size							36 - 32	42 - 38
Size							36 - 32	42 - 38
Size							36 - 32	42 - 38
Size							36 - 32	42 - 38
Size							36 - 32	42 - 38
Size							36-32	42 - 38

1 1-10 50

# EXHIBIT "A"

CONTRACTORS BID SHEET (.TIMI) M.

**BURIED CABLE** BY (INIT.)

_No.	Type	Dimen.	S O I	CONCRETE 1	No. &	Price pe	r Hole fe	or Head	room in	Inches		
oles	Hole	in Ft. W-L	Ĭ	42	48	54	60	66	72	78	81	90
	Х	3 X 4	FM.					XXX	xxx	XXX	xxx	XXX
	х	3 X 4	UN.					xxx	xxx	xxx	xxx.	xxx
	x	3 X 4	FL.					xxx	xxx	xxx	xxx	xxx
:	В	3½ X 6½	FM.	· xxx	xxx	xxx						
· .	В	3% X 6%	UN.	xxx	xxx	xxx						
	В	3½ X 6½	FL	xxx	xxx	xxx						
	A	4½ X 8½	FM.	xxx	xxx	xxx		-				
• .	A	4½ X 8½	UN.	XXX	xxx	xxx	xxx				ļ	
-	. A .	4½ X 8½	FL.	xxx	xxx	xxx	xxx	<b> </b>			1	

(j. ž		ADDITIONAL CHARGE FOR ITEMS RELATED TO BURIED CABLE		
Unit	No. Units	Item Description	Price Per Unit	
EACH	3	Place c-sign post at each splice location stamped with cable and spice location information.		22
EACH	40	Pedestal for Terminal or Cable Marker (Includes Placing Terminal or Marker Plate) Stamped with cable location information	į	24
LIN FT.	1060	cable placed in innerduct Place 1 innerduct, and 1 cable in existing Duct		26
LIN FT.	272	cable placed in innerduct :place 2 innerduct, and 1 cable in existing Duct.		28
<u> </u>				
PLACED FT.	270	Place (1) 4" PVC casing under existingculverts to include innerduct and cable.		30 31
BORED FOOT	50	Boring 1-4 in. hole under roadways or driveways and placing casing when required (includes placing cable) and innerduct. BIP furnished by	Cont.	<i>'31</i>
DUCT FT.	50	Any Type Conduit or Pipe.placed in same trench with cable		34
EACH	3	place electronic cable locator		35
<u> </u>			_	١ .
TRENCH	1	Each Increment of 6 Inches or Part thereof below 42 Inches of Cable cover Due to Obstruction or Expected Change in Elevation for a Distance of 10	Ť	
FT.	400	Continuous Feet or More		38
PER ENTR.	1	Opening Wall and Pointing up (Buried Cable Entrance — Exist. Manhole)	,	40
LIN. FT.	212	Place C-wire in existing duct F01B14Z 00552		42

BID SUBMITTED BY: EXHIRLL _V.. Feb. 1967 FIRM (INIT.) E.G.I. CONTRACTORS BID SHEET Page 5 BURIED CABLE BY (INIT.). SURFACE REMOVAL AND/OR RESTORATION 12/20/85 DATE Price Per Unit to Item Description No. Units to Remove Restore Remove Restore Unit 9 **SQUARE** 1000 XXX Sod or Grass (to include top soil) XXX FOOT Brick (sidewalk) XXX XXX XXX XXX XXX XXX XXX XXX Brick (street) Sidewalk Block (precast) XXX XXX XXX XXX 13 Gravel or Crushed Rock in Increments of 2 Inches 4290 XXX XXX ( Shell, Cinders, or Slag in Increments of 2 Inches XXX XXX XXX XXX Added Charge for Oil XXX XXX Asphalt, Blacktop, Macadam or Equivalent in Incre-525 525 16 ments of 2 Inches 4 Inch Concrete (sidewalk, roadway or gutter) 10 10 18 10 10 6 Inch Concrete (sidewalk, roadway or gutter) 10 10 10 8 Inch Concrete (sidewalk, roadway or gutter) Concrete in Increments of 1 Inch above 8 Inches (Side-10 10 2 walk, roadway or gutter) Reinforcement (concrete items) XXX XXX XXX XXX LINEAR XXX XXX FOOT Concrete Curb Only XXX XXX XXX Saw Concrete XXX **SQUARE** ચ્ડ FEET XXX 125,000 Seed and mulch XXX (

27

.F01B14Z 00553

ID SUBMITTED BY:	EXHIBIT -A
IRM (INIT.) E.G.I.	CONTRACTORS BID SHEET
Y (INIT.)	BURIED CABLE
DATE12/20/	UNIT PRICES FOR LABOR TO INCLUDE OVERHEAD, TOOL EXPENSE, TAXES, INSURANCE, PROFIT AND ALL OTHER ASSOCIATED LABOR COSTS
	Type Labor
Foreman, on the Job or M	lachine Operator
Semi-Skilled Labor	
Common Labor	
Trucks assigned to a wo	QUIPMENT TO INCLUDE PROFIT AND ALL ASSOCIATED ork crew for transportation of men, tools and equipment to be paid e crew works. All other trucks and equipment to be paid for by
	Type Equipment
% or 1 Ton Truck	
1%-Ton Truck	
14 Ton, Truck with Wine	ch
Tractor with Semi-Traile	r
Air Compressor, 1-2 Pneu	ımatic Hammer
2-3 Inch Water Pump	
4 Inch Water Pump	
Blower (Gasoline or Elec	tric)
Pole Trailer or Cable Tra	üler
Pole Trailer or Cable Tra Trench Machine 20 H.P.	
	or Less
Trench Machine 20 H.P. Trench Machine 21 H.P.	or Less or More
Trench Machine 20 H.P.	or Less or More achine
Trench Machine 20 H.P.  Trench Machine 21 H.P.  Pipe Pusher or Boring M  Caterpillar Tractor (bullet	or Less or More achine dozer)
Trench Machine 20 H.P. Trench Machine 21 H.P. Pipe Pusher or Boring M Caterpillar Tractor (bulk Wheel Tractor w	or Less or More achine dozer)
Trench Machine 20 H.P.  Trench Machine 21 H.P.  Pipe Pusher or Boring M  Caterpillar Tractor (bulle  Wheel Tractor w  Backhoe-Crawler	or Less or More achine dozer) ith Backhoe Mounted
Trench Machine 20 H.P.  Trench Machine 21 H.P.  Pipe Pusher or Boring M  Caterpillar Tractor (bulle)  Wheel Tractor w  Backhoe-Crawler  Dump Truck-6 yd	or Less or More achine dozer)

JACK Grands



# Southern Bell

8FF1 Southern Bell Tower 301 W. Bay Street Jacksonville, Florida 32202 (904) 350-2413

J. W. Cearley Engineering Manager

🎍 July 23, 1986

File: North Fla. L.G. Test Results

Mr. W.H. Tyler Operations Manager Fort Lauderdale, FL.

Mr. Harold Isgette Engineering Manager Jacksonville, FL.

Dear Sir:

<u>( .</u>

Attached are the test results for the following spans:

Clay/Riverside F505 Acceptable
Riverside/Wesconnett F504 Not Acceptable
Orange Pk/Green Cove Spr F502 Acceptable

Mr. Bruce Johnston (904-350-2211) has conferred with us about the high splice readings on Cable F504. Since these splices have been given reasonable attention in reducing splicing loss, we are requesting Mr. Terry Boatwright, Atlanta Construction Methods and Procedures, determine why the fiber loss readings are above our calculated values and what can be done to lower these readings.

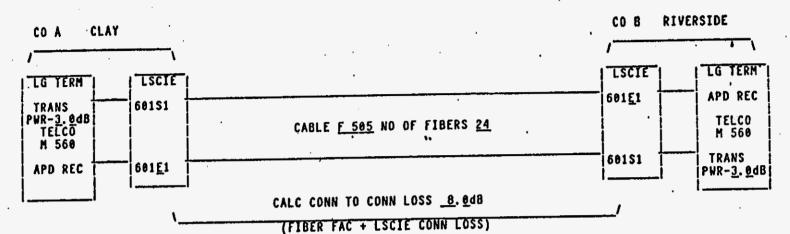
All the test results are acceptable. If you have any questions, call W.L. Tinkel at 825-9840.

Yours truly.

For Engineering Manager

WLT/ck

cc: M.W. Henretta Terry Boatwright



MEASUREMENTS
SANDERS &BARROW
TESTED BY DATE 4-17-86

1 NO	LOSS	ACCEPTED	NO I	LOSS	ACCEPTED
1-110-	<del> </del>	OK	25		
1 5	6.3	ŏĸ	26		
2 3	5.6	ŌΚ	27	,-	
1 4	5.0	OK	28	,-	
. 5	4.8	0 i	29	,-	
ĬŠ	4.6	OK	36	,-	
i 7	6.0	OK I	31		
8	6.9	OK.	32		
) 9	5.8	OK	33	,-	
j 10	7.5	OK	34	,-	
11	7.2	. 0K°	35		
12	7.4	OK .	36		
13	5.6	OK	37 38		
1 14	5.3	j ok	39		
15	5.8	j OK			
16	7.9	i OK	40   41		
1 17	7.9	OK OK	42		
18	8.6		43		
1 19	5.1 8.0	OK OK	44		
20	8.0	o k	45	:-	
22	7.2	ÖŘ	46		
23	8.2	ŎŘ	47		
24	8.3	· ŏĸ	48		
-	1		i	i	İ

AVG LOSS OF GOOD FIBERS 6.7 (+2.0-2.1)dB

SYSTEMS SPEC

FIBER SPEC

WAVELENGTH 1310 mm BIT RATE 560 Mb/s FIBER MANUF N.T.
LOSS PER KM 0.45dB/KM
SPLICE TYPE FUSTON

SPAN SPEC

SPAN LENGTH 7,9KM 25,9KF NO OF SPLICES 12 6.0dB

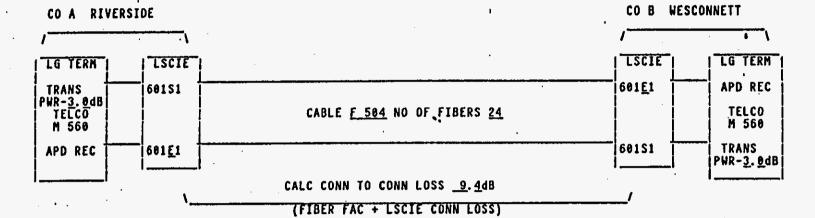
# NOTES:

1) THIS SPAN DESIGN ALLOWS COUPLING WITH RIVERSIDE/NORMANDY OR RIVERSIDE/WESCONNETT SPANS AS A SINGLE SPAN.

LIGHTWAVE FACILITY - NORTH FL CLAY TO RIVERSIDE

86JCCL-JCRV

ENGR: WLT ISSUE: 1 DATE: 5-25-85 FLORIDA SWITCHED SERVICES TRANSMISSION



MEASUREMENTS
BROWN & BARROW
TESTED BY _____ DATE _5-21-86

TNO	LOSS	ACCEPTED	NO	LOSS	ACCEPTED
1	11.3	REJECTED	25		
2	11.5	REJECTED	26		
] 3	,9.4	OK .	27		
4	12.1	REJECTED	28		
5	12.1	REJECTED	29		
6	10.7	REJECTED	30	,-	
7	7.2	OK	31		
8	7.6	OK.	32		
<b>j</b> 9 j	6.9	OK	33		
10	10.8	REJECTED	34		
11	10.5	REJECTED	35		
12	11.2	REJECTED	36		
13	12.5	REJECTED	37		
14	7.8	OK	38		
15	10.9	REJECTED	39		
16	9.2	j OK	40		
17	11.0	REJECTED	41		
18	14.9	REJECTED	42	,-	
19	7.5	j OK	43	,-	
20	8.2	j OK	44		
21	12.8	REJECTED	45	,-	
22	9.0	j OK j	46		
23	9. Ą	REJECTED	47		
24	11.7	REJECTED	48		
<u></u>			لسنسا		<u> </u>

AVG LOSS OF GOOD FIBERS 10.3 (+2.5-3.4)dB

SYSTEMS SPEC

FIBER SPEC

WAVELENGTH 1310 mm BIT RATE 560 Mb/s FIBER MANUF N.T.
LOSS PER KM 0.45dB/KM
SPLICE TYPE FUSION

SPAN SPEC

SPAN LENGTH 8.5KM 27.8KF NO OF SPLICES 18 FIBER LOSS CALC 7.4dB

# NOTES:

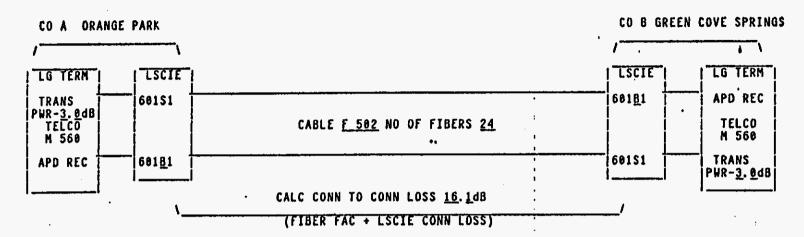
1) THIS SPAN DESIGN ALLOWS COULPING WITH RIVERSIDE/NORMANDY OR CLAY/RIVERSIDE SPANS AS A SINGLE SPAN.

LIGHTWAVE FACILITY - NORTH FL RIVEWRSIDE TO WESCONNETT

86JCRV-JCWC

ENGR: WLT ISSUE: 1 DATE: 5-25-85 FLORIDA SWITCHED SERVICES THANSMISSION

FQ1B14Z 00557



MEASUREMENTS

TESTED BY ____ DATE __-_-

Ι	NO_	1.055	ACCEPTED	NO	LOSS	ACCEPTED
Ī		11.2	OK	25	,-	*****
ĺ	2	13.7	OK	26	,-	
ļ	3	13,6	OK	27	,-	
ŀ	4	11.7	OK (	28	,-	
İ	5 6 7	10.0	OK	29	,-	
- 1	6	10.7	OK I	30		
ĺ		9.7	OK	31		
ĺ	8	12.1	OK	32		
ı	9	13.3	OK"	33		
l	10	11.9	OK	34		
Ì	11	12.1	014	35		
ı	12	10.8	OK .	36		
ĺ	13	11.5	OK I	37	[	
i	14	16.4	HI, BUT OK	38	,-	
ĺ	15	16.2	OK	39		
ı	16	10.0	OK .	48	,-	
ĺ	17	11.6	. OK	41		
- 1	18	10.8	OK :	42		
Ì	19	11.0	OK	43	,-	
Ì	20	12.0	OK	44	,-	
- 1	21	10.7	OK	45	,-	
Ì	22	10.3	. OK	46	,-	
j	23	12.6	OK	47	,-	
i	24	12.3	OK	48	,-	
Ì		·		ĺ ,		

AVG LOSS OF GOOD FIBERS 11.9 (+4.5-2.2) dB

SYSTEMS SPEC

FIBER SPEC

WAVELENGTH 1310 mm BIT RATE 560 Mb/s FIBER MANUF N.T.
LOSS PER KM 0.5 dB/KM
SPLICE TYPE FUSION

SPAN SPEC

 SPAN LENGTH 21.0KM
 68.9KF

 NO OF SPLICES
 18

 FIBER LOSS CALC
 14.1d8

NOTES:

LIGHTWAVE FACILITY - NORTH FL ORANGE PARK TO GRTEEN COVE SPGS

860RPK-GCSP

ENGR: WLT ISSUE: 1 DATE: 8-01-85 FLORIDA SWITCHED SERVICES TRANSMISSION

Engineering Manager

*(* ...

_//	
TLB PRF JNG PGM JLN JLN	☐ BJY ☐ JA ☐ TSC ☐ CIRCULATE ☐ RET. TO HCL ☐ COPY FOR HCL ☐ MAKE COPIES ☐ FILE



# Southern Bell

8FF1 Southern Bell Tower 301 W. Bay Street Jacksonville, Florida 32202 (904) 350-2413

July 23, 1986 File: North FL. L.G. Test Results

Mr. W.H. Tyler Operations Manager Fort Lauderdale, FL. Mr. Harold Isgette Engineering Manager Jacksonville, FL.

Mr. H.E. Downing Engineering Manager Gainesville, FL.

Dear Str:

Attached is the test results for Green Cove Springs to Keystone Hts. (F501) span.

All the test results are acceptable. If you have any questions, call W.L. Tinkel at 825-9840.

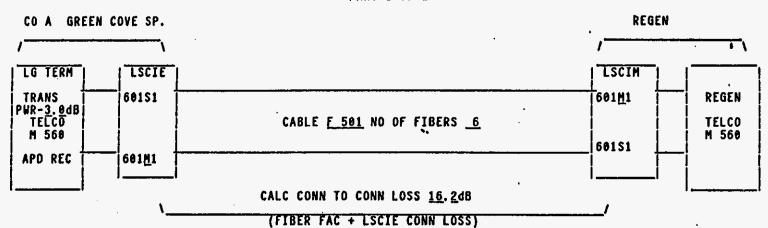
Yours truly,

FOR Engineering Manager

WLT/ck

cc: M.W. Henretta

ENGINEERING JKVL. NW GROUP



# MEASUREMENTS

TESTED BY ? DATE _- ?-

NO	LOSS	ACCEPTED	NO	LOSS	ACCEPTED
	11.9	OK OK	25	<del> ,-</del>	
2 3	11.8	OK	<b>j</b> 26		
	11.7	) OK	27		
4	11.8	0K	28		
4 5 6	12.8	j OK	29		
6	11.6	0K	30		
7			31		]
8			32	j	
9			33		
10	,-		34		
11	,-		35		{,
12			36		
13			37	j	]
14			38	į	
15			39		
16			48	i,-	
17		~==~==	41		
18		******	42		
19			43	i	
20			44		
21	'		45	,-	
22			46	,-	
23	,-		47	i	
24			48		
1	l	<b>1</b>		i	į į

SYSTEMS SPEC

FIBER SPEC

WAVELENGTH 1318 nm BIT RATE 560 Mb/s

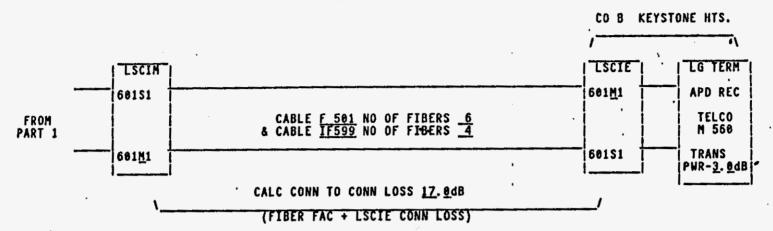
FIBER MANUF N.T.
LOSS PER KM 0.45dB/KM
SPLICE TYPE FUSION

SPAN SPEC

SPAN LENGTH 24.9KM 81.7KF NO OF SPLICES 15 15 14.2dB

NOTES:

AVG LOSS OF GOOD FIBERS 11.9(+0.9-0.4)dB.



MEASUREMENTS AJE TESTED BY CHE DATE 5-30-86

		CABI	E F 501 ACCEPTED		CABI	E IF 599 ACCEPTED
IN	0	LOSS	ACCEPTED	NO	LOSS	ACCEPTED
T	ī	13.1	OK .	1		
i :	2	13.7	OK	2		
	2	13.5	OΚ	3		
		13.2	0K	4		
i :	4 5 6	12.9	0K	5 6		
1	6	13.9	0K	6		
- i - :	7			7	<b></b>	
i i	βÌ			8		
1 1	β 9			9		
į 1	0			10		
i 1	1			11		
1 1:	2			12		
j 1:	3					
1 1	4			i i		
1	5			i i		
1	6			i i		
[ 1	7				,-	
1	8					
1 1	9			İ		
2	0			l i	,-	
1 2	1	'				
2		'		i		
1 2	3					
2	4	+			,-	
Í		i	ì			ì

AVG LOSS OF GOOD FIBERS 13.4(+0.5-0.5)dB.

SYSTEMS SPEC

FIBER SPEC

WAVELENGTH 1310 nm BIT RATE 560 Mb/s FIBER MANUF N.T. LOSS PER KM 0.45dB/KM SPLICE TYPE FUSTON

SPAN SPEC

SPAN LENGTH 24.8KM B1.5KF NO OF SPLICES 19 FIBER LOSS CALC <u>15. 6</u>d8

NOTES:

1) MICROTEL INTERLATA FACILITIES: HANDHOLE-HANDHOLE 74,373FT-11SPL,13.5dB REGEN TO HANDHOLE 100FT- 2SPL, 0.4dB HANDHOLE-KEYSTONE 7,127FT- 2SPL, 1.4dB FIBER LOSS 15.3dB

LSCIE LOSSES

2.0dB 17.3dB 27 TOTAL LOSSES ASSIGNED TO FIBERS 1 THRU 4 IN IF 599.

> LIGHTWAVE FACILITY - NORTH FL GREEN COVE SP TO KEYSTONE HTS.

> > 86GCSP-KYHG

ENG: WLT ISSUE: 1 DATE: 7-11-85 FLORIDA SWITCHED SERVICES TRANSMISSION

F01B14Z 005 61 Palatka, Florida October 2, 1985

Ref: EV4536

Mr. W. H. Skinner District Engineer Department of Transportation Lake City, Florida

Dear Mr. Skinner:

Permission is requested to place buried telephone facilities along State Road 15 from State Road 220 south to the Governors Creek Bridge as shown on the attached drawings.

The affected Utilities are being notified by copy of this letter, mailed October 2, 1985.

RECT 17 1935

SOUTHEAST JACKSONVILLE DISTRICT ENGRS. OFC.

Yours truly

Engineering Manager -

Distribution

TRH/eb

CC: Jacksonville Electric Authority
Clay Video

JACKSONVILLE ELECTRIC AUTHORITY OCT 14 1985

UUI 14 1985

on forme

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4 RECT

? RECO

F01B14Z 00562

H. C. Isgette Engineering Manager -Distribution



Palatka, Florida December 6, 1985

Ref: EV4536

Mr. W. H. Skinner District Engineer Department of Transportation Lake City, Florida

Dear Mr. Skinner:

Permission is requested to place buried telephone facilities along State Road 16 from Oakridge Avenue to S.R. 21 as shown on the attached drawings.

The effected utilities are being notified by copy of this letter, mailed December 6, 1985.

Yours truly,

Engineering Manager -

Distribution

TRH/eb

( }

CC: Florida Power & Light Company Clay Electric Co-op. City of Green Cove Springs City of Penney Farms

Attachments

H. C. Isgette
Engineering Manager Distribution

Fil 1/453



Palatka, F.orida December 9, 1985

Ms. Rita Shortridge Rm 27CCl Southern Bell Tower 301 W. Bay Street Jacksonville, Florida 32202

Dear Rita,

This letter is to authorize transfer of \$1,475 from Account 4C for Project 43836 or Estimate V4536 to Estimate V4519. Please contact T. R. Herb at 904-325-9009 if additional information is required.

Engineering Manager Distribution

Yours tr

TRH/eb

CC: EMPAC Coordinator

*** PROJECT LEDGER LISTING ***
OCTOBER, 1985

PAGE TOHAL RETENT

	FROJECT NUMBER	FORCE GROUP	RESP CODE	CO. ENG. Balances	TOTAL ENGR HOURB	CONTRACT Balances	CONTRACT FINAL CODE	FIRST CHARGE REC'D	LAST Charge Rec'd
	77750	089	00000000	•00	.00	1326.00	22C	0765	0765
TOTAL	•			•00	. 00	1325.00	•		
	43794	030	N21425000	25.01	.50	.00		1065	1085
	43794	030	N21481000	425.06	8.00 ~	.00		0686	0555
TOTAL	•			450.07	8.50	.00			
	43815	030	N21482000	446.8[	5.00	.00		0783	0783
1	43618		N21426000	448.81-	8.00-	.00		1086	1085
TOTAL	•			.00	.00	.00			
	43631	030	N21461000	1028.26	20.00	.00	,	0385	0488
TOTAL				1028.26	20.00	.00			
	43836	089	J00000000	.00	.00	1475.00	<b>4</b> C	1084	0385
TOTAL	•			.00	.00	1478.00			
	43839	030	M21428000	92.69	2,00	.00		1006	1085
	43839	030	N21481000	764.41	17,00	.00		0884	0386
	43039	089	J00000000	.00	.00 -	1500.00	48C	0784	0784
TOTAL	•	•		887.10	19.00	1500.00			
	43878	030	N21422010	1062.71	24,26	.00		0486	0488
	43878	030	H21426000	25.01	.60	.00	•	. 1985	1088
	43878	030	N21461000	838.66	17.80	.00		0484	0288
	43878	089	J00000000	.00	00	1800.00	480	0984	. 0784
TOTAL	•	•		1913.38	42.20	1400.00	•		

F01B14Z 00565

		****
H.I. ISGETTE	319 mai	. 37
DIST MGR		
ENG		
PALATKA FLA		
(- 12-9-85		
MS. RITA SHORTRIOGE		
Rm 27CC1 3.B. TowER	_	
301 W. BAY	<del></del>	
JAY FLA		
<i>i</i>		
DEAR RITH,		
This cetter is to and	sine transler	en 1,475
The letter is to authorized from account 40 for Project to Estimate V 4519. Please	43836 or Est	mal V 4530
to Estimate V 4519. Please	content TR N	al at
904-325-9009 is additional in	nermation is to	anis D.
904-325-9009 ig Odditional es		
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cc: Empue Condinator	······································	
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	£01	.DI47 00000 _

Palatka, Florida October 2, 1985

Ref: EV4536

Mr. W. H. Skinner District Engineer Department of Transportation Lake City, Florida

Dear Mr. Skinner:

Permission is requested to place buried telephone facilities along State Road 15 from State Road 220 south to the Governors Creek Bridge as shown on the attached drawings.

The affected Utilities are being notified by copy of this letter, mailed October 2, 1985.

L Brown
Engineering Manager Distribution

Yours truly

TRH/eb

(:·

CC: Jacksonville Electric Authority Clay Video PROJECT: 43836 ESTIMATE: V4536 Distribution of Revision
Construction
Drawings

Palatka, Florida October 10, 1985

1

Southern Bell 410 Highway 19 South

Accounting Manager 27FF2 Southern Bell Tower 301 West Bay Street Jacksonville, Florida 32202

### Dear Sirs:

Attached are Construction Drawings 24 thru 47 and revised Construction Drawings 11,12,14,15,16,17,18,19,20, and 23 for Estimate V4536 which was approved July 21, 1985. The Construction Drawings were revised to delete the placement of the ALBW-25, and to reflect existing facilities omitted from the original drawings.

This estimate provides for placing buried and underground single mode fiber cable from the Orange Park Central Office to the Penney Farms/Keystone Heights Exchange boundary.

Ul Brown
Distribution

TRH/eb

CC: Mr. J. E. Blitchington Mr. G. Rollins Mr. Lanny Newman EMPAC Coordinator Brenda Moore PLRMS LM H. C. Isgette Engineering Manager -Distribution

Southern Bell 410 Highway 19 South

Palatka, Florida August 20, 1985

Accounting Manager 27FF2 Southern Bell Tower 301 West Bay Street Jacksonville, Florida 32202

Dear Sirs:

Attached are Construction Drawings 2 thru 23 for Estimate V4536 which was approved July 21, 1985. The remaining construction drawings to be issued at a later date.

This estimate provides for placing buried and underground single mode fiber cable from the Orange Park Central Office to the Penney Farms/Keystone Heights Exchange boundary.

Ingineering Manager Distribution

TRH/eb

CC: Mr. J. E. Blitchington Mr. G. Rollins Mr. Lanny Newman EMPAC Coordinator Brenda Moore PLRMS LM

PROJECT: 43830 ESTIMATE: V4536

Revised Const.
Drawings

Palatka, Florida January 3, 1986



Southern Bell 319 Main Street

# REVISED

Accounting Manager 27FF2 Southern Bell Tower 301 West Bay Street Jacksonville, Florida 32202

Dear Sirs:

Attached is revised Construction Drawing 7 for Estimate V4536 which was approved July 21, 1985. The construction drawing is revised to reflect buried Cable IV crossing S.R. 15 at S.R. 220.

This estimate provides for placing buried and underground fiber cable from the Orange Tark Central Office to the Penney Farms/Keystone Heights Exchange boundary.

Yours truly,

Engineering Manager

Distribution

TRH/eb

**(***:

CC: Mr. J. E. Blitchington Mr. G. Rollins Mr. Lanney Newman EMPAC Coordinator Brenda Moore PLRMS LM

A ..... SOUTH Company

F01B14Z 00570

H. C. Isgette Engineering Manager -Distribution



Southern Bell
319 Main Street

Palatka, Florida December 6, 1985

Ref: EV4536

Mr. W. H. Skinner

District Engineer

Department of Transportation
Lake City, Florida

Dear Mr. Skinner:

Permission is requested to place buried telephone facilities along State Road 21 from State Road 16 to a point south of Dade Road as shown on the attached drawings.

The effected utilities are being notified by copy of this letter, mailed December 6, 1985.

Engineering Manager -Distribution

TRH/eb

CC; Florida Power & Light Company

Attachments

H. C. Isgette District Manager -Engineering

Southern Bell

410 Highway 19 South

Palatka, Florida August 20, 1985

Mr. J. E. Blitchington District Manager - Construction 5209 Timuquana Road Jacksonville, Florida

Dear Sir:

Attached is a list of Major Material for Estimate V4536, which received executive approval on July 21, 1985.

This estimate provides for placing aerial and underground single mode fiber cable from the Orange Park Central Office to the Penney Farms/Keystone Heights exchange boundary. The material for the portion of this estimate from the Orange Park Central Office to the Green Cove Springs Central Office should be ordered for a January I ship period. The remaining cable will be ordered at a later date.

District Manager -Engineering

Yours tr

TRH/eb

Attachments

CC: Mr. G. Rollins EMPAC Coordinator LM

A SELLSOUTH Company

PROJECT: 43836 ESTIMATE: V4536 Construction

Southern Bell 410 Highway 19 South

H. C. Isgette
Engineering Manager Distribution

Palatka, Florida August 13, 1985

Accounting Manager 27FF2 Southern Bell Tower 301 West Bay Street Jacksonville, Florida 32202

Dear Sirs:

Attached are Construction Drawings 2 thru 23 for Estimate V4536 which was approved July 21, 1985. The remaining construction drawings to be issued at a later date.

This estimate provides for placing buried and underground single mode fiber cable from the Orange Park Central Office to the Penney Farms/Keystone Heights Exchange boundary.

Yours truly,

Engineering Manager - Distribution

TRH/eb

CC: Mr. J. E. Blitchington Mr. G. Rollins Mr. Lanny Newman EMPAC Coordinator Brenda Moore PLRMS LM

A ITLLSOUTH Company

H. C. Isgette
Engineering Manager Distribution

TRH



Palatka, Florida March 4, 1986

Mr. J. C. Miller
District Staff Manager Engineering/Assignment/Capital/LEC
15JJ1 Southern Bell Tower
301 West Bay Street
Jacksonville, Florida 32202

Dear Jack:

Project 43836 proposes placing buried lightguide cable from Orange Park to Keystone Heights. A 1500 foot portion of State Road 21 Right-of-way crossing the south prong of Black Creek, is extremely wet making construction of the buried cable extremely difficult and costly.

The optimum site for our proposed cable falls on a 10 feet wide strip of land on the Camp Blanding Military Reservation between the State Road Right-of-way and Camp Blanding's perimeter fence. This site is considerably higher than the State Road right-of-way. Initial construction costs would be lower and the possibility of damaged cable incurred by ditch maintenance would be eliminated.

Southern Bell has previously acquired a lease from Camp Blanding for a signal regenerator site on State Road 21 adjacent to Weeks Road. We feel this lease proposal should be incorporated into the existing lease at minimal additional costs to Southern Bell.

Attached is a site location sketch and a completed Form 8500. If additional information is required, please contact Tim Herb at 904-325-9009.

Engineering Manager

Distribution

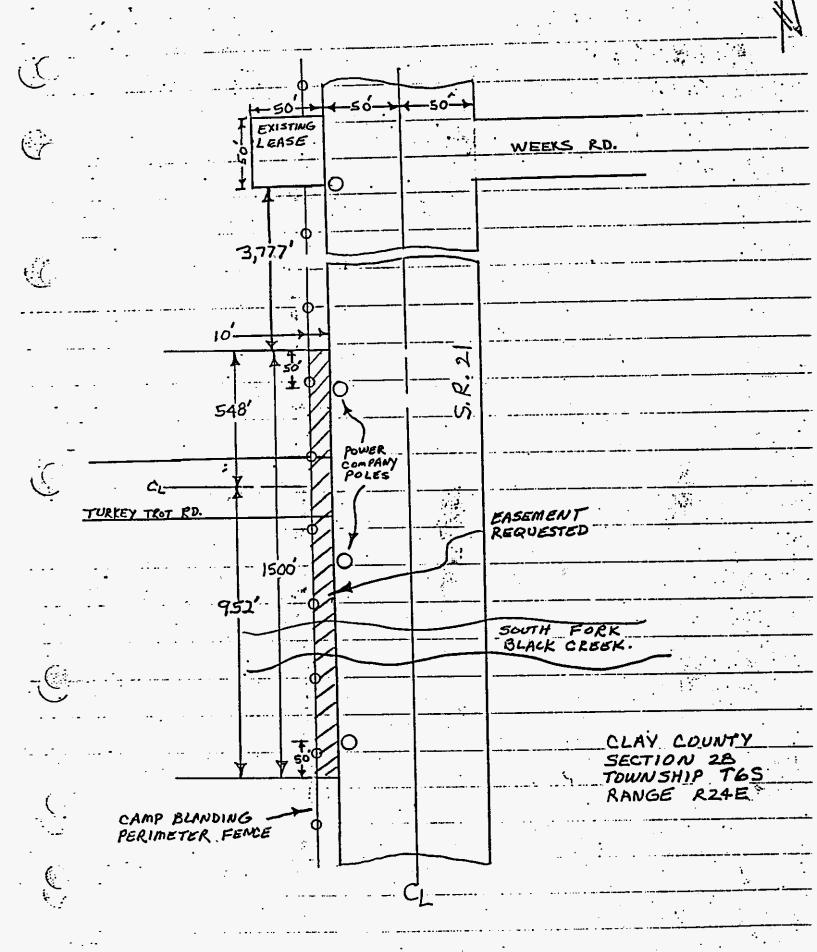
TRH/eb

Attachments

OPTIONAL FORM FOR DISTRIBUTION DISTRICT MANAGER TO USE	-
QUESTIONNAIRE - REAL ESTATE CONSIDERED FOR ACQUISITION	
Exchange: EXEMPT FARMS Location of Parcel: S.R.21 AT TURKEY TROT ROAD.	
Proposed Use of Parcel: BURIED FIBER CAREOrder of Preference: CHOICE 1	
Allocation No.: 4210/4216 Project Eng.: TRH Tel. No.: (904) 325-9009	7
Owner: DEPT. OF MILITARY AFFAIRS Address: STATE ARSENAL, ST. AUGUSTINE, F.	
DESCRIPTION OF PARCEL	•
<ol> <li>Neighborhood (Business or Residential - Excellent, Good, Fair, Poor):</li> </ol>	
RURAL	
2. Elevation info	
3. Zoning Regulations (Zoning District - Change Required?): AONE	
4. Bldg. Setbacks Req'd. by Zoning, Ordinance, PUD, etc.: N/A	
Front, rear, sides	
5. Electric Power available at the Site?: YES Where WEST SIDE O	x= 5
6. Type of Acquisition:Easement; X LeasePurchase*	
7. Do you know if any Deed Restrictions or Restrictive Covenants that	
will not allow a Tel. Bldg? <u>NO</u>	
COSTS	
8. Price (Free) or Price \$	
9. Extraordinary Site Costs \$	
10. Other (Removal of Exist. Improvements, Etc.) \$	
11. If not located at optimum point Outside Plant Penalty \$	
12. TOTAL \$	
OTHER PERTINENT DATA	
Parcel Measurements: 15,000 Square Feet:	
BURIED ( I have reviewed this site and find that it is a viable choice for a bloom site.	ABL site
Signed: fmoths/flew 3/3/86 Engineer Date	

*Refer to R/W Coordinator for further handling.

**(** 



410 Highway 19 South

Palatka, Florida June 25, 1985

Mr. J. C. Miller
District Staff Manager
Engineering/Assignment/Capital/LEC
15JJ1 Southern Bell Tower
301 West Bay Street
Jacksonville, Florida 32202

Dear Jack:

Project 43836 proposes placing lightguide cable from Orange Park to Keystone Heights. A concrete structure is required to house a signal regenerator along State Road 21 at Weeks Road in the Penney Farms Wire Center. The proposed lightguide cable will be west of the center line of State Road 21 which parallels the Camp Blanding Military Reservation from State Road 16 to the Keystone Heights Exchange.

The optimum site for our proposed structure falls on the Camp Blanding Military Reservation. The only alternative site would require looping the fiber cable across State Road 21. This alternative would be less secure, the buried fiber would be more difficult to protect from damage associated with road and ditch maintenance, and the cable placement would be more costly.

Lieutenant Colonel Marcus M. Cornelius III, Staff Judge Advocate of the Florida National Guard, has indicated that an inexpensive lease can be obtained at the Camp Blanding site. Your assistance is requested in finalizing this lease.

Attached is a site location sketch, a Form 8500, and the June 18 letter of Lieutenant Colonel Marcus M. Cornelius III. If additional information is required, please contact Tim Herb at 904-325-9009.

Yours truly,

Engineering Manager

Distribution

/TRH/eb

Attachments

### STATE OF FLORIDA DEPARTMENT OF MILITARY AFFAIRS OFFICE OF THE ADJUTANT GENERAL

STATE ARSENAL, ST. AUGUSTINE

June 18, 1985

Mr. Tim Herb
District Engineer
Southern Bell Company
410 Highway 19 South
Palatka, Florida 32077

Dear Mr. Herb:

Colonel Harry J. Raymond, our State Quartermaster, has referred F.L. Hostetter's letter of May the 21st, 1985 to my office for evaluation and consideration.

The Florida National Guard has no objections to leasing Southern Bell a fifty by fifty tract of land on State Road 21 where it is intersected by Weeks Road. I understand that this section of ground is needed to house a signal regenerator along State Road 21.

It would require the following items to be in any lease of that property:

- 1. A declaration that allowing Southern Bell to lease the property meets or will fulfill a military need or purpose. (Simply state that the leasing of the tract of land will facilitate communications at Camp Blanding and meets a military need for communications.)
- 2. We would need a hold harmless agreement for any damage incurred as a result of Southern Bell placing the facility upon our property.
- 3. The site to be fenced would have to be in line with our present fences so we can maintain our present fire lines.
  - 4. In the event that the signal regenerator interferes with military signal equipment, Southern Bell would agree to shield the

facility so as not to interfere with military communications equipment or in the alternative would agree to remove the structure.

- 5. The lease would be subject to the rules and regulations of the Department of Military Affairs.
- 6. The lease would be subject to preemption by the Department of the Army in the event of a national emergency.
- 7. That Southern Bell agrees to frequently inspect and maintain the fence line and to maintain the grounds in a clean and orderly manner.

If all of these items are agreeable, please have your counsel draft a lease for our consideration. The lease should be submitted to the commander of Camp-Blanding, attention SJA. I would also appreciate your sending a copy of it to this office.

The Florida National Guard is pleased to cooperate with Southern Bell in this venture.

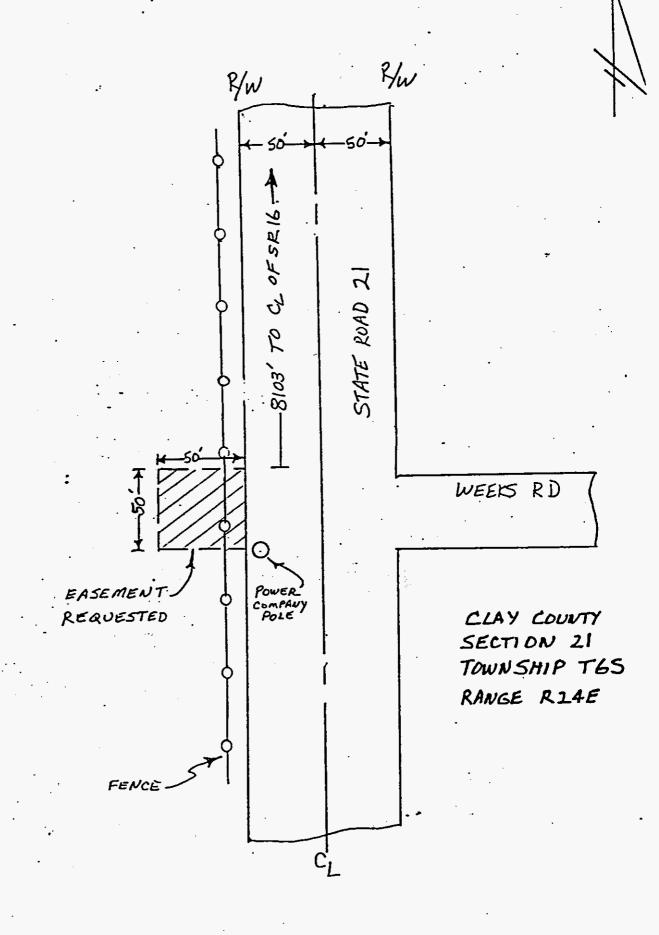
Very truly yours,

MARCUS M. CORNELIUS III

LTC, JA, FLARNG

Staff Judge Advocate

Lieutenant Colonel Karlf. Dwind Pt. 1 Ber 465 Starto, Fl. 32071-9703



**-**( ,

C. 2

OPTIONAL FORM FOR DISTRIBUTION DISTRICT MANAGER TO USE	
QUESTIONNAIRE - REAL ESTATE CONSIDERED FOR ACQUISITION	
Exchange: PENNEY FARMSLocation of Parcel: S.R. 21 AT WEEKS RD, CLAY CO.	
Proposed Use of Parcel: Cowclete HUT Order of Preference: CHOICE 1	
Allocation No.: 4210 Project Eng.: TRH Tel. No.: 325-9009	
STATE OF FLORIDA Owner: DEPT. OF MILITARY AFFRESADDRESS: STATE ARSENAL, ST. AUGUSTINE, F.	2.32
DESCRIPTION OF PARCEL	,
<ol> <li>Neighborhood (Business or Residential - Excellent, Good, Fair, Poor):</li> </ol>	
RURAL	
2. Elevation info	
3. Zoning Regulations (Zoning District - Change Required?): Nove	
4. Bldg. Setbacks Req'd. by Zoning, Ordinance, PUD, etc.: NOWS	
Front, rear, sides	
5. Electric Power available at the Site?: YES Where WEST SIDE OF	= 5,1
6. Type of Acquisition:Easement;LeasePurchase*	
7. Do you know if any Deed Restrictions or Restrictive Covenants that	
will not allow a Tel. Bldg? $NO$	
COSTS	
8. Price (Free) or Price \$	
9. Extraordinary Site Costs	
10. Other (Removal of Exist. Improvements, Etc.)	
	•
11. If not located at optimum point Outside Plant Penalty \$ 0	
OTHER PERTINENT DATA	
Parcel Measurements: 2,500 Square Feet:	
I have reviewed this site and find that it is a viable choice for a bldg. sit	e.
Signed: Timothy R Herb 6-29-85	
/ Engineer Date	

*Refer to R/W Coordinator for further handling.

iJJ1 Southern Bell Tower 301 W. Bay Street ☐ CIRCULATE acksonville, Florida 32202 ☐ RET. TO HCI hone (904) 350-2668 COPY FOR HCI

J. C. Miller District Staff Manager Engineering/Assignment/Capital/LEC

September 3, 1985

File Code: 1N21.4B

(

Camp Blanding Regeneration Site

Mr. H. C. Isgette Engineering Manager -West Jacksonville District 5211 Timuquana Road Jacksonville, FL 32210

Dear Mr. Isgette:

Enclosed is a copy of the fully executed lease Serial Number 10331 which was secured by our Real Estate Department for the 50 by 50 foot parcel of land at Camp Blanding to be used by Southern Bell as a Regeneration Site. You may proceed with your authorization.

TLB

PRF

riic

RRM

JJZ

BCP

JLN

□ BJY

☐ TSC

☐ FILE

☐ MAKE COPIES

The Real Estate Department will make the necessary arrangements with our Comptroller's Department to make the annual rental payments.

Please return a copy of this lease attached to a completed Right-of-Way Document transmittal sheet along with information sufficient to post the location to the Atlas plats. Refer to Tab 4 of the Right-of-Way manual and send the package to the attention of Jim Lilley. Jim can be reached on 350-2629.

Yours truly,

JWL:pr 8/D1

Attachment

SEP 06 1985

ENGINEERING JKVL. NW GROUP

#### LEASE AGREEMENT

This lease agreement is entered into this 20th day of August,

1985 between State of Florida - Department of Mintary Affairs - Office

J Aojutan General, hereafter called the "Lessor", and SOUTHERN BELL

TELEPHONE AND TELEGRAPH COMPANY, a Georgia Corporation with offices at

Southern Bell Tower, 301 West Bay Street, Jacksonville, Florida, 32202,

hereinafter called the "Lessee".

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#### WITNESSETH:

That the Lessor does this day lease unto Lessee a 50 by 50 foot plot being a portion of the Lessor's property located on Lessor's property presently called Camp Blanding Military Reservation, Clay County, Florida, described as:

50' by 50' tract of land on west side of State Road 21 at intersection of State Road 21 and Weeks Road (Section 21, Township 65, Range 24E) as shown on attached sketch which by reference is hereby made a part of this lease agreement.

The leased premises are to be used and occupied by the Lessee for the installation of a Signal Regeneration and/or Carrier Building which will facilitate telecommunications services to Lessor TO HAVE AND TO HOLD the same for a term of fifty (50) years beginning on the 1st day of January, 1986, and ending on the 31st day of December, 2035, at the annual rental rate of Five Hundred Dollars (\$500.00) payable in advance each year during the term of this lease.

The following convenants and conditions are agreed to by the parties:

- This lease is non-assignable, and Lessee shall have no authority to assign or sublet all or any part of the demised premises without prior written consent of the Lessor.
- Lessee shall pay for any and all improvements required in connection with construction of its installation. Site is to be fenced by Lessee. Fencing to coincide with Landlord's fence line.

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- Lessee shall be responsible for payment of any and all taxes levied in connection with said installation.
- 4. Upon expiration or cancellation of this lease, Lessee agrees to completely remove or have removed, all structures, including concrete slabs or foundations, constructed by the Lessee and to restore the Lessor's property to its original condition or better.
- 5. If Lessee's equipment interferes with the Landlord's signal equipment, Lessee will, upon written notice from Lessor, shield the facility so as not to interfere with Landlord's signal equipment or if not able to provide adequate shielding, Lessee agrees to remove the building and equipment thereby terminating this lease in its entirety.

- 6. Lessee agrees that this lease and Lessee's use of subject premises is and shall be subject to a) the Rules and Regulations of the United States Department of Military Affairs, and b) preemption by the United States Department of the Army in the event of a national emergency.
- 7. Lessee agrees to hold Lessor harmless from all claims, loss or damage by reason of its occupancy of the demised premises, including specifically any loss, claim or damages or expenses incurred in defending against any suit for injuries suffered by any person on the demised premises, or any suit for damages done to property on the demised premises.
- 8. Lessee agrees to inspect, on a routine basis, the fence line and maintain same. Lessee also agrees to maintain the grounds under lease in a manner that is similar to that maintained by Lessor on adjacent property.
- 9. If the Lessee is denied a building permit by Clay County to utilize the subject parcel for the proposed facility, then the Lessee shall have the right to cancel this lease by giving a 60 day written notice to Lessor of the Lessee's intent to terminate this lease.
- 10. Lessee shall have the right of ingress or egress to subject premises. Lessee shall have the right to install underground cable and conduit on leased property.

IN WITNESS WHEREOF, the parties hereto executed this instrument for the purposes herein expressed the day and year first above written.

Signed, Sealed, and Delivered

ARMORY BOARD

BY:

Vice Chairman

SOUTHERN BELL TELEPHONE AND

TELEGRAPH COMPANY

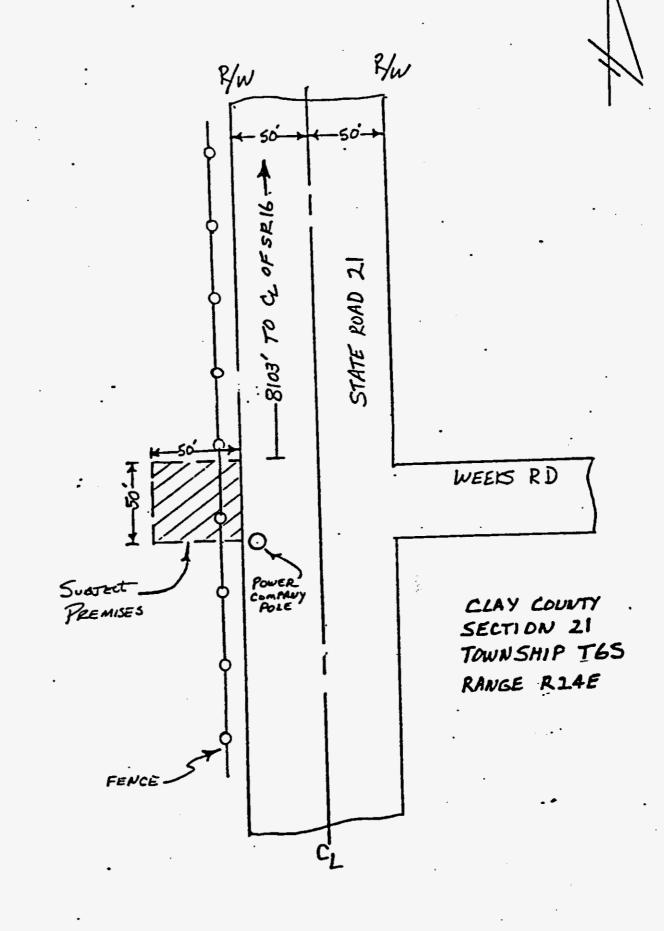
BY:

Services/Florida SEGGET MANAGER- REALLESTATE

APPROVED AS TO FORM

AREA ALLURNEY

DWH:tj 4/J1-4



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STATE OF FLORIDA

COUNTY OF CADE DUNKL

I HEREBY CERTIFY, that on this day personally appeared before me, an officer

D. J. (harring year

duly authorized to administer oaths and take acknowledgements,

Finally Real Privator,

Serve Estak

to me well known and known to me to be the General Manager - Support Services

in Florida for Southern Bell Telephone and Telegraph Company, a corporation,

and he acknowledged to and before me that he executed the foregoing instru
Serve Estak

ment as such General Manager - Support Services in Florida in the name and on

behalf of said corporation and under due authority from said corporation.

in said State and County, this 20 to day of August A.D. 19 85

W. Halligsworth
Notary Public

NOTARY PREMIC STATE OF FLORING MY COME 20 LEFT TO A FEW MEY

STATE OF FLORIDA

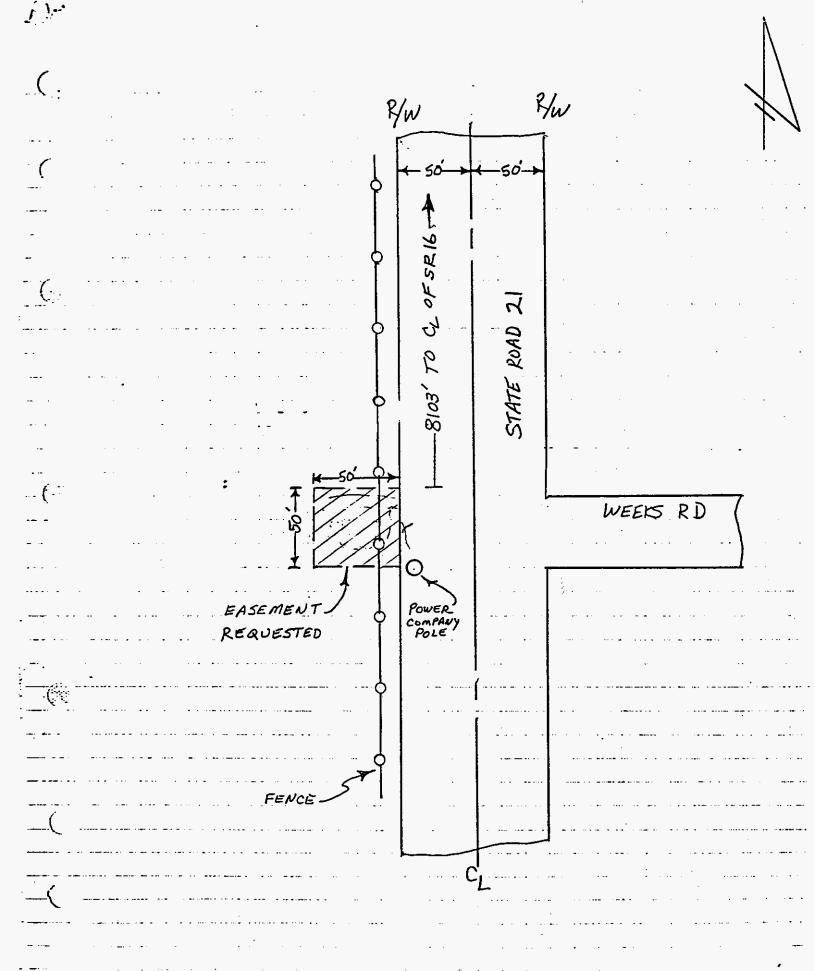
COUNTY OF ST. JOHNS

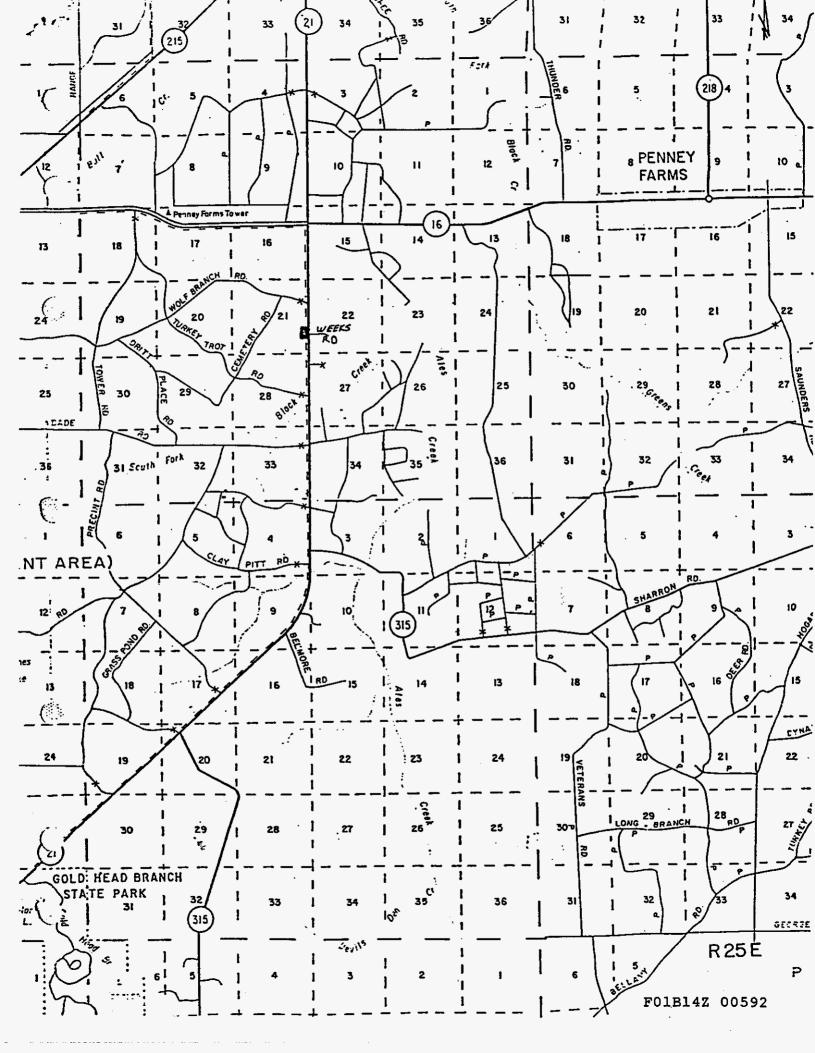
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I HEREBY CERTIFY, that or	n this day	personall	y appeared b	efore me,	
an officer duly authorized to	administe	r oaths an	d take ackno	wledgement	:8,
Robert F. Ensslin, Jr.	• `	to me well	known to be	the per-	
son described in and who execu	uted the f	oregoing i	nstrument, a	nd acknow-	•
ledged before me that he execu	uted the s	ame freely	and volunta	rily for	
the purpose therein expressed	•			•	
IN WITNESS WHEREOF, I have	ve hereunt	o set my h	and and offi	cial seal	
said State and County this	23rd	day of	July	, A.D.	
19 <u>85</u>			\$		
		1			١
	-	<u>_</u>	-lte	ч-	\$
			Notary Publ	•	
		lid	cary Public, State of	Ebneif i	

Ry Commission Expires Sout. 18, 1985 housed than they fain manages, Inc.

My Commission expires





District Staff Manager

J.C. Miller

P-43836

CORPS/DER PERMIT Southern'Bell' on

15JJ1 Southern Bell Tower 301 West Bay Street Jacksonville, Florida 32202 904 350-2668

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	X	PAHE:		П	PAT
		TOM			JIN
		VIDA			JANIC
		MARY		$\bar{\Box}$	BOBBI
		COPY	TO		FILE

March 29, 1985 Ho. 43

Engineering/Assignment/Capital/LEC

File: 1N6.6

Department of Environmental Regulation Dredge and Fill Supervisor 3426 Bills Road Jacksonville, Florida 32207

Dear Sir:

 $(\cdot \cdot$ 

(:

Re: SUBMARINE CROSSING-SOUTH PRONG BLACK CREEK AT S.R. 21

Enclosed is a joint CORPS/DER application for permit for a proposed waterway cable crossing at the above location. Also enclosed is a check in the amount of \$100.00 for the application fee.

Please direct any questions on this application to Mr. H. L. Overstreet or Stewart Fernee at the above address or telephone 904-350-2285.

Yours truly,

District Staff Manager-Engineering

HLO/scf

CC: St. Johns Riverwater Management District P.O. Box 1429

Palatka, Florida 32207

CC: F.L. Hostitter

Attachments

A BELLSOUTH Company

PRCEIVED

WEST JACKSON LEADER

JOINT APPL DEPARTMENT OF THE ARMY/FLORIDA DEPAR For Activities in the Vators	THENT OF ENVIRONMENTAL REGULATION
CORPS APPLICATION NUMBER (official-use only)	DER APPLICATION NUMBER (official use only)
1. APPLICANT'S NAME AND ADDRESS	
ISIOIUITIHIEIRINI IBIEILILI IT	E ILIEJE HIO IN E I IC IO I . I I
1310111   WIE IS IT   B  A  Y    S  T	REET
J JAICIKIS JOIN IV J. TIL IL E 1 1 1	1   F   L   3  2 2  0  1   0   3   9   0   STATE ZIP
TELEPHONE NUMBER (Day) ( 904) 350-2285	(Night) (904) 259-2767
2. Name, address, zip code and title of applica application coordination  Herb Overstreet 15JJ1 - Southern Jacksonville, Flo Telephone Number (904) 350-2285	Bell Tower
3. NAME OF WATERWAY AT LOCATION OF THE ACTIVITY Black Creek (South Prong)	DER Code-
4. LOCATION WHERE PROPOSED ACTIVITY EXISTS OR W	Til Occue
State Road 21	
Street, road or other descriptive location	28 6 S 24E Section Township Range
	29° 56† 33" 81° 53† 53"
Incorporated city or town	Latitude Longitude
Clay	Tex Assessors Description: (if known)
County	
	Map No. Subdiv. No. Lot No.
5. NAME AND ADDRESS INCLUDING ZIP CODE OF ADJOIN ADJOINS THE WATERWAY.  1. & 2. Florida Department of Transportation P. O. Box 1089 Lake City, Florida 32056	
Commercial [X] Other [ ]	ti-dwelling [ ] Public [ ] (Explain in remarks)  Page 1 of
DER Form 17-1.203(1) Effective November 30, 1982	Lade 1 of

.*		
7. CRIPTIO	ON OF PROJECT (use additional sheets, if necessary)	
A. Struct	ures: 1. New work [X] Maintenance of existing structure [ ]	
	2. Piers, docks and use: Commercial [ ] Private [ ] Publi	ie [ ]
COE	a. Single pier [ ] length wi	idth
Work Code	b. Number of piers [ ] length wi	idth
	c. Number of boat slips [ ] lengthwi	idth
	d. Number of finger piers [ ] lengthw	idth
	e. Other (please describe)	
	3. Seewalls, revetments, bulkheads: length	٠
	a. Type: Verticel [ ] Riprep [ ] Slope:Horizon	tal:Vertical
	b. Material to be used	
	4. Other type of structure Place subaqueous conduit for com	munications cable
B. Excava	stion or Dredging: New Work [ ] Haintenance work [ ] Total acreage	involved
l. Acc	cess Channel [ ] or Canal [ ] Length	. Depthft.
2. Bos	at Basin [ ] or Boat Slip [ ] Lengthft. Widthft	. Depthft.
( . 3. Oth	herft. Widthft	. Depthft.
4. Eub	bic yards: Total for project	
	cyd. waterward/ cyd. landward of ordinar	y/mean high water
	Type of material to be excavated/dredged	
C. Fill:		
l. Amo	ount of material	
	Cubic yards placed waterward of ordinary/mean high water	
<b>€</b>	Cubic yards placed landward of ordinary/mean high water	
A03	Total acreage to be filled Total acreage of wetlands in	
	<del> </del>	
	ntwinment far fill  Dikes [ ] b. Seawall, etc. [ ] c. Other (please explain)	
· · ••		
	pe of fill material to be used	
	ource of fill material to be used	
4. 30	THE OF THE PROPERTY OF USE USED	Page 2 05

( )ste =	ectivity is proposed to commence January	1. 1986; to be complet	ed <u>July 1, 1986</u>
	ous permits for this project have been nied (dets) <u>N/A</u>	DER #	Çorps #
B. Ist	sued (date) N/A		
	her (please explain)		<u> </u>
Differ	rentiate between existing work and propo	sed work on the drawing	
10. Remer	rks (See Instruction Pamphiet for addition and certain activities. Use addition	anel information requirements on all sheets if necessar	ed for all application y.)
P1	ace conduit by whatever means necessary	to maintain Water qualit	y
	DAVIT OF DWNERSHIP OR CONTROL of the pro	operty on which the prop	posed project is to be
I CER	TIFY THAT: (please check appropriate applications) I am the record owner, lesses, or race below.	ace) ord easement holder of	the property described
(x)	] I am not the record owner, leases, or described below, but I will have before property interest. (Please explain wis acquired.) Department of Transportation	re undertaking the prop hat the interest will b	osed work the tequisit:
	LEGAL DESCRIPTION OF PROPERTY SITUATES (Use additional s	D IN <u>Clay</u>	COUNTY, FLORIDA
	Conduit will be placed within the limi Right-of-way on State Road 21 at South of the centerline of State Road 16 and of State Road 21.	Prong of Black Creek 13	.112 feet south
		11 111	
• • • • • •		Ad Theathy Signature	- 00 \
Š	forda, this day of April	Lucial Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson Lackson	Josne County
Ну	commission expires: 09/24/88		Page 3
DEB E	17 1 203/11 Effective November 30, 1982		1 - 7 - 7

- 2. plication is made for a permit(s) to authorize the activities described herein.
  - A. I authorize the agent listed in Item #2 to negotiate modifications or revisions, when necessary, and accept or assent to any stipulations on my behalf. .
  - . I understand I may have to provide any additional information/data that may be necessary to provide reasonable assurance or evidence to show that the proposed project will comply with the applicable State Water Quality Standards or other environmental standards both before construction and after the project is completed.
    - C. In addition, I agree to provide entry to the project site for inspectors with proper identification or documents as required by law from the environmental agencies for the purpose of making preliminary analyses of the site. Further, I agree to provide entry to the project site for such inspectors to monitor permitted work if a permit is granted.
  - . Further, I hereby acknowledge the obligation and responsibility for obtaining <u>all</u> of the required state, federal or local permits before commencement of construction activities I also understand that before commencement of this proposed project I must be granted separate permits or authorizations from the U.S. Corps of Engineers, the U.S. Cosst Guard, the Department of Environmental Regulation, and the Department of Natural Resources, as necessary.

I CERTIFY that I am familiar with the information contained in this application, and that . to the best of my knowledge and belief such information is true, complete and accurate.

I further certify that I possess the authority to undertake the proposed activities.

H I Drewtrub

THIS APPLICATION MUST BE SIGNED by the person who desires to undertake the proposed NOTE: activity or by an authorized agent. If an agent is applying on behalf of the applicant, attach proof of authority for the agent to sign and bind the applicant.

18 U.S.C. Section 1001 provides that: Whoever in any manner within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals, or covers up by any trick, scheme, or device a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, firtitious or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both.

#### NOTICE TO PERMIT APPLICANTS

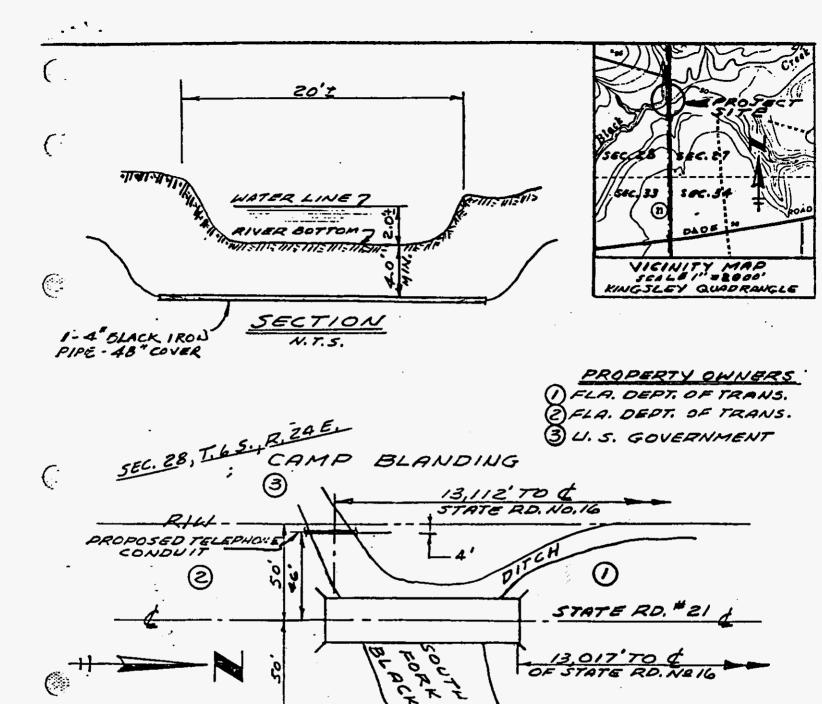
This is a Joint Application; it is NOT a Joint Permit!

You Must Obtain All Required Local, State, and Federal

Authorizations, or Parmits Before Commencing Work!!

For your information: Section 370.034, Florida Statutes, requires that all dredge and fill equipment owned, used, leased, rented or operated in the state shall be register-. ( nd with the Department of Natural Resources. Before selecting your contractor or equipment you may wish to determine if this requirement has been met. For further information, contact the Chief of the Bureau of Licenses and Motorboat Registration, Department of Natural Resources, 3900 Commonwealth Boulevard, Tallahasses, Florida 32303. Telephone Number 904/488-1195. THIS IS NOT A REQUIREMENT FOR A PERMIT FROM THE DEPARTMENT OF ENVIRONMENTAL REGULATION.

ER Form 17-1.203(1) Effective November 30, 1982



PLAN SCALE F = 50'

1. Hand Por 1

PROPOSED SUBMARINE TELEPHON CONDUIT UNDER SOUTH FORK OF BLACK CREEK, CLAY COUNTY, FLA. APPLICATION BY-

(SECTION 27-T.6 S., R. 24 E.)

SOUTHERN BELL TELEPHONE CO. JACKSONVILLE, FLORIDA.

PREPARED BY-HARBOR ENGINBERING COMPANY BNGINBERS AND SURVEYORS IGISHUFFING HAM LANE TACKSON VILLE, FLORIDA. 32216

SHEET I OF I

NOV. 29,1984

F01B14Z 00598

Ly Pros		<b>(4)</b>
X	ILB TLB	Söythem Bell
J.C. Miller District Staff Manager Engineering/Assignment/Capital/LEC	☐ PRF☐ JNG☐ RRM☐ JJZ	15JJ1 Southern Bell Tower 301 West Bay Street Jacksonville, Florida 32202 904 350-2668
June 28, 1985	ВСР	
File Code: 1N21.4D PNFMFLMA 4210	☐ JLN . ☐ B:Y .	
Mr. D. J. Charpentier Segment Manager - Real Estate 10KB1 Southern Bell Tower 301 West Bay Street Jacksonville, FL 32202	C'RCULATE  MAKE CUPIES  FILE  COPY FOR (RET TO) HO	

Dear Mr. Charpentier:

This is to request your assistance in securing, by lease, a Regeneration Site at Camp Blanding Military Reservation.

The attached correspondence details the contacts which have been made to date.

You may contact Jim Lilley on 350-2629 if further information is required.

Yours truly,

District State Manager

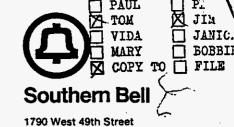
JWL:pr 4/S

CC: Mr. H. C. Isgette

Attachment

RECEIVED
JUL 2 1985

ENGINEERING JKVL. NW GROUP



Hialeah, Florida 33012

305 825-9801

: gle toward

W.C. Miller Operations Manager **Fundamental Network Planning** & Transmission

April 8, 1985 File: JAX & GNSV LATA'S NETWORK

Mr. F.L. Hostetter District Manager Jacksonville, FL.

Mr. H.E. Downing District Manager Gainesville, FL.

Dear Sir:

 $(\cdot \cdot$ 

(...

(***

The interlata fiber project from Green Cove Springs to Keystone Heights will require a regenerator. Your respective districts have given us the following distances for consideration:

GREEN COVE SPS. TO DISTRICT BOUNDARY DISTRICT BOUNDARY TO KEYSTONE HTS.

92.6 kf 69.4 kf

TOTAL 162.0 kf

The regen must be placed within 1KF of the midpoint (81KF) of the above actual distance. According to Jack Gray in the West Jax District Office, a point 8,220 feet south of SR 16 on SR 21 will fall within the required limits. He also expressed confidence that a site can be obtained in this area.

We request the West Jacksonville District secure a regen site as soon as possible and plan to place an concrete hut the site with environmental at Tinkel, Please inform W.L. commercial power. 305-825-9840, so the engineering of the span can be completed.

Yours truly

Operations Manager

WLT/ck

cc: W.H. Tyler

WLTJAGNLATA

APR 12 1985

A **BELL**SOUTH Company



# STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION

c/o Herb Overstreet
15JJ1 Southern Bell Tower
Jacksonville, FL 32201-0390

# CONSTRUCTION PERMIT

NO. 101022282

Bury a cable.

DATE OF ISSUANCE

June 24, 1985

DATE OF EXPIRATION

June 24, 1990

VErnest E. Frey
District Manager

PERMIT

DER FORM PERM 11-42

#### STATE OF FLORIDA

#### DEPARTMENT OF ENVIRONMENTAL REGULATION

#### N/ THEAST DISTRICT

3426 BILLS ROAD JACKSONVILLE, FLORIDA 32207 (904) 396-6959



- BOB GRAHAM GOVERNOR VICTORIA J. TSCHINKEL SECRETARY Ernest E. Frey DISTRICT MANAGER

June 24, 1985

Southern Bell Telephone Co. c/o Herb Overstreet 15JJ1 Southern Bell Tower Jacksonville, FL 32201-0390

Re: South Prong - Black Creek

Gentlemen:

Attached is Permit No. 101022282. Should you object to the issuance of this permit or the specific conditions of the permit, you have a right to petition for a hearing pursuant to the provisions of Section 120.57, Florida Statutes. The petition must be filed within fourteen (14) days from receipt of this letter. The petition must comply with the requirements of Section 17-103.155 and Rule 28-5.201, Florida Administrative Code, (copies attached) and be filed pursuant to Rule 17-103.155(1) in the Office of the General Counsel of the Department of Environmental Regulation at 2600 Blair Stone Road, Tallahassee, Florida 32301. Petitions which are not filed in accordance with the above provisions are subject to dismissal by the Department.

In the event a formal hearing is conducted pursuant to Section 120.57(1), all parties shall have an opportunity to respond, to present evidence and argument on all issues involved, to conduct cross-examination of witnesses and submit rebuttal evidence, to submit proposed findings of facts and orders, to file exceptions to any order of hearing officer's recommended order and to be represented by counsel.

If an informal hearing is requested, the agency, in accordance with its rules of procedure, will provide affected persons or parties or their counsel an opportunity, at a convenient time and place, to present to the agency or hearing officer, written or oral evidence in opposition to the agency's action or refusal to act, or a written statement challenging the grounds upon which the agency has chosen to justify its action or inaction, pursuant to Section 120.57(2), Florida Statutes.

Sincerely,

District Ma

JUN 2 5 1985

STAFF MANAGER ENGINEERING

II EEF:jo Attachments

F01B14Z 00603

#### STATE OF FLORIDA

#### DEPARTMENT OF ENVIRONMENTAL REGULATION

NORTHEAST DISTRICT

34 JULIS ROAD JONVILLE, FLORIDA 32207



BOB GRAHAM
GOVERNOR
VICTORIA J. TSCHINKEL
SECRETARY
Ernest E. Frey
DISTRICT MANAGER

PERMITTEE: Southern Bell Telephone Co.

c/o Herb Overstreet

15JJ1 Southern Bell Tower Jacksonville, FL 32201-0390

I.D. Number: South Prong-Black Creek
Permit/Certification Number: 101022282
Date of Issue: 6/24/85
Expiration Date: 6/24/90

County: Clay

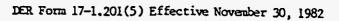
Latitude/Longitude: 29°56'33"/81°53'53"
Section/Tourship/Range: 29°56'33"/81°53'53"

Project:

28/6S/24E
Bury a cable.

This permit is issued under the provisions of Chapter(s) 403 , Florida Statutes, and Florida Administrative Code Rule(s) 17-4 . The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

Bury a communications cable (4' by 20' excavation) by any accepted means except jetting in Section 28, Township 6 South, Range 24 East in the South Prong of Black Creek, State Road 21 in Clay County.



Page 1 of <u>4</u>..

F01B14Z 00604

MITTEE:

Southern Bell Telephone Co. c/o Herb Overstreet 15JJ1 Southern Bell Tower Jacksonville, FL 32201-0390 I.D. Number: Permit/Certification Number: Date of Issue: Expiration Date:

101022282 6/24/85 6/24/90

#### ERAL CONDITIONS:

The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.

This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.

As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.

This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.

This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefor caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, unless specifically authorized by an order from the department.

The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by department rules. This provision includes the operation of backup or suxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.

The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:

a. a description of and cause of non-compliance; and

! Form 17-1.201(5) Effective November 30, 1982 Page 2 of 4

RMITTEE: Southern Bell Telephone Co. c/o Herb Overstreet 15JJ1 Southern Bell Tower Jacksonville, FL 32201-0390 I.D. Number:
Permit/Certification Number: 101022282
Date of Issue: 6/24/85
Expiration Date: 6/24/90

b. the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

permittee shall be responsible for any and all damages which may result and may be subject to enforcement sion by the department for penalties or revocation of this permit.

- In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.
- 3. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for appliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or department rules.
- This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the department.
- This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.
- 3. This permit also constitutes:
  - ( ) Determination of Best Available Control Technology (BACT)
  - ( ) Determination of Prevention of Significant Deterioration (PSD)
  - (x) Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)
  - ) Compliance with New Source Performance Standards
- 4. The permittee shall comply with the following monitoring and record keeping requirements:
  - a. Upon request, the permittee shall furnish all records and plans required under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.
  - b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.

Records of monitoring information shall include:

- the date, exact place, and time of sampling or measurements;
- the person responsible for performing the sampling or measurements;
- the date(s) analyses were performed;
- the person responsible for performing the analyses;
- the analytical techniques or methods used; and
- the results of such analyses.

5. en requested by the department, the permittee shall within a reasonable time furnish any information required by _aw which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.

ER Trm 17-1.201(5) Effective November 30, 1982 Page 3 of 4

IRMITIE: Southern Bell Telephone Co. c/o Herb Overstreet

15JJ1 Southern Bell Tower Jacksonville, FL 32201-0390

I.D. Number:

Expiration Date:

Permit/Certification Number: Date of Issue: 101022282 6/24/85 6/24/90

#### *ECIFIC CONDITIONS:

- 1. Chapter 253.77, Florida Statutes, states that, "No person shall commence any excavation, construction, or other activity involving the use of sovereign or other lands of the state, title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund of the Department of Natural Resources under Chapter 253, until such person has received from the Board of Trustees of the Internal Improvement Trust Fund the required lease, license, easement, or other form of consent authorizing the proposed use."
- 2. Turbidity curtains to be utilized throughout the project to contain any turbidity generated that exceeds State water quality standards.
- 3. Jetting shall not be utilized.
- 4. Revegetate the disturbed area with indigenous vegetation in order to prevent erosion of unstabilized material.
- 5. The work shall be done during periods of low water.
- 6. Use riprap as necessary to prevent erosion.

This is to certify that this order was mailed to the applicant, interested parties or their attorney and persons who have requested, in writing, notice of the agency's action or proposed action before the close of business on the date indicated below.

Date: 6-24-85
Signed M. Dure

Fig. 16 AND ACKROWN Fig. 177
(ILE) on this date, pursuant to \$172 (19), Fig. da
with the designated Department Clerk,
of which is hereby acknowledged.

Clerk Date

Issued this 24th day of June , 1985

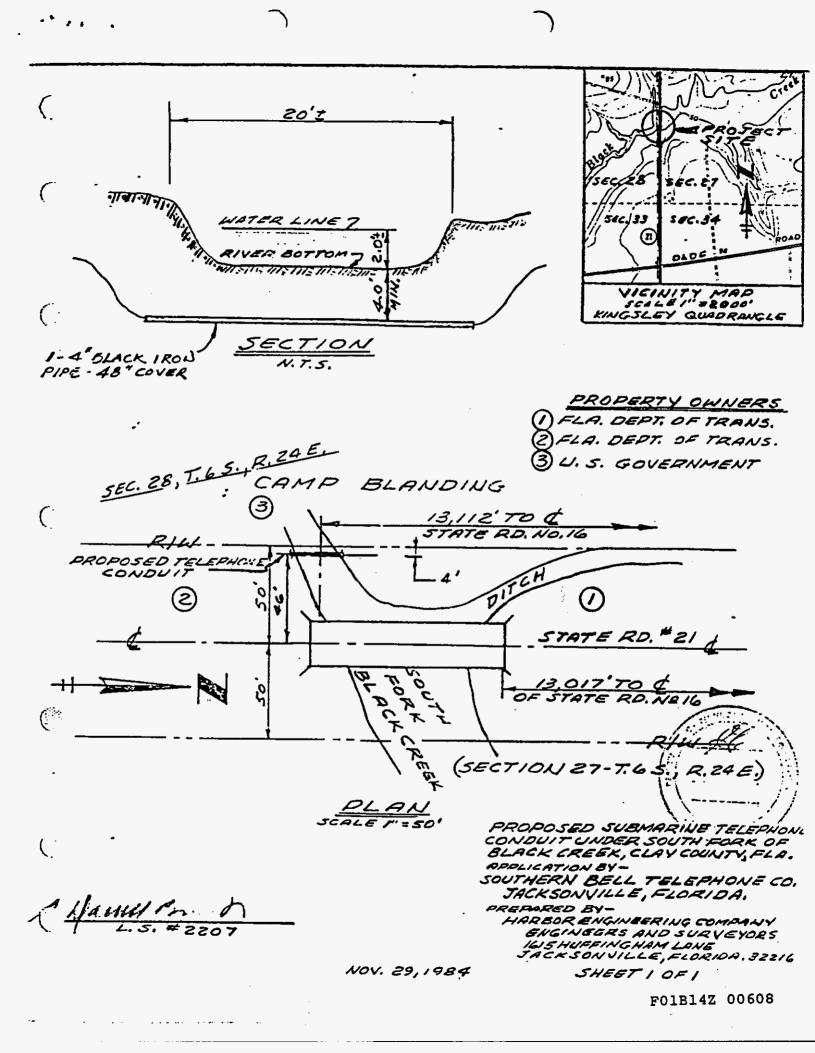
STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

Pages attached.

MErnest E. Frey
District Manager

DER Form 17-1.201(5) Effective November 30, 1982

Page 4_ of 4_



## RULES OF THE ADMINISTRATION COMMISSION MODEL RULES OF PROCEDURE CHAPTER 28-5 DECISIONS DETERMINING SUBSTANTIAL INTEREST

#### PART II FORMAL PROCEEDINGS

#### 28-5.201 Initiation of Formal Proceedings.

- (1) Initiation of formal proceedings shall be made by petition to the agency responsible for rendering final agency action. The term petition as used herein includes any application or other document which expresses a request for formal proceedings. Each petition should be printed, typewritten or otherwise duplicated in legible form on white paper of standard legal size. Unless printed, the impression shall be on one side of the paper only and lines shall be indented.
- (2) All petitions filed under these rules should contain:
  - (a) The name and address of each agency affected and each agency's file or identification number, if known;
  - (b) The name and address of the petitioner or petitioners, and an explanation of how his/her substantial interests will be affected by the agency determination;
  - (c) A statement of when and how petitioner received notice of the agency decision or intent to render a decision;
  - (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
  - (e) A concise statement of the ultimate facts alleged, as the rules and statutes which entitle the petitioner to relief;
  - (f) A demand for relief to which the petitioner deems himself entitled; and
  - (g) Other information which the petition contends is material.

****

A petition may be denied if the petitioner does not state adequately a material factual allegation, such as substantial interest in the agency determination, or if the petition is untimely. (Section 28-5.201(3)(a), FAC)

17-103.155 Petition for Admin-Istrative Hearing; Waiver of Right to Administrative Proceeding.

(1)(a) Any person whose substantial interests may be affected by proposed or final agency action may file a petition for administra-A petition shall tive proceeding. be in the form required by this Chapter and Chapter 28-5, FAC, and shall be filed (received) in the Office of General Counsel of the Department within fourteen (14) days of receipt of notice of proposed agency action or within fourteen (14) days of receipt of motice of agency action whenever there is no public notice of proposed agency action. In addition to the requirements of Rule 28-5.201, FAC, the Petition must specify the county in which the project is or will be located.

(b) Failure to file a petition within fourteen (14) days of receipt of notice of agency action or fourteen (14) days of receipt of notice of proposed agency action, whichever notice first occurs, shall constitute a waiver of any right to request an administrative proceeding

under Chapter 120, F.S.

(c) When there has been no publication of notice of agency action or notice of proposed agency action as prescribed in Rule 17-103-150, FAC, a person who has actual knowledge of the agency action or has knowledge which would lead a reasonable person to conclude that the Department has taken final agency action, has a duty to make further inquiry within fourteen (14) days of obtaining such knowledge by contacting the Department to ascertain whether action has occurred. Department shall upon receipt of such an inquiry, if agency action has occurred, promptly provide the person with notice as prescribed by Rule 17-103.150, FAC. Failure of the person to make inquiry with the Department within fourteen (34) days after obtaining such knowledge may estop the person from obtaining an administrative proceeding on the agency and on-

(2)(a) "Recoint of notice of agency action" means receipt of written notice of final agency action, as prescribed by Department rule, or the publication, pursuant to Department rule, of settice of final agency action, whichever first

occurs.

(b) "Receipt of notice of proposed agency action" means receipt of written notice (such as a letter of intent) that the Department proposes to take certain action, or the publication pursuant to Department rule of notice of proposed agency action, whichever first occurs-(3) Notwithstanding any other

(3) Notwithstanding any other provision in this Chapter, should a substantially affected person who fails to timely request a hearing under Section 120.57, F.S., administratively appeal the final Department action or order, the record on appeal should be limited to:

(a) the application, and account panying documentation submitted by the applicant prior to the issuance of the agency's intent to issue or

deny the requested permit.

(b) the materials and information relied upon by the agency in determining the final agency action or order;

(c) any notices issued or pub-

lished; and

(d) the final agency action or order entered concerning the permit

application.

(4) In such cases where persons do not timely exercise their rights accorded by Section 120.57(1), Florada Statutes, the allegations of fact contained in or incorporated by the final agency action shall, be deemed uncontested and true, and appellants may not dispute the truth of such allegations upon subsequent appeal.

(5) Any applicant may challenge the Department's request for additional information by filing with the Office of General Counsel an appropriate petition for administrative proceeding pursuant to Section 120.60, F.S., following receipt by

the applicant of the Department's notification, pursuant to Section 403.0876, F.S., that additional information is required.

Specific Authority: 130.53, 403.0376, 403.815, F.S. Law Implemented: 120.53, F.S. Law Implemented: 120.53, F.S. History: New 9-20-79, Amended 4-28-81, Transferred from 17-1.62 and Amended 6-1-84.

• • . . .

. i.

REQUEST TO NEGOTIATE

AND

LEASE TO BE EXECUTED



August 10, 1985

( ...

Mr. W. H. Bellinger
General Manager - Network/
 North Florida
20th Floor Southern Bell Tower
Jacksonville, FL 32202

Dear Mr. Bellinger:

Enclosed is a copy of a lease for land to be used by Distribution for a building housing Signal Regenerator equipment serving the area around Camp Blanding Military Reservation near Gainesville, Florida.

The owner is:

State of Florida Department of Military Affairs Office the Adjutant General State Arsenal St. Augustine, Florida 32084

The cost of the 50' by 50' parcel is \$500.00 per year in advance and the lease is for a term of fifty (50) years. It has been approved as to form by our Area Attorney.

The enclosed Form 8500 and request letter contain more information about the site.

Following your concurrence of the enclosed lease please return this letter to Mr. D. J. Charpentier, Segment Manager - Real Estate, 10KB1 Southern

- 2 -

Bell Tower, 301 West Bay Street, Jacksonville, Florida 32201-0390.

Yours truly,

ORIGINAL SIGNED BY.

Operations Manager - Support Services

DWH:cs 8/C

Enclosures

CC: Mr. M. M. Cooper Mr. B. K. Barrett

Mr. H. C. Isgette

CONCURRED IN:

General Manager - Network/North Florida

Date



ENGINEERING JKVL. NW GROUP



J.C. Miller
District Staff Manager
Engineering/Assignment/Capital/LEC

15JJ1 Southern Bell Tower 301 West Bay Street Jacksonville, Florida 32202 904 350-2668

June 28, 1985

File Code: 1N21.4D

PNFMFLMA 4210

Mr. D. J. Charpentier
Segment Manager Real Estate
10KB1 Southern Bell Tower
301 West Bay Street
Jacksonville, FL 32202

Dear Mr. Charpentier:

This is to request your assistance in securing, by lease, a Regeneration Site at Camp Blanding Military Reservation.

The attached correspondence details the contacts which have been made to date.

You may contact Jim Lilley on 350-2629 if further information is required.

Yours truly.

istrict Staff Mana

JWL:pr 4/S

CC: Mr. H. C. Isgette

Attachment

2 1985 يارال

H. C. Isgette Engineering Manager -Distribution

410 Highway 19 South

Palatka, Florida June 25, 1985 PNFMFLMA 4210

Mr. J. C. Miller
District Staff Manager
Engineering/Assignment/Capital/LEC
15JJ1 Southern Bell Tower
301 West Bay Street
Jacksonville, Florida 32202

Dear Jack:

Project 43836 proposes placing lightguide cable from Orange Park to Keystone Heights. A concrete structure is required to house a signal regenerator along State Road 21 at Weeks Road in the Penney Farms Wire Center. The proposed lightguide cable will be west of the center line of State Road 21 which parallels the Camp Blanding Military Reservation from State Road 16 to the Keystone Heights Exchange.

The optimum site for our proposed structure falls on the Camp Blanding Military Reservation. The only alternative site would require looping the fiber cable across State Road 21. This alternative would be less secure, the buried fiber would be more difficult to protect from damage associated with road and ditch maintenance, and the cable placement would be more costly.

Lieutenant Colonel Marcus M. Cornelius III, Staff Judge Advocate of the Florida National Guard, has indicated that an inexpensive lease can be obtained at the Camp Blanding site. Your assistance is requested in finalizing this lease.

Attached is a site location sketch, a Form 8500, and the June 18 letter of Lieutenant Colonel Marcus M. Cornelius III. If additional information is required, please contact Tim Herb at 904-325-9009.

TRH/eb

(::

Attachments

DECETALED IN SEPTEMBER 1985

STAFF MANAGER

Yours truly

Distribution

# STATE OF FLORIDA DEPARTMENT OF MILITARY AFFAIRS OFFICE OF THE ADJUTANT GENERAL

STATE ARSENAL, ST. AUGUSTINE

June 18, 1985

Mr. Tim Herb District Engineer Southern Bell Company 410 Highway 19 South Palatka, Florida 32077

Dear Mr. Herb:

Colonel Harry J. Raymond, our State Quartermaster, has referred F.L. Hostetter's letter of May the 21st, 1985 to my office for evaluation and consideration.

The Florida National Guard has no objections to leasing Southern Bell a fifty by fifty tract of land on State Road 21 where it is intersected by Weeks Road. I understand that this section of ground is needed to house a signal regenerator along State Road 21.

It would require the following items to be in any lease of that property:

- 1. A declaration that allowing Southern Bell to lease the property meets or will fulfill a military need or purpose. (Simply state that the leasing of the tract of land will facilitate communications at Camp Blanding and meets a military need for communications.)
- We would need a hold harmless agreement for any damage incurred as a result of Southern Bell placing the facility upon our property.
- J The site to be fenced would have to be in line with our present fences so we can maintain our present fire lines.
  - 4. In the event that the signal regenerator interferes with military signal equipment, Southern Bell would agree to shield the

facility so as not to interfere with military communications equipment or in the alternative would agree to remove the structure.

- 5. The lease would be subject to the rules and regulations of the Department of Military Affairs.
- 6. The lease would be subject to preemption by the Department of the Army in the event of a national emergency.
- 7. That Southern Bell agrees to frequently √ inspect and maintain the fence line and to maintain the grounds in a clean and orderly manner.

If all of these items are agreeable, please have your counsel draft a lease for our consideration. The lease should be submitted to the commander of Camp Blanding, attention SJA. I would also appreciate your sending a copy of it to this office.

The Florida National Guard is pleased to cooperate with Southern Bell in this venture.

Very truly yours,

MARCUS M. CORNELIUS III

LTC, JA, FLARNG

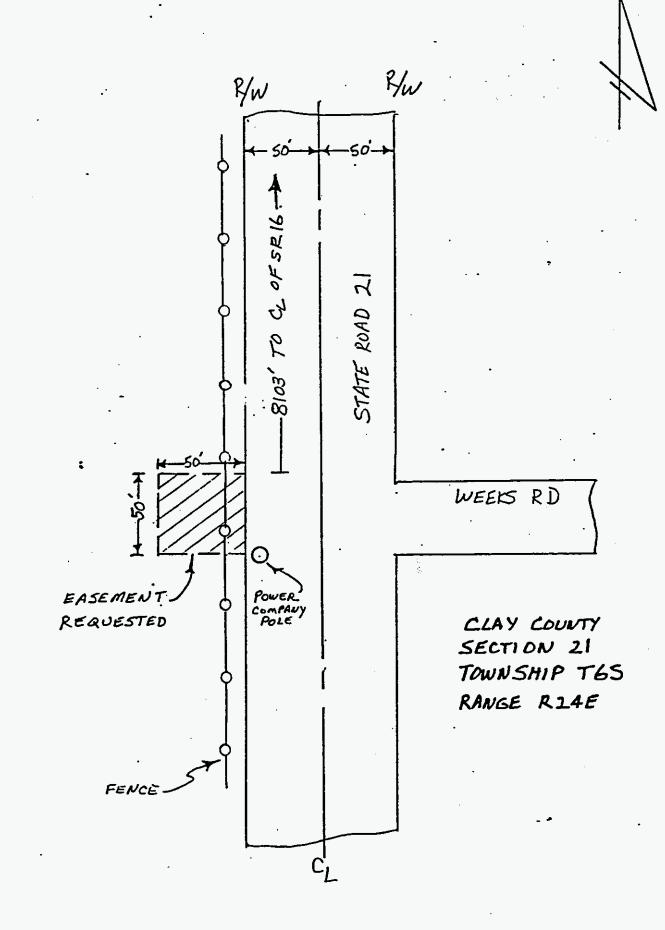
Staff Judge Advocate

	QUESTIONNAIRE - REAL ESTATE CONSIDERED FOR ACQUISITION
Exch	ange: PERMEY FARMSLocation of Parcel: S.R. 21 AT WEEKS RD, CLAY CO.
Prop	osed Use of Parcel: CONCRETE HUT Order of Preference: CHOICE 1
Allo	cation No.: 4210 Project Eng.: TRH Tel. No.: 325-9009  STATE OF FLORIDA
Owne	THE OF FLORIDA  THE OF MILITARY AFFANSADDress: STATE ARSENAL, ST. AUGUSTINE, FL. 32
DESC	RIPTION OF PARCEL
1.	Neighborhood (Business or Residential - Excellent, Good, Fair, Poor):
	RURAL
2.	Elevation info
3.	Zoning Regulations (Zoning District - Change Required?): Nove
4.	Bldg. Setbacks Req'd. by Zoning, Ordinance, PUD, etc.: NOVE
•	Front, rear, sides
5.	Electric Power available at the Site?: YES Where WEST SIDE OF S.R.
6.	Type of Acquisition:Easement;LeasePurchase*
7.	Do you know if any Deed Restrictions or Restrictive Covenants that
•	will not allow a Tel. Bldg?
COST	<u>'S</u>
8.	Price (Free) or Price \$
9.	Extraordinary Site Costs \$
10.	Other (Removal of Exist. Improvements, Etc.) \$
11.	If not located at optimum point Outside Plant Penalty \$
12.	TOTAL \$
OTHE	R PERTINENT DATA
Parc	cel Measurements: <u>2,500                                   </u>
I ha	we reviewed this site and find that it is a viable choice for a bldg. site.
Sign	ned: Timothy R Hesb 6-24-85 Engineer Date

*Refer to R/W Coordinator for further handling.

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J. C. Miller
Operations Manager - Distribution
Engineering/Assignment/Capital

Room 15JJ1, Southern Bell Tower 301 W. Bay Street Jacksonville, Florida 32202 (904) 350-2668

September 24, 1985

File: 1P7.3 West Jacksonville

H. C. Isgette

2.3

Engineering Manager Distribution
Jacksonville, FL

RE: Estimate V4536

Dear Sir:

(:::

Estimate V4536 received Executive Approval on July 21, 1985 and authorized the placement of interoffice fiber optic facilities between the Green Cove Springs Central Office and the Gainesville District boundary, triggered by TOPS. Included with this cable were six fibers between the Green Cove Springs and Penney Farms Central Offices for replacement of the Penney Farms switch with Digital Loop Carrier.

ORIG

TLB

PRF

TNG

PG:4

RRM

JJZ

<del>b≈/</del> BCP

JLN

D. Y

E CIRCULATE

☐ RET. TO ______ ☐ COPY FOR HCI

CHANN COTTES

□ JA

T TSC

☐ FILE

Subsequent to the approval of this undertaking, the Dial Planning/Design Organization has moved the Penney Farms retirement into 1987 and, as a result, the switching EAL will also be delayed.

As indicated in my letter of August 19, 1985, (File: 1N21.37A), it will be necessary to ship the Green Cove Springs to Gainesville TOPS cable by April, 1986 in order to meet the July 1, 1986 EAD. The purpose of this letter is to remove the contingency placed on Estimate V4536 and request that your material list include the six fibers required for the Penney Farms conversion. Should any questions arise, please contact your Subscriber Network Area Planner, Tommy Steele on (904) 350-3132.

Yours truly,

Operations Manager - Distribution Engineering/Assignment/Capital

TS:ns 5/Y1

RECEIVED
SEP 27 1985

ENGINEERING JKVL. NW GROUP

Regan Site Comp Blanding

Suite 10AB1 301 West Bay Street Jacksonville, FL 32201-0390

July 17, 1985

Lieutenant Colonel Karl J. Swindull Deputy Post Commander - Camp Blanding Rt. 1, Box 465 Starke, FL 32091-9703

Dear LTC Swindull:

Mr. Tim Herb of our engineering staff has discussed our need to place a signal regeneration equipment building on Camp Blanding property with Lieutenant Colonel Marcus M. Cornelius, III, Staff Judge Advocate of the Florida National Guard. LTC Cornelius' letter of June 18, 1985 has been forwarded to my attention in our real estate department for lease negotiation.

Based upon that letter I have drafted a proposed lease that incorporates the terms in LTC Cornelius' letter. It is being sent to you for your consideration and disposition. I trust that you will act favorably as the signal regeneration equipment will support telecommunications at Camp Blanding.

Please let me know if there is any further information that I can provide in connection with this arrangement.

Yours truly,

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Donald W. Hollingsworth

Staff Manager - Real Estate

DWH:ns 4/FF1

Enclosure

CC: LTC Marcus M. Cornelius, III JA, FLARNG

→Jim Lilley, SBT&T

**JNG** RRM JJZ W.C. Miller Operations Manager BCP Fundamental Network Planning & Transmission JLN BJY August 6, 1985 CIRCULATE MAKE COPIES Mr. Harold Isgette! District Manager FILE Jacksonville, Flortd COPY FOR (RET TO) HCL Dear Sir:



### Southern Bell

1790 West 49th Street Hialeah, Florida 33012 305 825-9801

Attached is the design for the Orange Park/Green Cove Spring lightguide system. A summary of the Fiber Cable specifications is as follows:

Crossection	Length <u>KF/KM</u>	<u>Splices</u>	Fiber Grade (dB/Km)
Orange Pk./ Green Cove Springs	68.9/21.0	18	0.5

The length and splice counts were supplied to us by Jack Gray of your organization. If this information is incorrect or changed for any reason, please notify us as soon as possible since a change in the fiber grade might also be required.

If you hve any questions, call W.L. Tinkel at 305-825-9840.

Yours truly,

Operations Manager

WLT/ck

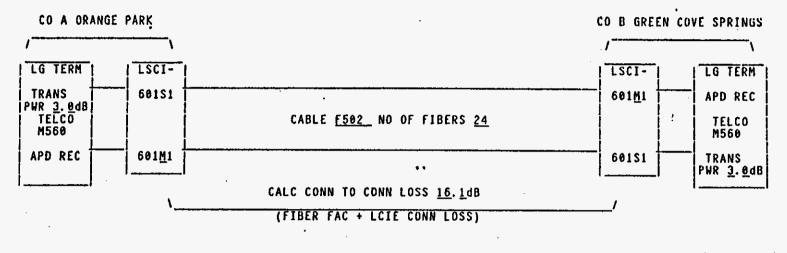
(: :

cc: H.J. Schaefer J.C. Miller

W.H. Tyler

RECEIVED AUG - 8 1985

> ENGINEERING JKVL. NW GROUP



**MEASUREMENTS** 

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AVG LOSS OF GOOD FIBERS ___. __+__. __d8

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SYSTEMS SPE	

FIBER SPEC

WAVELENGTH 1300nm ____560Mb/s BIT RATE WDM -

FIBER MANUF FIBER GRADE

LOSS PER KM 6.5dB/KM

SPAN SPEC

SPAN LENGTH _21.0KM 68.9 KF NO OF SPLICES FIBER LOSS CALC 14.1 dB

NOTES:

LIGHTWAVE FACILITY - NF EAST ORANGE PARK TO GREEN COVE SPRINGS

860RPK-GCSP

ENGR: WLT ISSUE: U1 DATE: 08-01-85 FLORIDA SWITCHED SERVICES TRANSMISSIONS

Regan Situ Comp Blanding

Suite 10AB1 301 West Bay Street Jacksonville, FL 32201-0390

July 17, 1985

Lieutenant Colonel Karl J. Swindull Deputy Post Commander - Camp Blanding Rt. 1, Box 465 Starke, FL 32091-9703

Dear LTC Swindull:

Mr. Tim Herb of our engineering staff has discussed our need to place a signal regeneration equipment building on Camp Blanding property with Lieutenant Colonel Marcus M. Cornelius, III, Staff Judge Advocate of the Florida National Guard. LTC Cornelius' letter of June 18, 1985 has been forwarded to my attention in our real estate department for lease negotiation.

Based upon that letter I have drafted a proposed lease that incorporates the terms in LTC Cornelius' letter. It is being sent to you for your consideration and disposition. I trust that you will act favorably as the signal regeneration equipment will support telecommunications at Camp Blanding.

Please let me know if there is any further information that I can provide in connection with this arrangement.

Yours truly,

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(:..

Donald W. Hollingsworth

Staff Manager - Real Estate

DWH:ns 4/FF1

Enclosure

CC: LTC Marcus M. Cornelius, III JA, FLARNG

**≫**Jim Lilley, SBT&T

FROM PART 1 CABLE <u>F501</u> NO OF FIBERS <u>6</u>

CABLE <u>F501</u> NO OF FIBERS <u>6</u>

CALC CONN TO CONN LOSS <u>17</u>. <u>0</u>dB

(FIBER FAC + LCIE CONN LOSS)

**MEASUREMENTS** 

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AVG LOSS OF GOOD FIBERS __. __+__. __dB

SYSTEMS SPEC

FIBER SPEC

WAVELENGTH 1300 nm FIBER MANUF NT FIBER GRADE LOSS PER KM 0.45dB/KM

SPAN SPEC .

SPAN LENGTH 24.8KM 81.5KF NO OF SPLICES 19 FIBER LOSS CALC 15.6dB /4.4

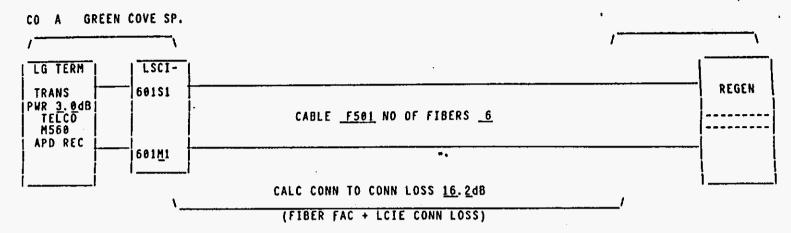
NOTES:

LIGHTWAVE FACILITY - NF. EAST

GREEN COVE SP. TO KEYSTONE HTS. 86GCSP-KYHG

ENG: WLT ISSUE 1 DATE: 7/11/85 FLORIDA SWITCHED SERVICES TRANSMISSIONS

F01B14Z 00625



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AVG LOSS OF GOOD FIBERS ___ +__ dB

SYSTEMS SPEC

FIBER SPEC

WAVELENGTH 1300 nm FIBER MANUF NT FIBER GRADE LOSS PER KM 0.45dB/KM

SPAN SPEC

SPAN LENGTH 24.5KM 80.5KF NO OF SPLICES 16 14.2dB

NOTES:

TLB

August 23, 1985

Mr. J. C. Miller District Staff Manager 15JJ1 Southern Bell Tower 301 West Bay Street Jacksonville, FL 32202

Dear Mr. Miller:

Enclosed is a copy of the fully executed lease for the 50 by 50 foot parcel of land at Camp Blanding to be used by Southern Bell as a Regeneration Site per your June 28, 1985 request.

Since zoning action is not required at Camp Blanding our Building Design and Construction group can proceed with the building's installation.

We will make the necessary arrangements with our Comptroller's department to make the annual rental payments.

Please let us know if we can assist you in this project.

Yours truly,

ORIGINAL SIGNED BY

Segment Manager - Real Estate

DWH:pr 4/X1

CC: Mr. H. C. Isgette

Mr. M. M. Cooper

Mr. B. K. Barrett

Enclosure

#### LEASE AGREEMENT

This lease agreement is entered into this 20th day of August,

1985 between State of Florida - Department of Military Affairs - Office

Office Action General, hereafter called the "Lessor", and SOUTHERN BELL

TELEPHONE AND TELEGRAPH COMPANY, a Georgia Corporation with offices at

Southern Bell Tower, 301 West Bay Street, Jacksonville, Florida, 32202,

hereinafter called the "Lessee".

#### WITNESSETH:

That the Lessor does this day lease unto Lessee a 50 by 50 foot plot being a portion of the Lessor's property located on Lessor's property presently called Camp Blanding Military Reservation, Clay County, Florida, described as:

50' by 50' tract of land on west side of State Road 21 at intersection of State Road 21 and Weeks Road (Section 21, Township 65, Range 24E) as shown on attached sketch which by reference is hereby made a part of this lease agreement.

The leased premises are to be used and occupied by the Lessee for the installation of a Signal Regeneration and/or Carrier Building which will facilitate telecommunications services to Lessor TO HAVE AND TO HOLD the same for a term of fifty (50) years beginning on the 1st day of January, 1986, and ending on the 31st day of December, 2035, at the annual rental rate of Five Hundred Dollars (\$500.00) payable in advance each year during the term of this lease.

- 6. Lessee agrees that this lease and Lessee's use of subject premises is and shall be subject to a) the Rules and Regulations of the United States Department of Military Affairs, and b) preemption by the United States Department of the Army in the event of a national emergency.
- 7. Lessee agrees to hold Lessor harmless from all claims, loss or damage by reason of its occupancy of the demised premises, including specifically any loss, claim or damages or expenses incurred in defending against any suit for injuries suffered by any person on the demised premises, or any suit for damages done to property on the demised premises.
- 8. Lessee agrees to inspect, on a routine basis, the fence line and maintain same. Lessee also agrees to maintain the grounds under lease in a manner that is similar to that maintained by Lessor on adjacent property.
- 9. If the Lessee is denied a building permit by Clay County to utilize the subject parcel for the proposed facility, then the Lessee shall have the right to cancel this lease by giving a 60 day written notice to Lessor of the Lessee's intent to terminate this lease.
- 10. Lessee shall have the right of ingress or egress to subject premises. Lessee shall have the right to install underground cable and conduit on leased property.

IN WITNESS WHEREOF, the parties hereto executed this instrument for the purposes herein expressed the day and year first above written.

Signed, Sealed, and Delivered

ARMORY BOARD

BY:

Vice Chairman

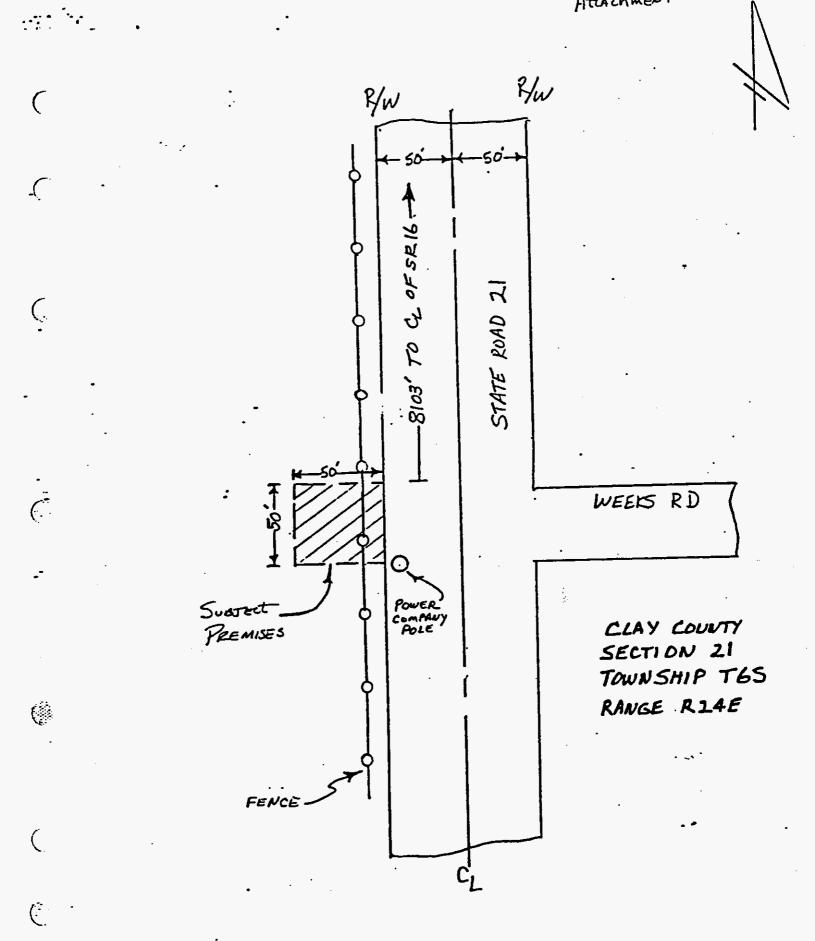
SOUTHERN BELL TELEPHONE AND TELEGRAPH COMPANY

BY:

Services/Florida SEGGENT MANAGEN- REALLESTATE

APPROVED AS TO FORM

N. H. WILSON AREA ATTORNEY



STATE OF FLORIDA

COUNTY OF TABE DWAL

I HEREBY CERTIFY, that on this day personally appeared before me, an officer

D.J. (Large Lieux

duly authorized to administer oaths and take acknowledgements,

Enc. Litak

to me well known and known to me to be the General Manager - Support Services

in Florida for Southern Bell Telephone and Telegraph Company, a corporation,

and he acknowledged to and before me that he executed the foregoing instru
Cent Citate

ment as such General Manager - Support Services in Florida in the name and on

behalf of said corporation and under due authority from said corporation.

in said State and County, this 20 to day of August A.D. 19 25.

Notary Public

NOTARY PUBLIC STATE OF FLORIDA MY COMMISS THE COME TO 1987

My Commission expires CNDTD 1.30 wash t his wash or the

STATE OF FLORIDA
COUNTY OF ST. JOHNS

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	I HE	REBY	CERTIFY	that o	n this d	ay persona	lly appeare	d before	me,
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the Commission Expires Sept. 18, 1985 tanded four last this consense, lac.

My Commission expires

F01B14Z 00634



J. C. Miller
Operations Manager - Distribution
Engineering/Assignment/Capital

Room 15JJ1, Southern Bell Tower 301 W. Bay Street Jacksonville, Florida 32202 (904) 350-2668

August 29, 1985

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File Code: 1N21.4B

Penney Farms Fiber Hub

Mr. H. C. Isgette
Engineering Manager West Jacksonville District
5211 Timuquana Road
Jacksonville, FL 32210

Dear Mr. Isgette:

In regards to your letter of July 3, 1985, requesting purchase of a parcel of land from Reinhold Corporation for the Penney Farms Fiber Hub, the Real Estate Department has contacted Mr. James P. Kuhn, Vice President of Reinhold. Mr. Kuhn does not wish to sell the parcel identified in your letter. As indicated in Mr. Kuhn's attached letter, an alternate site may be possible.

Please contact Mr. Kuhn to see if a suitable site can be agreed upon and notify this office. We will bring Real Estate back-on-board when an alternate is identified.

Details of this transaction are being coordinated by Jim Lilley on 904-350-2629.

Yours truly,

Openations

JWL:pr 8/D1

CC: Mr. D. J. Charpentier
Mr. Tim Herb

Attachment

# SHADOWLAWN FARMS

DIVISION OF REINHOLD CORPORATION

P. O. BOX 515

PENNEY FARMS, FLORIDA 32079

904/529-9321



August 14, 1985

Mr. D. W. Hollingsworth Southern Bell 301 West Bay St., Suite 10AB1 Jacksonville, FL 32202-4400

Dear Mr. Hollingsworth:

The Reinhold Corporation has reviewed and discussed the request in your letter dated July 24, 1985, and has given it every consideration.

We understand and appreciate the need for a block of land on which to house the new equipment to serve the Penney Farms area. However, our corporation is not interested in selling the lot located on SR 16 as per your letter. We are interested in meeting with you to discuss possible alternate sites that might better meet the requirements of both the Reinhold Corporation and Southern Bell.

Please, call me at 282-5441 at your earliest convenience to make an appointment for us to get together.

Sincerely yours,

James P. Kuhn Vice President

JPK/ejg

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## Southern Bell

16KK1 Southern Bell Tower 301 West Bay Street Jacksonville, Florida 32202 904 350-8551

T

John R. O'Hare, Jr.
District Staff Manager—
Construction/South Sector

TLB □ BJY PRF □ JA JNG ☐ TSC Rica ☐ CIRCULATE JJZ☐ RET. TO HCI COPY FOR BUI BCP ☐ MAKE COPIES JLN ☐ FILE

DISTRIBUTION LIST

December 17, 1985

Donna Peterson
Room 27EE1 SBT
Jacksonville, FL 32202

Escoe Green, Inc. P. O. Box 8623 Jacksonville, FL 32211

J. E. Blitchington 5209 Timuquana Road Jacksonville, FL 32210

G. T. Rollins
74 State Road
Room 224
Orange Park, FL 32073

H. C. Isgette Room 18HH1 SBT Jacksonville, FL 32202

File



ENGINEERING . JKVL. NW GROUP

#### ARTICLE 1. DESIGNATED WORK

Authority No. V-4536-A

Location S. W. Jacksonville

The Contractor will perform for the Telephone Company the items of Contract Work authorized and/or required on the above Authority at the above location and set forth on attached bid sheets designated as Exhibit "A" by and in strict and full accordance with the requirements of the plans, drawings, and specifications of the Telephone Company covering the items of work set forth in attached Exhibit "A".

#### ARTICLE 2. CONTRACT LIMITATION

NOT TO EXCEED \$ 30,918.73

- (a) The Telephone Company and the Contractor agree that the liability of the Telephone Company to pay compensation to the Contractor for the performance of work under this Contract shall NOT EXCEED the Contract Limitation shown above, which is a FIXED PRICE or is the estimated total contract cost computed by applying the unit prices to all of the work units listed on the attached Exhibit "A" with a reasonable allowance for contingencies.
- (b) This Contract Limitation may be exceeded to the extent authorized in writing by the Telephone Company's General Manager Distribution.

#### ARTICLE 3. CONTRACT PRICE

The Telephone Company and the Contractor agree that there are two methods of computing compensation to be paid the Contractor by the Telephone Company for work performed by the Contractor under this type of Contract and the method indicated by ( X ) in block below shall be used for computing compensation due the Contractor under this Contract.

FIXED PRICE of \$ to be paid the Contractor for the completion and acceptance of all items of work set forth in attached Exhibit "A". Deductions for any items not completed or payment for any added items to be explained in writing and approved by the Telephone Company's General Manager - Distribution.

UNIT PRICE--the total Contract cost to be paid the Contractor shall be computed by applying to each of the units of work set forth on the attached Exhibit "A", completed by the Contractor and accepted by the Telephone Company, the unit price for such units of work which are set forth in Exhibit "A".

#### ARTICLE 4. BEGINNING AND COMPLETION DATES

(a) The Contractor shall begin work within ten (10) days after written notification by the Owner that the materials to be supplied by the Telephone Company hereunder, or a sufficient amount thereof, are ready for delivery to the Contractor; or, if no materials are to be furnished by the Telephone Company hereunder, within Ten (10) days from the date of the execution of this Contract; and shall entirely complete the work by not later than January 15, 1985, unless extended by mutual agreement, or as provided for in Article 8.

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(b) The Contractor shall begin and carry on the work at such points, in such order of precedence and at such times as the Telephone Company's representative may from time to time direct.

#### ARTICLE 5. MATERIALS, LABOR AND APPLIANCES

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- (a) The Contractor will furnish all materials (except materials to be furnished by the Telephone Company as provided for in Section (b) of this Article 5), cartage, tools, implements and appliances, and do and perform all work required for the full performance of everything shown, described or reasonably implied by applicable general plans, drawings and specifications of the Telephone Company.
- (b) The Telephone Company will furnish to the Contractor at such time as will not delay the Contractor in his work, all cable, poles, anchors, conduit, pipe bends, castings, couplings, manhole frames and covers, U-guards, mortar bandages, cheese cloth, dowel pins, pulling-in irons, creosoted plank and any other miscellaneous hardware or minor supplies assocated with above materials, and the Contractor shall receipt for and be responsible for said materials from date of delivery.
- (c) The Contractor shall in the performance of this Contract, supply material and workmanship of a quality which is in strict and full accord with such parts of the Telehone Company's plans and specifications as are applicable to the work covered under this Contract, and shall furnish at Contractor's own expense all labor and material to make good any defects of materials or workmanship which may show up within one year from the date of the completion and acceptance of the work covered by this Contract.
- (d) The Contractor shall furnish, employ and have exclusive control of all persons to be engaged in or about the work set forth in the Contract; and shall prescribe and control the means and methods of doing such work. All persons employed by the Contractor in and about the performance of any such work shall be agents or employees of the Contractor, and neither the Contractor nor any of such agents or employees shall be deemed to be employees of the Telephone Company for any purpose whatever; the Contractor being, and at all times acting as, an independent Contractor hereunder, and being responsible as an independent Contractor to the Telephone Company.
- (e) Contractor acknowledges receipt of a copy of general plans, drawings and Bell System Practices of the Telephone Company covering each of the items of work set forth in Exhibit "A" and agrees to perform all work in a manner consistent with the safety precautions as set forth in Bell System Practices.

#### ARTICLE 6. RESTORATION OF STREETS AND HIGHWAYS

The Contractor shall properly refill with suitable material any and all excavations made, and shall restore all streets and highways, including sidewalks, which may be disturbed in making excavations to their former conditions unless otherwise ordered by the proper City, County or State

Highway authorities as the case may be, and to the entire satisfaction of governmental authorities having jurisdiction over such streets and highways. Should the Contractor fail so to properly restore any streets which he has disturbed and the City, County or State incur any expense in repairing or restoring the same, the Contractor shall reimburse the City, County or State, as the case may be, for such expense, and shall indemnify and save harmless the Telephone Company on account of any expense the Telephone Company may incur by reason of the failure of the Contractor to comply with the provisions of this Article 6.

#### ARTICLE 7. PERMITS AND LICENSES

The Contractor shall secure and pay for all governmental permits and licenses required by law with relation to any work covered by this Contract, and shall give all notices, pay all fees and comply with all laws, ordinances, rules and regulations relating to the work or to the full performance of this work except such permits as the Telephone Company may obtain for the opening of streets, sidewalks, roads and highways. The Telephone Company will, in such manner as not to delay the work of the Contractor, provide all necessary permits for occupying or excavating streets, highways, railroad right-of-way, public utility easements, or any other private property, but the Contractor shall provide all other permits and licenses as above provided, and shall indemnify and save harmless the Telephone Company from any liability on account of the Contractor's failure to secure or comply with such permits and licenses.

#### ARTICLE 8. DELAYS: EXTENSION OF COMPLETION DATE

- (a) If the Contractor be delayed in the completion of the work by strikes, lockouts, unavoidable casualties, or any other causes beyond the Contractor's control, then upon claim in writing by the Contractor therefor, the time of completion shall be extended for such reasonable time as the Telephone Company's General Manager Distribution may decide. No such extension shall be made for delay occurring more than seven (7) days before claim therefor is made in writing to the Telephone Company's General Manager Distribution.
- (b) No compensation shall be paid by the Telephone Company to the Contractor for any time lost during any such delay; except that should the failure of the Telephone Company (1) to furnish to the Contractor any materials as and when provided for in section (b) of Article 5 hereof, or (2) to procure permits as and when provided for in Article 7 hereof, necessarily result in any temporary cessation of the work by the Contractor and actual loss to the Contractor on account of such cessation, the Telephone Company will pay the Contractor for such lost time, the amount to be determined by the Telephone Company's General Manager Distribution.
- (c) The Contractor agrees that if the Contractor in the opinion of the Telephone Company neglects or refuses to supply sufficient tools, equipment and skilled workers or the proper quality and quanity of material suitable to perform the work covered by this Contract, or in any way fails to prosecute the work with promptness and diligence or in strict conformity with this Contract and such plans and specifications as may be incorporated herein, the Telephone Company, at its option and without prejudice to any

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other remedy that it may have, after one day's written notice may take over all labor materials and appliances on the site and complete or have completed the entire work covered by this Contract. The cost of such completion by or for the Telephone Company shall be at the expense of the Contractor, and the amount of such cost shall be deducted from the compensation due the Contractor under this Contract. If the cost of such completion by the Telephone Company be in excess of the compensation due the Contractor under this Contract, such excess shall be due to the Telephone Company and shall be and become immediately payable on completion by the Telephone Company of the work set forth in this Contract. Any excess of the compensation due the Contractor for the work covered by this Contract over such cost shall be paid to the Contractor by the Telephone Company.

#### ARTICLE 9. INSPECTION OF WORK

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- (a) Inspection of the whole or any part of the work, and of the materials Furnished by the Contractor, may be made by the Telephone Company's representative, at any time or times convenient to either of them, and the Contractor shall provide proper facilities, including all necessary tools and labor, for such inspection.
- (b) If the work so inspected is found to be inferior or defective, or not in strict and full accordance with this Contract, or with the applicable plans, drawings and specifications of the Telephone Company, the Contractor shall bear the expense of such inspection, and shall at his own expense at once reconstruct the work in full accordance with this Contract and applicable plans, drawings and specifications of the Telephone Company. But the failure or neglect of the Telephone Company's representative to inspect, condemn or reject inferior or defective materials or work shall not be construed as an acceptance of such materials or work by the Telephone Company, nor shall the Telephone Company be barred at any subsequent time from the recovery of damages or of such sums of money as may be necessary to replace inferior or defective materials and to reconstruct the work in accordance with the Contract and said plans, drawings and specifications whenever such inferior or defective materials or work may be discovered.

#### ARTICLE 10. NOTICES

At all times during the progress of the work a foreman shall be in charge who shall keep on the ground for reference a copy of the contract, plans, drawings and specifications. Any notice given to the foreman by the Telephone Company's General Manager - Distribition or his representative shall be binding on the Contractor.

#### ARTICLE 11. CHANGES IN THE WORK

The Telephone Company may make changes in the work designated or shown by applicable plans, drawings and specifications of the Telephone Company, by altering, adding to, or taking from the work, and Contractor's compensation for said work shall be adjusted accordingly; but no such changes shall be made except upon the order of the Telephone Company's representative. All work under such changes shall be executed under the conditions of this Contract, which Contract shall not, as to the changed work or the original

work, be construed to be invalidated or in any manner changed or altered by any such changes, whether material or otherwise.

#### ARTICLE 12. LOSSES: INDEMNITY OF TELEPHONE COMPANY

- (a) Contractor agrees to indemnify and hold harmless the Telephone Company, its directors, officers, employees and agents, from all claims and suits for any liability including but not limited to injury, death, or damage to any person or property whatsoever, caused by, arising from, incident to, connected with, or growing out of the performance or nonperformance of this Contract, including but not limited to injury or damage which is or is alleged to be caused in whole or in part by any act, omission, default, or negligence of the Contractor.
- (b) Contractor further specifically agrees to indemnify and hold harmless the Telephone Company, its directors, officers, employees and agents, from all claims and suits for any liability including but not limited to injury, death, or damage to any person or property whatsoever, caused by, arising from, incident to, connected with or growing out of the performance or nonperformance of this Contract which is, or is alleged to be caused in whole or in part (whether joint, concurrent, or contributing) by any act, omission, default, or negligence (whether active or passive) of the Telephone Company, its directors, officers, employees or agents. The foregoing indemnity shall also include liability imposed by any doctrine of "strict liability. The Telephone Company and Contractor further agree that the liability of the Contractor to save harmless and indemnify the Telephone Company, its directors, officers, employees and agents for damages caused by any act, omission, or default of the Telephone Company, its directors, officers, employees or agents shall not exceed the sum of \$500,000 for property damage arising out of any one occurrence and \$500,000 for bodily injury or death arising out of any one occurrence. This indemnity agreement shall apply not only to claims and suits against the Telephone Company, its directors, officers, employees or agents alone, but also to those claims and suits brought against the Contractor and the Telephone Company, its directors, officers, employees or agents jointly, or any other combination. In the event of a joint verdict and judgment, the above-stated limit shall apply to the portion of the verdict or judgment which is against the Telephone Company, its directors, officers, employees or agents. The Telephone Company and Contractor agree that in the event a judgment in excess of the above amount is entered against the Telephone Company, its directors, officers, employees or agents, such judgment shall not be determinative of the issue as to whether the act, omission, default, or negligence upon which the action was brought was that of the Telephone Company, its directors, officers, employees or agents, or the Contractor. .
  - (c) The Contractor further agrees to indemnify and hold harmless the Telephone Company from all claims, liens, and/or suits for labor and materials furnished the Contractor or utilized in performance of this Contract.
  - (d) Contractor agrees to defend on behalf of the Telephone Company, its directors, officers, employees and agents, all suits and claims brought jointly against the Contractor and Telephone Company, its directors, officers, employees and/or agents, or any other combination, or against the Telephone Company, its directors, officers, employees or agents alone for or arising

from, incident to, connected with or growing out of the performance or nonperformance of this Contract, including, but not limited to any liability
assumed by Contractor in subparagraphs (a), (b) or (c) above. Should the
Contractor, in the judgment of the Telephone Company, ignore or fail to
properly handle, defend, or settle any such claim, lien or suit, the Telephone Company may at its option assume and undertake, or join in the handling or defense of any such claim, lien or suit, and in that event, the
Contractor will reimburse the Telephone Company for attorneys' fees and
other expenses incurred by it in handling or defending any such claim,
lien, or suit including any amounts paid by the Telephone Company in settlement thereof or in satisfaction of any judgment rendered in any such suit.

#### ARTICLE 13. LIABILITY INSURANCE

Contractor shall take out, pay for, and at all times during the performance of work hereunder maintain, through insurance companies and agencies approved by and containing provisions satisfactory to the Company such public, contingent, and employer's liability insurance as will protect Contractor and Company from claims under worker's compensation and other employee benefit acts and from any and all other claims for damage for personal injury, including death, and from claims for property damage, which may arise in or result from the performance of the work covered by  $\cdot$ the Contract or by the failure or omission of Contractor to comply with any of the provisions of the Contract. Such insurance shall include comprehensive general liability and property damage, including automobile, products completed operations and broad form contractual, with coverage adequate in amounts to be determined by Contractor, to be reasonably necessary to afford protection from such claims, but with minimum limits as to personal injury of not less than \$500,000 per person and \$500,000 per occurrence under comprehensive automobile liability and of not less than \$500,000 per occurrence as to comprehensive general liability, and with minimum limit of not less than \$500,000 as to property damage, all of which coverages shall be written on an occurrence basis. In the event that Contractor does not obtain blanket broad form contractual liability covering Contractor's indemnity agreement under Faragraph 12 above, the Contractor shall provide a policy of insurance or specific endorsement insuring the contractual liability assumed by Contractor under this Contract. In no event shall the provisions of Paragraph 13 be construed in any way to limit Contractor's obligations under Paragraph 12 immediately preceding.

Certificates, indicating such insurance to be in force and effect and providing that it will not be canceled during the performance of the work under the Contract without thirty (30) calendar days prior written notice to Company, shall be filed with Company prior to commencement of work hereunder; provided, however, that Contractor shall at any time upon request file duplicate copies of the policies of such insurance with Company.

#### ARTICLE 14. METHOD OF PAYMENT: DETAILED STATEMENTS

(a) The Contractor agrees to furnish detailed statements covering the entire work promptly upon completion of the Contract, or covering portions of the work completed on the Contract where the billing would be delayed appreciably if withheld awaiting the final completion of the Contract. The detailed statements shall contain a complete list of all units of work

performed under Exhibit "A" with a description of the units of work included in the statement.

(b) The Telephone Company will pay to the Contractor not later than 15 days after the receipt of such detailed statements the total amount due to the Contractor.

#### ARTICLE 15. RECEIPTED BILLS

The Contractor shall, if requested by the Telephone Company's General Plant Manager, attach to the statements referred to in Article 14, receipted bills for all labor and materials furnished, and for any other expense contained in the said statements, and in the event there are outstanding against the Contractor any bills for labor or materials or for any other expenditures, the Telephone Company shall have the right to pay said outstanding bills and deduct the amount of same from the amounts shown in the statement.

#### ARTICLE 16. DEDUCTIONS FROM STATEMENTS

The Telephone Company's General Manager - Distribution may deduct from any statement rendered by the Contractor as provided for in Article 14, before issuing certificate of payment thereon, an amount or amounts sufficient to protect the Telephone Company from loss on account of:

(a) Defective work not remedied; (b) Claims filed, or reasonable evidence indicating the probable filing of claims; (c) Failure of the Contractor to make payments promptly for materials or labor. (d) Cost of restoration of Telephone Company's service as result of negligence on the part of the Contractor in the performance of work under this Contract.

#### ARTICLE 17. ASSIGNMENTS

This Contract shall not be assigned, nor shall the Contractor assign any moneys due or to become due hereunder, without the previous written consent of the Telephone Company.

#### ARTICLE 18. PROTECTIVE MEASURES AND NOTICES

The nature of the work herein contemplated may bring the employees of the Contractor and its subcontractors into close proximity to the existing overhead, surface and underground facilities of the Telephone Company, other utilities or other persons, with a resulting risk or danger of personal injury to such employees or damage to such facilities. Should the work prints, drawings, plans or specifications delivered to the Contractor indicate or fail to indicate the location of such facilities, whether those of the Telephone Company, other utilities or other persons, it is expressly understood and agreed that the Telephone Company shall not incur any liability for injury to persons or damage to property by reason of furnishing or failing to furnish such information, the Contractor hereby assuming full responsibility for determining the exact location of all such facilities and their proximity to the work to be performed under this Contract. The

Contractor will keep itself fully informed to the dates, times and places on and at which each and every phase of the work herein contemplated is being or is to be performed, and the Contractor hereby assumes full responsibility for taking such protective measures and giving any and all notices which may be required to avoid or lessen to a minimum extent risk or danger of personal injury to such employees or damage to such facilities.

At the request of the Contractor, the Telephone Company will confirm to the other utility or other person the fact that the Contractor is performing work for the Telephone Company and request the cooperation of such other utility or other person, but the Contractor shall be and remain solely responsible for taking protective measures or giving notices as herein specified, and the Telephone Company shall not incur any liability by reason of such assistance to the Contractor or because of any failure of such other utility or other person to comply with any request by the Contractor or the Telephone Company.

#### ARTICLE 19. CONTRACT READ AND UNDERSTOOD

The Contractor hereby admits that he has read each and every clause of this contract, and the annexed "Exhibits" and fully understands the meaning of the same, and hereby agrees that he will comply with the terms, covenants and agreements set forth herein.

IN WITNESS WHEREOF, the parties hereto have executed this agreement the day and year first above written, in duplicate originals.

Escoe Green, Inc.

CONTRACTOR

Title Keeide

WITNESS:

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SOUTHERN BELL TELEPHONE AND

TELEGRAPH COMPANY,

General Manager - Distribution

JHS: dx SPCL2-C

The contractor agrees to perform the following work operations for the following prices.

Place 23,827 conduit duct feet of two pieces 1 1/4 inch optic-guard innerduct and one "C" rural wire in one 4 inch C-PVC duct from the Orange Park Central Office to U. S. 17 and State Road 220. Contractor to rod and provide rope for pulling in innerduct and "C" rural wire in these sections.

<b>.</b>	_				.85
Price	rer	Conduit	duct	foot:	.05

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2. Place 6,982 conduit duct feet of two pieces 1 1/4 optic-guard innerduct and one "C" rural wire in 4 inch C-PVC duct from Governors Creek to the Green Cove Springs Central Office. Contractor to rod and provide rope for pulling in innerduct and "C" rural wire in these sections.

Price	per conduit duct foot	.95	
Total	of this page:	26,885.85	_

The telephone company reserves the right to delete the placement of some innerduct due to other work being performed in this areas.

#### THIS PAGE MUST BE SUBMITTED WITH YOUR BID

A copy of the contract on file at the office of the General Manager - Distribution, Jacksonville, Florida, is by reference made a part of this bid package. You are required to review the contract and familiarize yourself with the provisions contained therein prior to submitting your bid.

Your signature on the line below shall certify to Southern Bell that you have reviewed the contract on file and are agreeable to the terms and conditions contained therein should you be awarded the contract.

PRESIDENT
Title

Date: ____ NOV 25 1985

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BID SUBMITTED BY:

EXHIBIT "A"

Form 6428 Feb. 1967 Page L

BY (INIT.)

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CONTRACTORS BID SHEET UNDERGROUND CONDUIT

NOV 2 5, 1985

HOURLY COST ITEMS

DATE UNIT PRICES FOR LABOR TO INCLUDE OVERHEAD, TOOL EXPENSE, TAXES INSURANCE, PROFIT AND ALL OTHER ASSOCIATED LABOR COSTS

	Unit Price	Per Hour
TYPE LABOR	Regular Time	Over- Time
Foreman, On The Job or Machine Operator	15.00	22.50
Semi Skilled Labor	xxx	xxx
Common Labor	10.00	15.00

UNIT PRICES FOR EQUIPMENT TO INCLUDE PROFIT AND ALL ASSOCIATED OPERATING	COSTS
TYPE EQUIPMENT	Unit Price Per Hou:
% or 1 Ton Truck	5.50
1%-Ton Truck	7.50
14 Ton Truck with Winch	9.50
Tractor with Semi-Trailer	28.00
Air Compressor, 1-2 Pneumatic Hammer	12.00
2-3 Inch Water Pump	5.00
4 Inch Water Pump	7.00.
Blower (Gasoline or Electric)	3.00
Pole Trailer or Cable Trailer	6.00
Trench Machine 20 H.P. or Less	24.50
Trench Machine 21 H.P. or More	28.00
Pipe Pusher or Boring Machine	35.00
Caterpillar Tractor (Bulldozer)	种*00
Wheel Tractor with Backhoe	25.00
Backhoe - Crawler Mounted	35.00
Dump Truck - 6yd Capacity or Under	9.00
Dump Truck - Over 6yd Capacity	14.00
Barricade and Light - Price per Day	1.00
Well Point System Complete - Price per Point Per Hour - Gasoline or Electric	1.50

Trucks assigned to a work crew for transportation of men, tools and equipment to he paid for on the basis of the number of hours that the crew works. All other trucks and equipment to be paid for by the hour when available for or actually in use.

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DATE UNIT PRICES FOR LABOR TO INCLUDE OVERHEAD. TOOL EXPENSE, TAXES INSURANCE, PROFIT AND ALL OTHER ASSOCIATED LABOR COSTS

	Unit Price	Per Hour
TYPE LABOR	Regular Time	Over- Time
Foreman. On The Job or Machine Operator		`
Semi-Skilled Labor		
Common Labor		

TYPE EQUIPMENT	Unit Price Per Hour
4 or 1 Ton Truck	
L'4-Ton Truck	
14 Ton Truck with Winch	
Tractor with Semi-Trailer.	
Air Compressor, 1-2 Pneumatic Hammer	
2-3 Inch Water Pump	
4 Inch Water Pump	
Blower (Gasoline or Electric)	
Pole Trailer or Cable Trailer	
Trench Machine 20 H.P. or Less	
Treuch Machine 21 H.P. or More	
Pipe Pusher or Boring Machine	
Caterpillar Tractor (Bulldozer)	
Chratory Tamp	4.00
Vibratory Tamp with Roller	13.00
Front End Loader	25.00
Generator 1500 WATT & Over	3.00
Vehicle Mounted Crane	35.00
Crawler Mounted Dragline	

Trucks assigned to a work crew for transportation of men, tools and equipment to be paid for on the basis of the number of hours that the crew works. All other trucks and equipment to be paid for by the hour when available for or actually in use.

# EXHIBIT "A" CONTRACTORS BID SHEET BURIED CABLE

### BIDDING AGREEMENTS

#### 1. GENERAL

1.01 To attempt to provide "Unit Prices" to cover all possible Contract Work would result in a voluminous Exhibit "A" that would prove impractical and burdensome to the field forces to check and administer, and to the Contractors to submit reasonable sound bids.

1.02 Exhibit "A" "Unit Prices" are confined to "Items" requiring appreciable time and cost to the Contractor. All work operations not covered but are associated with "Items" provided, must be considered as incidental, with the cost included in the "Unit Prices."

1.03 The "Unit Prices" on Bid Sheets work must be based on performance of the "Items" of work under normal conditions on a regular time 40-hour work week without any loadings for premium time.

1.04 When, in the judgment of the Telephone Company, conditions prevail that are considered abnormal to the extent that the "Unit Prices" would be nequitable to the Contractor or when service requirements or other circumstances impose the necessity of performing the work on an overtime basis, at the discretion of the Telephone Company, the Contractor will be compensated under these conditions solely on the basis of "Hourly Cost" prices for labor and equipment and compensation on "Unit Prices" plus compensation for premium time will not be made.

1.05 The Telephone Company will furnish to the Contractor all standard Telephone catalogue items of material. The "Unit Prices" listed shall exclude the cost of all materials furnished by the Contractor, except the cost for explosives and lumber used as forms, and the Contractor will be compensated for any materials furnished by him on the basis of actual cost (to include sales tax) plus ten (10) percent. Such material costs, including any standard Telephone catalogue items of material furnished by the Contractor at the request of the Telephone Company, shall be listed on separate Contractor's bills in detail as to kind, quantities and price and associated with the appropriate items of work.

1.06 The materials furnished by the Telephone Company shall be delivered in whole or parts at such me as will not delay the Contractor in his work at a location within reasonable proximity to the work.

1.07 The Contractor shall receipt for and be responsible for proper storage and safeguarding of any material furnished by the Telephone Company and the Contractor shall reimburse the Telephone Company for any losses from damaged, stolen or lost material due to negligence or improper storage or handling. The cost of unloading large shipments of telephone material and delivering to a location within reasonable promixity to the work shall be borne by the Telephone Company. The cost of any storage space for telephone material or watchman service to protect the material delivered to the Contractor and any miscellaneous expense such as, ferry or bridge tolls, police for traffic direction, etc., shall be borne by the Contractor.

#### 2. **DEFINITIONS**

2.01 "Firm Soil" is defined as any soil that is normally self-supporting; however, deep excavation and the possibility of caving due to vibration may make it advisable to brace or sheet the walls of the excavation.

2.02 "Fluid Soil" is defined as a soil which normally is in a fluid condition to the extent that it is not self-supporting and generally must be confined by tight sheeting. Quicksands, marshes, soft clay and boggy ground fall in this group.

2.03 "Unstable Soil" is defined as a soil that is partially self-supporting and can be confined by sloping of the shoulders of the trench or partial bracing and shoring without tight sheeting. Filled ground, sandy clays and loamy soils fall in this group.

2.04 The following definitions apply to the headings of the columns under "Trenched and Plowed" cable or wire and "Handholes and Manholes":

- (a) "Trench Ft." means the estimated number of trench feet to be required for each size and gauge of cable or wire.
- (b) "Total Placed Cable or Wire Ft." means the estimated number of feet of cable or wire to be paid for at the plowed price, to include all cable and wire reported as material used.
- (c) "N-M" means "Normal" and "Minimum" depth of trench or plowed depth.

- (d) "18-14" means 18 inches is the "Normal" depth of trench or plowed depth and 14 inches is the "Minimum" depth of trench or plowed depth.
- (e) Under "Handholes & Manholes" all columns are self explanatory except "W-L" which means Width-Length.

## 3. BIDDING INSTRUCTIONS

- 3.01 Unit prices shall be secured to cover each size and gauge of cable or wire.
- 3.02 Space is provided to secure "unit prices" for three types of soil, firm, unstable and fluid for manholes and "unit prices" shall be secured for all types of soil conditions unless it is definitely known what types of soil will be required.
- 3.03 Unit prices shall be secured to cover all items, "depth in inches", and "headroom in inches" listed in the bid sheets unless it is definitely known that such items will not be encountered and the items will be typed out of the bid sheets.
- 3.04 Bell System Practices provide dimensions for trenches and manholes based on depth of trench and types and figures of manholes and compensation for only the number of cubic feet of rock excavation actually required by such dimensions listed in the practices will be paid by the Telephone Company to the Contractor.
- 3.05 All buried cable and manholes shall be constructed in full accordance with the instructions contained in Bell System Practices unless otherwise indicated on detailed plans.
- 3.06 The determination of soil conditions shall be made by the Telephone Company's Supervisor inspecting the manhole work with assistance from the Engineer that prepared the Authorization when needed.
  - 3.07 The "unit prices" listed under each type soil shall include the cost of any pumping, bracing, sheeting, shoring, or any other measures required to construct manholes in such type soil.
  - 3.08 The "Unit Prices" per trench foot for depth of trench or plowed depth in inches listed under buried cable are maximum depth for such unit prices and the Contractor will be compensated in accordance with the "unit prices" for each depth as a maximum and compensation for the next standard depth will be made when a standard depth is exceeded. This agree-

- ment shall apply to the "unit price" per manhole for headrom in inches.
- 3.09 The "depth of trench" and "plowed depth" in inches is applicable to the actual "depth of the trench" and "depth of the plow" and therefore includes the diameter of the cable or wire.
- 3.10 All "depth of trenck" and "plowed depth" shall be "Normal" except short distances less than "Normal" but not less than minimum may be allowed.
- 3.11 The "Unit Prices" for "Trenched" or "Plowed" buried cable or wire shall apply to all soil conditions and locations of cable or wire except an added charge will be allowed for rock excavation for plowed cable.
- 3.12 The "Unit Prices" for "Trenched" cable or wire includes placing all cable and wire in the trench and in handholes or manholes, on poles or buildings and in conduit or pipe protection or other locations.
- 3.13 Under the "Unit Prices" for "Plowed depth" the Contractor shall be compensated at the "Unit Price" per foot for each foot of cable and wire reported as material used except:
  - The footage of cable or wire reported to an authorization as excess cable or wire used, to clear reels and junked and so explained on the report.
  - 2. When 2 one pair underground wires are plowed simultaneously as a separate operation, compensation will be paid for one half of the reported wire footage.
  - 3. Such compensation shall be all inclusive and no additional compensation shall be paid for any trenching or other work required to place all cable and wire unless covered by "items" listed under additional charges.
- 3.14 The "unit prices" for constructing manholes shall include placing all cable racks, pulling-in irons or other equipment required by Bell System Practices or listed on detail plans.
- 3.15 The Contractor shall be compensated on the basis of Hourly Cost "Items" for labor and equipment as follows:
  - 1. For the cost of removing stumps, logs or other obstructions not ordinarily encountered in manhole construction.

- For the cost of any test holes required by the drawings, plans or specifications or performed upon a request by the Telephone Company.
- For the cost of any excavation that is abandoned due to circumstances and conditions beyond the Contractor's control such as subsurface obstructions, changes in plan, etc.
- 3.16 The cost of removing or rearranging any subsurface structures or other utilities required to provide clearance for manholes shall be paid for by the Telephone Company.
- 3.17 The Telephone Company shall, at its own expense, protect telephone service by applying and maintaining gas pressure on all cables that may be subject to damage from buried cable or manhole construction.
- 3.18 Walkways, driveways and roadways may be composed of various bases and toppings. It is intended to use the appropriate combination of unit prices for the various bases and toppings to conform with the actual bases and toppings removed or restored.
- 3.19 Walkways, driveways, and roadways may be composed of bases and toppings of thicknesses varying from established standards. The unit price listed must be based on the following agreements:
  - 1. That non-standard thicknesses may be encountered in surface removal, and the Contractor will be compensated in accordance with with the "Unit Prices" listed, for each 2 inch increment or part thereof for removing surface other than concrete and for each standard thickness or part thereof for removing concrete surface and additional compensation for each one inch increment above eight inches.
  - 2. Surfaces will be restored using standard thicknesses. The "Unit Prices" for surface restoration shall exclude the cost for all material.
  - 3. That the Contractor will be compensated for surface removal regardless of the method of removal (hand or machine).
- 3.20 All surface removal and restoration is to be performed in compliance with City, County, State or Federal requirements and the Telephone Company shall compensate the Contractor in accordance with these requirements and dimensional requirements as specified in Bell System Practices.

- 3.21 Any surface, sod, or paving that has to be removed and restored because of damage by the Contractor in excess of that required by the above listed regulations or job specifications shall be removed and restored at the Contractor's expense.
- 3.22 In those instances where the Contractor is under contract to perform all surface restoration, any temporary resurfacing or repaving required during the progress of the job shall be included in the unit prices for surface removal and restoration and no additional compensation shall be allowed the Contractor for such temporary construction.
- 3.23 In those instances where the Contractor is under contract to perform only surface removal and surface restoration will be performed by others, and temporary repaving or resurfacing is required, it is appropriate that unit prices for such temporary repaving and resurfacing be established to cover local requirements.

3.24 Any temporary walkways, driveways, bridges, or other temporary construction required for vehicular or pedestrian traffic during the construction of buried cable shall be included in the unit prices for such work and no additional compensation will be allowed the contractor for such temporary construction. The Contractor submitting this bid, based on the estimated number of units listed on the bid sheets, estimates the total contract cost to be;

\$ 26, 885. 85 PM

Bid Submitted by:

Firm Fscoe Green	Inc.
By Toleft Su	Pus
, , ,	Title
Date 11/25/85	

State Area Florida/North Florida

North Division

Title LATA/Operator Services Trunk Fiber Cable-Orange Park To Penney Farms

West Jacksonville District

Exchange Orange Park, Green Cove Springs, Penney Farms ocation Orange Park, Green Cove Springs, Penney Farms

Date	May 30, 1985	Project No. MA XANEAMAXWEEX	43836	(Eqpt. Or Bidg.)
Gross E \$	xpenditures 1,032,000	Net Requirements s 1,032,000	Gross Additions To Plant \$ 1,032,000	Net Additions To Plant \$ 1,032,000
Plant Re S	etired	Amount To Be Billed Others \$	Construction Months Short Term	Associated Expense
Order D Date	Due August, 1985	Work To Be Started About	January, 1986	And Completed About July 1986

Nature And Necessity Of Work:

This estimate provides for placing 162,100 feet of buried and underground grade R single mode fiber cable, ranging in size from 6 fibers to 30 fibers, in the southern portion of the Orange Park Exchange, the northern and western portions of the Green Cove Springs Exchange, and the eastern and western portions of the Penney Farms Exchange. It is also proposed to place 46,600 feet of 25 pair buried and underground 19 gauge copper cable in the western portion of the Green Cove Springs Exchange and the eastern portion of the Penney Farms Exchange to provide SLC-96 miscellaneous pairs for the proposed Penney Farms SLC-96 conversion.

This work is necessary to provide the digital facility capability between Orange Park and Penney Farms as identified by the LATA/Operator Services trunk fiber undertaking. This work has been approved for Southern Bell as outlined in the November 7, 1983 letter of Mr. Fred A. Baker, Assistant Vice President-Network Planning and Engineering, and the Toll and Assistance Operator Services System Executive Approval Letter which was approved on September 17, 1984 by Mr. R. K. Snelling. In addition to the LATA/Operator Services trunk fiber requirements, it is proposed to have combined trunk and exchange fibers in four of the five feeder routes involved. Six exchange fibers classified as trunk, will extend from the Green Cove Springs Central Office into the Penney Farms Exchange with Fiber/SLC proposed in the fourth quarter of 1986. Justification for this undertaking is delineated in a separate executive approval letter which is in the approval process.

It is planned to place a 30 fiber lightguide cable along from the 370range Park Central Office south to a 24 fiber lightguide 39 cable from to a point north of 39fiber lightguide cable from a point the Green Cove Springs

F.C.C. Authorization Required— Yes____ No_ X P.C. No. Appvd./Appl. No.

	7-30-85	Date
egment Manager Engineering/Assignment	Assistant Vice President-	
Operations Manager-Distribution	Vice President- Network/Florida	
perations Manager-	Vice President-	
eneral Manager Network/North Florida	Vice President-	
ieneral Manager-	<i>b</i>	
General Manager-	Executive Vice President-Network	F01B14Z 0072

Central Office, an 18 fiber lightguide cable from the Green Cove Springs Central
12 Office along
a 12 fiber lightguide cable from

and a 6

4 fiber lightguide cable from

turning south to the Penney Farms/Keystone Heights Exchange boundaries. This project conforms with the Orange Park, Green Cove Springs, and Penney Farms Outside Plant Plans and is funded in the current Outside Plant Budget.



# Accounts Chargeable Estimate No. ___ ソ 4536

		14						
Outside Plant C	ontract Cost \$	130,637		Pro	ject No XXXXXXX	ENDOXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	43836	
Location/ Area No.	Account/ Code	Gross Judditions	Plant Retired	Salvage	Cost Of Removal	Expenses	Interest	TELCO Eng.
A	В	С	D	E	F	G	Н	•
31304 60		219 13,100	12881	_		-	<b></b>	1,722
 -31304 GC	5 45C~	21,900	-18691 -20400	-	-	-	_	2,755
 32025 PF	45C	20,400	- 2090	_	-	-	-	2,519
31325 6	77C	8,400	-	-	-	-	_	1,865
31373 e	77C	5,300		-	<u> </u>	-	<del>-</del>	1,165
31304 60	S 85C	119,200	_	-	-	-	<del>-</del>	9,912
31307 OP	85C	246,300	-	-		_	-	20,271
ارط (2130 المراج المراج 37070	211.1	2,500		-	-	_		-
31304 GC	^S 845C	320,500	-	_	_	-	<del>-</del> ·	37,928
31307 OF	845C	36,600		-	_	-	-	2,680
32025 PF	845C	237,800	\	_	-		-	34,202,
		<u> </u>				1		
		1	-		, ·	İ		
	į			]				
	Prior Year (s)	-		_		· .		
1	Current Year	80,000	_	_				
Total	Subsequent Year	+		_	-	-	-	115,019

Summary Of Effect On The Accounts				
Gross Expenditures-Total Column (C) Plus Column (F)	1,032,000			
Net Requirements-Total Column (C) Plus Column (F) Minus Column (E)	1,032,000			
Net Additions-Total Column (C) Minus Column (D)	1,032,000			

Estimate	Prepared By		
İ	T. R. Herb	Engineer	
R.C. Engr	•	•	
Ì	N21453000	<u> </u>	
R.C. Cons	st. Mgr. (Dist.) N21468000		

#### PROJECT 43836

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This estimate is part of an undertaking to provide digital facility capability between Orange Park and Penney Farms as identified by the LATA/Operator Services trunk fiber project:

Authorization	Description	Gross Additions
Project 43836 (This submittal)	LATA/Operator Services trunk Fiber Cable-Orange Park to Penney Farms	\$1,032,000
Project 43220 (To be submitted)	Conduit-Doctors Inlet Bridge and Governors Creek Bridge	\$ 131,700
TOTAL		\$1,163,700

F01B14Z 00729 -

**Executive Vice President-Network** 

General Manager-

General Manager-

	Soutinern Bel B	l	Approvals — Est	timate No.	5 N 4-5 8-8)
State/Area	Florida/North F	Florida Title	LATA/Operator Servi Orange Park To Peni		er Cable-
District	West Jacksonvil	lle	· · · · · · · · · · · · · · · · · · ·		
	<del>-</del>	een Cove Springs,			
Location	Grange Park, Gr	een Cove Springs,	renney rarms		,
Date	May 1985	Project No. CAN XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	43836	Area No. (Eqpt. Or Bldg.)	_
Gross Expe	enditures 1, 032,061	Net Requirements 1,032 s 1,202,600	Gross Additions To Plant \$ 1,202,600	Net Addit	tions To Plant 2,600, 1,032,00
Plant Retir		Amount To Be Billed Othe			ed Expense
Order Due Date	August, 1985	Work To Be Started About	January, 1986	And Completed About June	, 1986
Nature And	Necessity Of Work:		ng 162,100 feet of b		<u> </u>
port of to pair Gree AROV  Oran fibe the Netwo  trun fibe as t Farm tion which	ions of the Greene Penney Farms buried and under Cove Springs Farms This work is not ge Park and Penner undertaking. November 7, 1983 ork Planning and k fiber requirements in four of the runk, will extend the Exchange with for this undertaint is in the appropriate the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of	Exchange. It is erground 19 gauge exchange and the exchange and the exchange and the exchange and the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to propose the excessary to propose the excessary to propose the excessary to propose the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provide the excessary to provid	rk Exchange, the nor change, and the east also proposed to place copper cable in the sastern portion of the factor of the factor of the factor of the factor of the digital facilities by the LATA/Opn approved for Southed A. Baker; Assistant addition to the LATA sed to have combined tes involved. Six excove Springs Central d in the fourth quarted in a separate executive.	ern and wester ce 46,600 feet western portion e Penney Farms ty capability erator Service ern Bell as ount Vice Presid A/Operator Service trunk and exceptange fibers of 1986. Julive approvations	n portions of the 25 n of the Exchange to Exchange to between s trunk tlined in ent- vices hange to the last d he Penney ustifica- l letter rom the
cabl fibe Cent Offi fibe	ge Park Central e from r lightguide cab ral Office, an l ce r lightguide cab	ole from\ 8 fiber hightguid a l		able from ms Exchange, a	Springs s Central nd a 6
			O-1-		y Mr RK Smallin
Segment Man	ager Engineering/	Assignment	Assistant Vice President		
Operations Ma	mager-Distribution		Vice President- Netwo	ork/Florida	
Operations Ma	Inager-		Vice President-		
General Mana	Ter Naturali /Name	h Florida	tiles Great forth		
-viivai mana	er Network/Nort	n Florida	Vice President-		

This project conforms with the Orange Park, Green Cove Springs, and Penney Farms Outside Plant Plans and is funded in the current Outside Plant Budget.



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Accounts Chargeable Estimate No._____

	tside Plant Contract Cost \$ 130,637 Project No. DXXXIXEXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX							
Location/ Area No.	Account/ Code	Gross Additions	Plant Retired	Salvage	Cost Of Removal	Expenses	. Interest	TELCO Eng.
Α	8	С	D	E	F	G	н	1
31304	5C	CK 13,100	-	-	~	-	_	1,7
31304	45C	iK 21,900	-	-	~	-	-	2,7
32025	45C	دلا_20,400	-	-	-	· <del>-</del>	-	2,5
31325	77C	ck 8,400	-	-	~-	-	-	1,8
31373	77C	0K 5,300	-	<b>-</b> `	-			1,1
31304	85C	119200		-	~	-	-	9,9
31307	. 85C	246,300 291,700	-	-	~	-	_	20,2
37070	211.1	320,500	• -	-	~	-	<b>-</b> .	-
31304	845C	320,500	-	-	~	-		37,9
31307	845C *	36,600	-	-	~	-	-	2,68
32025	845C	237,800 266,900	<b>-</b>	-	~	-	-	34,20
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	rien Year (s)		_		-			
	current Year	900 000	-	- 1	-			

Summary Of Effect On The Accounts					
Gross Expenditures-Total Column (C) Plus Column (F)	1,032,000				
Net Requirements-Total Column (C) Plus Column (F) Minus Column (E)	1,032,000				
Net Additions-Total Column (C) Minus Column (D)	1,032,000				

Estimate Prepared By									
	T.	R.	Herb	Engineer					
R.C. Engr.									
•	N21453000								
R.C. Const.	Mgr. N21	(Dis 146	st.) 8000						

This estimate is part of an undertaking to provide digital facility capability between Orange Park and Penney Farms as identified by the LATA/Operator Services trunk fiber project.

Authorization	Description	Gross Additions
Project 43836 (This submittal)	LATA/Operator Services trunk Fiber Cable-Orange Park to Penney Farms	1,032,000
Project 43220 (TO BE SUBMITTED)	Conduit-Doctors Inlet Bridge and Governors Creek Bridge	\$ 1 <del>77,000</del> 131,700
TELCO Order 09042	LATA/Operator Services Trunk	\$ 11,750
	Penney Farms	
TELCO Order 09042A	LATA/Operator Services Trunk	\$ 70,200
	Fiber Cable Orange Park to Penney Farms	
TOTAL.		+7394,300
	!	1,163,700

IDAVE PROESTO DEDED'

J. C. Miller
District Staff Manager
Engineering/Assignment/Capitat/LEC

DEK PMM TTG:



## Southern Bell

15JJ1 Southern Bell Tower 301 W. Bay Street Jacksonville, Florida 32202 Phone (904) 350-2668

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MIDA	•		JANICE
MARY			BORBIE
COPY	OT		FILE

April 10, 1985 04H545T3 File: 1N8.12C

District Managers -Engineering/Assignment South Sector

Dear Sirs:

Attached is the April, 1985 issue of the Trunk Facilities Project Status Report. Please review this report to determine any changes since the last issue and incorporate these into your EMPAC and budget process.

Any questions you have concerning this letter should be directed to your Subscriber Network Area Planner.

Yours truly,

District Staff Manager

PPH/dh

**Attachments** 

cc: Operations Managers - Distribution/South Sector District Staff Managers - Distribution/Sout Sector

লিয়া এক মানুন্দালৈ মানানৰ চাঞ্চলৰ <mark>ক্ষাৰ মুক্তুলাল্য লা মেল</mark> মান্ত্ৰী লাভিত মান্ত্ৰী লাভিত হৈ ।

Mr. R. H. Rohlwing Mr. D. C. Masaters Mr. T. G. Steele MS. P. P. Huber

DECLIVE APR 16 1985

## FIBER OPTICS ROUTES NORTH FLORIDA AREA

Page. 8 Date: April 1985

JACKSONVILLE LATA	(1)	(2)	(3) Engr.	(4)		(5)	(6)	(7) Bit Rate
PROJECT (MGR)/Route(s)	Category	<u>Status</u>	Accet. Date	Route <u>Miles (n)</u>	No. of	Fibers SLC	Trunk !	(Mb/s) <u>Initial/Final</u>
FERNANDINA BCH-YULEE (JHH).	S	Ţ	6/1/87	9.6	6	8/9	F522 P	140/560
JACKSONVILLE-CALLAHAN (JHH)								
Lk. Forest-Callahan Bndy.	L,R	P	6/1/85	12.1	6	0/0	£527	560/560
FT. GEORGE-OCEANWAY (JHH)	s	1	6/1/87	8.81	6	8/12	F523	45/45
NORMANDY-RIVERSIDE (JHH)	s	r	5/1/85	3.7	12	0/0	F506	560/560
JACKSONVILLE-LAKE CITY (JHH)			_	•				<b>&gt;</b>
Clay-Riverside	( ¹86 ca	ble plac	ement per B	SCN project.				)
Riverside-Normandy	( '85 ca	ble plac	ement per N	formandy Swite	ching p	roject.		)
Normandy~Baidwin	S	T	4/1/86	15.0	18	20/8	F518	280/280
Baldwin-Lake City	r	1	7/1/86	38.5(2)	6	0/0	F519	140/560
Lake City-Live Oak	1	Ţ	7/1/86	10.0	6	0/0	F534	140/560
JACKSONVILLE CLAY-SAN JOSE (JHH)		• <u>.</u>						
Clay-San Marco	t,R	Ρ	3/15/85	2.6	24	12/12	F510	560/560
San Marco-San Jose	L,R	Р	3/15/85	4.2	24	12/12	F511	560/560
BEACHWOOD-ATLANTIC (JHH)			٠					
Beachwood-San Pablo	S	1	5/1/86	5.1	12	8/8	F520	45/560•
San Pablo-Atlantic	S	1 .	1/1/8/4	3. H	6	<b>8/8</b> .	F521	45/45

FIBER OPTICS ROUTES NORTH FLORIDA AREA Page 9 . Date: April 1985

	·								_
	JACKSONVILLE LATA	(1).	(2)	(3) Engr.	(4)		(5)	(6)	(7) Bit Rate
	PROJECT (MGR)/Route(s)	Category	<u>Status</u>	Accpt. Date	Route Miles (n)	No. o TRK	f Fibers SLC	Trunk_/	(Mb/s) Initial/Fin
	PONTE VEDRA FIBER (JHH)							<b>-</b>	•
•	Ponte Vedra-Jacksonville 8ch.	L,X	ľ	7/1/85	6.7	, <b>b</b>	10/10	F514	140/560
	ST. AUGUSTINE-BEACHSIDE (JHH)	L,R,S	þ.	4/15/85	7.4	12	<b>8/8</b>	F513	560/560
	PALATKA-INTERLACHEN (JHH)	D, R+	1	7/1/86	12.9	6.	12/8	F536	45/45
	PALATKA CLUSTER STUDY (JHH)								
	Pomona Park-Satsuma	s	, .	5/1/84	5.5	ь	4/0	F516	3 45/45
٠	Welaka-Satsuma	S	1	5/1/84	5.0	6	0/0	F515	45/45
	Palatka-Satsuma	S	1	5/1/84	10.1	12	4/0	· F51\$	45/45
•	CRESCENT CITY BNDY-POMONA PK (JHH)	s, o	P	7/1/86	2.7	6	0/0	F 5 2 8	45/45
ē .	BSCN (GDG/JHH)	,					•		
	Clay-Lake Forest	0 , R	P	4/1/87=	6.8	12	0/0	F507	560/560
	Lakė Förest-Oceanway	0 , R	P	4/1/87*	5.9	12	24/12	F588	560/560
	Clay-Riverside	R, T(a) •	Р	5/1/86	4. B	24	0/8	F 5 0 5	560/560
	Riverside-Wesconnett	R, f(a)*	φ	5/1/86	5.6	24	12/0	F504 .	560/560
	Wesconnett-Orange Park	k,1(a)*	Ψ	571786	9.6	24	8/8/8	F503	560/560
02/	Orange Park-Green Cove Springs	R,1(a)=	P.	5/1/86	12.9	24	8/8	F502	140/560
שכסכ	Green Cove Springs-Penney farms	f(a)•	P	//1/86	8.9	6	8/8	F501	140/560

⁽a) See footnote on Page 18.

•			112111 4 4 5 5 11 5 5 1				,	
JACKSONVILLE LATA	(1)	(2)	(3) Engr.	(4)	(5)		(6)	(7) Bit Rate
PROJECT (MGR)/Route(s)	Category	<u>Status</u>	Accpt.	Route Miles (n)	No. of F	lbers SLC	Trunk 1	(Mb/s) Initial/Final
BSCN (Continued)		•					Pere	•
· Clay-San Marco	( 185	cable p	lacement per	Jacksonville	Cluy-San	Jose	Project	)
San Marco-San Jose	( '85	cable p	lacement per	Jacksonville	Clay-San	Jose	Project	)
San Jose-Mandarin Loretto	Ţ	P	5/1/86	7.3	24 .	0/0	F512	560/56H
Mandarin Loretto-St. Augustine	( In S	ervice.	Upgrade to	1 X 2 135 Mb	/s on 5/1	/86)		90/135
St. Augustine-Beachside	( '85	cable p	lacement per	St. Augustin	e-Beachs i	de Sw	itching	
	pr	oject a	dvisory lette	er).				
Prenney Farms Rptr	T(a)*	٤	2/1/86	24.0(1)	6 -	0/8	F558	148/569
Keystone Heights								
#Beachside-Palm Coast	1	r	6/1/86	18.8(1)	12	8/8	F517	140/560
/Oceanway-Yulee	0,5	P	5/1/87*	14,.2	12	24/12	F509	280/566
#Yulee-GEORGIA	, 0	ŀ	5/1/8/*	10.3	8	24/6	F558	140/560

⁽a) The Jacksonville-Gainesville fiber route also is required for service with the KYHO RSM installation.

Page 15 Date: April 1985

(1)	(2)	(3)	(4)	(5)	(6)	(7) Bit Rate
Category	Status	Engr. Accpt. Date	Route Miles (n)	No. of Fibers TRK SLC	Trunk ?	(Mb/s) Initial/Final

1 - Identify construction trigger in the following categories:

#### PROJECT (MGR)/Route(s)

## Managers (MGR) Responsible cor Planning:

.PJG - Pedro Garcia (305)825-9818 GDG - Dallas Guess (305)825-9817 JHH - Jack Harris (305)825-9820 GEM - Dave Moros (305)825-9019 JRS - Jim Stout (305)825-9021

1790 W. 49th Street Room No. 403 Hialeah, FL 33012

7 - Routes marked with this sign are IntertAIA links.

- - C delay or eliminate Conduit D - Digital Access to SBT CO.
  - E LAS
  - L Equal Access/LAIA Tandem
  - 0 BSCN Official Services
  - k cable/radio Relief
  - S new Switching machine
  - [ BSCN Uperator Services (10PS)
  - U Unspecified
  - V Contract Evacuation
  - N Wire center relocating
  - X Exchange Requirements (SLC)
- 2 Status.
  - P Planned
  - 1 [entative (under study)
  - 1 In Service
- 3 frunk facilities Engineering Acceptance Date.
- 4 Irunk Route Miles. (n) No. of Field Repeater Sites.
- 5 Cross section number of fibers; Trunk (1RK) and Exchange (SLC) tibers terminating at Office A/Office U.
- 6 Trunk Number Issued by IFCPC.
- / <u>initial</u> Bit rate required to meet initial demands. <u>Final</u> Maximum bit rate needed which the route design will support without additional repeaters.

NOTE: Asterists (*) signify changes from previous issue.

<u></u>				$\sim$	,			`		$\cap$	Ţ.	\ }	
		•		FIBER North	PROJECT C	OSTS REA		t	atei	April	1985		
	PROJECT	APP'D	SERVICE YEAR	\$(000) TOTAL COST	\$(000) TOTAL COE	(28 Y PWE SAV \$(000)		198 TOT	SS COE	COST ( 19		10T	987 COE
	PENSACOLA LATA									Plana			
	Belmont-Warrington	Yes	1985	310	53	•	-	130	130	•	-	-	•
	Belmont-Gulf Breeze-Holley/Nav	Yes	1984-5	1727	737	-	-	100	188	-	-	-	-
	PANAMA CITY LATA	•											
	Chipley-Graceville	Yes	1986	720	281	-	-	728	281	-	-	-	•
	Panama City-Chipley	Yes	1986	1865	555	•	-	1865	555	-	-	-	, ~
	Pan.City-Youngstown/Fountain	Yes	.1986	1209	156	-	•	198	-	855	156	-	-
	Panama City-Tyndall	Yes	1984	719	209	534	59	-	-	- >	•	-	• •
	JACKSONVILLE LATA								•				
	Fernandina BchYulee*	No	1987	727	494	, -	-	-	-	-	-	727	494
	Jkvl,-Callahan-Lightwave	Yes	1985	592	263	73	5	592	263	•	=	-	· -
	Ft. George-Oceanway	No	1987	567	163	-	-		-	-	-	567	163
	Normandy-Riverside	Yes•	1985	911	797	395	13	911	797	•	-	-	-
	Jacksonville-Lake City	No	1986	3680	1100	-		. •	-	3688	1108	-	-
	JkvlClay-San Jose	Yes	1985	1100	358	1784	23	-	-	-	•	-	-
	Beachwood-Atlantic	No	1986	300	43	•	· <b>-</b>	-	-	360	43	•	-
	Ponte Vedra Fiber	Yes	1985	1205.	868	881	34	1205	868	•	•	•	-
	St. Augustine-Bohside.	Yes	1985	. \$18	103	51	5	518	103	-	-	•	•
	Palatka-Interlachen	No	1986	298	44	673	54	-	-	673	54	-	
	Crescent City-Pomona Pk	Yes	1986	90	32	20	/		-	98	32	-	-
	•					,							

[•] Costs included in Wire Center EAL.

#### EUNDAMENTAL NETWORK PLANNING DISTRICT PROJECT STATUS REPORT. NORTH FLORIDA AREA

Page 3 Date: April 1985

EACILI	<u> 17</u>	PLAN	NING

PROJECT	STUDY TYPE	OSP COST REQST.	SCHED. ISSUE DATE	ENGR. ACCEPT. DATE	ТО <u>нс</u>	T0 <u>LEC</u>	T 0 A <u>.T.L.</u>	APPV'D.	REMARKS
s' ·	•		•	•					Perr
PENSACOLA LATA					_				
Milton-Nunson	£AL	1/85	5785	6788	•				Fiberoptics
Beimont- Warrington	EAL '	7/84	8/84	4/85	8/84	<u>-</u> '		(11/84 BSCN)	Fiberoptics.
Belmont-Gulf Breeze- Holley Navarre	EAL	•	-	4/85	•	•	•	11/82	Belmont-Gulf Breeze In Service 12/84
Holley/Navarre- ft. Walton Uch.	ŁAL	3/84	4/84	. 4/85	4/84	5/84	5/84	-7/84	EAS. Includes SLC & BSCN ;Flbers
PANAMA CITY LATA		•					·		
Chipley-Graceville.	EAL	4/83	8783	3/86	11/03	1/84	1/84	5/84	In Switching EAL
Panama City- Youngstown/fountain	EAL	1783	10/83	12/86•	12/83	12/83	1/84	4/84	Fiberoptics
Panama City-Tyndall	EAL	<b>-</b> ·	12/82	10/84	12/82	1/83	1/83	3/83	In Service
Panama City-Chipley	EAL	5/84	8/84	3/86	8/84	-		(11/84 BSCN)	Fiberoptics.
JACKSONVILLE LATA			***						
Fernandina Beach- Yulee	EAL		6/85	6787					Fiberoptics. In Switching EAL
Jkvi-Callahan	EAL	-	3783	6/85-	3/83	3/83	3/83	10/83	Advanced for LAIA Tandem
Ft. George- Oceanway	EAL		6/85	6/87					Fiberoptics. In Switching EAL
Normandy- kiverside	EAL	-	7/84	6/85	7/84	8/84	9/84	11/84	Fiberoptics. In Switching EAL
<b>Baldwin-Wesconnell</b>	EAL	•	1/85	5786	2785				Advisory to Switching EAL
Jkv1-Lake City	ŁAL	•	12784	5/116	1785	2785	2/85		liberoptics

FUNDAMENTAL NETWORK PLANNING DISTRICT PROJECT STATUS REPORT NORTH FLORIDA AREA

Page 4 Date: April 1985

### FACILITY PLANNING

<u>PROJECT</u>	STUDY TYPE	OSP COST REQST.	SCHED. ISSUE DATE	ENGR. ACCEPT. DATE	T 0 <u>H.C</u>	T0 <u>LEC</u>	TO ATL	APPV'D.	REMARKS
JACKSONVILLE LATA (CONT	'D)								
Jkvl-Clay-San Jose	EAL	_	7/84	3/85	7/84	7/84	8/84	10/84	liberoptics
Beachwood-Atlantic	LAL	•	7/84	8/86	//84	11/84	11/84		In Switching EAL
Ponte Vedra Fiber	EAL	-	3/83	7/85	3/83	\$/83	6/83	8/83	Advanced for LATA Tandem
St. Augustine- Beachside	EAL	-	5/84	4/85	5/84	-	6/84		Fiberoptics, Advanced Svc. Advisory to Switching EAL
Crescent City-Pomona Pk	EAL	-	5/84	1186	4/84	5/84	5/84	7/84	fiberoptics.
Palatka-Interlachen	EAL		3785	7/86	3/85•	3/85•	•		liberoptics
Palatka Cluster Study	EAL	-	•	• •	5/84	- '	-	•	In Service
GAINESVILLE LATA								•	·
Gvsl East/Northeast	EAL	-	10/82	9/85	10/82	2/83	2/83	8/83	fiberoptics
West Gainesville	EAL	-	12/82	4/86	12/82	, 1/83	1/83	5/83	Fiberoptics
Alachua-Galnesville	EAL	6/84	12/84	6/87	12/84	17.85	1/85		Fiberoptics via NW.
Gainesville-Micanopy- .McIntosh	EAL	•	12/82	9/85	12/82	12782	12/82	4/83	Fiberoptics
Southern Gainesville	EAL	1/85	5/85	6/87					Fiberoptics
DAYTONA LATA									
Bunnell-, Paim Coast	£AL	-	6/84	5/86	//84	8/84	8/84	11/84	Fiberoptics. In Switching EAL
Deland-Plerson	£ A L	•	2/85	6/86	1/85	1/85	2/85		liberoptics

F01B14Z 00740

DAVE MEEDEL

J. C. Miller
District Staff Manager
Engineering/Assignment/Capital/LEC

DEK PMM

## Southern Bell

15JJ1 Southern Bell Tower 301 W. Bay Street Jacksonville, Florida 32202 Phone (904) 350-2668

PAUL	PAT
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☐ VIDA	☐ JANIC
☐ MARY	☐ EOPBI
COPY	TO FILE

April 10, 1985 04H545T3 File: 1N8.12C

District Managers -Engineering/Assignment South Sector

Dear Sirs:

1()

Attached is the April, 1985 issue of the Trunk Facilities Project Status Report. Please review this report to determine any changes since the last issue and incorporate these into your EMPAC and budget process.

Any questions you have concerning this letter should be directed to your Subscriber Network Area Planner.

Yours truly,

District Staff Manager

PPH/dh

**Attachments** 

cc: Operations Managers - Distribution/South Sector
District Staff Managers - Distribution/Sout Sector

Mr. R. H. Rohlwing Mr. D. C. Masaters Mr. T. G. Steele MS. P. P. Huber

DECLIVE APR 16 1985

# FIBER OPTICS ROUTES NORTH FLORIDA AREA

				•			$\circ$	
	•	Į.	IBER OPTICS	<u>ROUTES</u> <u>A AREA</u>		Page, 8 Date:	April 1985	
JACKSONVILLE LATA	(1)	(2)	(3)	(4)	·	5)	(6)	(7) Bit Rate
PROJECT (MGR)/Route(s)	<u>Category</u>	<u>Status</u>	Engr. Accpt, Date	Route Miles (n)	No. of TRK	Fibers SLC	Trunk !	(Mb/s) Initial/Final
FERNANDINA BCH-YULEE (JHH)	s	1	6/1/87	9,6	6	8/0	F522	140/560
JACKSONVILLE-CALLAHAN (JHH)								
Lk. Forest-Callahan Bndy.	L,R	P	6/1/85	12.1	6	0 / U	F527	560/560
FT. GEORGE-OCEANWAY (JHH)	S	1	6/1/87	18.0	ь	0/12	F523	45/45
NORMANDY-RIVERSIDE (JHH)	S	Ţ	5/1/85	3.7	12	. 0/0	F586	560/550
JACKSONVILLE-LAKE CITY (JHH)			•	•				>
Clay-Riverside	( '85 ca	ble plac	ement per 8	SCN project.				)
Riverside-Normandy	( '85 ca	ble plac	ement per N	ormandy Swite	ching pr	oject.		)
Normandy-Baidwin	S	T	4/1/86	15.0	18	20/6	F518	280/280
Baldwin-Lake City	ſ	T	7/1/86	38.5(2)	6	8/6	F519	140/560
Lake City-Live Oak	1	, т	7/1/86	10.0	6	0/0	F534	140/560
JACKSONVILLE CLAY-SAN JOSE (JHH)							·	
Clay-San Marco	L, R	, P	3/15/85	2.6	24	12/12	F510	560/560
San Marco-San Jose	L, R	÷ P	3/15/85	4.2	24	12/12	F511	568/568
BEACHWOOD-ATLANTIC (JHH)			•					
Beachwood-San Pablo	· \$	T	5/1/86	5.1	. 12	<b>0/</b> 0	F520 v	45/560•
San Pablo-Atlantic	s	1	1/1/8/•	3. и	6	0/0	F521	45/45

FIBER	OPTICS	ROUTES
NORTH.	FINDIN	A AREA

Page 9 Date: April 1985

	·							•	
	JACKSONVILLE LATA	(1)	(2)	(3) Engr.	(4)	. (	(5)	(6)	(7) Bit Rate
	PROJECT (MGR)/Route(s)	Category	<u>Status</u>	Accet. Date	Route Miles (n)	No. 01 TRK	Fibers SLC	Trunk !	(Mb/s) Initial/Final
	PONTE VEDRA FIBER (JHH)							Plant	•
	Ponte Vedra-Jacksonville Bch.	L,X	۲	7/1/85	6.7	b	10/10	F514	140/560
	ST. AUGUSTINE-BEACHSIDE (JHH)	L, R, S	ŧ.	4/15/85	7.4	12	<b>U/</b> 0	F513	560/560
	PALATKA-INTERLACHEN (JHH)	D, R•	; 1 ·	7/1/86	12.9	б	12/8	F536	45/45
	PALATKA CLUSTER STUDY (JHH)				•			;	
	Pomona Park-Satsuma	s	1	5/1/84	5.5	ь	4/8	F516	3 45/45
	Welaka-Satsuma	S	1	5/1/84	5.0	6	0/0	F515	45/45
	Palatka-Satsuma	s	1	5/1/84	10.1	12	4/8	· F515	45/45
	CRESCENT CITY BNDY-POMONA PK (JHH)	s,v	Ρ̈́	7/1/86	2.1	6	8/8	F528	45/45
	BSCH (GDG/JHH)	•					•		
	Clay-Lake Forest	0, R	P	4/1/87=	5.0	12	0/8	F507.	560/560
	Laké Főrest-Oceanway	O,R	P	4/1/87•	5.9	12	24/12	.F588	560/560
	Clay-Riverside	R, T(a) =	Ρ	-5/1/86	4.8	24	0/8	F 5 8 5	560/560
	Riverside-Wesconnett	R, [{a}•	o, n	5/1/86	5,6	24	12/8	F504 .	560/560
	Wesconnett-Orange Park	k,1(a)*	۲	5/1/86	9.6	24	8/8/8	F503	560/560
	Orange Park-Green Cove Springs	к,1(а)-	· ·	5/1/86	17.9	24	8/8	F502	148/568
)	Green Cove Springs-Penney larms	f(a)+	P	7/1/86	8.9	6	8/8	F501	140/560

⁽a) See footnote on Page 18.

JACKSONVILLE LATA	(1)	(2)	(3) Engr.	. (4)	(5	)	(6)	(7) Bit Rate
PROJECT (MGR)/Route(s)	Category	<u>Status</u>	Accet. Date	Route Miles ( <u>"n</u> ),	No. of	Fibers SLC	Trunk &	(Mb/s) Initial/Final
BSCN (Continued)	•			:			P	•
Clay-San Marco	( 185 )	cable pi	acementper	Jacksonville	Clay-Sa	n Jose	Project	}
San Marco-San Jose	( '4(5 )	cable pl	acement per	Jacksonville	Clay-Sa	n Jose	Project	
San Jose-Mandarin Loretto	ī	F	5/1/06	7.3	24	8/8	F512	568/568
Mandarin Loretto-St. Augustinc	( In S	ervice.	Upgrade to	.,1 X 2 135 Mb	/s on 5/	1/86)	:	90/135
St. Augustine-Beachside	( '85	cable pl	acement per	St. Augustin	e-Beachs	lde Swi	tching	•
	pro	oject ad	visory lett	er).		•		
#Penney Farms Rptr	T(a)*	P .	7/1/86	24.8(1)	6 ;	8/8	F558	140/560
Keystone Heights		·					•	
#Beachside-Palm Coast	1	ų.	6/1/86	18.8(1)	12	0/0	F517	140/560
#Oceanway-Yulee	0,5	P ·	5/1/87•	14.2	12	24/12	F509	280/560
#Yulee-GEORGIA	. 0	P.	5/1/8/-	10.3	8	24/8	F558	140/560

⁽a) The Jacksonville-Gainesville fiber route also is required for service with the KYHG RSM installation.

(3)

(6)

PROJECT (MGR)/Route(s)

Engr. Accpt. <u>Category Status Date</u>

(2)

(1)

Route No. of Miles (n) TRK

No. of Fibers TRK SLC

(5)

(Mb/s)
Trunk # Initial/Final

Bit Rate

1 - Identify construction trigger in the following categories:

(4)

Managers (MGR) Responsible ( for Planning:

PJG - Pedro Garcia (305)825-9818 GDG - Dallas Guess (305)825-9817 JHH - Jack Harris (305)825-9820 UEM - Dave Moros (305)025-9019 JRS - Jim Stout (305)825-9021

1798 W. 49th Street Room No. 483 Hlaleah, FL 33012

 Routes marked with this sign are intertal links.

- C delay or eliminate Conduit
- D Digital Access to SBI CO.
- E LAŠ
- L Equal Access/LAIA Tandem
- 0 BSCN Official Services
- k cable/radio Relief
- N new Switching machine
- I BSCN Operator Services (10PS)
- U Unspecified
- V Contract Evacuation
- W Wire center relocating
- X ĽXchange Kequirements (SLC)
- 2 Status.
  - P Planned
  - 1 [entative (under study)
  - I In Service
- 3 Irunk facilities Engineering Acceptance Date.
- 4 Irunk Route Miles. (n) No. of Field Repeater Sites.
- 5 Cross section number of fibers; Trunk (IRK) and Exchange (SLC) libers terminating at Office A/Office U.
- 6 Trunk Number Issued by IFCPC.
- / Initial Bit rate required to meet initial demands. <u>Final</u> Maximum bit rate needed which the route design will support without additional repeaters.

NOTE: Asterisks (*) signify changes from previous issue.

F01B14Z 00745

Date: April 1985

PROJECT	APP'D	SERVICE YEAR	\$ (000) TOTAL _COST_	\$(000) TOTAL 	(20 Y PWE SAY \$(080)		198 TOT	S COE	COST (		TOT 19	87 COE
PENSACOLA LATA									****			
Belmont-Warrington	Yes	1985	310	53	. •	-	130	130	-	-	-	-
Belmont-Gulf Breeze-Holley/Nav	Yes	1984-5	1727	737	•	-	100	188	<b>-</b> .	-	-	-
PANAMA CITY LATA												
Chipley-Graceville	Yes	1986	728	281	•	-	728	281	•	•	•	-
Panama City-Chipley	Yes	1986	1865	555	<b>-</b> .	-	1865	555	<b>*.</b> .	-		
Pan. City-Youngstown/Fountain	Yes	1986	1209	156	-	-	198	• ,	855	156	-	-
Panama City-Tyndall	Yes	1984	719	209	534	59 ,	-	-	- '	-	-	-
JACKSONVILLE LATA			•			· .						
Fernandina BchYulee*	No	1987	727	494	<b>-</b> ;	-	•	-	•	-	727	494
JkvlCallahan-Lightwave	Yes	1985	592	263	73	5	592	263	-	-	-	-
Ft. George-Oceanway	No	1987	567	163	-	•	1	-	•	-	567	163
Normandy-Riverside	Yes•	1985	911	797	395	- 13	911	797		-	-	•
Jacksonville-Lake City	No	1986	3600	1100		<u>-</u>		<b>-</b> .	3688	1100	-	-
JkvlClay-San Jose	Yes	1985	1100	350	1784	23	-	-	<b></b>	-	+	•
Beachwood-Atlantic	No	1986	300	43	. <b>-</b>		-	-	380	43	-	•
Ponte Vedra liber	Yes	1985	1205-	868	881	34	1285	888	•	•	•	•
St. Augustine-Uchside.	Yes	1985	518	103	51	5	518	103	•	•	•	•
Palatka-Interlachen	No	1986	298	44	673	54	•	•	673	. 54	-	
Crescent City-Pomona Pk	Yes	1986	98	32	28	1	•	•	. 98	32	-	٠

[•] Costs included in Wire Center EAL.

#### EUNDAMENTAL NETWORK PLANNING DISTRICT PROJECT STATUS REPORT. NORTH FLORIDA AREA

Page 3 Date: April 1985

FACILITY PLANNING				dorin't	LUKIUM AK	<u> </u>		1	
PROJECT	STUDY TYPE	OSP COST REQST.	SCHED. ISSUE DATE	ENGR. ACCEPT. DATE	ТО <u>нс</u>	TO LEC	T0 A <u>TL.</u>	APPVID.	REMARKS
4 .	•		•						<del>}•••</del> •
PENSACOLA LATA			•		•	`. 			
Milton-Munson	EAL	1/85	+5785	6/88					Fiberoptics
Belmont- Warrington	EAL '	7/84	0/84	4/85	8/84	- '		(11784 BSCN)	fiberoptics.
Belmont-Gulf Breeze- Holley Navarre	EAL		•	4/85	• *	<b>-</b>	•	11/82	Belmont-Gulf Breeze In Service 12/84
Holley/Navarre- ft. Walton Bch.	ŁAL	3/84	4/84	4/85	4/84 .	5/84	5/84	·7/84	EAS. Includes SLC & BSCN;Flbers
PANAHA CITY LATA		-	•		,		•		
Chipley-Graceville.	EAL	4/83	8/83	. 3/86	[1/83	1/84	1/84	5/84	In Switching EAL
Panama City- Youngstown/Fountain	EAL	1/83	10/83	12/86*	12/83	12/83	1/84	4/84	Fiberoptics .
Panama City-Fyndall	EAL	<u>.</u> ·	12/82	10/84	12/82	1/83	1/83	3/83	In Service
Panama City-Chipley	EAL	5/84	8/84	3/86	. ช/84	•	•	(11/84 BSCN)	Fiberoptics.
JACKSONVILLE LATA		•	**			•• •			•
Fernandina Beach- Yulee	EAL		6/85	6/87			٠		Fiberoptics. In Switching EAL
Jkvi-Callahan	EAL	•	3783	6/85-	3/83	3/83	3/83	10/83	Advanced for LATA Tandem
ft. George- Oceanway	EAL		6/85	6/8/				•	Fiberoptics. In Switching EAL
Normandy- Kiverside	EAL ,	•	7/84	6/85	7/84	8/84	9/84	11/84	fiberoptics. In Switching EAL
Baldwin-Wesconnell	ĽAL	•	1/85	5786	2785				Advisory to Switching EAL
Jkv1-Luke City	ŁAI		12784	5/86	1785	2785	2785		Elberoptics
•									•

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•

## FACILITY PLANNING

PROJECT	STUDY TYPE	OSP COST REQST.	SCHED. 1SSUE DATE	ENGR. ACCEPT. DATE	<u>йс</u> ТО	T 0 L <u>E C</u>	TO <u>ATL</u>	APPV'D.	REMARKS.
JACKSONVILLE LATA (CONT	<u>D)</u>		•		•				
Jkvl-Clay-San Jose	EAL	-	7/84	3/85	7/84	7/84	8/84	10/84	·liberoptics
Beachwood-Atlantic	LAL	•	7/84	8786	//84	11/84	11/84	•	In Switching EAL
Ponte Vedra Fiber	EAL	•	3/83	7/85	3/83	5/83	6/83	8/83	Advanced for LATA Tandem
St. Augustine- Beachside	EAL	-	5/84	4/85	5/84		6/84	•	Fiberoptics. Advanced Svc. Advisory to Switching EAL
Crescent City-Pomona Pk	EAL	-	5/84	//86	4/84	5/84	5/84	7/84	fiberoptics.
Palatka-Interlachen	EAL		3/85	7/86	3/85*	3/85•	•		liberoptics
Palatka Cluster Study	EAL	-		•	5/84	-	-	-	In Service
GAINESVILLE LATA								•	
Gvsl East/Northeast	EAL		10/82	9/85	10/82	2/83	2/83	8/83	Fiberoptics
West Gainesville	EAL	-	12/82	4/86	12/82	1/83	1/83	5/83	Fiberoptics
Alachua-Galnesville	EAL	6/84	12/84	6/87	12/84	1/85	1/85		Fiberoptics via NW.
Gainesville-Micanopy- McIntosh	EAL	-	12/82	9/85	12/82	12782	12/82	4/83	Fiberoptics
Southern Gainesville	EAL	1/85	5/85	6/87					Fiberoptics
DAYTONA LATA		•			•	,		•	to the
Bunnell-, Palm Coast	EAL	-	6/84	5/86	//84	8/84	6/84	`11/84	Fiberoptics. In Switching EAL
Deland-Plerson	EAL	•	2/85	6/86	1785	1/85	2/85		liberoptics

Ø53185 Ø844/Ø53185 Ø844

	AREA:	NORTE FI	ORI	DA		<b>(T1</b>	TRANSACTION)	DATE	<b>05/30/8</b> 5
		IPROJECT	!!	TYPE	ISSUE!			ISSUI	NO. 0043
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	Proposed Fiber KF	Proposed # of splices (includes maintenance splices)	Fiber Grade
Orange Park South Route:	32.0 KF	12	R
Green Cove Springs North Route:	37.2 KF	12	R,
Green Cove Springs West Route:	27.3 KF	10	R
Penney Farms East Route:	19.3 KF	8	R
Penney Farms West Route:	46.6 KF	10	R

NOTE: Fiber Grade for this project provided by Transmission Engineer William Tinkle, Miami, Florida. Telephone Number: 305-263-2966.

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# ENGINEERING NOTES PROJECT 43836

- The cost data used in this project for the pricing of materials, placing costs, and splicing costs conforms to current Fiber Optic pricing guidelines.
- 2. The LATA/Operator Services Fiber Optic cable proposed in this project has been approved for implementation in Southern Bell. This approval is outlined in a letter from Mr. Fred A. Baker, Assistant Vice President Network Planning and Engineering, dated November 7, 1983 (See Section 1). This letter also serves as the forecast of requirements for the proposed facility. In addition approval for the portion of the proposed facilities associated with the Toll and Assistance Operator Services System was approved by Mr. R. K. Snelling, Executive Vice President Network on September 17, 1984. (See Section 1). Timing for this proposal is reflected in the current issue of the Trunk Facilities Project Status Report dated April, 1985. (See Section 1).
- 3. In addition to the LATA/Operator Services trunk fiber requirements, it is proposed to have combined trunk and exchange fibers in four of the five feeder routes involved with this undertaking. Exchange fiber requirements in the four feeder routes is delineated as follows:

#### GREEN COVE SPRINGS NORTH FEEDER ROUTE

Economic justification for the placement of (6) single mode exchange fibers in this feeder route has been provided utilizing the E.A.S.O.P. Study Program. (See Section *7). The (6) exchange fibers will extend from the Central Office to a point north of S.R. 209 on U.S. 17 (approximately 20.3 KF from the Central Office). Although Fiber/SLC will not be implemented in this feeder route until 1991, the Fiber/SLC strategy will reduce assigned line cutover requirements in the feeder route by deferring and reducing requirements for Copper Digital pairs. The Green Cove Springs North Feeder Route is also considered to have significant potential for future enhanced services.

#### GREEN COVE SPRINGS WEST FEEDER ROUTE

Economic justification for the placement of (6) single mode exchange fibers in this feeder route has been provided utilizing the E.A.S.O.P. Study Program. (See Section 7). It is proposed to establish a Fiber/SLC Hub in 1988 near the theoretical point of connection of Allocation Area 4108. The proposed (6) exchange fibers will be extended to a point approximately 10.3 KF from the Central Office. In addition (6) Exchange Fibers, classified as trunk, will be extended along this entire feeder route and on to the Penney Farms exchange for the purpose of replacing the Penney Farms Central Office with Fiber/SLC in the 4th. Quarter of 1986. Justification for the (6) exchange fibers to be used for the Penney Farms Fiber/SLC Central Office replacement is delineated in a separate executive approval letter which is in the approval process.

#### ORANGE PARK SOUTH FEEDER ROUTE

An economic study utilizing the E.A.S.O.P. Study Program shows that placement of (6) single mode exchange fibers in conjunction with the proposed Fiber Trunk cable will be less costly than implementation of a Copper/SLC Plan in future. (See Section 7). The proposed (6) exchange fibers will extend from the Central Office to Bald Eagle Road. (Approximately 24.9 KF).

# ENGINEERING NOTES PROJECT 43836

(continued)

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#### PENNEY FARMS EAST FEEDER ROUTE

- (6) exchange fibers (classified as trunk) are proposed in this feeder route as a continuation of those placed in the Green Cove Springs West Feeder Route in order to service Fiber/SLC in Penney Farms during the 4th. Quarter of 1986. The proposed Fiber/SLC will replace the existing Penney Farms 355A Central Office by converting all existing customer lines to SLC-96 extended through the proposed fiber cable from the Green Cove Springs Central Office. Justification for the six exchange fibers to be used for the Penney Farms Fiber/SLC Central Office replacement is delineated in a separate Executive approval letter which is in the approval process.
- 4. No exchange fibers are proposed in the Penney Farms West Feeder Route as existing Copper facilities are adequate through the 20 year study period.
- 5. In addition to the exchange fibers proposed in the Green Cove Springs West Route and the Penney Farms East Route for use in the conversion of the Penney Farms C.O. to SLC, a 25 pair 19 gauge copper cable is proposed. The 25 pair copper cable will be required for the extension of SLC-96 miscellaneous pairs from the Green Cove Springs Central Office to the three proposed SLC-96 sites in the Penney Farms Exchange.
- 6. This project conforms with standard SBT transmission guidelines.
- 7. RICS, CONECS, and Preterm not applicable in this project.

Page _1__oi _ 3

# Outside Plant Forecast Development Summary

Project No.	Area Designation	Wire Center	Exchange		
PLANNING	ENTIRE AREA	ORANGE PARK MAIN	ORANGE PARK		

#### Reason for Issuance

This is the scheduled, April 1, 1985, semi-annual planning study for the Orange Park Main Wire Center. It is based on the 013185 wire center forecast and is consistent with the 013085F Administrative View.

#### Wire Center Forecast Assumptions and Summary of Factors Affecting Development

The Orange Park wire center serves a rapidly growing middle and upper middle income residential area with an expanding retail and service base. Clay County, in which Orange Park is located, offers lower tax rates, similar land costs, and a lower population density than adjacent Duval County. In addition, the school system is considered by many to be superior to Duval County Schools. For these reasons, the Orange Park wire center has experienced strong gains due to in-migration. This migration is expected to continue as long as the factors which make Clay County desirable remain valid.

Business access line gains are increasing in relation to total access lines. While this is so we still have new residential developments coming on line within the city limits. However, long term residential development will have to occur in the area south of Doctors Lake, east and west of U.S. 17, off Pine Avenue and west along SR-220.

Consistent with company assumptions addressed in Mr. Holding's letter of 12/21/84 regarding ByPass and WATS/800 service conversion activity, this planning study reflects losses of line at a time WATS and forecast of customer specific DS-1 requirements.

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Prepared By: Mat E. Wlintton 2-28-83

Approved:

District Manager - Forecast Date

Form	55688
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# Outside Plant Forecast Development Summary

Project No.	Area Designation	Wire Center	Exchange
PLANNING	ENTIRE AREA	ORANGE PARK MAIN	ORANGE PARK

Study Section Description and Assumptions (cont.)

#### FEEDER ROUTE 1

The forecast anticipates continuing intensive commercial and light industrial development in the area served by this feeder route. These include locations in the Armstrong Industrial Park, and appropriately zoned parcels along Wells Road and U.S. 17. Wells Crossing, to be located SE of the Debarry Avenue, Wells Road intersection, is an example of all of these. Starting in 1985 the complex will have 150 apartments, 70 patio homes and an office park with 98,000 square feet. Continued growth will positively affect business main, equivalent, and miscellaneous line demand. Miscellaneous demand will be affected by the Answering Service of Orange Park which is located in this area. The Orange Park Mall, located in the western end of this feeder route, has recently completed expansion and any new gain here will be in the form of additional lines for existing stores and shops.

Residential growth projections for this feeder route have increased substantially over previous forecast periods. This is primarily due to the 700 unit P.U.D. (Whispering Pines) off Collins Road which has grown at a rapid pace. The Oaks of Orange Park is scheduled to start construction of 248 apartments in the 2nd quarter 1985. This complex, Wells Ridge, Wells Crossing and Wells Landing will generate substantial residential growth along Wells Road in the short term.

#### FEEDER ROUTE 3

Most of the useable land in the area north of Doctors Lake has been utilized. The major exception to this is a small tract adjacent to Club Continental, on which Winterbourne patio homes and condominiums are located. The multi-story (4 floors 23 units) phase of this complex had some legal/environmental complications last year but is scheduled to begin construction in mid 1985. Zoning of both residential and commercial development in this area is restricted and land is expensive. Some additional business gains should be experienced as commercial development is rejuvinated along U.S. 17.

In the area south of Doctors Lake, development of small subdivisions has increase moderately over last year. This area offers numerous attractive tracts of land which are expected to become available over the long term. Most of them are currently owned by St. Regis Land Development Corporation. Construction has begun in one such development, Island Forest.

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Form 5568B

Page _3_ of _3__

## Outside Plant Forecast Development Summary

Γ	Project No.	Area Designation	Wire Center	Exchange
	PLANNING	ENTIRE AREA	ORANGE PARK MAIN	ORANGE PARK

Study Section Description and Assumptions (cont.)

#### FEEDER ROUTE 3 Cont'd.

Currently, several small subdivisions, off Pine Avenue, are experiencing slow growth. These include 27 lots Riverwood Estates, 42 lots Cedar Run, 21 lots Fleming Forest and West Shores Forest (82 lots). Also, on U.S. 17 a 54 lot subdivision, Peters Creek, has begun construction. In addition, a 40 lot waterfront subdivision, Osprey Bluff, is being offered for single family home construction. Osprey Bluff is located at the end of Turkey Hill Road on Swimming Pen Creek. Growth in all the existing subdivisions, including Deer Run and Whispering Woods, continues to be slow. This is primarily attributed to the higher interest rates but could also be influenced by the fact that Orange Park is developing southward down Blanding Blvd. at a rapid pace. The land is cheaper off Blanding Blvd. The land near the river in this feeder route and along Doctors Lake's southern shore is more expensive. This area should increase its growth rate in the mid-term as the land in the western part of the exchange becomes fully developed.

Business development will increase in this feeder route as residential growth intensifies.

#### FEEDER ROUTE 4

Growth is expected to continue in this geographically desirable area as long as land remains available. Many of the easily developed tracts of land have been used, and a number of lake-front estates have been divided into multiple homesites such as Birdwood and The Springs. In the northern part of this feeder route, Bellaire and The Oaks Townhomes (36 units) will contribute to the small residential growth in this area.

The major impact in this feeder route has come from the new office complexes just inside the Wire Center boundary on Kingsley. The offices and medical clinics on Kingsley contributed about 100 business lines in 1984 and will contribute a similar amount in 1985. We expect this growth to subside until some of the older homes on Kingsley are purchased and the land developed commercially.

#### FEEDER ROUTE 5

The planned unit development, Orange Park South, is located in this section. Some new construction is taking place in this project at this time. In addition about 30 apartments are being constructed adjacent to the single family housing. Another complex of 20-30 single family housing has started construction just west of Orange Park South on the north side of SR 220.

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X OP/WC

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WIRE CENTER

TOTAL WORKING LINES IN-SERVICE

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COMPARISON TO WIRE CENTER FORECAST

FID FORM 5570 FORECAST DATE: 01-31-85

	FORECASTER: ALBRITTON W/CENTER: ORGP	EXCHANGE: ORGP	DISTRICT: WEST				DIVISION: NORTH		FORECAST DATE: 01-31-85 AREA: NORTH		
<i>_</i>	;	F.0.Y		S	HORT TERM				LONG	.TERH	
		1-1-85	1-1-86			1-1-89	1-1-90	1-1-91	1-1-96	1-1-01	1-1-06
	TOTAL LIVING UNITS										
~	IN-SERVICE										
(	- OUTSIDE PLANT	10320	10705	11075	11450	11810	12175	12538			
	WIRE CENTER	10250	10602	10949	11319	11668	12018	12368			
	Z OP/WC	100.7	101.0	101.2	101.2	101.2	101.3	101.4			
	CUH'L GAIN										
	OUTSIDE PLANT		385	755	1130	1490	1855	2218			
	WIRE CENTER	•	352	699	1068	1418	1768	2118			
	Z OP/WC		109.4	108.0	105.8	105.1	104.9	.104.7			
6	MESIDENCE HAIN	•									
(	IN-SERVICE	•	•								
	OUTSIDE PLANT	9401	9747	10063	10394	10740	11086	11432			
	WIRE CENTER	9383	9710	10010	10324	10646	10970	11294			
	% OP/WC	100.2	100.4	100.5	. 100.7	100.9	101.1	101.2			
	CUH'L GAIN							•			
	DUTSIDE PLANT .		346	662	993	1339	1685	2031			
	WIRE CENTER		327	627	941	1263	1587	1911			
	Z OP/WC		105.8	105.6	105.5	106.0	106.2	106.3			
	RESIDENCE LINES										
	IN-SERVICE	_									
	OUTCIDE OF ANY	9396	9747	10063	10394	10740	11086	11432			
$\left( \cdot \right)$	WIRE CENTER	9376	9705		10318	10640	10964	11288			
	X DP/WC	100.2	100.4	100.6	100.7	100.9	101.1	101.3			
	CUH'L GAIN	10012	10014	10010	70011	74411	10111				
	OUTSIDE PLANT		351	667	998	1344	1690	2036			
	WIRE CENTER		329	628	942	1264	1588	1912			
	X DP/WC	*	106.7	106.2	105.9	106.3	106.4	1912			
	A UT/WC		700+1	100.2	103+7	10012	100.4	140+3			

February 8, 1985

Mr. F. L. Hostetter District Manager-Distribution Jacksonville, Florida

#### Dear Floyd:

I have listed below the buildings/complexes which fit the "large user, 100,000 square feet administrative space or 400 lines" requirement for inclusion. These are listed by Wire Center and will be attached to the appropriate planning study (4-1-85).

		Tot	al Worki	ng Line	Forecast	· · · · ·
	Actual 1-1-85	1-1-86	1-1-87	· <u>-1-1-88</u> ·	1-1-89	1-1-90
Corange Park Main	416	450	500	525	550	550
1,000,000 sq. ft. AA: 1208	•		· • .		•	
`. • _	3	.90	200	250	300	350
100,000 sq. ft. AA: 4306				•••		
- Wesconnett	49	110	160	180	200 -	225
300,000 sq. ft. AA: 3204						
7 [.] 8	0	60	150	200	250	300
SR-21 & I-295 AA: 3122			٠.		•	
Orange Park Main	175	240	260.	280	300	300
33 • AA+ 1106						

			•	T	otal Wor	king Lin	e Forecas	3 C
	• .	<u>.</u>	Aotual 1-1-85	1-1-86	1-1-87	1-1-88	1-1-89	1-1-90
5	Wesconnett	• •	1784	.2050	2200	2300	2400	2500 -
6	AA: 2212,2216	·	793	900	1100	1200	1300	1400
8 9	AA: 4406-80		133		1100			.,,,,
12	Riverside		171	200	225	250	275	300 - 1
1,3	100,000+ sq. ft	•			•		٠.	•

100,000+ sq. ft. AA: 3108

- If you have any questions please give me a call

May

Max E. Albritton Manager-Forecast

cc: H. F. Meiners

WATS BYPASS FORECAST DS-1

WIRE	CENTER_	ORANGE	PARK	MAIN
ROUTE	<b>1</b> ·			

PORECASTER M. ALSZITTON DATE PREPARED 2-27-85

	1	T ===	<u> </u>	70 70 0	TO DUT OF	/V035	- 67101			<del></del>	
	CURRENT DS-1	1	1	J.		1	4		·		
NAME/ADDRESS	IN-SERVICE	85	86	87	88	89	90	95	00	05	
8	_		_		2	2	2	<b>:</b>		,	
						<u> </u>					
9		-	-	,	1	1	1	i	l [		
10	:	,			,				ļ	<u> </u>	
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	:	x									
•		1									·
F01B1									:		
42	.:			·	٠						<u>-</u>
00767											
						·					
FEEDER ROUTE TOTAL				٠.5	2	<b>.</b>	2			,	

# PLANT FORECAST

ORANGE PARK WIRE CENTER
W.JAX. ENGINEERING
SOUTH FEEDER ROUT

ENGINEERING DISTRICT FEEDER ROUTE

( . a .	TUDY APPRO			2-28 1-1-8:	75	<i>9007H</i> PRO	J.NO	433 - 433	307	UDY S	ENGR ECTION	PM.	1M. 3 & 5	-
<u>_</u> L	FOREC PERIOR			PRES.		1	2	. 3	4.	5	6	7	8	
	DATES				•	85	86	87	887 2790	912	96	-	·	
	·· work	ING .	·	• • •			•			•	•		•	1
(	ASGN.	PRS.	1.	• •	•	·,	•							
	. DED.	PRS.		•		· <del>j · ·</del>		FOR	ECAST	ED GR	HTWC	}	- }	
	TOTA		:			133	134	150	487		1	1	.	
	TOTA! (ANNUAL!		$\nearrow$	X	X	133	134	150	162					
· - [	ALLOC. AREA	WKG.	ASGN. PRS.	DED. PRS.	.T .O _T		ENC	SINEER	ING SP	READ	OF GR	ЭWTH	•	
	3102.		721.			15	18	25	25	Ţ				
	3204 3206		199			10	15	<del></del>	20					
-	3208 3210		26			5	.5	15	20	Ì				
•	3212(9212)		33 169	- :		37	30	30	24	]				
	3216	·	62			14	13							

133

134

150

162

7.7.0	1 43 1		<u> </u>	0	0		0
		•	<i>.</i>		_		
<u> </u>							` .
TOTAL.	1741		-	133	134	134	.162
FORECAST (ANNUA	AL (ZED)	•		36	. 39.	47	57
		•			•	•	
5101 CXR	24	•.		0	0	0	Ü
5101	155			36	39	47	57
TOTAL	179			36.	39	47	57

SUBTOTAL

·F01B14Z 00768

```
TY999
EFRAP2;24-2-83040;264269;1001;1;;;
WESTERN ELECTRIC CO;8445 WESTERN WAY; JACKSONVILLE, FL. 32216;
PAUL MUELLER; SBT&T CO.; 1542 KINGSLEY AVE. 133;
DRANGE FARK, FLA32073; FIRST CLASS; 904-269-6591; 7-23-81;
COST: SOUTHERN BELL - NORTH FLORIDA AREA - 830111;
ACAU: 11.68,10.57:11.25,11.34,17.14,.24878,.26488,.32674,.08801,
NRCA: .24478,-.00211,.22533,-.00111,.21669,-.00062,.20838,-.00039,
NRCU: .18078,-.00211,.16133,-.00111,.15269,-.00062,.14438,-.00039,
RC: 118.78,4.66,202.91,5.33,222.44,5.08,
TAXS: 1,35,1,35,1,35,7,0,12,0,64,5,
IFCS: 1,24,13,7,0,64,6,24,4,29,5,65,5,65,7,78,
196A: 25,50,100,200,300,400,450,
119A: 1.128,1.74,2.706,5.318,7.398,0,0,
I19U: 0,0,0,0,10,926,13,60,15,257,
I19B:1.069,1.753,2.888,6.171,8.851,0,0,
226A: 25,50,100,200,300,400,600,900,
226A: 1100,1200,
1224: .928,1.332,1,912,3,703,5,034,6,378,9,136,10,936,
I22A: 11,029,14,121,
1220: 0,0,0,0,7.609,9.33,14.181,19.697,
1220: 20.699,25.458,
I22B: .838,1.285,1.949,4.404,6.13,8.017,9.907,13.041,
122B: 0,17.261
24GA: 25,50,100,200,300,400,600,900,
24GA: 1200,1500,1800,2100,
1244:,867,1,197,1,637,3,183,4,211,5,305,7,489,9,277,
124A: 0,0,0,0,
1240: 0,0,0,0,7,70,9,276,13,01,17.886,
1240: 22.91,27.919,32.83,37.141,
I24B:.744,1.117,1.657,3.83,5.263,6.814,8.216,10.082,
I24B: 13.5,16.833,19.8,0,
26GA: 25,50,100,200,300,400,600,900
26GA: 1200,1500,1800,2100,2400,2700,3000,3600
I26A: .816,1.118,1.615,2.872,3,745,4.677,6.524,7.868,
I26A:10.587,12.883,14.586,16.626,18.752,20.349,21.67,24.66,
1260: 0,0,0,0,7,056,8,538,11,774,16,206,
I26U: 20.775,25.263,29.523,34.084,38.246,40,135,41.719,45.214,
I26B: .71,1.035,1.469,3.465,4.742,6.087,7.132,8.5,
I26B: 11.60,14.30,17.10,20.10,23.00,26.00,28.80,0,
LAND:0,.18,.10
PLC:2300,.3,,,
PGS:96-1E,86,14,1,900
CFGS:96-1E,25000,2400,.15,
FGS:96-10E,86,11,10,900
CPGS:96-10E,23700,15100,.15,
PGS:96-40E,86,11,40,900
CP6S:96-40E,23700,18500,.15,
PGS: 96-15,86,0,1,900
CFGS:96-1S,25000,2400,.15,
FGS:96-10S,86,0,10,900
CFGS:96-10S,23700,15100,.15,
FGS:96-40S,86,0,40,900
CPSS:96-40S,23700,18500,.15,
PGS:96-1EX,86,14,1,1500
CPGS:96-1EX,25000,2400,.15,
PGS:96-15X:86:0,1,1500
CFGS:96-1SX:25000:2400:.15;
FGS:94-10E0,84,11,40,900
                                                         F01B14Z 00769
CPGS:96-10E0,23700,15100,.15,
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PGS:96-40ED:86:11:80:900

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网络最高强高的复数最高,更高多级的精致的发现的
CPS3:96-10S0,23700,13100,.13.
PGS;94-4080,84,0,80,900
CPGS:96-4080,23700,18500,.15;
PTRI:1, ORANGE PARK SOUTH
GEN1:5,00,10.00,2,900,900,ND
GEN2:1430,85,50,3,.80,1.25,1.85.B
YRGR: JAN, 1985, 1986, 1987, 1988, 1991, 1996, 2001
A:3101,US36,US36,13,1500,85,0,26
B:3101,0,1175,675,1250,
A:3102,US36,US36,16,1900,85,2300,26;
B:3102,0,1275,750,475,
A:3106,US36,US36,0,3100,85,5000,26
B:3106,0,1275,450,475,
A:3202,B,US36,3,2300,90,0,26;
B:3202,0,1200,350,250,
A:3204:US36:US36:7:3400:85:7000:24:
B:3204,0,1375,425,
A:3206,US36,US36,7,5800,90,7500,24
B:3206;:1100;0;
A:3208,US36,US36,7,6900,90,10000,22,
B:3208,,1100,
A:3210,B,US36,0,2400,90,9000,22,
B:3210,,700,
A:3212,B,US36,2,5900,90,6000,22,
B:3212,,100,
A:3214,B,US36,0,5900,90,9900,22
B:3214,,1050
A:3216,B,US36,0,5400,90,9000,22,
B:3216,,900,
E;3216,22GA,
A:5101,B,U636,0,4400,90,10000,22,
B:5101,,900,
E:5101,22GA
A:8212,B,US36,2.0,100,0,22
B:8212,9999,9999,9999;999
A:9212,B,US36,2,33200,100,0,22
B:9212,99999,99999,99999,99999
A:8101,B,US36,0,0,100,0,22
B:8101,9999,9999,9999,9999
A:9101,B,US36,0,40600,100,0,22
B:9101,9999,9999,9999,9999
G:3101,721,15,18,25,25,25,25,2
6:3106,209,15,18,20,20,20,25,2
-G:3204,199,10,15,20,20,20,25,2
 6:3206,166,10,10,10,13,20,24,2
 G:3208,26,5,5,5,7,16,24,2
 G:3210,131,15,15,15,20,24,24,2
 G:9212,33,37,30,30,24,24,24,2
 G:3214,169,12,10,10,15,20,24,2
 G:3216,62,14,13,15,18,27,30,3
 6:5101,155,36,39,47,57,76,76,7
 G:8212,25,0,0,0,0,0,0,0,0,
 G:6101,24,0,0,0,0,0,0,0,0
 1,5101.3216,3216.3214,3210.3208,3208.3206,3206.3204,3204.3202,
 1,3202.3106,3106.3102,3102.3101,3101.00,3212.3210,3214.3208
 1,8212.3212,8101.5101
 2,9212,00,9101.00
 GCHG:24,3202,
 GCHG:22,3202,
 RUN: 1, D, 20, 2003, XG,
 RUN:2,0,20,2003,XG,
                                                           F01B14Z 00770
 COMM: HUB 3208A
```

A:9206,US36,US36,7,18000,100,0,24

```
317208,9999,9999,9999,9999
A:9214,B:US36:0,30800,100,0,22
B:9214,9999,9999,9999,9999
A:9216,B,US36,0,36400,100,0,22
B; 9216, 9999, 9999, 9999, 9999
g:3206,166,10,10,5,0,0,0,0
6:9206,0,0,0,5,13,20,24,2
B:3208,26,5,5,2,0,0,0,0
6;3210,131,15,15,7,0,0,0,0
6:9208,0,0,0,11,27,40,48,4
6:3214,167,12,10,5,0,0,0,0
6:9214,0,0,0,5,15,20,24,2
G:3216,62,14,13,7,0,0,0,0
6:9216,0,0,0,8,18,27,30,3
G:5101,155,36,39,23,0,0,0,0
G:9101,0,0,0,24,57,76,76,7
ASSE:
2,9212.00,9101.00,9214.00,9216.00,9206.00,
2,9210.9208,9208.00
EOF:
>FILE
NEXT?
DEFRAP
WHAT PROGRAM DO YOU WANT TO RUN- DATACK, CFT, STUDY OR SFD ?
>DATACK
IS THE FILE A PREVIOUSLY MERGED 'IFILE'?
(Y OR N).
> Y
EFRAP FILE NAME ?
>IOFSOUTH
EFRAP DATA CHECK - ISSUE 18 - 60385
BASIC DATA DIAGNOSTICS
    ERRORS
    WARNINGS
 RUN 1 DIAGNOSTICS
    ERRORS
               0
    WARNINGS
 RUN 2 DIAGNOSTICS
    ERRORS
               Û
    BARNINGS
 DO YOU WANT TO SEE YOUR ERROR MESSAGES ? (Y OR N)
 >N
 DO YOU WANT TO RUN CFT ?
                            (Y OR N)
 DO YOU WANT WIDE CARRIAGE PRINTOUT ? (Y OR N)
 >Y
  RUN 1
                                                           F01B14Z 00771
```

FIRST SHORTAGE

SECTIONS

***EFRAP CFT (ISSUE 27 - 82151) : ASM (ISSUE 03 - 60247)***
PROBLEM: 1 ORANGE PARK SOUTH

RUN 1

CUMULATIVE ASSIGNED PAIRS TABLE

PAGE 1

* INDICATES ASSIGNED PAIRS OF ANY GAUGE WHERE THERE ARE NOT SUFFICIENT PAIRS OF THAT GAUGE ALONE TO SERVE THEM. 3101 3102 3104 3202 3204 3206 3208 3210 3212 3214 3216 5101 8101 8212 9101 SECTION: ō ٥ AVL PRS-19 100 1050 2220 9999 99999 900 900 9999 AVL PRS-22 1175 1275 1275 1200 1375 1100 1100 900 9999 2999 9999 99999 750 450 350 425 0 0 ٥ 0 0 0 ٥ AVL PRS-24 675 475 475 250 0 ۸ ٥ ٥ ٥ ð 0 5059 999 9999 99999 AVL FRS-26 1250 TOTAL 3100 2500 1800 1800 1100 1100 900 160 1050 700 900 39996 30996 39996399996 2200 ASH FRS-19 179 33 241 ASN PRS-22 410 410 410 410 592 592 592 156 25 410 0 0 348 348* 166 166# ٥ 0 0 ASN PRS-24 348 348 ٥ 0 0 1129* 408* 408* 199 199* 0 ٥ ٥ ASN PRS-26 25 ٥ 33 758 25 410 241 179 TOTAL 1887 1166 1166 957 957 592 156 0.20 0.00 0.00 0.00 0.47 0.53 0.53 0.53 0.69 0.54 0.17 0.25 0.39 0.27 XFILL 0.61 . 6 ٥ CUM 1985-19 a 6 472 674 674 171 25 291 215 CUM 1985-22 472 472 472 378 a O ð ٥ ٥ 378 378* 176 176# ۵ 0 CUM 1985-24 378 ٥ 0 0 ٥ ٥ 0 CUH 1985-26 1169* 433* 433* 209 209* 0 Δ. 70 TOTAL 2019 1283 1283 1059 1059 850 674 171 25 472 291 215 24 25 0.00 0.59 0.59 0.77 0.61 0.19 0.25 0.45 0.32 0.24 0.00 0.40 XFILL 0.65 0.51 0.58 CUM 1984-19 100 534 25 534 CUM 1986-22 534 534 756 754 756 186 534 . 0 0 ٥ a 408 ٥ G ٥ CUM 1986-24 408 408# 408* 186 186# 0 ٥ ٥ ٨ ٨ ٥ ٥ CUM 1986-26 1220* 466* 466* 224 224* 0 0 343 24 25 ٥ 100 756 25 534 254 TOTAL 2162 1408 1408 1166 1166 942 0.00 0.25 0.51 0.38 0.28 0.00 0.70 0.56 0.64 0.65 0.65 0.86 0.69 0.21 CUN 1987-19 ٨ 130 25 606 405 301 25 CUM 1987-22 606 404 AOA 606 848 848 848 201 0 Λ CUM 1987-24 438 438 438* 438* 196 196* ٥ 0 ٥ 0 0 ū Λ CUH 1987-24 1285* 506* 506* 244* 244* 0 ٥ ٥ 0 ð 0 ٥ 24 405 301 TOTAL 2327 1550 1550 1288 1288 1044 848 201 25 606 0.72 0.72 0.95 0.77 0.22 0.25 0.56 0.43 0.33 0.00 0.00 XFILL 0.75 0.62 0.70 CUH 1990-19 202 472 CUM 1990-22 876 874 876 874 1199# 1199# 1199# 261 876 630 ٥ ٥ CUH 1990-24 556 558 558* 558* 235 235* 0 ٥ ٥ 0 0 . 0 Ð 1460* 626* 626* 304* 0 · O a 0 TOTAL 2914 2060 2060 1738 1738 1434 1199 261 25 876 630 472 24 25 0 202 0.52 9.69 0.00 0.94 0.82 0.94 0.97 0.97 1.30 1.09 0.29 0.25 0.83 0.70

F01B14Z 00

			C (	UNULAT											FAGE	2
3101	3102	3106	3202	3204	3206	3208	3210	3212	3214	3216	5101	9101	9212	9101	9212	
٥	0	o	o	٥	٥	٥	0	9	0	ð	0	ð	٥	0	0	
14911	1491*	1491*	1491#	2014*	26141	2014%	361	25	1491*	1145*	8521	24	25	6	322	
8584	R58±	8582	8781	375	375	0	- 6	-0				٥	0	٥	0	
10053	E24*	874*	404*	401*	^	Ā	Ä	Á	ň	ō	ó	ò	ō	ō	٥	
4154	7175	7175	2767	2757	2210	2013	701	วรั	1401	1135	853			ň	322	
4124	31/3	31/3	2/33	1/-3	2247	2017	301	4 55	1771	1 7 7 7	200	4 40	0.00	0.00	A 00	
1.39	1.27	1.44	1.53	1.23	2.14	1.03	0143	0.25	1:42	1 + 27	7173	0.00	. 0100	0.00	V100	
٨	Λ	۸	۸	۸	۵	Λ	^	۸	'n	٥	۸	a	٥	٥	. 6	
24.44	01114	21.14	2000	2041+	20014	20014		25	7111	11754	1277+	24	25	ň	•	
21414	21414	21414	21414	27044	27094	27044	201	23	71414	19/54				^		
1218#	12184	12187	12168	4357	455%	Ü	Q	V	0	· ·			Ÿ	v	¥	
2180*	1076*	1076*	529*	5291	٥	0	0	0	. 0	0	0	- 9	Q	9		
5539	4435	4435	3938	3838	3359	2904	501	25	2141	1675	1232	24	25	_		
1.79	1.77	2.02	2.14	2.16	3.05	2.64	0.54	0.25	2.04	1.84	1.37	0.00	0.00	0.00	0.00	
٥	٥	0	6	٥	٥	٥	0	٥	٥	٥	6	٥	٥	٥	٥	
												-		ō	450	
														7		
12724	12721	10000	12724	4631	4031	•	Ÿ	ž	ž				•	×	•	
		10454	23/4	33/7		22.0		- 0	0 .		10/0			,	•	
		4523	3768	3768	3431	2768	509	25	2169	1/13	1200	24	25			
1.62	1.81	2.06	2.20	2.20	3.12	2.70	0.57	0.25	2.0B	1.71	1.40	0.00	0.00	0.00	0.00	
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***EFRAP CFT (ISSUE 27 - 82151) : ASH (ISSUE 03 - 80247)***
PROSLEH: 1 GRAHGE PARK SOUTH

RUN 2

CUMULATIVE ASSIGNED FAIRS TABLE

PAGE 1

* INDICATES ASSIGNED PAIRS OF ANY GAUGE WHERE THERE ARE NOT SUFFICIENT PAIRS OF THAT GAUGE ALONE TO SERVE THEM. 3101 3102 3104 3202 3204 3206 3208 3210 3212 3214 3216 5101 8101 8212 9101 9206 SECTION: AVL PRS-19 AVL PRS-22 1175 1275 1275 1200 1100 1100 9999 9959 9999 9999 . 0 - 0 AVL PRS-24 0 9999 999 9999 . 0 AVL FRS-24 1250 900 39994 30794 39994 39994 1800 1100 1100 100 1050 2200 1800 TOTAL 3100 2500 Λ ASN PRS-19 592 592 ASN PRS-22 166# 0 348 . 348 348* 166 ASN FRS-24 ASN FRS-26 1129# 408# 408# 199 199# 241 177 758 592 156 TOTAL 1887 1166 1166 937 0.00 0.00 0.00 0.53 0.69 0.54 0.17 0.25 0.39 0.27 0.20 XFILL 0.61 0.47 0.53 0.53 CUM 1985-19 674 674 171 CUM 1985-22 ð ð 378# 176 176* 0 0 CUM 1985-24 CUH 1985-26 1169* 433* 433* 209 209* Ô TOTAL 2019 1293 1283 1059 1059 850 674 171 472 291 215 XFILL 0.65 0.51 0.59 0.59 0.59 0.77 0.61 0.19 0.25 0.45 0.32 0.24 0.00 0.00 Ö CUM 1984-19 CUM 1984-22 • 408# 408# 186 186# 0 Ŷ CUH 1986-24 õ CUH 1986-26 1220* 466* 466* 224 224* TOTAL 2162 1408 1408 1166 1166 942 756 186 534 343 254 0.00 0.00 XFILL 0.70 0.56 0.64 0.65 0.65 0.84 0.69 0.21 0,25 0.51 0.38 0.28 0.00 0.00 CUH 1987-19 CUH 1987-22 422* 422* 191 191* CUM 1987-24 CUM 1987-26 1285# 506# 506# 244# 244# 0 Λ 800 193 25 569 373 277 TOTAL 2276 1497 1497 1235 1235 991 0.00 0.00 XFILL 0.73 0.60 0.68 0.69 0.69 0.70 0.73 0.21 0.23 0.34 0.41 0.31 0.00 CUH 1990-19 CUM 1990-22 CUH 1990-24 422* 422* 171# 0 ð . . Λ 0 . 0 CUN 1990-26 1480# 626# 626# 304# 304# 4.4 800 193 25 559 373 277 TOTAL 2471 1617 1617 1295 1295 0.31 0.00 0.00 0.00 XFILL 0.80 0.65 0.73 0.72 0.72 0.90 0.73 0.21 0.25 0.54 0.41

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RUN 2				C!	UHULAT		 818HED	PAIRS	TABLE			-				PAGE 2
SECTION	3101	3102	3106	3202	3204	3206	3208	3210	3212	3214	3214	5101	8101	\$212	9101	9206
CUH 1995-19 CUH 1995-22 CUH 1995-24 CUH 1995-26 TOTAL XFILL	0 569 422 1805* 2794 0.90	0 569 422 826* 1817 0.73	0 549 422* 826* 1817 0,83	0 569 422* 404* 1395 0.77	0 800 171 404* 1375 0.77	0 300 191* 0 991 0.90	800 0 0 800 0.73	0 193 6 0 193 0.21	25 0 0 25 0.25	0 569 0 0 569 0.54	0 373 0 0 373 0,41	0 277 0 0 277 0.31	0 24 0 0 24 0.00	25 0 0 25 25	575 0 0 575 0.01	0 0 144 0 144 0.00
CUM 2000-19 CUH 2000-22 CUM 2000-24 CUM 2000-26 TOTAL XFILL	0 569 422 2180* 3171 1.02	0 569 422 1076* 2067 0.83	0 569 422* 1076* 2067 0.94	0 549 422‡ 529* 1520 0.84	0 600 191 529* 1520 0.84	0 800 191* 0 991	800 0 800 0.73	193 0 0 193 0.21	0 23 0 0 25 0.25	0 549 0 0 549 0.54	0 373 0 0 373 0,41	0 277 9 0 277 0.31	0 24 0 0 24 0.00	0 25 0 27 0.00	955 0 0 955 9.02	0 264 0 261 0.01
CUH 2004-19 CUH 2004-22 CUM 2004-24 CUM 2004-26 TOTAL XFILL	0 569 422 2204* 3195 1.03	0 549 422 1092* 2083 0.83	0 569 422* 1092* 2063 0.95	569 422* 537* 1528 0.85	0 800 191 537* 1528 0.85	800 191* 0 991 0.90	800 0 0 800 0.73	193 0 0 193 0.21	25 0 25 0 25	0 569 0 0 569 0.54	373 0 0 373 0.41	277 0 6 277 0.31	0 24 0 0 0 24 0,00	0 0 0 25 0,00	983 0 0 983 0.02	0 0 272 0 272 0.01

##TEFRAP CFT (ISSUE 27 - \$2151) : ASM (ISSUE 03 - 80247)### GRANGE PARK SOUTH PROFLEM: 1

**RUN 2** 

CUMULATIVE ASSIGNED PAIRS TABLE

* INDICATES ASSIGNED PAIRS OF ANY DAUGE WHERE THERE ARE NOT SUFFICIENT PAIRS OF THAT GAUGE ALONE TO SERVE THEM.

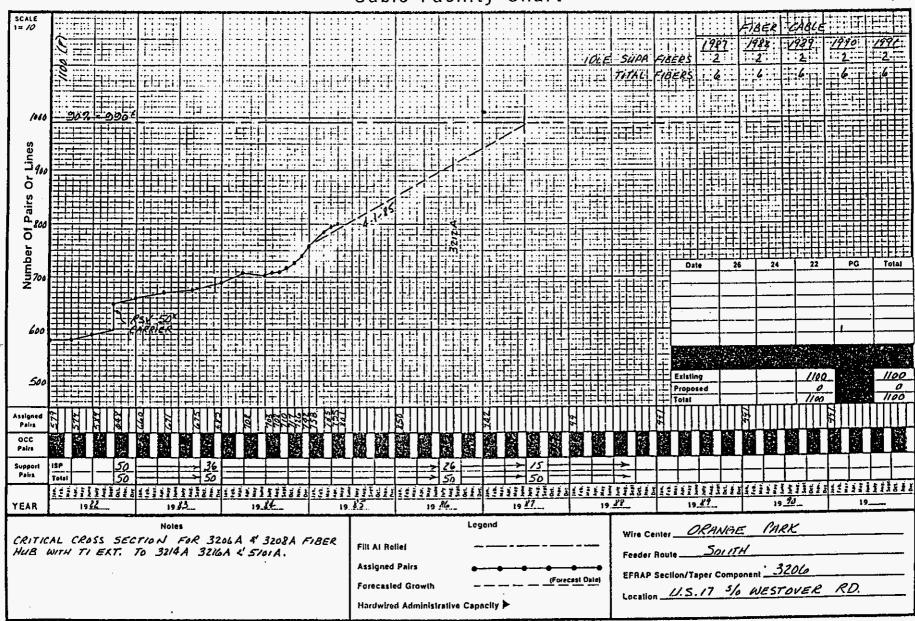
9208 9210 9212 9214 9216 SECTION: AVL PRS-17 AVL PRS-22 AVL PRS-24 9999 99999 99999 9999 AVL FRS-25 9999 99999 99999 9799 9799 TOTAL 39996399996399996 39996 39996 ASN PRS-19 ASN PRS-22 33 ASN PRS-24 0 ASN PRS-26 0 33 TOTAL 0.00 0.00 0.00 XFILL 0.00 CUM 1985-19 Ó 0 70 CUM 1985-22 ٥ CUH 1985-24 ٥ ٥ ٥ CUM 1965-24 ٥ 70 TOTAL 0.00 0.00 0.00 XFILL 0.00 CUM 1986-19 160 CUM 1986-22 ٥ CUM 1986-24 ٥ 0 CUH 1986-26 TOTAL Q ¢ 100 0.00 XFILL 0.00 0.00 0.00 CUH 1997-19 4 130 ٥ CUM 1987-22 CUH 1987-24 . 9 ٥ 11 ٥ 0 0 CUM 1987-26 ٥ TOTAL 11 ٥ 130 5 XFILL 0.00. 0.00 0.00 0.00 CUH 1990-19 202 50 62 CUH 1990-22 0 0 ٥ ٥ CUH 1990-24 72 CUM 1990-26 ٥ 92 202 50 ٠62 TOTAL ٥ 0.00 0.00 0.00 XFILL 0.00

PAGE 1

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~ ~ ~							
BEC.	TION:	9208	9210	9212	9214	9216	
CUH	1995-19	0	0	0	0	Ö	
NUC	1995-22	0	0	322	150	197	•
CUH	1995-24	292	٥	0	٥	0	
HUC	1995-26	٥	٥	0	٥	٥	
	TOTAL	292	0	322	150	197	
	XFILL	0.01	0.00	0.00	0.00	0.00	•
หบะ	2000-19	٥	٥	٥	0	٥	
MUC	2000-22	0	0	442	270	347	
אעכ	2000-24	532	. 0	0	0	0	
NUC	2000-24	0	0	0	0	. 0	
	TOTAL	532	0	442	270	347	
	XFILL	0.01	0.00	0.00	0.01	0.01	
UM	2004-19	0	٥	٥	0	0	
	2004-22	G	ō	450	278	359	
	244		Ĭ.				

PAGE 2

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#### P43836

#### ORANGE PARK - SOUTH ROUTE

#### EXCHANGE FIBER REQUIREMENTS - STUDY AND RECOMMENDATIONS

#### STUDY DESCRIPTION

The study evaluates the advantages of placing 6 single mode fibers now in conjunction with the proposed B.S.C.N. trunk fiber cable and implementing Fiber/SLC in 1987 versus the continued use of Copper/SLC.

#### METHOD

The E.A.S.O.P. Program was used for this study.

#### Plan 1

Fiber/SLC Plan - Reflects the placement of 6 single mode fibers in 1986 in conjunction with the BSCN trunk fiber cable and the implementation of Fiber/SLC in 1987. This plan will utilize a concrete hub at 3208A with T-1 extensions for remote terminal cabinets 3214A, 3216A, and 5101A.

#### Plan 2

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Copper/SLC Plan - Reflects the continued use of existing copper and placement of SLC-96 remote terminal cabinets for route relief.

#### Common to both plans

Central office terminals

Common and channel unit plug-ins

Hardware for sites 3206A, 3212A, 3214A, 3216A, and 5101A 1014 1014 1014

Digital line from C.O. to 3206A and 3212A

Digital line from 3208A to 3214A, 3216A, and 5101A

#### STUDY ANALYSIS AND RECOMMENDATIONS

1. Economic comparison of Plans:

	Present worth of Expenditures
Plan 1 - Fiber/SLC Plan	\$254,279
Plan 2 - Copper/SLC Plan	\$255,275

#### 2. Recommendations:

Place 6 single mode fibers in 1986 for exchange requirements in conjunction with B.S.C.N. trunk fiber cable. Fiber/SLC will be implemented in 1987.

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P 99
PROB:FIBER/SLC VS COPPER/SLC ORPK SOUTH
1985,SID
PLAN: FIBER/SLC
1986, MAY
85C, LGCA, SM-L, 6, 24900
CSTA=0
1987, JUL
10C, SLC, 96, HFTY, 1
10C, SLC, 96, HTST, 1
10C, SLC, 96, LAND, 4000
857C,RT,ST,TERM,1
857C, STRN, FIBR, TERM, 1
857C,DS3,SLC,MUX,2
857C, DS2, LI-2, MUX, 3
57C, SLC, 96, RTFM, 1
1990, JAN
1992, JUL
1995, JAN
1997, JUL
2000, JAN
2002, JUL
2005, JAN
57C, SLC, 96, RTFM, 1
1991, JAN
1996, JAN
2001, JAN
2006, JAN
857C, DS2, LI-2, MUX, 3
PLAN: COPPER/SLC
1987, JUL
4C, MH, APP, CASE, 4
5M, CA, TRN, POTS, 50
SM, CA, COND, UG, 50
10C,SLC,96,80CB,1
57C,SLC,96,80CB,1
57C, SLC, 96, RTCB, 1
57C, SLC, 96, AFCS, 4
57C, SLC, 96, REPT, 100
1990, JAN
1992, JUL
1995, JAN
1997, JUL
2000, JAN
2002, JUL
2005, JAN
57C, SLC, 96, RTCB, 1
1991, JAN
1996, JAN
2001, JAN
MAL + 6005
5M, CA, TRN, POTS, 50
5M, CA, COND, UG, 50
57C, SLC, 96, APCS, 4
57C, SLC, 96, REPT, 100
EOF:
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Next = >STUDY

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EASOF =

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EASOP ISSUE 4 - 4/22/83
CUCRIT VERSION 3.4102
FORMATTED UCDF LISTING Y OR N?
Y EASOP LISTING PROGRAM 4 - 4/22/83

USER COST DATA

UCDFBI.0

ACCT CODE	ID-1	ID-2	ID-3	UNIT MEAS	ACCOUNT CODE DESCRIPTION	COSTA	COSTB	COST DI REMOVAL	
									-
<b>.</b> 4	НН	APP	CASE	EA	MANHOLE	18000		0	0
5	CA	COND	UG	EΑ	CONDITIONING	100		0	0

ACCT						ANNUAL	IRS		OTHR	INFL
CODE	ID-1	ID-2	ID-3	SALV-1	SALV-2	MTCE	CLS	LIFE	TAX	RATE
4	нн	APP	CASE	0	0	20	15P	60	.01	.10
5	CA	COND	បឲ	0	0	0	15F	1	.01	.10

RUN PROBLEM Y OR N?

APR 10, 1985

CDM FILE ECOST8.5 UCD FILE UCDFBI.0 PR FILE SOPPMM.0

STUDY DATE
JAN. 1, 1985

COST OF MONEY
.1525

INFLATION FACTOR

.08

PLAN: FIBER/SLC

FIRST YEAR IFC FIRST YEAR M&R FIRST YEAR REVENUE TOTAL PWE

0 0 254279 *****

PLAN: COPPER/SLC

FIRST YEAR IFC FIRST YEAR M&R FIRST YEAR REVENUE TOTAL FWE 0 0 255275

#### APR 10, 1985

CDM FILE ECOST8.5 UCD FILE UCDF81.0 PR FILE SOPPMM.0

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PLAN:	FIBER/SLC					
	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR	5
IFC	0	26892	149293	0		0
M&R	*0	0	0	0		0
REV	0	0	0	0		0
PLAN:	COPPER/SLC					
	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR	5
IFC	0	0	135294	0		0
M&R	0	0	12200	0	र्क	0
RFU	0	0	0	0		0

CDM FILE ECOST8.5 UCD FILE UCDFBI.0 PR FILE SOPPMM.0

7/87 57 C 80-TYPE CAB-2SYS EA

C APPARATUS CASE

7/87 57 C RT CAB MTD EQP

7/87 57

****************** DETAIL REPORT FOR FIBER/SLC VS COPPER/SLC ORPK SOUTH *********************************** COST OF MONEY INFLATION FACTOR STUDY DATE JAN, 1, 1985 .08 .1525 IDENTIFIERS OR UNIT NO. OF RPT, DAT IFC, ACCT-UNITS PL OR SRC M&R OR MEAS FWE ACT DESCRIPTION DATE YNR REV CODE PLAN: FIBER/SLC FT 24900 26892 5/86 85 C SGLMD >.5DB 33655 7/87 10 C HEFTY HUT EΑ 1 С 23196 29316 7/87 10 C HEF-MAX SITE FR EΑ 1 24808 24593 7/87 10 C LAND COST C 4962 EΑ 4000 4919 7/87 857 C LSCIT 1100 EΑ 1 1000 C 7/87 857 C STRN FIBRS TERM 1 100 199 C 7/87 857 C LM23-MULTIPLEXER EA 2 60000 54286 7/87 857 C LM12-LIST 2 C EΑ 3 25200 21992 7/87 57 C RT FRAME MTD EQP EA 1 C 9927 13630 1/90 57 C RT FRAME MTD EQP EA 1 10950 10927 7/92 57 C RT FRAME MTD EQP EA 12078 8779 1/95 7/97 1/ 0 7/ 2 1/5 1/91 857 C LM12-LIST 2 EA 3 - 6 25200 -13779 1/96 1/ 1 1/6 FIRST YEAR IFC = FIRST YEAR M&R = ' 0 FIRST YEAR REV = TOTAL PWE = 254279 **** PLAN: COPPER/SLC 7/87 4 C MANHOLE 91387 EΑ 4 CU 91372 7/87 5 M CABLE-TRN EΑ 50 C 6100 4227 7/87 5 M CONDITIONING EΑ 50 . បប 6100 4227 7/87 10 C 80-CAB SITE PREP EA £ 8683 8608 1

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C

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13236

12391

7442

8493

11030

INFLATION FACTOR

CDM FILE ECOSTB.5 -UCD FILE UCDFBI.0 PR FILE SOPPMM.0

STUDY DATE

COST OF MONEY

			1985	.1	525			•08	
	ACCT	-	IDENTIFIERS OF	R UNIT	NO. OF	RPT,	DAT	IFC,	
DATE	ACT CODE		DESCRIPTION	MEAS	UNITS	PL OR YNR		M&R OR REV	PWE
7/87	57	С	LINE REPEATER	EA	100		C	8273	10684
1/90	57	C	RT CAR MID EQP	EA	1		C	9368	9969
7/92	57	С	RT CAB MTD EQP	EA	1		C	10333	8038
1/95	•								
7/97									
1/ 0									
7/ 2			,						
1/ 5									
1/91	5	М	CABLE-TRN	EA	50		C	7985	3368
1/96			3						
1/1								•	
1/ 6									
1/91	5	M	CONDITIONING	EA	50		CU	7985	3368
1/96									
1/ 1									
1/ 6						۵			
	57	C	APPARATUS CASE	EA	4		C	12653	9321
1/96									
1/ 1								730	3773
1/6		_						'88	2429
	57	C	LINE REPEATER	EA	100		£	9490	7804
1/96									
1/ 1									
1/6									
	_+-		* VEAS 155	_					
			T YEAR IFC =	0		•			
			T YEAR M&R =	0					
	1 11	15	T-YEAR-REV	0	TOTAL	L PWE	=	255275	

Palatka, Florida May 6, 1985

Mr. J. C. Miller
District Staff Manager Engineering & Assignment
15JJ1 Southern Bell Tower
301 West Bay Street
Jacksonville, Florida 32201

Dear Jack:

This is to advise of exchange fiber requirements in the Orange Park, Green Cove Springs, and Penney Farms, exchange areas in the route of the proposed LATA/ operator services fiber optic trunk cable (Project 43836). Initial and two year exchange fiber requirements in the feeder routes affected by Project 43836 are as follows:

	Green Cov Springs R	e Green Cove T 1 Springs RT 4	Orange Pk. Route 3	Penney Farms Route 2	Penney Farms Route 4
Initial (7-1-86)	) 6	·12	6	6	. 0
7-1-87	<i>s</i> 0	0	0	0	0
7-1-88	0	0	0	0	0
	See Note	1 See Note 1&2	See Note 1	See Note 2	See Note 3

- Note 1 (6) Exchange fibers are proposed in each of these feeder routes based on economic analysis utilizing the E.A.S.O.P. (Economic Alternative Selection for Outside Plant) Study Program.
- Note 2 (6) Exchange fibers (classified as trunk) are proposed in Route 4 of Green Cove Springs and in Route 2 of Penney Farms for the purpose of replacing the Penney Farms Central Office with Fiber/SLC in October, 1986. The Fiber/SLC will be extended from the Green Cove Springs C.O. to a proposed Fiber Hub in Penney Farms.
- Note 3 Existing copper facilities in the Penney Farms west feeder route will be adequate to service Copper/SLC requirements for a 10 year period based on current forecasts.

The exchange fiber requirements referenced above will be added to the LATA/ operator services trunk fiber cables proposed on Project 43836.

Yours truly

District Manager -

Engineering & Assignment

JJG/eb

Palatka, Florida May 6, 1985

Mr. J. C. Miller
District Staff Manager Engineering & Assignment
15JJ1 Southern Bell Tower
301 West Bay Street
Jacksonville, Florida 32201

Dear Jack:

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	Green Cove Springs RT 1	Green Cove Springs RT 4	Orange Pk. Route 3	Penney Farms Route 2	Penney Farms Route 4
Initial (7-1-86	6	12	6	6	0
7-1-87	0	0	0	0	0
7-1-88	• 0	0	0	• 0	0
	See Note 1	See Note 1&2	See Note 1	See Note 2	See Note 3

- Note 1 (6) Exchange fibers are proposed in each of these feeder routes based on economic analysis utilizing the E.A.S.O.P. (Economic Alternative Selection for Outside Plant) Study Program.
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- Note 3 Existing copper facilities in the Penney Farms west feeder route will be adequate to service Copper/SLC requirements for a 10 year period based on current forecasts.

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Yours truly

District Manager -

Engineering & Assignment

JJC/eb

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010 DET SUM UNS DIS MCF
                                                    43836
020 WJAX N P43836
030 450 D '8450 ORANGE PARK EXCHANGE
040 NL CA-LIGHTGUIDE 24FIBER 6500 3.50 0
060 NL INNERDUCT 1.25 400 .28 .155
070 DC 5520 ·
090 EDA
100 45C D '845C GCS EXCHANGE
105 NL CA-LIGHTGUIDE 30FIBER 14400 4.23 0
110 NL CA-LIGHTGUIDE 24FIBER 15300 3.50 0
115 NL CA-LIGHTGUIDE 18FIBER 3000 2.74 0'
120 NL CA-LIGHTGUIDE 12FIBER 17200 2.04 0
130 DS. 5418
150 NL INNERDUCT 1.25 3660 .28 .155
160 NL INNERDUCT 1.00 1500 .23 .155
                                                      6314 workunte.
170 DC 57540
220 EBA
230 SC D 185C GCS EXCHANGE
240 NL CA-LIGHTGUIDE 30FIBER 5900 4.23 .119
245 NL CA-LIGHTGUIDE 24FIBER 1600 3.50 .119
250 NL CA-LIGHTGUIDE 18FIBER 7100 2.74 .119
260 88 3604
280 NL INNERDUCT 1.25 27400 .28 .178 -
300 EDA
310 770 D 'GCS EXCHANGE
320 DS 1923
340 EDA
350 45C D '845C PENNEY FARMS EXCHANGE
360 NL CA-LIGHTGUIDE 12FIRER 19300 2.04 0
375 NL CA-LIGHTGUIDE OFIBER 46600 1.33 0
390 OS 3156
405 NL INNERDUCT 1.00 6450 .23 .155
410 DC 57500
460 EDA
510 SC D '85C ORANGE PARK EXCHANGE
520 NL CA-LIGHTGUIDE 30FIBER 25200 4.23 .155 3906 ¥ 3,37 13/63
530 OS 8412
540 NL INNERDUCT 1.25 48200 .28 .178
                                               4579 × 3.37 $22911
550 E0A
560 770 B 'ORANGE PARK EXCHANGE
570 08 1201
580 EOA
590 120°D '211.1
600 NL HUT SITE-SEARCH 1 2000 0
610 EDA
420 SC D 'GCS WEST
630 ALBW 25 7100
635 CASE-COIL 824P-25-662CLS 1
640 D 982 150
650 D 983 150
660 D 984 150
.670 D 987 150
480 D 988 3
690 D 991 150
700 EBA
710 45C D 'GCS WEST
720 ALBW 25 20200 CDNT .26
725 CASE-COIL 824P-25-662CLS 4
730 B 982 200
740 B 983 200
750 D 984 200
                                                          F01B14Z 00788
740 D 987 200
```

770 D 988 4

790 E0A 800 45C D 'FF WEST 810 ALBW 25 19300 CONT .25 815 CASE-COIL 824F-25-662CLS 2 820 D 982 200 830 D 983 200 840 D 984 200 850 D 987 200 860 D 988 4 870 D 991 200 880 E0A

*FRN 0772/BGCOF,R

PRODUCTIVITY RATIO = 18.78

DATE 05/30/85 TIME 9.953

CONSTR	UCTION DETAILS		
WJAX N AUTHORIZATION NUMBER	P43836		
CLASS OF PLANT BURIED-CABLE-EXCH 5	FIELD CODE	·	·
ITEM DESCRIPTION	QUANTITY	UNIT FRICE	AMOUNT
MATERIAL			
CA-LIGHTGUIDE 24FIBER			
INNERDUCT 1.25 MATERIAL LOADING (TOTAL COST EXEMPT MATERIAL ( 62.0 WU X TOTAL MATERIAL		3.50 0.28	22750.00 112.00 5187.39 57.54 28106.93
PLACING LABOR TOTAL LABOR	62.00 WU	3.85	238.70 238.70
TOTAL CONTRACT ENGINEERING OTHER EXPENDITURES	62.00 WU	<b>/43</b> +22	5520.00 2679.65 54.73
TOTAL	÷		36600.00

R- 2 DATE 05/30/85 TIME 9.953

PRODUCTIVITY RATIO =

### CONSTRUCTION DETAILS

WJAX N AUTHORIZATION NUMBER	P 43836			
CLASS OF PLANT BURIED-CARLE-EXCH	FIELD CODE 845C GC			
ITEM DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT	
MATERIAL				
CA-LIGHTGUIDE 30FIBER	14400	4.23	60912.00	
CA-LIGHTGUIDE 24FIBER	14400	4+23		
CA-LIGHTGUIDE 18FIBER	15300	3.50	53550.00	
·	3000	. 2.74	8220.00	
CA-LIGHTGUIDE 12FIBER	17200	2.04	35088.00	
INNERDUCT 1.25	3660	0.28	1024.80	
INNERBUCT 1.00	1500	0.23	_345.0 <u>0</u>	
MATERIAL LOADING (TOTAL C		•	36108.82	
EXEMPT MATERIAL ( 6217.8		₹*	5770.12	
TOTAL MATERIAL			201018.74	
PLACING LABOR	799.8Q WU	3.85	3079.23	
SPLICING LABOR	5418.00 WU	3 <u>- 85</u>	20859.30	
TOTAL LABOR	7 %.		23938.53	
TOTAL CONTRACT			57540.00	
ENGINEERING	6217.80 WU	6.10	37928.59	
OTHER EXPENDITURES			74.14	
TOTAL			320500.00	l

18.78

5471

R- 3 DATE 05/30/85 TIME 9.953

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### CONSTRUCTION DETAILS

(E	WJAX N AUTHORIZATION NUMBER	P43836		
	CLASS OF PLANT UNDERGROUND-CABLE-EX	85C GC		
, ·	ITEM DESCRIPTION	YTITMAUD	UŅIT PRICE	ТИИОМА
	MATERIAL			
	CA-LIGHTGUIDE 30FIBER	5900	4.23	24957.00
(	CA-LIGHTĞUIDE 24FIBER	1600	3.50	5400,00
	CA-LIGHTGUIDE 18FIBER	7100	2.74	
(	INNERDUCT 1.25 MATERIAL LOADING (TOTAL COS EXEMPT MATERIAL (10218.6 WU	27400 - T X 0.227) X 0.392)	0.28	7672.00 13088.27 4005.69
•	TOTAL MATERIAL		S. Art	74776.96
t _e	PLACING LABOR SPLICING LABOR TOTAL LABOR	6614.60 WU 3604.00 WU		22291.20 12145.48 34436.68
(¢.	ENGINEERING OTHER EXPENDITURES	10218.60 WU	0.97	9912.05 74.31
	TOTAL			119200.00 🇸

#### R- 4 DATE 05/30/85 TIME 9.953

FRODUCTIVITY RATIO = 16.00

WJAX N AUTHORIZATION NUMBER	P43836		
CLASS OF PLANT COE-ELECTRONIC	FIELD CODE 77C	•	
ITEM DESCRIPTION	QUANTITY	UNIT PRICE	TNUOMA
MATERIAL LOADING (TOTAL COST TOTAL MATERIAL	X 0.050)		o. o.
SPLICING LABOR TOTAL LABOR •	1923.00 WU	3.37	6480.51 6480.51
ENGINEERING OTHER EXPENDITURES	1923.00 WU	0.97	1865.32 54.17
TOTAL			8400.00 V

R- 5 DATE 05/30/85 TIME 9.953

## CONSTRUCTION DETAILS

N XALW RETACTION NOTES	F43836			
CLASS OF FLANT BURIED-CABLE-EXCH	FIELD CODE 845C PF			
ITEM DESCRIPTION	QUANTITY	UNIT PRICE	TNUOMA	
MATERIAL				
CA-LIGHTGUIDE 12FIBER	10700	5.01	70770 00	
CA-LIGHTGUIDE &FIBER	19300	2.04	39372.00	
	46600	1.33	61978.00	
INNERDUCT 1.00	6450	0.23	1483.50	
MATERIAL LOADING (TOTAL COST			23332.92	
EXEMPT MATERIAL ( 4155.8 WU	X 0.928)		3856.54	
TOTAL MATERIAL		*	130022.96	
FLACING LABOR	999.75 WU	3.85	3849.04	
SPLICING LABOR	3156.00 WU	3.85	12150.60	
TOTAL LABOR	-		15999.64	
TOTAL CONTRACT			57500.00	
ENGINEERING	4155.75 WU	8,23	· · · · · · · · · · · · · · · · · · ·	
OTHER EXPENDITURES	1240770 40	0120	75.57	
TOTAL			237800.00	

PRODUCTIVITY RATIO = 18.78

#### R- 6 DATE 05/30/85 TIME 9.953

# CONSTRUCTION DETAILS

	WJAX N AUTHORIZATION NUMBER	F43836			
	CLASS OF PLANT UNDERGROUND-CABLE-EX	FIELD CODE 850 OP	•		
	ITEM DESCRIPTION	QUANTITY	UNIT PRICE	TNUOMA	
	MATERIAL				
	CA-LIGHTGUIDS 30FIBER  INNERDUCT 1.25 MATERIAL LOADING (TOTAL COST EXEMPT MATERIAL (20897.6 WU TOTAL MATERIAL		4.23 0.28	106596.00 13496.00 27246.87 8191.86 155532.73	
	PLACING LABOR SPLICING LABOR TOTAL LABOR	12485.60 WU 8412.00 WU	3.37 3.37	42076.47 28348.44 70424.91	
-	ENGINEERING OTHER EXPENDITURES	20897.60 WU	0.97	20270.68 71.68	
	TOTAL	•		246300.00	

PRODUCTIVITY RATIO = 16.00

R- 7 DATE 05/30/85 TIME 9.953

WJAX N AUTHORIZATION NUMBER	P43836	
CLASS OF PLANT COE-ELECTRONIC	FIELD CODE	
ITEM DESCRIPTION	QUANTITY UNIT PRICE	TNUOMA
MATERIAL LOADING (TOTAL C TOTAL MATERIAL	COST X 0.050)	0.
SPLICING LABOR TOTAL LABOR	1201.00 WU 3.37	4047.37 4047.37
ENGINEERING OTHER EXPENDITURES	1201.00 WU 0.97	1164.98 87.65
TOTAL		5300.00

#### R- 8 DATE 05/30/85 TIME 9.953

PRODUCTIVITY RATIO =

WJAX N AUTHORIZATION NUMBER	F43836		
CLASS OF PLANT AERIAL-CABLE-BLDG-EX	FIELD CODE 120 211.1		
ITEM DESCRIPTION	YTITMAUD	UNIT PRICE	ТИЙОМЯ
MATERIAL .			
HUT SITE-SEARCH MATERIAL LOADING (TOTAL COST TOTAL MATERIAL	1 T X 0.227)	2000.00	2000.00 453.80 2453.80
TOTAL LABOR		er er	٥.
OTHER EXPENDITURES			46.20
TOTAL	man and a second of		2500.00

R- 9 DATE 05/30/85 TIME 9.953

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# CONSTRUCTION DETAILS

	WJAX N AUTHORIZATION NUMBER	F43836		
	CLASS OF PLANT UNDERGROUND-CABLE-EX ITEM DESCRIPTION	FIELD CODE 5C GC QUANTITY	UNIT PRICE	AMOUNT
(:-	MATERIAL	7100	.0.51	3649.40
(	ALBW 25 0.355 MCF CASE-COIL 824F-25-662CLS	1	52.00	52.00
<b>(</b> -	TOTAL MAJOR ITEMS 0.355 M	CF	ę.	3701.40
<i>(</i>	MATERIAL LOADING (TOTAL COST EXEMPT MATERIAL ( 1793.5 WU	X 0.227) X 0.392)		839.85 703.06 5244.31
6	TOTAL MATERIAL PLACING LABOR SPLICING LABOR	1555.61 \ 237.90 \	มน 3.37 มน 3.37	5242.41 801.72 / 6044.13
(4)	TOTAL LABOR	1793.51	พบ 0.96	1721.77 89.80
C	OTHER EXPENDITURES			13100.00
	TOTAL			

COMPLEXITY RATIO = 26.68

PRODUCTIVITY RATIO = 16.00

\$/MCF =\$36901.41 MCF

R- 10 DATE 05/30/85 TIME 9.953

## CONSTRUCTION DETAILS

WJAX N AUTHORIZATION NUMBER	F43836		
CLASS OF FLANT BURIED-CABLE-EXCH	FIELD CODE		
ITEM DESCRIPTION	QUANTITY	UNIT PRICE	ТИЏОМА
MATERIAL		·	
ALBW 25 1.010 MCF	20200	0.51	10382.80
CASE-COIL 824P-25-662CLS	4	52.00	208.00
TOTAL MAJOR ITEMS 1.010 MC	F		10590.80
MATERIAL LOADING (TOTAL COST : EXEMPT MATERIAL ( 173.2 WU X TOTAL MATERIAL			2403.05 160.69 13154.54
PLACING LABOR SPLICING LABOR TOTAL LABOR		3.85 3.85	
TOTAL CONTRACT ENGINEERING OTHER EXPENDITURES	173.16 WU	15.91	5252.00 2754.98 71.81
TOTAL			21900.00 1

COMPLEXITY RATIO = 0.91

PRODUCTIVITY RATIO = 18.78

\$/MCF =\$21683.17 MCF

#### R- 11 DATE 05/30/85 TIME 9.953

#### CONSTRUCTION DETAILS

W XAKW AUTHORIZATION NUMBER	F43836		
CLASS OF PLANT BURIED-CABLE-EXCH	FIELD CODE 45C PA		
ITEM DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT
MATERIAL			
ALBW 25 0.965 MCF CASE-COIL 824P-25-662CLS	19300	0.51	9920,20
• • • • • • • • • • • • • • • • • • •	2	52.00	104.00
TOTAL MAJOR ITEMS 0.965 MC	F		10024.20
MATERIAL LOADING (TOTAL COST ) EXEMPT MATERIAL ( 152.7 WU X TOTAL MATERIAL			2274.49 141.69 12440.38
 PLACING LABOR SPLICING LABOR TOTAL LABOR	20.48 WU 132.20 WU	3.85 3.85	78.85 508.97 587.82
TOTAL CONTRACT ENGINEERING OTHER EXPENDITURES	152.68 WU	16.50	4825.00 2519.23 27.57
TOTAL			20400.00

COMPLEXITY RATIO = 0.84

PRODUCTIVITY RATIO = 18.78

\$/MCF =\$21139.90 MCF

R- 12 DATE 05/30/85 TIME 9.953

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#### SUMMARY SHEET AUTH NO.P43836

	GROSS	FLANT		COST OF	-KIAM
CLASS OF PLANT	ADDS	RETIRED	SALVAGE	REMOVAL	TENANCE
AERIA-CABLE-BLDG	2500	0	0	O	O
UNDERGROUND-CABL	378600	0	0	0	0
BURIED-CABLE	637200	0	0	0	0
COE-ELECTRONIC	13700	0	0	0	. 0
	1032000	0	0	0	0

TOTAL 2.330 MCF \$/MCF=\$442918.45

TOTAL CONTRACT \$130637.00

TOTAL WORK UNITS 22578.8 24216.3 0.

GROSS EXPENDITURES \$ 1032000.
NET REQUIREMENTS \$ 1032000.
NET ADDITIONS \$ 1032000.

DATE 05/30/85 TIME 9.953

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## MCF DETAIL SHEET

#### P43836

TNUONA			MC	F
SHEATH FT	TY	YPE	PIC	FULF
		- <b></b>		
7100	ALBW	25	0.355	
20200,	ALBW	25	1.010	
19300	ALBW	25	0.945	
46600			2.330	0.

```
010 DET SUM UNS DIS MCF
020 WJAX N P43836
030 45C D '845C DRANGE PARK EXCHANGE 3,50
040 NL CA-LIGHTGUIDE 24FIBER 6500 4-68 0
060 NL INNERDUCT 1.25 400 .28 .155
070 DC 5520
090 EDA
100 45C D '845C GCS EXCHANGE
105 NL CA-LIGHTGUIDE 30FIBER 14400 5+70 0
110 NL CA-LIGHTGUIDE 24FIBER 15300 4-68 0 3,50
115 NL CA-LIGHTGUIDE 18FIBER 3000 3,64 0 2,74
120 NL CA-LIGHTGUIDE 12FIBER 17200 2.63 0 2.04
130 DS 5418
150 NL INNERDUCT 1.25 3660 .28 .155
160 NL INNERDUCT 1.00 1500 .23 .155
170 DC 57540
220 EDA
230 5C D '85C GCS EXCHANGE
240 NL CA-LIGHTGUIDE 30FIBER 5900 5.70 .119 3.50 245 NL CA-LIGHTGUIDE 24FIBER 1600 4.68 .119 3.50
250 NL CA-LIGHTGUIDE 18FIBER 7100° 3.44 .119 2.74
260 05 3604
280 NL INNERDUCT 1.25 27400 .28 .178
300 EDA
310 77C D 'GCS EXCHANGE
320 OS 1923
340 EOA
350 450 D '8450 FENNEY FARMS EXCHANGE 2009
360 NL CA-LIGHTGUIDE 12FIBER 19300-2-63 0
375 NL CA-LIGHTGUIDE 6FIBER 46600 1-63 0 //33
390 OS 3156
405 NL INNERDUCT 1.00 6450 .23 .155
410 OC 57500
460 EDA ~
510 50 D '850 ORANGE PARK EXCHANGE 4,23
520 NL CA-LIGHTGUIDE 30FIBER 25200 5.70 .155
530 DS 8412
540 NL INNERDUCT 1.25 48200 .28 .178
550 EDA
560 77C D 'ORANGE PARK EXCHANGE
570 OS 1201
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R	1	DATE	05/14/85	TIME	16,298
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- PRODUCTIVITY RATIO = -- 18.78 - -

WJAX N AUTHORIZATION NUMBER	£43836		
CLASS OF PLANT BURIED-CABLE-EXCH	FIELD CODE		
ITEM DESCRIPTION	YTITKAUD	UNIT FRICE	AMOUNT
MATERIAL			
CA-LIGHTGUIDE 24FIBER INNERDUCT 1.25 MATERIAL LOADING (TOTAL COST EXEMPT MATERIAL ( 62.0 WU ) TOTAL MATERIAL		4.68 0.28	30420.00 112.00 6927.71 57.54 37517.25
PLACING LABOR TOTAL LABOR	62.00 WU	3.85	238.70 238.70
TOTAL CONTRACT ENGINEERING OTHER EXPENDITURES	62.00 WU	43.22	5520.00 2679.65 44:40
TOTAL			46000.00

## R- 2 DATE 05/14/85 TIME 16.298

	WJAX N AUTHORIZATION NUMBER	F43836			
		FIELD CODE 845C 6CS			
	ITEM DESCRIPTION	QUANTITY	UNIT PRICE	ТИПОНЯ	
	MATERIAL				
	CA-LIGHTGUIDE 30FIRER	1 4 4 5 5	E 70	00000 00	
	CA-LIGHTGUIDE 24FIBER	14400	5.70	82080.00	
		15300	4.68	71604.00	
	CA-LIGHTGUIDE 18FIBER	3000	3.64	10920.00	
	CA-LIGHTGUIDE 12FIBER		•		
		17200		45236.00	
	INNERDUCT 1.25	3660		1024.80	
	INNERDUCT 1.00	1500	0.23	345.00	
	MATERIAL LOADING (TOTAL COST EXEMPT MATERIAL ( 6217.8 WU		*	47923.50 5770.12	
	TOTAL MATERIAL	X 0+7287	ug.	264903.43	
	TOTAL MATERIAL			204703.43	
	PLACING LABOR	799.80 WU	3,85	3079.23	
	SPLICING LABOR	5418.00 WU	3.85		
	TOTAL LABOR			23938.53	
•	TOTAL CONTRACT	e e e e e e e e e e e e e e e e e e e	•	57540+00	
	ENGINEERING	6217,80 WU	6.10	37928.59	
	OTHER EXPENDITURES			`89.46	
	TOTAL	•		384400.00	L
	PRODUCTIVITY RATIO = 18.78	·			
	1 WORDCITATIO WHITO = 18.\8		•		

## R- 3 DATE 05/14/85 TIME 16.298

## CONSTRUCTION DETAILS

W XALW AUTHORIZATION NUMBER	F43836			
CLASS OF FLANT UNDERGROUND-CABLE-EX	FIELD CODE 85C GCS			
ITEM DESCRIPTION	QUANTITY	UNIT PRICE	TNUOMA	
MATERIAL				
CA-LIGHTGUIDE 30FIBER	5000	F 70	77/70 00	
CA-LIGHTGUIDE 24FIBER	5900	5.70	33630.00	
CA-LIGHTGUIDE 18FIBER	1600_	4.68	7488.00	
	7100	3.64	25844.00	
INNERDUCT 1.25	27400	0.28	7672.00	
MATERIAL LOADING (TOTAL CO			16934.45	
EXEMPT MATERIAL (10218.6 )	WU X 0.392)		4005,69	
TOTAL MATERIAL		1	95574.14	
PLACING LABOR	6614.60 WU	3 <b>.37</b>	22291.20	
SFLICING LABOR	3604.00 WU	3.37	12145.48	
TOTAL LABOR	•		34436.68	
and the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second o	State States			
ENGINEERING	10218.60 WU	0.97		
OTHER EXPENDITURES			77.13	
TOTAL				
TOTAL	•		140000.00	4
	•		-	

PRODUCTIVITY RATIO = 16.00 -

(-

## R- 4 DATE 05/14/85 TIME 16.298

## CONSTRUCTION DETAILS

WJAX N AUTHORIZATION NUMBER	F43836		
CLASS OF PLANT COE-ELECTRONIC	FIELD CODE	÷	
ITEM DESCRIPTION	QUANTITY	UNIT PRICE	TNUOMA
MATERIAL LOADING (TOTAL COST TOTAL MATERIAL	X 0.050)		0. 0.
SFLICING LABOR TOTAL LABOR ,	1923.00 WU	3.37	6480.51 6480.51
ENGINEERING OTHER EXPENDITURES	1923.00 WU	0.97	1865.32 54.17
TOTAL		·	8400.00 L

PRODUCTIVITY RATIO = 16.00

## R- 5 DATE 05/14/85 TIME 16.298

AUTHORIZATION NUMBER	F43836			
	FIELD CODE 845C			
ITEM DESCRIPTION	QUANTITY	UNIT PRICE	ТИВОМА	
MATERIAL				
CA-LIGHTGUIDE 12FIBER				
CA-LIGHTGUIDE* SFIBER	19300	2.63	50759.00	
INNERBUCT 1.00	46500 6450	1.63	75958.00 1483.50	
MATERIAL LOADING (TOTAL COST	X 0.227)		29088.69	
EXEMPT MATERIAL ( 4155.8 WU ) TOTAL MATERIAL	X 0.928)		3856.54 161145.73	`
PLACING LABOR	999.75 WU	" 3∙85	3849.04	
SPLICING LABOR	3156.00 WU	3.85	12150,60	
TOTAL LABOR			15999.64	
TOTAL CONTRACT	•		57500.00	
ENGINEERING	4135.75 WU	8,23	34201.83	
OTHER EXPENDITURES			.52,80	
TOTAL			268900.00	

## R- 6 DATE 05/14/85 TIME 16.298

	WJAX N AUTHORIZATION NUMBER	F	P43836						
		8 5 8 5	FIELD C	ODE O	P				
	ITEM DESCRIPTION	C	RUANTIT	ſY		TINU	PRICE	AMOUNT	
	MATERIAL								
	CA-LIGHTGUIDE, 30FIBER		25200				5.70	143640.00	
	INNERDUCT 1.25 MATERIAL LOADING (TOTAL COST EXEMPT MATERIAL (20897.6 WU ) TOTAL MATERIAL		48200 X 0.227)		0.28	13496.00 35654.16 8191.86 200982.02			
	PLACING LABOR SPLICING LABOR TOTAL LABOR		12485. 8412.			:	3.37 3.37	42076.47 28348.44 70424.91	
-	ENGINEERING OTHER EXPENDITURES		20897	.60 (	MU		0.97	20270.68 22.39	
	TOTAL		•	-				291700.00	_

## R- 7 DATE 05/14/85 TIME 16.298

PRODUCTIVITY RATIO = 16.00

WJAX N AUTHORIZATION NUMBER	F43836			
CLASS OF PLANT COE-ELECTRONIC	FIELD CODE 77C			
ITEM DESCRIPTION	TIMU YTITKAUD	PRICE	AMOUNT	
MATERIAL LOADING (TOTAL COST ) TOTAL MATERIAL	X 0.050)		o.	
SPLICING LABOR TOTAL LABOR	1201.00 WU	3.37	4047.37 4047.37	
ENGINEERING OTHER EXPENDITURES	1201.00 WU	0.97	1164.98 87.65	
TOTAL			5300.00	/

## R- 8 DATE 05/14/85 TIME 16.298

WJAX N AUTHORIZATION NUMBER	F 43836		
CLASS OF FLANT AERIAL-CABLE-BLDG-EX	FIELD CODE		
ITEM DESCRIPTION	QUANTITY	UNIT PRICE	TNUOMA
MATERIAL			
HUT SITE-SEARCH MATERIAL LOADING (TOTAL TOTAL MATERIAL	1 COST X 0.227)	2000.00	2000.00 453.80 2453.80
TOTAL LABOR			0.
OTHER EXPENDITURES			46.20
TOTAL		\$ -\$	2500.00
PRODUCTIVITY RATIO =	6.59		•

#### R- 9 DATE 05/14/85 TIME 16.298

A ...

#### CONSTRUCTION DETAILS

WJAX N AUTHORIZATION NUMBER	F43836	,	
CLASS OF FLANT UNDERGROUND-CABLE-EX	FIELD CODE 5C		
ITEM DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT
HATERIAL			
ALBW 25 0.355 MCF CASE-COIL 824F-25-662CLS	7100	0.51	3649.40
CH3E-CDIE 0248-23-002023	1	52.00	52.00
TOTAL MAJOR ITEMS 0.355 MC	F		3701.40
MATERIAL LOADING (TOTAL COST EXEMPT MATERIAL ( 1793.5 WU X TOTAL MATERIAL		y \$	839.85 703.06 5244.31
PLACING LABOR SPLICING LABOR TOTAL LABOR	1355.61 WU _237.90 WU	3.37 3.37	5242.41 801.72 6044.13
ENGINEERING OTHER EXPENDITURES	1793.51 WU	0.96	1721.77 89.80
TOTAL			13100.00

COMPLEXITY RATIO = 26.68

PRODUCTIVITY RATIO = 16.00

\$/MCF =\$36901.41 MCF

R- 10 DATE 05/14/85 TIME 16.298

## _ CONSTRUCTION DETAILS

WJAX N AUTHORIZATION NUMBER	F43836			
	FIELD CODE 45C			
ITEM DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT	
MATERIAL				
ALBW 25 1.010 MCF CASE-COIL 824F-25-662CLS	20200	0.51	10382.80	
	4	52.00	208.00	
TOTAL MAJOR ITEMS 1.010 MCF	=	<b>∌</b>	10590.80	
 MATERIAL LOADING (TOTAL COST ) EXEMPT MATERIAL ( 173.2 WU X TOTAL MATERIAL			2403.05 160.69 13154.54	
PLACING LABOR SPLICING LABOR TOTAL LABOR	. 40.96 WU 132.20 WU	3.85 3.85	. 157.70 508.97 666.67	
TOTAL CONTRACT ENGINEERING OTHER EXPENDITURES	173.16 WU	15.91	5252.00 2754.98 71.81	
TOTAL			21900.00	4
		· · · · · · · · · · · · · · · · · · ·	•	

COMPLEXITY RATIO = 0.91

PRODUCTIVITY RATIO = 18.78

--- \$/MCF =\$21683.17 MCF

R- 11 DATE 05/14/85 TIME 16.298

#### CONSTRUCTION DETAILS

WJAX N AUTHORIZATION NUMBER	F43836		
<del></del>	FIELD CODE 45C		·
ITEM DESCRIPTION	QUANTITY	UNIT FRICE	ТИЏОМА
MATERIAL		•	
ALBW 25 0.965 MCF	19300	⁸ 0.51	9920.20
CASE-COIL 824P-25-662CLS	2	52.00	104.00
TOTAL MAJOR ITEMS 0.965 MC	F		10024.20
MATERIAL LOADING (TOTAL COST EXEMPT MATERIAL ( 152.7 WU X TOTAL MATERIAL			2274.49 141.69 12440.38
PLACING LABOR SPLICING LABOR TOTAL LABOR	20.48 มูป 132.20 พบ	3.85 3.85	
TOTAL CONTRACT ENGINEERING OTHER EXPENDITURES	152.68 WU	16.50	4825.00 2519.23 27.57
TOTAL			20400.00

COMPLEXITY RATIO = 0.84

PRODUCTIVITY RATIO = 18.78

\$/MCF =\$21139.90 HCF

F01B14Z 00814

R- 12 DATE 05/14/85 TIME 16.298

> •:

#### SUMMARY SHEET AUTH NO.F43836

_	GROSS	PLANT		COST OF	MAIN-
CLASS OF FLANT	ADDS	RETIRED	SALVAGE	REMOVAL	TENANCE
AERIA-CABLE-BLDG	2500	0	0	0	0
UNDERGROUND-CABL	444800	0	0	0	0
BURIED-CABLE	741600	0	0	0	0
COE-ELECTRONIC	13700	0	0	0	0
	1202600	0	0	0	0

TOTAL 2.330 MCF \$/MCF=\$516137.34

TOTAL CONTRACT \$130637.00

PLAC SPLIC REMOVAL TOTAL WORK UNITS 22578.8 24216.3 0.

GROSS EXPENDITURES \$ 1202600.

NET REQUIREMENTS \$ 1202600.

NET ADDITIONS \$ 1202600.

DATE 05/14/85 TIME 16.298

#### MCF DETAIL SHEET

## P43836

TNUOMA		MCF			F
SHEATH FT		TYPE		PIC	PULP
7100		ALBW	25	0.355	
20200		ALRW	25	1.010	
19300	•	ALBW	25	0.965	
46600				2.330	0.

UTILITY PERMIT
(In compliance with Chapter 338, Florida Statutes)

Ref: EV4536

REVIEW 5/1/4/2

2 Ju 52 52

ATE.	OCTOBER 2, 1985	PERMIT NU	MBEH 204 3-8-
	CT: Section 71020 State Road	15	County CLAY
ERMI	TTEE: SOUTHERN BELL TELEPHONE COMPANY	<u> </u>	<u> </u>
nnes	410 HIGHWAY 19 SOUTH, PALATKA, FLOR		Telephone Number 904-325-900
eques Izintai	ting permission from the State of Florida Department of Transport  BURIED TELEPHONE FACILITIES ALONG S.R. 15	tation, hereinafter calle FROM S.R. 220 J	d the Department, to construct, operate an CO GOVERNORS CREEK BRIDGE
	AS SHOWN ON THE ATTACHED DRAWING.		
om Mi	P/Station = 0.301° -	to MP/Station 8	. 962
1.	Proposed work is within corporate limits of a municipality.  Name of Municipality	Yes ( ) No	(x)
2.	Applicant declares that prior to filing this application he has asce	rtained the location of	all existing utilities, both aerial and under-
	ground and the accurate locations are shown on the sketches.		
	A letter of notification was mailed on OCTOBER 2, 1985 JACKSONVILLE ELECTRIC AUTHORITY	to the following ut	ilities/municipalities.
	CLAY VIDEO		
3.	Interstate right-of-way is involved. Yes ( ) No (	X)	·
•	It is expressly stipulated that this permit is a license for permissiv		placing of facilities upon public property
×	pursuant to this permit shall not operate to create or vest any pro		
5.	Whenever it is determined by the Department that it is necessary		
	efficient operation, alteration, or relocation of all, or any portion		
	modification, or safe and efficient operation and maintenance of immediately removed from said highway or reset or relocated the		
	nemittee uniese reimburgement is authorized	•	
6.	All work shall meet Department standards and be performed und	ler the supervision of _	MR. R. L. JOHNS
	Maintenance or Resident Engineer, located at JACKSONVILLE	Florida, Teleph	one Number 904-786-2510
7.	All materials and equipment shall be subject to inspection by the	Maintenance or Reside	ent Engineer.
8.	All Department property shall be restored to its original condition a manner satisfactory to the Department.		
9.	All installations shall conform to the Department's Utility Accon	nmodation Guide in ef	fect the date permit is approved.
10.	A sketch covering details of this installation shall be made a part	of this permit.	
٠.	The permittee shall commence actual construction in good faith	within <u>60</u> days from	the day of said permit approval and shall termit approval, then permittee must revie



UTILITY PERMIT

(In compliance with Chapter 338, Florida Statutes)

φ. `\	December 6, 1985 PERM	IIT NUMBER 234 5299		
( (	CT: Section 71050 State Road 16	County Clay		
SUBJE	CT: Section State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road State Road _	County		
PERMI	TTEE: Southern Bell Tel. & Tel. Company			
, A 21	ESS: 319 Main StreetPalatka, Florida 32077	904- Telephone Number <u>325</u> -900	19	
Reques maintai	sting permission from the State of Florida Department of Transportation, hereinafte	er called the Department, to construct, operate	an	
• (	the attached drawings.			
M ma	10. 468 to MP/Station	22.563		
	Proposed work is within corporate limits of a municipality. Yes (x)  Name of Municipality Green Cove Springs and Penney Farms	No ( )		
2.	tion of all existing utilities, both serial and und	-19		
ground and the accurate locations are shown on the sketches.  A letter of notification was mailed on December 6, 1985 to the following utilities/municipalities.				
	Florida Power & Light Company			
	Clay Electric Co-op. City of Green Cove Springs			
	City of Penney Farms			
1 1	Interstate right-of-way is involved. Yes ( ) No (x)			
4.	4. It is expressly stipulated that this permit is a license for permissive use only and that the placing of facilities upon public property pursuant to this permit shall not operate to create or vest any property right in said holder.			
<b>5</b> .	Whenever it is determined by the Department that it is necessary for the construct	no noicer. tion, repair, improvement, maintenance, safe a	nci	
•	efficient operation, alteration, or relocation of all, or any portion of such highway	y, or that it is necessary for the construction,		
	modification, or safe and efficient operation and maintenance of any public trans- immediately removed from said highway or reset or relocated thereon as required permittee unless reimbursement is authorized.	portation facility, any and all facilities shall be by the Department, all at the expense of the		
6.	All work shall meet Department standards and be performed under the supervision	n of Mr. R. E. Johns		
	Maintenance or Resident Engineer, located at <u>Jacksonville</u> Florida, T	Felephone Number <u>904-786-2510</u>		
7.	All materials and equipment shall be subject to inspection by the Maintenance or	Resident Engineer.		
. <b>8.</b>	All Department property shall be restored to its original condition as far as practic in a manner satisfactory to the Department.	cal, in keeping with Department specifications,	and	
1 9.	All installations shall conform to the Department's Utility Accommodation Guide	in effect the date permit is approved.		



Palatka, Florida March 24, 1986

Ref: 'Permit Number 2JU5252

State of Florida Department of Transportation Mr. Don Drury 838 Ellis Road Jacksonville, Florida 32205

Dear Mr. Drury:

Attached are three copies of a revised permit drawing indicating boring and jacking 34 feet of 4" black iron pipe under the south bound lane of State Road 15 south of the Black Creek Bridge as we discussed on March 24, 1986.

If additional information is required please call T. R. Herb at 325-9009.

Yours truly

Engineering Manager-Distribution

TRB/sa

Attachments

EV4536

*FORM 812-03

Jel JETATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

# UTILITY PERMIT (In compliance with Chapter 338, Florida Statutes)

DATE December 6, 1985	PERMIT NUMBER 2 Ju .5301
SUBJECT: Section 71110 State Ro	ad 21 County Clay
- AITTEE: Southern Bell Tel. & Tel. Company	•
ADDRESS: 319 Main StreetPalatka, Florida 32	
questing permission from the State of Florida Department of Transp Buried telephone facilities along S.1	ortation, hereinafter called the Department, to construct, operate and 21 from S.R. 16 to a point south of
Dade Road as shown on the attached di	
- MP/Sestion 19.443	_ to MP/Station
1. Proposed work is within corporate limits of a municipality.  Name of Municipality	Yes ( ) No (x)
<ol> <li>Applicant declares that prior to filing this application he has as ground and the accurate locations are shown on the sketches.</li> <li>A letter of notification was mailed on <u>December 6</u>, 1985 Florida Power &amp; Light</li> </ol>	certained the location of all existing utilities, both aerial and under- to the following utilities/municipalities.
<i>i</i> -	
3. Interstate right-of-way is involved. Yes ( ) No	
4. It is expressly stipulated that this permit is a license for permits pursuant to this permit shall not operate to create or vest any permit is a license for permits.	ive use only and that the placing of facilities upon public property
Whenever it is determined by the Department that it is necessa	y for the construction, repair, improvement, maintenance, safe and
<ul> <li>efficient operation, alteration, or relocation of all, or any portion modification, or safe and efficient operation and maintenance</li> </ul>	on of such highway, or that it is necessary for the construction, of any public transportation facility, any and all facilities shall be necessary for the expense of the
6. All work shall meet Department standards and be performed up	der the supervision of Mr. R. E. Johns
Maintenance or Resident Engineer, located at <u>Jacksonvill</u>	Florida, Telephone Number 904-786-2510
7. All materials and equipment shall be subject to inspection by the	e Maintenance or Resident Engineer.
In a manner satisfactory to the Department,	on as far as practical, in keeping with Department specifications, and

H. C. Isgette Engineering Manager-Distribution

Southern Bell

319 Main Street

Palatka, Florida October 25, 1985

Ref: EV4536

Mr. Don Drury Department of Transportation 838 Ellis Road Jacksonville, Florida 32205

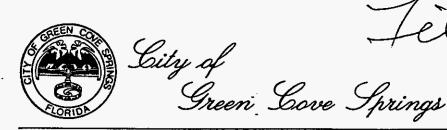
Dear Mr. Drury:

Attached is the revised drawing detailing our proposed fiber handhole placement as you requested. This drawing is associated with our request for permission to place buried telephone facilities along State Road 15 from State Road 220 south to Governor's Creek Bridge.

Engineering Manager-

Distribution

TRH/sta



Tel Congress

(904) 284-5621

229 Walnut Street

Green Love Springs, Florida 32043

December 19, 1985

Southern Bell Telephone Company 410 Hwy 19 South Palatka, FL 32077

ATTN: MR. T. R. HERB

Dear Mr. Herb:

Please accept this correspondence as approval of your request for permit #EV4536 to construct and maintain buried telephone facilities on the City's right-of-way along State Road 16 from Oakridge Avenue to State Road 21 as shown on your drawings.

Please contact my office when construction is to begin in order for locations of our water ans sanitary sewer service lines in the proposed construction area. We will cooperate with the telephone company in any manner possible relative to this matter.

We suggest that you contact Clay Video Cable Television for service locations in the same general area.

If you have any questions regarding this matter, please do not hesitate to call me at 904-284-9826 between the hours of 7:00 A.M. and 3:30 P.M., Monday thru Friday.

Sincerely,

CITY OF GREEN COVE SPRINGS

Public Works Director

RM:md

. STATE OF FLU (In compliance with Chapter 338, Florida Statutes) PERMIT NUMBER Clay County Telephone Number 325-9009 Department of Transportation, hereinafter called the Department, to construct, operate and the State of Florida Department of Transportation, hereinafter called the Department, to construct, operate and the State of Florida Department of Transportation, hereinafter called the Department, to construct, operate and the State of Florida Department of Transportation, hereinafter called the Department, to construct, operate and the State of Florida Department of Transportation, hereinafter called the Department, to construct, operate and the State of Florida Department of Transportation, hereinafter called the Department, to construct, operate and the State of Florida Department of Transportation, hereinafter called the Department, to construct, operate and the State of Florida Department of Transportation, hereinafter called the Department of S. R. 21 as shown in the State of Florida Department of Transportation, hereinafter called the Department of S. R. 21 as shown in the State of Florida Department of Transportation (S. R. 20). State Road -1985 16 from Oakridge Avenue to S.R. 21 as shown on CLAY ied telephone facilities along S.R. e attached drawings. to MP/Station ,904-325-9006 and the accurate locations are shown on the sketches. truct, operate and BRIDGE ant declares that prior to thing this opposite sketches, and the accurate locations are shown on the sketches. 1985 er of notification was mailed on December sistate right-or-way is involved. Yes ( ) no (X)
s expressly stipulated that this permit is a license for permissive use only and that the placing of facilities upon public property sexpressly stipulated that this permit is a license for permissive use only and that the placing of facilities upon public property sexpressly stipulated that this permit is a license for permissive use only and that the placing of facilities upon public property sexpressly stipulated that this permit is a license for permissive use only and that the placing of facilities upon public property is a sexpressly stipulated that this permit is a license for permissive use only and that the placing of facilities upon public property is a sexpressly stipulated that this permit is a license for permissive use only and that the placing of facilities upon public property are sexpressly stipulated that this permit is a license for permit and property are sexpressly stipulated that this permit is a license or year. rsuant to this permit shall not operate to create or vest any property right in said holder.

In this permit shall not operate to create or vest any property right in said holder.

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In this permit shall not operate to create or vest any property right in said holder.

In this permit shall not operate to cr I and underhenever it is determined by the Department that it is necessary for the construction, repair, improvement, maintenance, sare as ficient operation, or relocation of all, or any portion of such highway, or that it is necessary for the construction, and all facilities shall be relicion, or relocation of all, or any portion of such highway, or that it is necessary for the construction, and all facilities shall be relicion, or relocation of all, or any portion of such highway, or that it is necessary for the construction, and all facilities shall be relicion of such highway, or that it is necessary for the construction, and all facilities shall be relicion of such highway, or that it is necessary for the construction, and all facilities shall be relicion of all, or any portion of such highway, or that it is necessary for the construction, and all facilities shall be relicion. Micient operation, alteration, or relocation of all, or any portion of such highway, or that it is necessary for the construction, and all facilities shall be needed from safe and efficient operation and maintenance of any public transportation facility, any and all facilities shall be needed from safe and efficient operation and maintenance of any public transportation all at the expense of the model from safe highway or reset or relocated thereon as required by the Department, all at the expense of the model from safe highway or reset or relocated thereon as required by the Department, all at the expense of the model from safe highway or reset or relocated thereon as required by the Department. nodification, or sate and efficient operation and maintenance of any public transportation facility, any and all facilities shall be immediately removed from said highway or reset or relocated thereon as required by the Department, all at the expense of the permittee unless reimburgement is authorized. All materials and equipment shall be subject to inspection by the Maintenance or Resident Engineer.

Department shall be subject to inspection by the Maintenance or Resident Engineer.

Department shall be restored to its original condition as far as practical, in keeping with Department shall be restored to its original condition as far as practical, in keeping with Department or the Department to the Department. All work shall meet Department standards and be performed under the supervision of roperty permittee unless reimbursement is authorized. afe and on, II be

Maintenance or resident Engineer, located at Jacobs Williams of Resident Engineer.

All materials and equipment shall be subject to inspection by the Maintenance or Resident Engineer. Maintenance or Resident Engineer, located at Jacksony111e

in a manner satisfactory to the Department.

All installations shall conform to the Department's Utility Accommodation Guide in effect the date permit is approved.

A sketch envering details of this installation shall be made a part of this permit in a manner satisfactory to the Department.

The permittee shall commence actual construction in good faith within 60 days from the day of said permit approval and shall be 1/ by the permittee must review the completed within 60 days. If the beginning date is more than 60 days from date of permit approval, then permittee must review the completed within 60 days. If the beginning date is more than 60 days from the highway that would affect the permitted that the DOT Maintenance Engineer to make sure no change have occurred in the highway that would affect the permitted to make sure no change that the DOT Maintenance Engineer to make sure no change that the DOT Maintenance Engineer to make sure no change that the DOT Maintenance Engineer to make sure no change that the DOT Maintenance Engineer to make sure no change that the DOT Maintenance Engineer to make sure no change that the DOT Maintenance Engineer to make sure no change that the DOT Maintenance Engineer to make sure no change that the DOT Maintenance Engineer to make sure no change that the DOT Maintenance Engineer to make sure no change that the DOT Maintenance Engineer to make sure no change that the DOT Maintenance Engineer to make sure no change that the DOT Maintenance Engineer to make sure no change that the DOT Maintenance Engineer to make sure no change that the DOT Maintenance Engineer to make sure no change that the DOT Maintenance Engineer to make sure no change that the DOT Maintenance Engineer to make sure no change that the DOT Maintenance Engineer to make sure no change that the DOT Maintenance Engineer to make sure no change that the DOT Maintenance Engineer to make sure no change that the DOT Maintenance Engineer to make sure no change that the DOT Maintenance Engineer to make sure no change that the DOT Maintenance Engineer that the DOT Maintenance Engineer that the DOT Maintenance Engineer that the DOT Maintenance Engineer that the DOT Maintenance Engineer that the DOT Maintenance Engineer that the DOT Maintenance that the DOT Maintenance that the DOT Maintenance that the DOT Main completed within __hil_days. If the beginning date is more than 60 days from date of permit approval, then permittee must review it sometimes that would affect the permitted that the DOT. Maintenance Engineer to make sure no changes have occurred in the highway that would affect the permitted

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be w the ted

H. C. Isgette Engineering Manager -Distribution



Palatka, Florida March 6, 1986

Ref: Permit Number 2JU5299

State of Florida Department of Transportation Mr. Ed Ajoc 838 Ellis Road Jacksonville, Florida 32205

Dear Mr. Ajoc:

Attached are three copies of a revised permit drawing indicating cutting and restoring State Road 16 at Oakridge Avenue as we discussed on March 6, 1986.

If additional information is required please call T. R. Herb at 325-9009.

Engineering Manager Distribution

TRH/eb

Attachments

H. C. Isgette Engineering Manager-Distribution

# Southern Bell

319 Main Street

Palatka, Florida November 7, 1985

Ref: EV4536

Mr. Art Gandionco Department of Transportation 838 Ellis Road Jacksonville, Florida 32205

Dear Mr. Gandionco:

Attached are three copies of revised drawings associated with our request for permission to place buried telphone facilities along State Road 15 from State Road 220 south to Governor's Creek.

These drawings have been revised to reflect the following:

1. Bore & jack 4" PVC under existing culverts.

2. Direct pury splices eliminating fiber optic hand holes as originally proposed.

3. Cut & restore two asphalt driveways north of State Road 315.

If additional information is required please call T. R. Herb at 325-9009.

Yours truly,

Engineering Manager-Distribution

Attachments

(:-

	APPREVALS - ESTIMATE NO. F6643		
:	STATE/AREA: FLORIDA DIVISION: ORLANDO	DATE: 12/27/89	
:	DISTRICT: ORLANDO	PROJECT: 392105	
;	LOCATION: ORLD PINECASTLE	; ;	
:	TITLE: PL BSCN FIBER TO KEANEN	AREA NO.: 33332 ; SVILLE ;	
1 .e: :		; ;	
<u>:</u>	eross Expenditures \$1,571.071	! NET REQUIREMENTS \$1,871,07; ;	
		NET ADDITIONS ST.571,071	
 :		: AMOUNT TO BE BILLED : : TO OTHERS :	
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<b>.</b> .:: :::	TVPF FST1MATE SHORD TERM		
•	ORDER DUE START DATE 02/10/90 DATE 04/16/90		
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•	DISTRICT ENGINEER	; ;	
<b>.</b>		:	
:	ORERATIONS MANAGER	: VICE PRES(DENT - NECHORK :	
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1	GENERAL MANAGER	EXECUTIVE VIOF PHESIDENT	
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#### PROJECT 3G2105

This project proposes placing 285,050 feet of single mode 0.4db per kilometer buried fiber optic cable ranging in size from six to forty-eight fibers and 31,537 feet of 50 pair buried copper cable in the southern portion of the Pine Castle Central Office area. The proposed work establishes a twenty-four fiber BellSouth Corporate Network (BSCN) from the Pine Castle Central Office to Keanensville, at which point it will connect to twenty-four fibers from Ft. Pierce. It is also proposed to include twenty-four loop fibers in the BSCN sheath in order to establish four future remote terminal sites along Boggy Creek Road to allow for future cutover of existing loop facilities to fiber carrier. The copper cable is required to provide administrative pairs to the four future remote terminal sites.

The northernmost section of the area under treatment (the Orange County area) is mixed residential and commercial in nature. The remainder of the area under treatment (the Osceola County area), where only the BSCN fibers are being placed, is in the United Telephone Company Serving Area.

The existing interLATA facility network does not have route diversity to provide BSCN alternate routing in the event of a facility failure. Service to the local subscriber area is presently provided by 800 pairs in EFRAP sections 3280 and 3285, 600 pairs in EFRAP section 3290, and 200 pairs in EFRAP section 3295. Orange County has planned several improvement projects along Boggy Creek Road to be started in late 1990 and early 1991.

It is planned to place 285,050 feet of buried fiber optic 30 cable along.

to Keanensville to establish BSCN route diversity by October 1, 1990. This proposal is in accordance with the Executive Approval Letter proposing the BSCN cable, approved August 26, 1987. It is in accordance with the February 22, 1988 Tactical Planning Group letter proposing twenty-four BSCN fibers from Pine Castle Central Office to Fort Pierce. It is also in accordance with the Pine Castle Outside Plant Plan which has been updated to reflect the use of Loop Electronics and is funded in the current Outside Plant Budget.

#### OUTSIDE PLANT

HORM 3.N. 44-50 SHEST

19778

SOUTHERN BELL

ACCOUNTS CHARGEABLE, FETTMATE HO. PROJECT NO. OR TEL. SQUIP. DEDER 362105

TOTAL ESTIMATE OUTSIDE PLANT CONTRACT COST \$ 902242

TALS 1571071

AREA	•	CODE	ĪА	DOITIONS!	RETIRED	ļ	SALVAGE	REMOVALI	EXPENSELINTE	REST	ENG.
33332	į	45C	į	46311! 1524760!		!	i !		† !		

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DISTRICT: ORLANDO

ENGINEER: WER

ESTIMATE PREPARED BY:

W. A. REDA

PHONE NUMBER:

407-351-8027

RC EMGP: NZ124800 RC COMST N2120600

# TOTAL UNDERTAKING SHEET PROJECT 3G2105

This project is part of an undertaking to place a BSCN fiber optic cable from the Pine Castle Central Office to Keanensville and includes loop fiber facilities to convert existing subscriber loops to fiber carrier. The existing plant is located in the southern portion of the Pine Castle Central Office area with gross additions as follows:

<u>AUTHORIZATION</u>	<u>DESCRIPTION</u>	GROSS ADDITIONS
PROJECT 3G2105 (THIS SUBMITTAL)	BSCN FIBER PINE CASTLE TO KEANENSVILLE	\$1,369,238
PROJECT 3G2105 (THIS SUBMITTAL)	LOOP FIBER ALONG BOGGY CREEK ROAD	\$ 201,833
PROJECT 3G2533 (TO BE SUBMITTED)	REMOTE TERMINAL SITE 3280A	\$ 64,000
PROJECT 3G2535 (TO BE SUBMITTED)	REMOTE TERMINAL SITE 3285A	\$ 67,000
ROUTINE	REMOTE TERMINAL SITE 3290A	\$ 42,000
PROJECT 3G2532 (TO BE SUBMITTED)	REMOTE TERMINAL SITE 3295A	\$ 64,000
	TOTAL	\$1,808,071

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	E:PL BSCN	FIBER TO :	CEANER	ASAIFFE						
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,C 845C	LPS FIO FLP	106 175 105	46311 1369238 155622	100.0 100.0 100.0	BSCN	AL FEEDER		

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IN PAC	M FIT	VEND ID	MPC	USE/ MPROG	ศ 88 (2	MAT TYPE	QTY/ REQNUM	SHEATH FT	
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	FLP	<b>MECO</b>	7773370	05 105	04 (590	NBU	745.880	32532	•

#### PROJECT 3G2105 ENGINEERING NOTES

- 1. Attachment A to these notes documents the number of BSCN fibers requested by the Tatical Planning Group.
- 2. Four remote terminal sites will be required on future authorizations to allow for cutover of existing loop facilities to fiber carrier to facilitate the economic retirement of 38.5 MCF of buried copper cable:
  - A) Place an 80 cabinet equipped with (2)
    hardwired series 5 systems and (1)
    DDM-1000 multiplexer.
    B) Project 3G2533 to be issued during the
    first quarter 1990.

    3285A A) Place an 80 cabinet equipped with (2)
    - hardwired series 5 systems and (1)
      DDM-1000 multiplexer.
      B) Project 3G2535 to be issued during the
    - first quarter 1991.
  - 3290A A) Place an 80 cabinet equipped with (2) hardwired series 5 systems and (1) DDM-1000 multiplexer.
    - B) Authorization to be issued during the second quarter 1991.
  - 3295A A) Place an 80 cabinet equipped with (2) hardwired series 5 systems and (1) DDM-1000 multiplexer.
    - B) Project 3G2532 to be issued during the third quarter 1990.
- 3. Attachment B to these notes documents Executive Approval Letter for construction of interLATA fiber facilities to provide diversity for the BellSouth Corporate Network (BSCN).
- 4. Attachment C to these notes documents the November, 1989 Engineering acceptance schedule for the Pine Castle-Fort Pierce BSCN.

- 5. Starting in late 1991, Orange County has planned several improvement projects along Boggy Creek Road:
  - A) Boggy Creek Road Widening and extension from Tradeport Drive to north of the Fourth Street (Dowden Road) intersection; to start in late 1990.
  - B) Boggy Creek Road drainage Improvement Project from O. P. Green Road south, to south of Tradeport Drive; to start in late 1990.
  - C) Boggy Creek Road widening project from Tradeport Drive south, to north of Wetherbee Road; to start in early 1991.
- 6. Manual changes were made to JMOS Broadgauge to more accurately reflect anticipated expenses.
- 7. The placing of the 50 pair cable is being proposed at this time due to several factors:
  - A) The 50 pair copper cable will provide admin. pairs to serve future RT sites. To place it now as a secondary cable buried with the fiber optic cable will cost \$0.26 per foot. To place the cable by itself under a future authorization would cost \$2.41 per foot by today's Master contract cost.
  - B) As stated earlier this 50 pair copper cable is needed to provide admin. pairs to serve future RT sites. These sites have been identified as 3280A, 3285A, 3290A and 3295A.
  - C) The existing copper cable in the area is damaged and defective. It is proposed to be retired starting in late 1990 as each of the new RT sites are turned up.

# HOURLY STATUS MESSAGE FOR JMOAI1FO SENT AT 18.30.00 ON 11/19/89

LAST MESSAGE NUMBER WAS: 1367

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		NL			#PRS/		MATL/LABR	CONTR	TELCO LABOR
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FA6300 MENU REQUEST HONORED

PAC: 8450

***** BROADGAUGE (C,M,R) CONSTR, MAINT, REPAIR (BROC) *****

ĩ	LABO	R ADJ	usī: % To	TAL ADJU	ຣາ: %	BILLING.	? _ ADMÏ	N OVRHD: %
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)	COST	NLC	ITEM	FBRS	QTY	UNIT	UNIT	HRS/UNIT
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4			FIBER HANDHOLE		13		540	
1	M	NL_	CABLE MARKERS_				2.50	
4	c		TRIM TREES		1		300	
4	c		4"CONC COP		1688		2.82	
4	c		CUT&REST ASPH_		4324		2.36	
4			6"SPLIT DUCT		4028		5.13	
4	M		INNERDUCT			.25	.99	
4	ر		4"REM&REST CON				2.82	
4	j		JACK&BORE BIP		75		11.81	
4			JACK&BORE ASP	4	60			
4	M	NLF			13970	3.580	3.03	.21012
			_	<b>-</b>				PAGE 1 OF 1

FE6326 ENTRY IN MATL/LABR UNIT COST FIELD IS NOT ALLOWED FOR CONTRACTOR WORK.

**** BROADGAUGE (C,M,R) CONSTR, MAINT, REPAIR (BROC) LABOR ADJUST: ___ % TOTAL ADJUST: ___ % BILLING? _ ADMIN OVRHD: __ % <u>-</u> #PRS/ MATL/LABR NL CONTR TELCO LABOR COST NLC QTY ITEM FBRS UNIT UNIT -- HRS/UNIT--1 TYPE NLF DESCRIPTION (NLC/F) (UNITS) COST COST PLACE SPLICE 4914___ 2.717___ NLF AT-24H2BT-036__ 36__ 3.03____ _____ .16164 2.444___ 13448__ 252518_ AT-24H2BT-030__ 30__ 3.03____ NLF .13740 1.834 ___ AT-24H2BT-024__ 2.92____ 24__ M___ NLF .11316 AT-24H2BT-006__ 4.21____ 200____ W____ NLF 6___ _____.04044 ----------

JOB: P362105

FA6302 BROC ENTRY CONTINUED FOR JOB P3G2105, PAC 845C.

ACT: MD

CHO: JKNC

PAC: 845C

PAGE _2 OF _2

JMOS 3.0 ,SYSTEM: PRTR: JMFMBOP5 PG: 1
GENERATED: 11/20/89,08:15 RQST BY: GFF

# ***** BROADGAUGE CONSTRUCTION DETAILS ***** JMOS REPORT 501, PART A

PAC: 45C JOB: P3G2105 BILLING? _MC: JKNC PLANT TYPE: BURTED_PLANT AREA: FL PERF: 76.2 % ŲΤΥ UNIT COST AMOUNT MCF FKF ITEM DESCRIPTION ----------_______ -----____ _____ .53 31537 3.154 16777.68 AFMW-50 3.154 16777.68 106.63 HRS 17.612 1877.95 EXEMPT MATERIAL 802.19 18655.63 .0430 SUPPLY EXPENSE ----------TOTAL MATERIAL ~ 19457.82 0.00 HRS PLACING LABOR 37.483 0.00 SPLICING LABOR 105.34 HRS 37.433 3948.54 OTHER LABOR 0.00 ======== ** TOTAL LABOR **ン3948.54** ** TOTAL CONTRACT 116083.87 20032.41 .34049 6820.83 **ENGINEERING** ========= TOTAL ENGINEERING 6820.83 TOTAL MATL, LABOR, CONTRACT, ENGR 46311.06 ========= 46311.06 ** GRAND TOTAL

RQST BY: GFF

# ***** BROADGAUGE CONSTRUCTION DETAILS ***** JMOS REPORT 501, PART A

		JOB: P3G2 AREA: FL	105	BILLING?	PLANT	FAC: TYPE:	845C Buried_plant
	ITEM DESCRIPTION	MCF	FKF	QìY	บก	ll cos	T AMOUNT
	CABLE MARKERS			296		7.0	
	INNERDUCT			2276		.2	
	AT-24H2BT-048		670.56			3.5	
	AT-24H2BT-036		176.90	4914		2.7	
	AT-24H2BT-030		403.44	13448		2.4	
	AT-24H2BT-024		6060.43	252518		1.8	<del>-</del>
	AT-24H2BT-006		1.20	200		.5	4 109.00
			7312.54				562098.86
	EXEMPT MATERIAL		600	<del>34160.46</del>	HRS	64.95	2 <del>2210709.90</del>
	SUPPLY EXPENSE		48483.9	9 <del>-2780880.76</del>		.043	0 <del>-119578-22</del>
**	TOTAL MATERIAL						2900166.93 603154.89
	PLACING LABOR			0.00	HRS	37.48	3 0.00
	SPLICING LABOR		60			37.48	
	OTHER LABOR		•••		2	,	22498:00
	TOTAL LABOR						<del>-1290436.35</del>
		•					22439.30
#.*	TOTAL CONTRACT						886158.41
	ENGINEERING		38054.4	<del>(3-21-66594.76</del>		.3404	<del>737703.05</del> {32£2 <i>:1</i> £
**	TOTAL ENGINEERING	ì			s*		<del>737703.85</del> 12957.15
	TOTAL MATL, LABOR	R, CONTRACT	, ENGR		<b></b>		<del>5004765.59</del> 1524760.23
							=========
**	GRAND TOTAL						5804765.59 1524760.23

NOTE:

PLEASE SEE ENGINEERING NOTE NO. 6 REGARDING MANUAL CHANGES. WAR. JMOS 3.0 ,SYSTEM: PRIN: JMFMB0P5 PG:
GENERATED: 11/20/89,03:15 RQST BY: GFF

**** BRUADGAUGE SUMMARY *****

JMOS REPORT 501, PART C

DMC: JKNC AREA: FL B1LL1NG? JOB: P3G2105

.NT TYPE	GROSS ADDS	PLANT RETIRED	SALVAGE	COST OF REMOVAL	MAIN- TENANCE
BURIED_PLAN1	<del>5851077</del> /£?/ <u>0</u> 2L	0	0	0	0
	<del>-5851077</del> 1521021	0	0	o	, 0

TOTAL MCF 3.154 \$/MCF = \$ \frac{1055305.40}{200.14} 19683.28

TOTAL CONTRACT \$ 902242.28

TOTAL ENGINEERING \$ 744524.68 /92228

GROSS EXPENDITURES \$ -5951077 /57/07/

NET REQUIREMENTS \$ 5051077 /57/07/

NET ADDITIONS \$ -5851077 /57/07/

### NOTE:

PLEASE SEE ENGINEERING NOTE NO. 6
REGARDINE MANUAL CHANGES. W.A.R.

GENERATED: 11/20/89,03:15 RQST BY: GFF

***** BROADGAUGE MCF/FKF DETAIL SUMMARY *****

JMOS REPORT 501, PART D

UMC: JKNC AREA: FL B1LL1NG? JOB: P3G2105

				MCF	
CABLE TYPE	#PRS	QTY	219	PULP	UNKNOWN
AFMW-50	50	31537	3.154		
TOTAL		31537	3.154	0.000	0.000
		!	-		
FIBER TYPE	#FBRS	QTY	FKF		
AT-24H2BT-048	48	13970	670.56		
AT-24H2BT-036	36	4914	176.90		
AT-24H2BT-030	30	13448	403.44		
AT-24H2BT-024	24	252518	6060.43		
AT-24H2BT-006	6	200	1.20		
TOTAL		285050	7312.54		

JMOS 3.0 , SYSTEM: PRIK: JMFMB0P5 PG:
GENERATED: 11/20/89,08:15 RQST BY: GFF

***** BROADGAUGE ERROR LISTING *****

JMOS REPORT 501, PART E

UMC: JKNC AREA: FL B1LL1NG? JOB: P3G2105

F'7300 NO ERRORS OR WARNINGS WERE GENERATED IN PRODUCING THIS REPORT.

****** END OF JMOS REPORT 501 *******

☐ SERRANO SHEPHERO I FOR INFO ONLY C RETURN TO ___ ☐ NEW C FILE I KUSCHEL COMMATE

W. H. Tyler, P.E. Engineering Manager Tactical Planning - Central

PAGE 1 OF 3 Southern Bell

6451 North Federal Highway Fort Lauderdale, Florida 33308 Phone (305) 492-3434

February 22, 1988 File # 206.0600 A-Zs shown on attachment

Mr. J. C. Miller Operations Manager 15JJ1 Southern Bell Tower 301 West Bay Street Jacksonville, Florida

Dear Jack:

As you know, during the past several weeks there has been much discussion concerning cable sizing in the trunking network and cable additions which will be required to protect the network. The intent of this letter is to summarize these cable requirements and any other changes which we have identified to date as part of our normal budget process. The summary is attached and is arranged by various categories to indicate what the main trigger is for each of the cables.

With respect to the list, "old" is what we had in the December of 1987 budget and "new" reflects a change to the December view or a requirement which did not appear in the December view. We did not include cables which have EADs in the first quarter of 1988.

This list represents the cables required to support the trunk program which will be funded by the June 1988 budget. We hope this will assist you in preparing your OSP-10 document. Since changes are likely as we go through the budget approval process, we will convey any changes to you as soon as they occur.

Questions may be directed to Mr. D. P. Zingarelli or Mr. A. Capuano at 492-3462, 2959 respectively.

Yours truly,

Engineering Mana

DPZ,AC/

cc: B. K. Cruit R. D. Hayno

CLERICAL: H. N. Ivester ? G. E. Olsen T. C. Kellermann, Jr. D. Thomson

SUPPORT GROUP

Attachment

A MELLSOUTH Company

The following is a comparison list of fiber trunk cables in the Orlando and Daytona Beach LATAs. It indicates, by various categories, all changes since our last Construction Budget Review (OLD) including new fiber cable requirements.

#### I. BSCN CABLES:

	CROSS SECTION	TK #	OLD # FBRS	NEW # FBR	EAD	NOTE	
1.	ORLDPC-FT. PIERCE	F800		24	11-1-88	1 ←	3×
2.	TTVLMA-OKHLMA	F612	8	12	08-1-88	2	
3.	nsehma-okhima	F611	8	12	08-1-88	3	
4.	PRSNFD-PMPKMA	F556	8	24	7-15-88		

#### NOTES:

- 1. THIS WAS PREVIOUSLY SHOWN AS A SAND LAKE-FT. PIERCE FIBER CABLE.
- 2. THE DAYTONA DISTRICT WILL PLACE 24 FIBERS FROM OKHLMA TO THE DAYTONA BOUNDARY.
- 3. THE DAYTONA DISTRICT WILL PLACE 24 FIBERS FROM OKHIMA TO MANHOLE D49 (TOWARDS NSBHMA).

### II. CABLES REQUIRED FOR EXHAUST CONDITIONS:

	CROSS SECTION	TK #	OLD # FBR	NEW # FBR	EAD	NOTE
1.	DBRYMA-DBRYDL	F702	8	12	04-1-89	1

#### NOTE:

1. THIS CABLE IS A RESULT OF A T-CARRIER COPPER CABLE EXHAUST.

THE FOLLOWING ARE NEW TRUNK CABLES IN EXISTING ROUTES TRIGGERED BY RING ARCHITECTURE REQUIREMENTS (ALL NEW):

	CROSS SECTION	TK #	# FBR	EAD	NOTE
2.	COCOMA-COCOME COCOME-CCBHMA DYBHPO-NSBHMA	F678 F802 F615	12 12 18	1989 1989 1989	1

#### NOTES:

1. THESE CABLES ARE ASSOCIATED WITH THE WIDENING OF STATE RD. 520 AND WILL RESULT IN ONLY AN INCREMENTAL COST.

# III. CABLES REQUIRED TO SERVICE A NEW CENTRAL OFFICE (ALL NEW):

CAN DE DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE CONTROL DE C

<u>CROSS</u> <u>SECTION</u>	TK#	# FBR	EAD	NOTE
1. ORLDAP-ICP	F803	12	1988	1 2
2. DYBHMA-DYBHFN	F613	6	1988	

#### NOTES:

- 1. THIS CABLE IS TO SERVICE INTERNATIONAL CORPORATE PARK (ICP).
- 2. THIS CABLE IS TO SERVICE FENTRESS AND WILL BE CONVERTED FROM EXISTING DISTRIBUTION SINGLE MODE FIBERS.

### IV. CABLES REQUIRED FOR PROTECTION RINGS (ALL NEW):

	CROSS SECTION	TK #	# FBR	EAD	NOTE
1.	ORLDMA-LKMRMA	F804	12	1988	
2.	LKMRMA-SNFRMA	F801	12	1988	1
3.	ICP-EORNMA	F805	12	1990	
4.	MLBRMA-EGLLIH	F806	12	1990	
5.	EGLLIH-CCBHMA	F807	12	1990	
6.	COCOME-COCOKT	F808	12	1990	
7.	COCOKT-TTVIMA	F809	12	1990	2

#### NOTES:

- 1. THIS IS ASSOCIATED WITH A ROAD PROJECT ALONG I-4 AND WILL PROVIDE SINGLE MODE FIBER FROM SANFORD TO LAKE MARY (MULTI MODE EXISTS).
- 2. THIS IS ASSOCIATED WITH EXISTING DISTRIBUTION FEEDER FIBER PLACEMENT FOR APPROXIMATELY 8.8 MILES SOUTH OF TITUSVILLE. THESE FIBERS WILL BE SPLICED TO 12 EXISTING FIBERS GOING WEST TOWARDS COCOKT.

MINCHMENT P



February 18, 1988
File: 206.0600 ORLDFLPC - FTPRFLMA

6451 North Federal Highway Post Office Box 5567 Fort Laugerdale, Florida 33310

Mr. M. B. Shepard Manager Engineering 7680 Republic Drive Suite 500 Orlando, Florida

Dear Mr. Shepard:

This memo is a correction to my memo dated 2/16. It also contains additional information. Please disregard my 2/16 memo.

On January 19th we met with the Orlando and Sand Lake Feeder Administrators to discuss our plans for protecting the fiber network. One of the cables which was discussed was the ORLDFLPC to FTPRFLMA TK800 cable.

Since this cable is to be used for diverse routing, we stated that it should not be in the same conduit route with the existing ORLDFLPC to ORLDFLMC fiber cables. The ORLDFLPC to ORLDFLMC route is also part of the BSCN diversity. Mr. Sharp assured us that he will be able to accomplish this by removing an airpipe and plæcing an inner duct in the conduit run on the opposite side of the street from the existing ORLDFLPC to ORLDFLMC fiber cables. This letter will serve as documentation that we requested this diversity.

With respect to the regenerator locations. We wish to verify that these structures are identified as part of your estimate and that you are arranging for their installation.

Also, because of all the recent dialogue about increasing the size of trunking cables, we want to make sure of our mutual understanding as to the number of fibers we are requesting. Since this cable is in the BSCN route, we are requesting 24 fibers.

Questions may be directed to Mr. D. P. Zingarelli at 492-3462.

Yours truly,

Low Countries

Your As work

Supervising Engineer

DPZ/

cc: A. Capuano

SUFFICIT GROUP CLIFICAL

A **BELLSOUTH** Company

PAGE 1 OF 3



Southern Bell

Southern Bell Center 675 West Peachtree Street, N.E. Atlanta, Georgia 30375 Phone (404) 529-8611

Mr. R. K. Snelling Executive Vice President - Network Atlanta, Georgia

Dear Mr. Snelling:

Executive approval is requested for construction of interLATA fiber facilities to provide diversity for the BellSouth Corporate Network. Included in this proposal is the construction of a ring facility network, providing for either clockwise or counter-clockwise routing of corporate interLATA circuits given a facility failure occurs, and circuit equipment to provide dynamic restoration capability. Completion of the undertaking is scheduled for year-end 1988.

The corporate communication needs of Southern Bell, South Central Bell, BellSouth Services, BellSouth Corporation, and BAPCO are presently served on an interLATA facility network, commonly referred to as the BellSouth Corporate Network (BSCN). The portion of this network residing within the Southern Bell territory is comprised of fiber optic and copper facilities. The present network was constructed to provide interLATA connectivity for our corporate needs. No facility route diversity was considered in the initial project construction.

Many factors have attributed to the need for further analysis of providing facility route diversity for our corporate network. Some of our network offerings require diversity in order to meet their design and service criteria, i.e. Common Channel Signaling, Enhanced 911 Service, etc. Other internal corporate needs are vital to our daily operations and create significant increased operating expense or loss of revenue when our corporate communication network experiences outages. Also, maintenance costs can be reduced by providing an all fiber, dynamic restorable network since less hours will be spent locating, patching, and repairing network failures.

The actual facility routes to be constructed were determined by a task force comprised of planners from each State. The construction plans are based on providing diverse facility routes for connecting each of our LATA's using the ring topology concept. Also taken into consideration are any intraLATA distribution facility advantages for each particular route to be constructed. The routes which did not appear economically advantageous to construct are proposed to use a leased arrangement with an interexchange carrier for route diversity.

Dynamic restoration is to be provided by means of strategically locating DS3 digital crossconnect systems and network controllers. These crossconnect systems will be located at the major facility nodes or junctions so as to provide switching capability to spare capacity in the network when a facility outage occurs. The network controllers will be co-located with existing facility maintenance centers. The controllers will signal the digital crossconnect systems to switch to spare capacity in less than ten minutes of a facility outage.

A study was performed using the CUCRIT economic analysis program which indicated that the proposed diversity plan generated a Net Present Worth of Expenditures (NPWE) savings of \$30.6 Million and a Project Rate of Return (PROR) of 19.1% over the Present Method of Operation (PMO). In addition, there exists many intangible benefits of providing this service protection which could not be economically evaluated.

Capital and expense requirements to support this undertaking are as follows:

	\$000				
	1987	1988	TOTAL		
Capital:					
Cable Circuit & Radio Data Processing Total	\$ 300 100 \$ 400	26200 19800 <u>900</u> \$46900	26500 19900 900 \$47300		
Expense (annual):			\$ 1342		

All projects are planned to be completed by year-end 1988, and expenditures are being included in the June, 1987 Construction Budget View.

# HITHCHMENT A PAGE 3 OF 3

If you concur in this proposal, please indicate your approval below so that. detailed engineering may proceed.

Yours truly,

ssistant Vice President Planning and Budgets

Attachments

RECOMPENDED:

H. Corey, Jr.

General Manager Switched Services

Florida

General Manager -

Planning & Engineering GA/NC/SC

CONCURRED:

L. E. Crittenden

Vice President -Network/Florida

W. H. Bellinger Vice President -

Network/GA/NC/SC

R. K. Snelling

Executive Vice President -

Network

# NEW FIBER OPTICS ROUTES - ORLANDO LATA CENTRAL TACTICAL PLANNING DISTRICT

	_	((2) Engr.	((3)		(4)	((5)
PROJECT /Route(s)	A <u>CCategory</u>	Accet. Date	Moute Miles/Regen		f Fibers EXCH	Trunk #
COCOA MAIN-COCOA BEACH MAIN (a)	1					
Cocca Hein-Herritt Island	R	06/1/92	3.6	12	0/84	F678
Herritt Island-Cocoa Beach Main	R	07/1/92	6.6	12	84/0	F802
AZALEA PARK-HOSS PARK*	s	2/15/92	13.7	12	60/6	F803
AZALEA PARK-UNIVERSITY(b)*	s	11/1/90	8.5	24	0/0	F810
UNITYERSITY-OVIEDO(b)*	\$	11/1/90	6.2	18	0/0	F811
PINECASTLE-SOUTH CONNAY*	\$	2/15/91	4.8	12	40/0	F813
DEBARY NA - DEBARY DL(c)	R	04/1/90	5.3	12	0/36	F702
BSCN ALTERNATE					% ∳-	
#Pinecestle-Fort Pierce (d)	8	10/1/90	95.0/4	24	36/0	F800

⁽a) Cocoa Main-Cocoa Beech Main: These cables are associated with the widening of State Road 520.

⁽b) Azalea Park-University: Twelve existing single mode Distribution fibers will be used to service University. We will also convert 6 single mode Distribution fibers from Oviedo to University. Subsequently, TK F654 (AP-Oviedo), 12 fibers will be reterminated into the University wire center and be redesignated as AP-University, TK F810 (24 fibers) and University-Oviedo, TK F811 (18 fibers).

⁽c) DEBARY MA-DEBARY DL: Copper screen cable exhaust due to East Orange remote.

⁽d) Pinecastle-fort Pierce: This BSCM alternate route trunk cable must be in a different conduit route than any other existing fiber trunk cable.

#### ENGINEERING NOTES

Project 51259

It is being proposed to place this fiber cable in the Pine-castle West Feeder Route instead of the existing trunk route which feeds thru the Pinecastle Southwest Feed. This is being done to avoid cutting around a 12,000 foot section of the proposed cable in the 4th quarter of 1985 due to the relocation of Sand Lake Road (see attached sketch for alternate routing). The trunk and subscriber fibers are not sharing a single sheath on South Orange Blossom Trail in section 4465 to avoid placing the trunk facility thru the road construction at South Orange Blossom Trail and Sand Lake Road. The placement of P51417 (subscriber fiber) thru this intersection occurs at a later date which allows sufficient time to place facilities around the road construction in this intersection. The 24 trunk fibers were initially sized to eventually cut the existing Pinecastle to Sand Lake trunk facilities to fiber.

This trunk project has received catagory 2 approval to use Northern Telcom single mode fiber optic cable. Since this type cable is available up to 96 fibers, 64 subscriber fibers have been included in the trunk sheath. This will facilitate placing the Pinecastle Southwest Feeder Route on fiber-SLC and eliminate replacing 12,000 feet of 16 duct conduit and 3 - 1200 pair and 1 - 1100 pair 22 gauge cables. Placement of additional fiber optic cable, cutting existing facilities to fiber, and removal of conduit and copper trunk and subscriber facilities will be performed on Project 51417. The EASOP study in Project 51417 documents that the 64 additional subscriber fibers added to this trunk placement is the most economical way to accomplish the facilities relocation on Sand Lake Road. A copy of the feeder route schematic for Project 51417 is included in this proposal for fiber cable sizing documentation.

Twenty-five feet of additional cable was added to each reel length to allow for environmentally controlled splicing. It is proposed to place 2 innerducts the full length of this project (one for the fiber cable and one for emergency back-up).



# Accounts Chargeable Estimate No._____

Sheet 1 of 1

Outside Plant C	Contract Cost \$	0		Pro	ject No. Or Tel:	Equip. Order	51259	
Location/ Area No.	Account/ Code	Gross Additions	Plant Retired	Salvage	Cost Of Removal	Expenses	Interest	TELCO Eng.
A	В	C	D	E	F	G	Н	<u> </u>
33332	77C	5,767	_	_	_	_	-	1,752
33361	77C	1,533	-	ļ <u>.</u>	_	_	_	1,752 ,466
33301	85C	537,500	_	-	_		_	68,923
	4M	-	_	-	-	9,800	-	-
	5M	_	_	-	_	30	_	<i>∕</i> ′9
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	Prior Year (s)	4	-	_		<del>                                     </del>		-
Total	Current Year Subsequent Year	53,362			-	9,830		71,150

Summary Of Effect On The Accounts						
Gross Expenditures-Total Column (C) Plus Column (F)	544,800					
Net Requirements-Total Column (C) Plus Column (F) Minus Column (E)	544,800 V					
Net Additions-Total Column (C) Minus Column (D)	544,800 V					

Esti	mate	Pre	pared By			
	T.	M.	Sharp,	Feeder	Administrator	
R.C.					·	
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R.C.	Cor	st. M	fgr. (Dist.)		<del></del>	
			N2.	1253000		
			-			

#### PROJECT 51259

This project contains part of a total undertaking to provide subscriber facilities in the Pinecastle Southwest Feeder Route and is broken down as follows:

	Authorization	Description	Gross Additions
This proposal	P51259	Sand Lake-Pinecastle Fiber Optic Trunk Cabl	\$5 <b>44,</b> 800 e
To be submitted	P51417	Place Pinecastle Southwest Feed on Fibe Optic SLC-96	\$616,700 r
Total undertaking			\$1,161,500

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### Southern Bell

6451 North Federal Highway

Fort Lauderdale, Florida 33308

RCULATE Lodge Live 1984

PIES

9-27-84

·W. H. Tyler District Manager Switched Services - Interoffice Facility Current Planning Center (IFCPC).

April 18, 1984

WPC: 7400-11/031/0383-1

Mr. J. C. Miller District Staff Manager Distribution Jacksonville, Florida

Mr. C. L. Stephens District Manager Facility Administration Fort Lauderdale, Florida

Dear Sir:

This letter is to inform you that Executive Approval has been received for a fiber optic project. A copy of the signed project letter for the Southwest Orlando (Pine Castle to Sand Lake) fiber optic installation scheduled to service in July 1, 1985, is attached for your information.

1.0

XILW.

DOUCLAS

□ LOCKE

In accordance with existing guidelines, this, and all other fiber optic projects scheduled for 1985 and beyond, should include single mode fiber cables.

Also attached to this letter is a copy of the Outside Plant Monitor for the T-carrier cross section affected by this project letter. The purpose of the Outside Plant Monitor is to identify the critical events and dates necessary to implement the project. This document gives your organization a specific date for the completion of a critical event. It is imperative that these dates be met. Failure to do so jeopardizes downstream events //and possibly the service date. The Outside Plant Monitor is updated// periodically and reissued by the Facility Administration District. reviewed monthly at the Facility Coordination Committee meeting in order to identify and resolve any roadblocks. Any updates or corrections to the Outside Plant Monitor may be directed to the cable and span coordinator, Ms. C. R. Schichtel, at 492-3528.

Your assistance towards the successful implementation of this project will be greatly appreciated. If you have any questions or desire further information, please contact Mr. Al Capuano at 492-3433.

Yours truly,

W. H. Tyler

District Manager V

Interoffice Facility Current Planning Center

Attachments

F01B14Z 00904

. Y DATE: MAY CLERVE POX **田原ごしば:19**上 DFILE E DOUCUAS Dist. Mgr. Dist. E & A ED CITICULATE ENCOR E ido-Sand Lake, Fla W.H.Tyler  $\Box$  -E COPIES District Manager Switched Services - Interoffice Facility Current Planning Center (IFCPC)



### Southern Bell

Room 901 6451 North Federal Highway Fort Lauderdale, Florida 33308 Phone (305) 492-3434

May 14, 1984 WPC: 05E1013T4

Mr. G. E. Olsen
District Manager - Distribution
Orlando, Florida

Dear Mr. Olsen:

We have reviewed your request to retire TK471 and TK472 in the Pinecastle to Sand Lake cross section and determined that we can retire these two cables by the first quarter of 1986.

A fiber optic facility, TKF660, is planned between Pinecastle and Sand Lake with an Engineering Acceptance Date (EAD) of July 1, 1985. At that time, we will turn up the required number of DS3 master groups (fiber systems) to handle the rearrangements of the 790 working voice pairs and 142 T-carrier systems.

Please inform us if the Department of Transportation requires that we evacuate the conduit run which houses these two trunk cables prior to the first quarter of 1986. At that time, we will evacuate advancing the EAD of the fiber to accommodate the new date.

The above information was discussed with Mr. T. M. Sharp of your organization.

Questions regarding this subject should be directed to Mr. Al Capuano at 492-3433.

Yours truly,

District Manager - IFCPC

AC/wjb

cc: Mr. J. C. Miller Mr. W. C. Miller

Paq	۾	1	of	1
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### NORTH AREA CENTRAL DIVISION TRUNK CABLE CONSTRUCTION MONITOR AS OF ____04-02-84

CABLE	PROVID	<u>DES</u>	ENG ACPT DATE
F660	24 Fiber	's SM	07-01-85
Proj/Est.	<del></del>	Proj/Est.	
SCHEDULE	ACTUAL	SCHEDULE	ACTUAL
04-01-84	02-29-84		
06-01-84	\		
08-01-84	/		
12-01-84			
01-01-85		·	
01-01-85			
06-01-85			
06-15-85			
07-01-85	•	•	
	F660 Proj/Est.  SCHEDULE  04-01-84  06-01-84  08-01-84  01-01-85  01-01-85  06-01-85  06-15-85	F660 24 Fiber  Proj/Est.  SCHEDULE ACTUAL  04-01-84 08-01-84 08-01-84 12-01-84 01-01-85 01-01-85 06-01-85 06-15-85	F660 24 Fibers SM  Proj/Est. Proj/Est. SCHEDULE  SCHEDULE ACTUAL SCHEDULE  04-01-84 02-29-84  06-01-84  01-01-85  01-01-85  06-01-85  06-15-85

#### **REMARKS:**

A. ORLDSA - Project 21727 (LSCIE); Ship 08-04-84, Comp. 09-16-84
B. ORLDSA - Project 09759 (Electronics); Ship 12-22-84, Comp. 02-03-85
C. ORLDPC - Project 09805 (Electronics);

### DATE STATUS:



L. E. Crittenden Vice President-Network/Florida Southern Bell

November 15, 1983

Mr. R. K. Snelling Executive Vice President, Network Atlanta, Georgia

Dear Sir:

This is to request supplemental approval of the Southwest Orlando Fiber undertaking. The supplement will add 6.3 miles of 24 fiber cable between Pine Castle and Sand Lake to provide for added capacity requested by _______in the Pine Castle and Sand Lake exchanges. 5000 feet will be placed in 1983 in conjunction with 84 fibers placed for _______?

We are also recommending a change from 90 Mb/s to 135 Mb/s. The change will result in a first cost savings of \$1,121,000 in central office equipment which offsets the additional cost of the cable.

The expenditures of the original project letter (copy attached) and the revised costs are compared by category as follows (\$000):

	1985 ORIGINAL EAL	1985 EAL WITH SUPPLEMENT
CIRCUIT COE	3900	2779
CABLE	1158	1408
CONDUIT	<u>50</u> 5071	50 4237

The non-recurring circuit rearrangement costs will be approximately \$160,000.

The November, 1983 construction budget includes the above changes.

Your approval to proceed as recommended is respectfully requested.

Yours truly,

Vice President-Network Florida

copy: W. H. Alford

APPROVAL:

Executive Vice President-Network

2 /29/fc/ Date F01B14Z 00909

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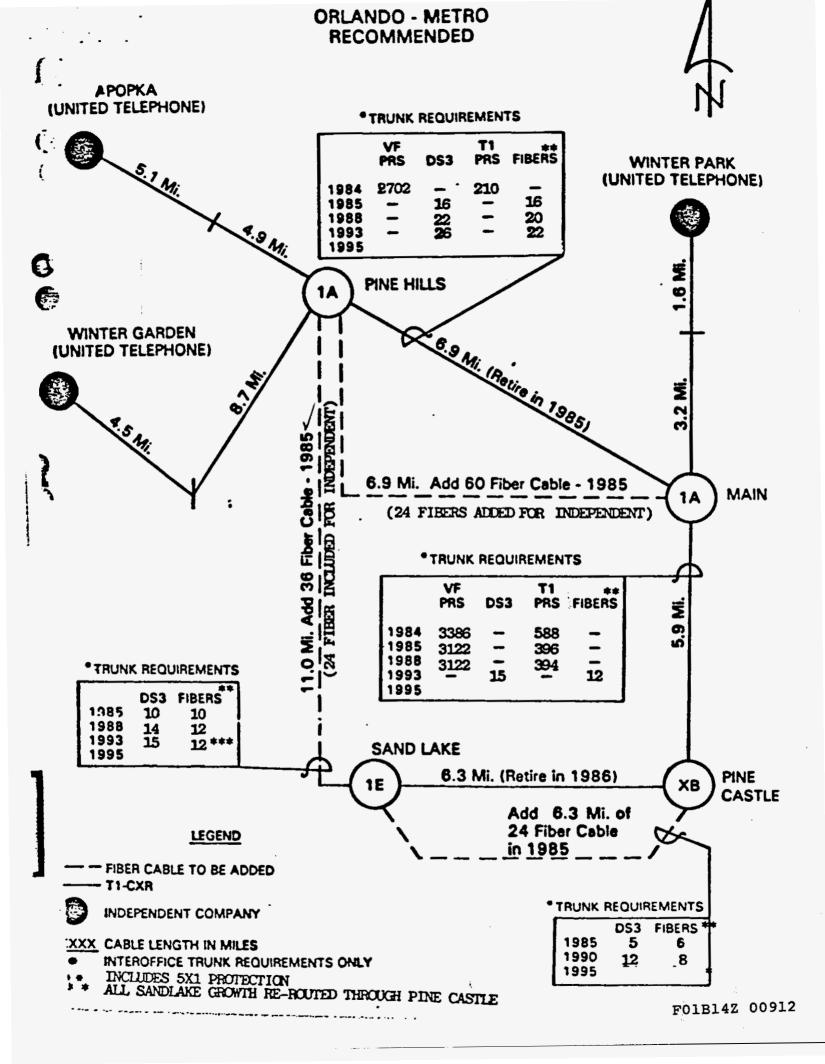
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COST FILE: PCSLFIB COST4

DATE : 10/10/83 TIME : 13:36:56

SUPP FILE: PCSLSUP

BEGINNING OF STUDY: 1984 DEFAULT GROWTH RATE: .10

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TIVE*	KODE1	NODE2	REP	VF.EXH Date	CXR. FXH DATE	FACILITY FXE. DATE	EXHAUS" CCIE
3	PC	Ma	0	Ø	8	<b>e</b> .	e
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€ ²	MA	WRLD	ē	ē	0	ě	e
6	SA	PC .	ē	2	Ø	ē	ē
10	PH	WEST	Ø	Õ	Ö	ē	2
126	SA	PC	6	e	Ø	Ŷ.	ē
102	MA	PH	7	2	. 0	e	ē
103	PC	MA	7	Ø	ē	ē	6
222	M.A.	PĤ	Ø	e	Ö	ě	ē
223	PC	MA	e	e	e	e	2.
22:	PΓ	SA	0	e	ē	é	e
212	SA	PΞ	<b>e</b>	Ø	0	ē	ē
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# . OFNPS LINK CROSS SECTION TABLE

PAGE 1

EIVORE FILE: POSTFIE fosi filf :

COST4

DATE : 10/10/83

- TIME: 13:36:56

SUFP FILF : PCSLSUP

<u>₹</u>

BEGINNING OF STUDY: 1984 DEFAULT GROWTH RATE: .10

Y ± RODIE

CROSS SECTION

FORMAT: VF/CXR FOR CAPLE, Ø/RF CHANNELS FOR PADIO

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·(:		LINE CROSS	SECTION TAR	PLE .	PAGE 2
111/4		CRO	SS SECTION		
(	1989	1992	1991	1992	1993
3 2 4 6 106 102 103 203 203 206 210	3122/ 0 0/ 0 0/ 112 0/ 0 0/ 44 0. 0 0/ 394 0/ 25 0/ 0 2/ 11 0/ 16	3122/ 0 0/ 0 0/ 116 0/ 0 0/ 46 0/ 0 0/ 394 0/ 27 0/ 27 0/ 12 0/ 17	3122/	3122/ 0 0/ 0 0/ 126 0/ 0 2/ 50 6/ 2 2/ 0 0/ 31 0/ 31 0/ 21	0/ 0 0/ 132 0/ 50 0/ 50 0/ 394 0/ 32 0/ 32 0/ 25 0/ 21
. <b>.</b>	ı	LINK CROSS	SICTION TAP	LE 	FAGE 3
11:4#			SS SECTION		
	1994	1995	1996	1997	1998
3 2 4 5 10 105 102 103 202 203 206 219	0/ 9 0/ 136 0/ 136 0/ 50 0/ 50 0/ 394 0/ 34 0/ 16 0/ 15 0/ 22				

•		LINK CROSS	SECTION TAR	LE	PAGE 4
E#		CRO	SS SECTION	-	
	1999	2000	2001	2002	2003
100 100 100 100 100 100 100 100 100 100	•				
		LINK CROSS	SECTION TAPL	E	PAGE 5
NK#	•	CROS	S SECTION		
-	2004	·	<b></b>		
3 2 4 6 10 3 2 3 5 6 6		•		¢.	

FIWORY FILE: LC2 TL IR CCST FILE : SUPP FILE : COST4 PCSLSUP

TIME: 13:39:21 BEGINNING OF STUDY: 1984 DEFAULT GROWTH RATE: -12

14 12 78

CAPITAL UTILIZATION CRITERIA

VERSION 3 4241 PAGE 1

* EXECUTIVE SUMMARY * ******

TULY:

SBFL OFNPS COSTS

PC-SL FIBER

NET PW EXPENDITURES

PC-SL FIBFR

22194.4

NON-DISCOUNTED INPUT SUMMARY

PC-SL FIBER

CAPITAL REQTS. 34123.5 FXPINSF REQTS. 59071.9 2.0 CO. REVENUES

INCREMENTAL CASH FLOW LONG TERM & RISK EVALUATORS

LONG TERM RATE OF RETURN -16.7% MET PRESENT VALUE (\$000) -11385.8 NET PW EXPENDITURES (\$000) 22194.4 NC PATRACE DISCOUNTED PAYBACK (YRS.) LONG TERM ECONOMIC EVALUATOR 3.277

PRESENT FORTH YEAR 1985 TREND BASE DATE 1 1982 20 YEARS STUDY PFRIOD END OF STUDY YES COMBINATION COST OF MONEY 15.25% LIFE OPTION

*****SIE PAGE 2 FOR FOOTNOTFS****

12/78

TOT:

7 18: CAPITAL UTILIZATION CRITERIA VERSION 3 4041

EXECUTIVE SUMMARY

SBFL OFNPS COSTS

PC-SL FIBER

CUCRIT IS NORMALLY USED TO PERFORM AN EVALUATION BASED UPON THE CAPITAL, EXPENSE AND REVENUE DIFFERENCES BETWEEN TWO PLANS. IN SUCH A CASE, THE EVALUATORS WHICH THE PROGRAM GENERATES DESCRIBE ONLY THE ECONOMIC WORTH OF THE DIFFERENCES IN CAPITAL, EXPENSE AND/OR REVENUES BETWEEN THE PLANS AND ARE NOT ATTRIBUTABLE TO EITHER PLAN INDIVIDUALLY

NITHOPK FILE: '( COST FILE : SUPP FILE :

PCSLFIE COST4 PCSLSUP DATE : 10/10/83 TIME: 13:39:21

BEGINNING OF STUDY: 1984 DEFAULT GROWTH RATE: .10

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CAPITAL UTILIZATION CRITERIA VERSION 3 4841 PAGE 1

************ * CAPITAL. REVENUT AND FXPENST SUMMARY * **************

## SBFL OFKPS COSTS

4ALF

2002 2003 2004

## PC-SL FIPER

#### NON-DISCOUNTED

		IDEOUNIED .	
FAIT	CAPITAL	EXPENSES	PFVFNUES
1985 1987 1988 1989 1980 1981 1992 1993 1985 1996 1996 1999 2020 2021	4234.1 1136.6 783.7 859.5 974.6 952.7 1028.6 1104.1 3745.1 1289.6	24F.6 328.1 436.7 561.9 707.0 873.3 1063.6 1281.4 1795.3 2101.6	

RESNORK FILE: PCSLFIB
COST FILE: COST4
UFF FILE: PCSLSUP

DATE: 10/10/83 TIME: 13:39:21 PEGINNING OF STUDY: 1984 DEFAULT GROVTE PATE: .10

# OFNPS EQUIPMENT PEQUIPMENT SUMMARY ALL LOCATIONS

YEAR!	19	35	1	198	B€ 1	19	B7	1	19	88	1 19	69	!
1 422	QTY 1	IFC	1	QTT !	IFC !	QTY 1	1FC	!	QTY 1	IFC	! PTO!	IF	r :
SIBAI	30!	379	B1!	181	230.961	_	168.0		121			196	
<b>0123</b>	3591	294.	661	194!	170.38!	1371	128.74		131!	131.72		140	
4 CE UNI T	26111			45631	568.201	32011	426.56	7 1	3193!	455.20		467	53
35 <b>9</b> 71XA	4!	107.	-	01	6.0 1	01		1	e 1	2.0	-	6	e
351 VSTS	18!	145		3!	24.24!		0.0	1	31	24.24			16
35LWDS3	451	78.		121	19.64!	2!	0.0	I	61	9.66		9	
XZFAY	4!	18.		61	0.0 1	01	6.6	_	61	6.6	-		P
73PFT	9!	183.	-	21	40.861	1!	20.43		1!	20.43		48	86
x3DS1	722!	200.		2581	76.661	140!	40.04		134!	38.32		38	
35 IPBAY	2!	32.		61	0.e 1		0.0	I	01	6.6	-	15	
35PPTR	51	46.		01	ø.e !	0!	0.2	I	eı	e.e	3!	27	_
IFIS ^C	4!	231.		61	0.6 1	61	0.0	Ī	0!	9.0	1 61	e	P
: IETLR~	201	41		21	4.20!	61	6.6	I	61	0.0	1 61	e	_
FIFFAN	221	14.		21	1.42!	61	0.0	I	91	e.e	11	P	_
-	371	234.			0.6 1	61	0.0	I	eı	0.0	9!	9	9
3 <u>.</u>	54!	6.6.		61	0.0 !	61	0.0	1	61	2.0	1 01	Ø	_
52!i	981	549	171	91	2.0 1	61	0.0	I	61	0.0	[	0	e
STAL	<b>-</b>	4169.	33!	<b></b>	1136.561		783.7	5 I		859.51	 !	574	62

TIARI	19	92 !	19	91 1.	19	92 1	19	93 !	19:	54
:E* !	QTY !	IFC !	QTT 1	IFC !	ott i	IFC !	QTY 1	IFC !	QTY I	IFC
31FAY	121	205.851	121	222.261	12!	235.681	351	763.84!	121	275 12
-I CLE3	1371	157.71!	1331	163.82!	134!	176.611	3991	562.68!	130!	196 1
ECHUNIT	31991	522.15!	31941	557.821	31991	597.811	9436!	1886.791	31971	523 98
FBY1X.	21	e 0 !	61	0.2 1	€!	0.0 1	11	26.84!	2!	e e
<b>SELWSYS</b>	01	6.0 !	21	16.16!	31	24.241	FI	48.501	21	16 1€
SELVIS3	41	6.531	61	9.801	61	9.801	261	32.721	F1	9 22
:3FB <b>Y</b>	1!	20 43!	11	20.431	11	20.431	31	61.32!	31	61 25
.3D\$1	1401	40.041	1361	38.901	1381	39.481	4021	114.97!	1321	37 76
Sapta	ØI	0.0 1	61	0.0 1	21	6.0 !	01	0.0 1	11	9 33
TETERM	Ø1	e.e 1	0.1	0.0 1	Ø!	e.e !	41	8.40!	6.1	6 6
IEFAN	ØI	0.0 1	21	1.421	01	0.0 1	41	2.84!	e i	e e
40	Øl	0.01	01	0.0 !	21	2.2 1	361	236.231	61	& 6
IAL		952.721		1628.621		1104.051		3745.121		128S : 1

TEAR! 1995 ! 1996 ! 1997 1 1998 1 1999 11 JE" ! QTY! IFC ! QTY! IFC ! QTY! IFC ! QTY! IFC ! QTY! IFC IJTIBAY . 11 CDE3 ID4CHULIT : 1135LVSYS 1135L+DS3 14X3PAT IMX3FBY IMX3DS1 LAERPEAY E-CRPTR LCIEFAL YFAR! 2000 ! 2001 ! 2002 ! 2003 ! TIEM I QTY I IFC I QTY I IFC I QTY I IFC I QTY I IFC E 1EAT SEUNIT JEY1XN 3511SYS 351Y253 **F3FEY** XEDS1 355.PTR FIFFAR TAT

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COST FILE: PCSLFIB
COST FILE: COST4
CSUPP FILE: PCSLSUP

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DATE: 10/10/83
TIME: 13:39:21
BEGINNING OF STUDY: 1984
DEFAULT GROWTH RATE: .10

#### OFNPS EQUIPMENT REQUIREMENT SUMMARY 1 LINES: 210 NOPFS: SA

TEARL	198	35	1	198	3€	1	198	7 1	198	38 1	195	9
ITIP 1	CTY 1	IFC	1	QTY 1	IFC	1	OTY !	IFC 1	QTY I	IFC !	CIY!	IFC
Silai	31	36.2	 5!	61	64.7	'3!	3!	34.631	31	37.051	2!	26 43
L4MOIE3	21!	17.2		51!	44.7		23!	21.611	22!	22.12!	21!	2? 59
C4CEUNIT	5281	61.4	51	12081	150.4	31	5261	70.09!	5251	74.841	574!	79 54
35P71Z4	11	26.€	41	21	0.0	1	21	0.0 1	<b>e</b> 1	e.e 1	61	66
BELWEYS	41	32.3	31	11	8.0	81	61	0.8 1	11	e.0e1	21	e e !
35LVDS3	11!	17.9	51	41	6.5	51	21	0.6 1	1!	1.631	11	1 63
12 EFAT	1!	4.7	3!	61	0.0	: 1	61	2.0 1	21	0.0 !	<b>C!</b>	08
TSFBY	21	42.8	71	21	0.0	1	1!	20.431	01	0.01	61	8 8 3
X3DS1	121!	34 6	11	851	24.3	11	23!	6.581	221	6.291	21!	6 21
ZERPBAY	11	15 1	81	0!	6.6	1	21	2.6 1	61	0.9 1	61	8 8
35 1P17	2!	18.5	51	01	0.0	1	Ø !	0.0 1	2.1	8.2 :	11	9 33
JSI 🗽	1!	57.9		01	0.0		61	0.0 1	21	2.6 1	61	2 2
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EFAM	61		71	11	0.7		21	6.6 1	61	9.0 !	Ρį	0 2
36L	541	606.9		ei	e.e	-	ēi	e.e i	øi	0.6	0 :	2.6

	TEARI	199	90 1	199	1 1	199	2 1	19	93 !	19	94 1
	I ME!	OTY !	IFC 1	QTI 1	IFC 1	QTY 1	IFC !	QTY 1	IFC !	OTY	IFC !
	1BAY	3!	42.421	31	45.391	31	48.571	31	51.97	2!	37 67
	CODES	22!	25.331	221	27.101	23!	30.311	221	31.031		30 16!
	CEUWI"	5261	85.861	5251	91.f81	52E!	98.301	5241	104.78		112 32!
	ELVSYS ELVDS3	21	0.0 1	01	6.01	11	8.081	81	e.e		P 6 1
	3FBT	0 ! 6 !	0.0 ! 0.0 !	1! 2!	1.631 0.0 1	2! 11	3.27!	ØI	2.2	1!	1 53!
ŧ	3D51	221	6.291	221	6.291	23!	20.431 6.58!	221	6.29	201	9 6 1
1	7		0.291	221 	0.291	231	0.581	221	6.29	5k1	5 72

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YFAF! 1995 ! 1996 ! 1997 1 1998 1 HITE I QTI I IFC I QTY I IFC I QTY I IFC I QTY I IFC I OTY I IFC IDS1FAY . 11 0273 ID4CHU: IT 1135LVSYS !135IVDS3 MASFET !YX3DS1 135RPBAY 13ERFTR 1 2002 1 2003 1 2004 YIAP! 2000 ! 2001 ITE" 1 QTI 1 IFC 1 QTI 1 IFC 1 QTY 1 IFC 1 QTY 1 IFC 1 QTY 1 IFC DS1PAY OPI3 HU: IT 135LWSYS 135INIS3 1X3FBT MIZDS1

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COST FILE: PCSLFIB
COST FILE: COST4
SUPP FILE: PCSLSUP

DATE: 10/10/83 TIME: 13:39:21 BEGINNING OF STUDY: 1964 DEFAULT GROWTH RATE: .10

#### OFNPS EQUIPMENT REQUIREMENT SUMMARY 2 LINES: 206 NODFS: PC

YEARI	198	35	1 19	8 <b>6</b> 1	198	7 1	198	38 1	198	9
	QTY 1	IFC	1 QTY 1	IFC !	QTI 1	IFC !	QTY 1	IFC !	CIX 1	IFC
ELAY	31	38.83	1 51	69.261	21	29.651	15	31.731	31	50 90
AMODE3	401	32.83	1 561	49.181	281	26.31!	27!	27.151	26!	27 97
ACEUNIT	913!	196.26		165,491	6471	86.20!	6451	91.951	646!	95 EE
35BY1X	1!	26 64	. 01	0.0 1	61	0.0 1	ØI	e.e :	61	6.6
.35.VSYS	2!	16 17	1 11	8.021	2!	0.0 1	11	8.281	19	26
13ELVDS3	51	8 18	1 41	€.551	61	0.0 1	11	1.63!	1!	1 63
TAILE	11	4.73	1 01	e.e !	<b>e</b> !	0.0 1	e!	0.01	2!	00
ZSFFY	11	27.43	1 11	20.431	61	2.0 1	<b>e</b> 1	P. E 1	61	e e !
'X3D£1	28!	8.01	911	26.031	261	8.011	271	7.72!	261	7 44!
LTMIEC	11	57 94	1 61	2.0 1	01	0.0 1	61	P.0 1	13	2 6 3
LCIETERM	31	6.30	1 11	2.101	61	2.0 !	e i	e.e !	7!	8 6 1
SSITEAL	3!	2.14	1 11	0.711	61	0.0 t	61	2.8 1	2!	2 8 9
Seren.	371	234 54	1 01	0.P 1	21	0.0 1	01	2.6 1	e 1	66

YEAR!	199	90 . 1	199	91 1	19	92 !	19	1 38	199	94
177: 1	CLA 1	IFC 1	QTT 1	IFC 1	QTY !	IFC 1	QTY !	IFC !	Cla 1	IF
US1 PAY	2!	36.321	21	38.861	2!	41.591	141	311.43!	2!	47 61
Let Oliz	28!	32.231	261	32.231	281	36.921	1601	225.64!	26!	39 23
TINGEST	£46!	175.44!	6451	112.641	6461	120.721	3766!	753.25!	6471	132 42
1361VSTS	2!	0 2 I	11	8.08!	61	0.2 1	31	24.25!	11	8 68
135LWD53	11	1.631	11	1.731	21	3.271	91	14.731	11	1 63
Mizifi	11	27.431	61	2.2 1	61	0.0 1	11	28.43!	11	20 43
1: Z3I:S1	261	8.011	261	7.44!	281	8.01!	1621	45.7f1	2¢ I	7 44
icieter 🦘	21	201	91	6.0 1	61	6.0 1	21	4.20!	21	6 5
LCIEFAN .	e i	6.8 1	61	0.6 1	61	6.6 1	21	1.421	61	e 2
<i>6</i> 2										
0			·							

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NEIVORK FILE: PCSLFIB
COST FILE : COST4
SUFP FILE : PCSLSUP

DATE: 12/16/83 TIME: 13:39:21 BEGINNING OF STUDY: 1984 DFFAULT GROWTH RATE: .12

#### OFNPS EQUIPMENT REQUIREMENT SUMMARY 3 LINES: 202 NODES: PH

TEAP!	19	85 1	198	6 1	198	7 1	198	8 1	198	ge !
EH I	1 TTP	IFC 1	QTY 1	IFC 1	OTT 1	IFC !	QTY 1	IFC :	CIX 1	IFC !
DS1PAY	111	142.421	21	27.71!	21	29.651	21	31.73!		33 95!
D4FODE3	1371	112.45!	251	21.961	241	22.551	23!	23.13!		25 £2!
L4 CBUNIT	3281!	381.841	5781	71.981	5771	76.871	5771	82.251	_	88 611
135BY1XN	11	26 841	21	0.6 1	Øl	6.6 1	Ø!	e.ø 1	61	ø e i
1351VSYS	61	48.501	61	9.6 1	Ø!	Ø.2 1	Ø 1	e.e 1	11	e efi
1351¥IS3	161	26.171	11	1.63!	<b>0</b> !	6.0 1	11	1.631	1!	1 63'
F:X3EAY	11	4.73!	61	0.01	Ø 1	0.0 1	Ø!	6.6 1	01	e e !
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MX3DS1	2431	69.501	261	7.441	241	6.861	241	6.86!	25!	7 151
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A copy of the agenda may be obtained by writing to the Loxabatchee River Environmental Control District, P.O. Box 396, Jupiter, Florida 33468.

The Sarasota-Bradenton Urbanized Area Metropolitan Planning Organization announces a public meeting to which all persons are invited:

DATE AND TIME: Monday, February 13, 1984 at 2:00 P.M.

PLACE: Sarasota-Bradenton Airport Board Room, 6121 General Twining Ave., Sarasota, FL

PURPOSE: Regular meeting of the Metropolitan Planning Organization

A copy of the agenda may be obtained by writing: Sarasota-Bradenton MPO, Post Office Box 8, Sarasota, Florida 33578-0008

The Sarasota-Bradenton Urbanized Area Metropolitan Planning Organization announces a public meeting to which all persons are invited:

DATE AND TIME: Thursday, February 16, 1984 at 7:00 P.M.

PLACE: Sarasota-Bradenton Airport Board Room, 6121 General Twining Ave., Sarasota, FL

PURPOSE: Special meeting with the state legislative delegation to discuss transportation issues

A copy of the agendarmay be obtained by writing: Sarasota-Bradenton MPO, Post Office Box 8, Sarasota, Florida 33578-0008

The Florida Game and Fresh Water Fish Commission announces a workshop and public meeting to which all interested persons are invited:

DATE AND TIME: Workshop, March 8, 1984, 1:30 p.m.; Public meeting, March 9, 1984, 9:00 a.m.

PLACE: Farris Bryant Building Auditorium, 620 South Meridian Street, Tallahassee, Florida 32301

GENERAL SUBJECT MATTER TO BE CONSIDERED: Consideration of Commission business pertaining to wild animal life and freshwater aquatic life. A meeting, for the purposes of notice herein, is limited to a gathering of Commissioners for the purpose of conducting public business. Proposed rules, orders, or other public business will be specified by the agenda.

NOTICE: If a person decides to appeal any decision made by the Commission with respect to any matter considered at this meeting or hearing, he will need a record of the proceedings, and for such purpose he may need to ensure that a verbatim record of the proceedings is made which record includes the testimony and evidence upon which the appeal is to be based.

A copy of the proposed agenda may be obtained from the Game and Fresh Water Fish Commission, 620 South Meridian Street, Tallahassee, FL 32301.

The Suwannee River Water Management District announce public meetings to which all interested persons are invited. DATE AND TIME: February 16, 1984; 10:00 a.m.—Personnel Committee Meeting; 10:30 a.m.—Land Acquisition Committee Meeting; 11:30 a.m.—Rules Committee Meeting; 1:00 p.m.—Board Meeting

PLACE: District Headquarters, Hwy 49 & 90, Live Oak, Florida 32060

PURPOSE: Consideration of District business

A copy of the agenda may be obtained by writing SRWMD, Route 3, Box 64, Live Oak, Florida 32060.

If a person decides to appeal any decision made by the Board with respect to any matter considered at the meeting, he will need to insure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

#### SECTION VII

#### NOTICES OF PUBLIC HEARINGS

The State of Florida, Education Practices Commission announces a public hearing to which all persons are invited. DATE & TIME: Thursday, February 23, 1984 at 9:00 a.m. PLACE: Hillsborough County School Board Office, 901 East Kennedy Boulevard, Tampa, Florida.

PURPOSE: A panel of the Commission will consider final agency action in matters dealing with the disciplining of Educators. If a person decides to appeal any decision made by the Commission with respect to any matter considered at these hearings, he or she will need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based. A copy of the agenda may be obtained by writing to the Education Practices Commission, 125 Knott Building, Tallahassee, Florida 32301.

The Department of Transportation announces a public hearing to which all persons are invited.

DATE AND TIME: February 21, 1984; 7:30 P.M.

PLACE: Winegard Elementary, 7055 Winegard Road, Orlando, Florida.

Orlando, Florida.
PURPOSE: This

PURPOSE: This hearing is held to afford citizens an opportunity to comment on location, design concepts, social, economic and environmental effects of six laning of SR 482 (Sand Lake Road) from U.S. 441 (Orange Blossom Trail) to SR 527 (South Orange Avenue). State Project Number 720021524, Work Program Number 5114122, Federal Aid

720021524, Work Program Number 5114122, Federal Aid Project Number M-8760(3), Orange County, Florida.

A copy of the agenda may be obtained by writing to: District Engineer, C.A. Benedict, P.E., Florida Department of Transportation, Post Office Box 47, Deland, Florida 32721-0047.

DISTRICT STAFF MGR.

SANDLAKE



G.E. OLSEN
District Manager-Distribution E and A

7900 Mandarin Boulevard - Room 207 Orlando, Florida 32809 Phone (305) 351-9962 April 12, 1984

Mr. D. S. Walker, Jr.
Assistant Vice President-Public Affairs
311 S. Calhoun Street
Room 202
Tallahassee, Florida 32301

Mr. C. A. Benedict
District Engineer
Department of Transportation
P. O. Box 47
Deland, Florida 32701-0047

Dear Sirs:

On February 21, 1984 a representative from our Distribution Department attended a public hearing held in Orlando, Florida to review plans for the proposed six laning of SR 428 (Sand Lake Road) from U.S. 441 (South Orange Blossom Trail) to SR 527 (Orange Avenue) under State Project number 720021524, Work Program Number 5114122, Federal Aid Project M-8760 (3), Orange County, Florida for which bids are to be let in mid 1985.

Upon reviewing the preliminary plans available at the meeting, it was determined that our existing sixteen duct structure on Sand Lake Road and manholes in or around the intersections of South Orange Blossom Trail and South Orange Avenue along with all existing underground and buried cables will have to be relocated to accommodate the widening for this roadway project. The costs to relocate our facilities and dig up and remove existing conduits and manholes as required by the Department of Transportation will be approximately \$3,203,130.

The first phase of construction is presently planned to start in the first quarter of 1985 and must be completed prior to the opening of the Florida Mall. Plans for this phase of construction are being prepared by Greiner Engineering of Tampa, Florida and were not available for inspection at the public hearing. Therefore our final plans in this area are subject to revision.

Relocation work of our structure cannot begin until all work operations within the proposed right-of-way are completed to final grade. Once this work is completed we will require a minimum of eighteen months to build the new duct structure, place our cables and complete the necessary cutover work. An additional four months will be required to dig up and remove the existing structure and cables.

Yours tru

cc:

Mr. J. Haynie

Mr. A. C. Bowen

Mr. W. H. Bellinger

Mr. J. C. Miller

bcc: Mr. R. C. Pickels

Mr. R. Browning

Mr. M. Wright

Olsen- District Manager

10 ORLANDO N F51259 20-50 D 85C TRUNK 30 NL 24 FIBERS 234503 .49 .030 40 NL INNERDUCT 41632 .28 .145 45 NL INNERDUCT 22482 .31 .145 50 0S 18851 60 LA .10 70 E0A 80 77C D 90 OS 1818 100 EDA 110 4H 120 MANEHOLE PUMP 49 200 130 E0A 140 5M D 150 D 874 60 160 EOA 170 <del>-5C</del> D 85C SUBSCRIBER 180 NL 64 FIBERS 219280 .49 0 190 DS 21600 200 LA .10 210 EDA

*RUN 0772/BGCOP;R BROAD=GAUGE III VERSION GHQ1 1/18/78

## CONSTRUCTION DETAILS

ORLANDO N AUTHORIZATION NUMBER	P51259		
CLASS OF PLANT UNDERGROUND-CABLE-EX	FIELD CODE 50 85C TRU	NK	
ITEM DESCRIPTION	QUANTITY	UNIT PRICE	ТИПОМА
MATERIAL	•		
24 FIRERS INNERDUCT INNERDUCT MATERIAL LOADING (TOTAL COST EXEMPT MATERIAL (35182.6 WU ) TOTAL MATERIAL			114906.47 11656.96 6969.42 16037.30 16606.20 166176.35
PLACING LABOR SPLICING LABOR TOTAL LABOR	16331.62 WU 18851.00 WU	2,75 2,75	44911.96 51840.25 96752.21
LABOR ADJUSTMENT TOTAL LABOR (INCLUDING ADJUST	10.00 %		9675.22 106427.43
ENGINEERING OTHER EXPENDITURES	35182.62 WU	1.21	42570.98 25.25
TOTAL			315200.00
PRODUCTIVITY RATIO = 16.37		\$1 \$	. <b>,</b>

#### CONSTRUCTION DETAILS

AUTHORIZATION NUMBER	F51259
CLASS OF PLANT	FIELD CODE
COE-ELECTRONIC	77C

ITEM DESCRIPTION	QUANTITY	UNIT PRICE	ТИПОМА
MATERIAL LOADING (TOTAL CO	ST X 0.050)		o. o.
SPLICING LABOR TOTAL LABOR	1818.00 WU	2.75	4999.50 4999.50
ENGINEERING OTHER EXPENDITURES	1818.00 WU	1.22	2217.97 82.53
TOTAL			7300.00

PRODUCTIVITY RATIO = 16.37

DRLANDO N

7300.00

# R- 3 BATE 06/02/84 TIME 8.557

## MAINTENANCE DETAILS

ORLANDO N AUTHORIZATION NUMBER	P51259			
CLASS OF PLANT UNDERGROUND-COND	FIELD CODE 4M			
ITEM DESCRIPTION	QUANTITY	UNIT PRICE	THUOMA	
MANEHOLE PUMP	49	200.00	9800.00	
TOTAL MAJOR ITEMS			9800.00	
TOTAL LABOR			0.	
OTHER EXPENDITURES			0.00	
TOTAL			9800.00	

# R- 4 DATE 06/02/84 TIME 8.557

## MAINTENANCE DETAILS

DRLANDO N AUTHORIZATION NUMBER	P51259		
CLASS OF PLANT UNDERGROUND-CABLE	FIELD CODE 5M		
ITEM DESCRIPTION .	QUANTITY	UNIT PRICE	AMOUNT
MATERIAL LOADING (TOTAL COST EXEMPT MATERIAL ( 10.2 WU X TOTAL MATERIAL			0. 1.90 1.90
PLACING LABOR TOTAL LABOR	10.20 WU	1.49	15.20 15.20
ENGINEERING OTHER EXPENDITURES	10.20 WU	0.90	9.19 3.72
TOTAL			30.00

PRODUCTIVITY RATIO = 21.86

# R- 5 DATE 06/02/84 TIME 8.557

## CONSTRUCTION DETAILS

ORLANDO N AUTHORIZATION NUMBER	P51259			
CLASS OF PLANT UNDERGROUND-CABLE-EX	FIELD CODE -50 850 SVS	ECRIBER		
ITEM DESCRIPTION	QUANTITY	UNIT PRICE	TAUOMA	
MATERIAL				-
64 FIBERS MATERIAL LOADING (TOTAL COST EXEMPT MATERIAL (21600.0 WU X TOTAL MATERIAL		0.49	107447.20 12904.41 10195.20 130546.81	/
SPLICING LABOR TOTAL LABOR	21600.00 WU	2.75	59400.00 59400.00	
LABOR ADJUSTMENT TOTAL LABOR (INCLUDING ADJUST	10.00 % TMENT)		5940.00 65,340.00	/
ENGINEERING OTHER EXPENDITURES	21600.00 WU	1.22	26352.01 61.19	V
TOTAL			222300.00	1

#### SUMMARY SHEET AUTH NO.P51259

•	GROSS	PLANT		COST OF	MAIN-
CLASS OF PLANT	ADDS	RETIRED	SALVAGE	REMOVAL	TENANCE
UNDERGROUND-COND	0	0	0	0	9800
UNDERGROUND-CABL	537500	0	0	0	30
COE-ELECTRONIC	7300	0	0	0	0 /
					/
	544800	/ 0	0	0	9830 ^V

TOTAL 0. MCF

TOTAL CONTRACT \$ 0.

PLAC SPLIC REMOVAL TOTAL WORK UNITS 16341.8 42269.0 0.

GROSS EXPENDITURES \$ 544800.

NET REQUIREMENTS \$ 544800.

NET ADDITIONS \$ 544800.

F01B14Z 00935



## Approvals — Estimate No.

			11-5/26
State/Area Florida/North Division Central District Orlando Exchange District Wide Location District Wide	e Title / BellSou	ith Communications No Trunk Cable	CTAF MARAGEA SIGNEERING
Date August 9, 1985	Project No. 06X	53233	Area No. (Eqpt. Or Bidg.) —
Gross Expenditures	Net Requirements	Gross Additions To Plant	Net Additions To Plant
<b>1</b> ,689,400 /	<b>\$</b> 1,689,400 \( \square\$	<b>\$ 1,689,400</b> /	<b>\$</b> 1,689,400 🗸
Plant Retired \$ -	Amount To Be Billed Others  -	SHORT TERM	Associated Expense \$ 4,800 ~
Order Due Date November 15, 198	Physical Work To Be Started About	January, 1986	And Completed About September, 1986
Nature And Necessity Of Work:		<del>-</del>	
dent territory) by war between the Oviedo and duit with associated rangements. This trunking requirements with the No. 5 ESS cur. The proposed fiber opissue of the North Flottrunk network in the Ovieto and Dental Research Control of the North Flottrunk network in the Ovieto and Dental Research Control of the North Flottrunk network in the Ovieto and Dental Research Control of the North Flottrunk network in the Ovieto and Dental Research Control of the North Flottrunk network in the Ovieto and Dental Research Control of the North Flottrunk network in the Ovieto and Dental Research Control of the North Flottrunk network in the Ovieto and Dental Research Control of the North Flottrunk network in the Ovieto and Dental Research Control of the North Flottrunk network in the Ovieto and Dental Research Control of the North Flottrunk network in the Ovieto and Dental Research Control of the North Flottrunk network in the Ovieto and Dental Research Control of the North Flottrunk network in the Ovieto and Dental Research Control of the North Flottrunk network in the Ovieto and Dental Research Control of the North Flottrunk network in the Ovieto and Dental Research Control of the North Flottrunk network in the Ovieto and Dental Research Control of the North Flottrunk network in the Ovieto and Dental Research Control of the North Flottrunk network in the Ovieto and Dental Research Control of the North Flottrunk network in the Ovieto and Dental Research Control of the North Flottrunk network in the Ovieto and Dental Research Control of the North Flottrunk network in the Ovieto and Dental Research Control of the North Flottrunk network in the Ovieto and Dental Research Control of the North Flottrunk network in the Ovieto and Dental Research Control of the North Flottrunk network in the Ovieto and Dental Research Control of the North Control of the North Flottrunk network in the Ovieto and Dental Research Control of the North Control of the North Control of the North Control of the North Control of the North Control of the Nort	y of the Oviedo, So defense Central Commanholes are proposed work is necessary for the BellSouth tover of the Sanfottic trunking faciliarida Area Trunk Coviedo, Geneva, Sa	Sanford and Debary Williams Defices. In additionable of the Debary of the Debary of the Debary of the Communications Network Central Office. Lities are in accordance of the Program. They and Debary Exemptored and Debary Exemptored and Debary Exemptores.	ity, Florida (in indepen- ire Centers and the other n, 3,700 feet of main con- Central Office north to ecasted exchange growth, the work (BSCN) and to coincide  ance with the December, 1984 will be part of the LATA changes. The proposed con- re sized based on fore-
ties be available for	testing by June 1	L, 1986.	d that the proposed facili-
F. C. C. Authorization Required —	YesNo_X P. C.	. No. Approsappi, No.	Date
		·	
District Manager Engineering Ma	anager	Assistant Vice President-	
Division Manager Operations Man	nager	Vice President- Networ	k/Florida
Division Manager-		Vice President-	
General Manager Network/North	Florida	Vice President-	
General Manager-			
General Manager-		Executive Vice President-Network	rk

Executive Vice President-Network

It is proposed to place a single mode, stranded, fiber optic cable with twelve fibers allocated for trunking between the southern Oviedo Exchange Boundary and the northern city limits of Orange City, Florida (in independent territory). A six fiber single mode, stranded, trunking cable is proposed between the Oviedo and Geneva Central Offices. This proposal is in conformance with each of the current approved Outside Plant Plans and is funded in the current Outside Plant Budget.



# Accounts Chargeable Estimate No._____

	<u> </u>					<del> </del>	Sheet	1 of 1
outside Plant C	Contract Cost \$	265,535		Pro	ject No. GOORES	еритрх⊗лаек	53233	
Location/ Area No.	Account/ Code	Gross Additions	Plant Retired	Salvage	Cost Of Removal	Expenses	Interest	TELCO Eng.
A	В	С	D	E	F	G	н	l
	4C	194,800	-	_	_	-	_	· <b>-</b>
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33307	86C	4,350	-	_	-	-	-	-
	845C	548,400		-	-	-	-	42,31
	4M	-	-	-	_	4,300	-	_
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	Prior Year (s)			-	<u> </u>			ļ
Total	Current Year Subsequent Year	153,750		-	<del>-</del> -	4,800	_	122,64

Summary Of Effect On The Accounts						
Gross Expenditures-Total Column (C) Plus Column (F)	1,689,400					
Net Requirements-Total Column (C) Plus Column (F) Minus Column (E)	1,689,400					
Net Additions-Total Column (C) Minus Column (D)	1,689,400					

Estimate Prepared By	G. L. Brown, Jr.		
R.C. Engr.	N21241000		
R.C. Const. Mgr. (Dist.)	N21234000		

#### ASSOCIATED UNDERTAKING SHEET

This estimate is part of an Outside Plant Undertaking to provide trunk fibers for the BellSouth Communications Network (BSCN) and the addition of a No. 5 ESS Central Office addition in Sanford, Florida.

Estimated expenditures for the total undertaking are as follows:

Authorization	Description	Gross Additions
Project 53233 (This submittal)	BellSouth Communications Network - Fiber Trunk Cable	\$1,689,400
Project 52198 (Previously submitted)	Fiber Trunk Cable Azalea Park and East Orange	\$ 619,300
Project 53105 (To be submitted)	Wire Center Replacement Sanford	\$ 40,000
173259 (Previously submitted)	SNFRFLMADSO 5ESS	\$9,796,000
	Total	\$12,144,700

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## COST DETAILS

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## OUTSIDE PLANT MATERIALS

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## COST DETAILS

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31!	86C	1	GEN		!GENERAL		1	76
!		1	CTB			BILLING	1	1P824
1		1	TOT	1	ITOTAL		1	18900
331	4M	1	CTB	!	ICONTRACT	BILLING	2	V4300
34!	4R	1	CTB	1	ICONTRACT	BILLING	1	J50.0

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# OUTSIDE PLANT MATERIALS

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Title DELAND - FIBER TRUNK State/Area FLORIDA/NORTH SOUTH OF DELAND CENTRAL OFFICE Division **EAST** District DAYTONA BEACH Exchange DELAND Location DELAND Project No. Or... Tel. Equip: Order Area No. 70767 (Eqpt: Or Bidg.) Date JULY 15, 1985 Gross Expenditures **Gross Additions To Plant Net Additions To Plant** Net Requirements \$152,100 152,100 152,100 152,100

Plant Retired Amount To Be Billed Others Type Estimate Associated Expense 500 SHORT TERM

Order Due Physical Work To Be Started And Completed Date About JANUARY, 1986 About JUNE, 1986 SEPTEMBER, 1985

Nature And Necessity Of Work:

This estimate provides for placing 27,500 feet of underground and buried twelve (12) fiber cable south from the DeLand Central Office to the city limits of Orange City. The work is necessary to provide trunks for Toll and Operator Position Service.

The area treated consists of the DeLand-Orange City section of the Daytona Beach toll serving area. This new route will provide additional requirements for future trunk services.

The DeLand-Orange City section is served by a 600 pair cable which contains both; analog carrier and voice frequency facilities. These facilities also carry extended area service and special circuits from Orange City to DeLand. The cable facilities can not provide for the forecasted growth beyond 1987.

It is proposed to place a twelve (12) fiber cable from the DeLand Central Office to the Orange City city limits to connect to the twelve (12) fibers from the DeBary Central Office associated Project 53207. This project is funded in the current Outside Plant Budget and is in accordance with the approved Bell South Communications Network Plan and the approved DeLand Outside Plant Plan.

F.C.C Authorization Required Yes_ No. X P.C. No. Appvd./Appl. No. ,Date Date Engineering Manager Assistant Vice President-Operations Manager Engineering & Assignment Vice President Operations Manager-Vice President General Manager-Network/North Florida Vice President-General Manager-General Manager-**Executive Vice President-Network** F01B14Z 00945



### Accounts Chargeable Estimate No. <u>V Soa ら</u>

Sheet_	_1_	Of	_1_

Location	Salvage E - -	Cost Of Removal F	Expenses G 500	Interest H -	TELCO Eng. 1 9,000 4,769
A B C D  85C 95,800 -  845C 56,300 -  4M -	-	-	-	-	9,000
85C 95,800 - 845C 56,300 - 4M -		-	- - 500	-	
4M -			- 500	-	4,769
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Prior Year (s)			-		
Current Year   27,100   -	-	-			

Summary Of Effect On The Accounts					
Gross Expenditures-Total Column (C) Plus Column (F)	152,100				
Net Requirements-Total Column (C) Plus Column (F) Minus Column (E)	152,100				
Net Additions-Total Column (C) Minus Column (D)	152 100				

Estimate P	repa	red E	Ву		
	E.	D.	BLAKE,	ENGINEER	
R.C. Engr.					
	N2	141	2000		
R.C. Const	. Mg	r. (Di	st.)		
	N2	1614	4000		

### COST DETAILS

ARE	A:NORTH F	LOk	I I: 4		(T1	TRANSACTION)	DATE	09/01/85
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32!	845C	!			!GEN FRAL		1	45250
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<b>,</b>			TOT	Ţ	!TOTAL		!	56300
321	95.5	!	G EN	!	IGENERAL	•	!	95800
34:	4M	!	CIB	:	CONTRACT	BILLING	!	527

AREA: NORTH FLORIDA		DATE	08/01/85
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-F3- 080285 2411/080285 2429

FQ1B14Z 00949

Estimate No. - ラひとり 111-641 SUPPLEMENT NO. ONE Title DELAND - FIBER TRUNK SOUTH OF State/Area FLORIDA/NORTH DELAND CENTRAL OFFICE Division District DAYTONA BEACH Exchange DELAND Location DELAND Area No. Project No. Or 370767 (Eqpt: OrBidg.) Date Tel. Equip. Order JUNE 11, 1986

Net Requirements

43,104

Amount To Be Billed Others

Nature And Necessity Of Work:

OCTOBER 10, 1985

Gross Expenditures

Plant Retired

Order Due

Date

43,104

This supplemental estimate provides for an increase of gross expenditures on Estimate V-5026 which received executive approval on August 26, 1985. This estimate was approved to place 27,500 feet of underground and buried twelve (12) fiber cable south from the DeLand Central Office to the city limits of Orange City.

Physical Work To Be Started About DECEMBER 11, 1985

**Gross Additions To Plant** 

SHORT TERM

43,104

Type Estimate

Net Additions To Plant

43,104

Associated Expense

And Completed JULY, 1986

All work on this estimate will be completed as originally authorized. There will be a slight decrease in material costs and a slight increase in other (material handling) costs due to broadgauge estimation. There will be an increase in labor costs due to an underestimation of hours required for placing innerduct and splicing cables. There will be an increase in contract costs due to rodding and taping of ducts in the underground and congested right-of-way which required additional trenching costs. The increase in engineering costs are attributed to a broadgauge underestimation of hours required to prepare drawings, coordinate with construction on the placing of the cable and handling all other problems associated with turning this cable up by the desired service date. This supplement is being prepared after-the-fact, with supplemental levels being reached in April, 1986.

This supplemental estimate is to authorize an increase in gross expenditures of \$43,104 as detailed on the attached cost deviation sheet. An after-the-fact data phone message was sent May 22, 1986.

F.C.C. Authorization Required— Yes No_X_	P.C. No. Appvd.	JAPPI. No. 8 12 86	
(i) · (i) ()	Date		Date
Engineering Manager	E	Assistant Vice President-	
Operations Manager Engineering & Assignment		Vice President Network/Florida	-
Operations Manager-		Vice President-	
General Manager Network/North Florida		Vice President-	
General Manager-			
General Manager-		Executive Vice President-Network F01B14	Z 00950



# Accounts Chargeable . Estimate No. <u>V-5026 SUPPLEMENT NUMBER ONE</u>

Sheet 1 of 3

ocation/	Account/ Code	Gross Additions	Plant	Salvage	Cost Of Removal	Expenses	Interest	TELCO Eng.
Area No.		C	Retired D	E	F	G	Н	1
A	В			<u> </u>				
	85C	19,381	-	-	<u> </u>	-	-	18,721
	845C	23,723	-	-	-	<b>-</b>	-	3,780
	4M	-	-	_		-	-	-
	•				<u> </u>			
	Prior Year (s)							
	Current Year	43,104		-				
Total	Subsequent Year	-43,104	_	_	-	i _	_	22,5

Summary Of Effect On The Accounts						
Gross Expenditures-Total Column (C) Plus Column (F)	43,104					
Net Requirements-Total Column (C) Plus Column (F) Minus Column (E)	43,104					
Net Additions-Total Column (C) Minus Column (D)	43,104					

Estimate Prepared By					
	P.	C.	LYON,	ENGINEER	
R.C. Engr.					
	N2	141	2000		
R.C. Const. Mgr. (Dist.)	)				
•	N2	104	4000		



Accounts Chargeable Estimate No. V-5026

Sheet 2 Of 3

ocation/ Area No.	Account/ Code	Gross Additions	Plant Retired	Salvage	Cost Of Removal	Expenses	Interest	TELCO Eng.
A	В	С	D	E	F	G	Н	ı
	85C	95,800	-	<b>-</b>	_	_	-	9,000
	845C	56,300	-	_	_	_	-	4,769
	4M	-	-	-	-	500	-	-
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	Prior Year (s)	33 115	_	_	<del>                                     </del>			
	Current Year	33,115 118,985		<del>-</del>	<del>                                     </del>		<u> </u>	+
Total	Subsequent Year	-		_	_	500	_	13,76

Summary Of Effect On The Accounts						
Gross Expenditures-Total Column (C) Plus Column (F)	152,100					
Net Requirements-Total Column (C) Plus Column (F) Minus Column (E)	152,100					
Net Additions-Total Column (C) Minus Column (D)	152,100					

Estimate Prepared By				
	Ε.	D.	BLAKE,	ENGINEER
R.C. Engr.				
	N2	141:	2000	
R.C. Const. Mgr. (Dist.)				
	N2	1044	4000	



# Accounts Chargeable Estimate No. v-5026 AND SUPPLEMENT NUMBER ONE

Sheet___3__0r__ 3

	Contract Cost \$ 2		Division 1			Eqaip:Order 3		<del></del>
Location/ Area No.	Account/ Code	Gross Additions	Plant Retired	Salvage	Cost Of Removal	Expenses	Interest	TELCO Eng.
Α	В	С	D	Ε	F	G	Н	
	85C	115,181	-	-	-	-	<del>-</del>	27,72
	845C	80,023	-	-	-		-	8,549
	4M	-	-	-	-	500	-	-
				-				
					**			
1	Prior Year (s)	33,115		_	-			
~	Current Year Subsequent Year	162,089		-	•	·		

Summary Of Effect On The Accounts							
Gross Expenditures-Total Column (C) Plus Column (F)	195,204						
Net Requirements-Total Column (C) Plus Column (F) Minus Column (E)	195,204						
Net Additions-Total Column (C) Minus Column (D)	195.204						

Estimate Prepared By	
	P. C. LYON, ENGINEER
R.C. Engr.	-
	N21412000
R.C. Const. Mgr. (Dist.)	
	N21044000

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## COST DETAILS

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⁻I3- 260386 0535/060386 0544

### OUTSIDE PLANT MATERIALS

AREA: NORTH FLORIDA	DATE 06/02/86
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1 IFGIINI DESCRIPTION	IPROD. IQUANTITYIUSE ! REQ.! SHIP - 1 ! CHCICE! ! TYPE! NO. !MO P YRS !
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-F3 £60386 £535/£60386 £545

APPROVALS - ESTIMATE NO. V7456										
STATE/AREA: FLORIDA DIVISION: EAST	PROJECT: 3G0367									
DISTRICT: DAYT BEACH LOCATION: PIERSON EXCHANGE	PROJECT: 360307									
TITLE: FIBER TK CABLE NORTH OF	AREA NO.: 33816 PIERSON									
GROSS EXPENDITURES \$339,066	NET REQUIREMENTS \$339,066									
GROSS ADDITIONS TO PLANT \$339,066	NET ADDITIONS TO PLANT \$339,066									
PLANT RETIRED	AMOUNT TO BE BILLED TO OTHERS									
TYPE ESTIMATE SHORT TERM	ASSOCIATED EXPENSE									
ORDER DUE START DATE 02/08/88 DATE 04/15/88	COMPLETE SERVICE DATE 07/15/88 DATE 07/15/88									
NATURE AND NECESSITY OF	F WORK BEGINS ON PAGE 2									
F.C.C. AUTH. REQ'D NO P.C.NO.APPVD	/APPL.NO. 3/23/88									
APPROVED BY: DATE	APPROVED BY: DATE									
DISTRICT ENGINEER 12/8/87	 									
	1									
OPERATIONS MANAGER	VICE PRESIDENT - NETWORK									
     General Manager	 									
· · · · · · · · · · · · · · · · · · ·	   									

This estimate provides for placing 49,940 feet of underground and buried, grade .50db per kilometer single mode, 12 fiber trunk cable between the Pierson and Pomona Park Central Offices. This work is necessary to provide additional interoffice trunks required for diversity of the BellSouth Corporate Network.

No exchange fibers are proposed for this route due to previous feeder route relief being provided in July, 1987.

Per the enclosed Executive Approval Letter from Tactical Planning, construction of interlata fiber facilities from Pierson Central Office to Pomona Park Central Office, are required in order to provide diversity for the BellSouth Corporate Network by July, 1988.

It is planned to place underground and buried fiber cable from the Pierson Central Office, north along Highway 17 to the wire center boundary located at the Volusia County Line. This cable will be spliced to a fiber cable being placed from the Pomona Park Central Office, south along Highway 17 to the Volusia County Line. This cable will be utilized to provide additional interoffice trunk capacity required for diversity of the Bellsouth Corporate Network. This project is funded in the current Outside Plant Budget and is in accordance with the approved Pierson Outside Plant Plan and the Executive Approval Letter for this undertaking.

FORM S.N. 4A-SB SHEET

#### SOUTHERN BELL ACCOUNTS CHARGEABLE, ESTIMATE NO. PROJECT NO. OR-TEL:-EQUIP:-ORDER 3G0367

TOTAL ESTIMATE

OUTSIDE	PLANT	CONTRACT	COST	\$ 105,850

OUTSIDE PLANT CONTRACT COST \$ 105,85	0	
LOC. ! ACCT ! GROSS ! PLANT ! AREA ! CODE !ADDITIONS! RETIRED ! SA (A) ! (B) ! (C) ! (D) !		! EXPENSE! INTEREST! ENG.
! ! ! ! ! 33816!5C ! 3210! .! !845C ! 333345! ! !85C ! 2511! !	 	! ! ! 460 ! ! 5588 ! ! ! 121
TOTALS 339066		56468
SUMMARY OF EFFECT ON THE ACCOUNTY  GROSS EXPENDITURES - !  TOTAL COLUMN (C) PLUS COLUMN (F)	339066	! DISTRICT: DAYT BEAC ! ! ENGINEER: PCL !
TOTAL COLUMN (C) PLUS COLUMN (F)  ! NET REQUIREMENTS - TOTAL COLUMN (C)!		! ENGINEER: PCL ! ! ! ESTIMATE PREPARED BY
PLUS COLUMN (F) MINUS COLUMN (E)  NET ADDITIONS - :  TOTAL COLUMN (C) MINUS COLUMN (D)	339066 339066	P. C. LYON PHONE NUMBER: 904-257-7934
		! RC ENGR: N2162200 ! RC CONST: N2160400

1			1
APPROV	ALS - ESTIMA	ATE NO. V7456 SUPPLE	MENT NO. 01
STATE/AREA: FLORIDA DIVISION: COASTAL		DATE:	02/02/89
DISTRICT: DAYT BEACH		PROJECT:	3G0367
LOCATION: PIERSON EXCH.	ANGE		} 
TITLE: FIBER TK CAB	LE NORTH OF	AREA NO.: PIERSON	33816   
 ====================================	=======================================		 
   GROSS EXPENDITURES	-\$102,699	   NET REQUIREMENTS	-\$102,699   -\$102,699
GROSS ADDITIONS TO PLANT		NET ADDITIONS TO PLANT	- <b>\$</b> 102,699
PLANT RETIRED	-	AMOUNT TO BE BILLE TO OTHERS	D : !
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FCC AUTH: NO PC N   APPROVED BY:   DISTRICT ENGINEER   PC N   OPERATIONS MANAGER	0.APPVD/APPI ===================================	L.NO.:    APPROVED BY:	DATE

This supplemental estimate provides for a decrease of expenditures on Estimate V-7456, which received executive approval on February 23, 1988. This estimate was approved to place 49,940 feet of underground and buried, grade .50db per kilometer single mode, 12 fiber trunk cable between the Pierson and Pomona Park Central Offices. This work is necessary to provide additional interoffice trunks required for route diversity of the BellSouth Corporate Network.

The work on this estimate will be completed as originally planned with the exception of placing 24 fibers instead of 12 per Tactical Planning request. The additional fibers resulted in additional material costs under Field Codes 85C and 845C of \$71,292. There were also additional costs under Field Codes 4C and 5C of \$3,819 that attributed to contract and labor costs for placing 4" duct crossings and contract engineering associated with support in preparing construction drawings. These additional costs will be offset by reduction in costs under Field Code 845C of \$43,501 for contract, \$38,975 for other, \$53,918 for engineering and \$41,416 for labor. This supplement is being prepared prior to reaching after-the-fact status.

This supplemental estimate is to authorize a decrease in Gross Expenditures of \$102,699 as detailed in the Engineering Notes and the Cost Deviation Sheets.

## SOUTHERN BELL ACCOUNTS CHARGEABLE, ESTIMATE NO. V7456

ACCOUNTS CHARGEABLE, ESTIMATE NO. V7456
PROJECT NO. OR-TEL:-EQUIP:-ORDER 3G0367

SUPPL OUTSI	EMENT DE PLA	NUM NT	BER 01 CONTRACT	COST \$	:	37970				
LOC. AREA (A)	! ACCT ! CODE ! (B)	! A	GROSS ! DDITIONS! (C) !	PLANT RETIRED (D)	!!!	SALVAGE!	COST OF! REMOVAL! (F) !	EXPENSE!IN (G) !	! TEREST! (H) !	TELCO ENG. (I)
	!	 !			 !	!	!		!	
33816	!4c	!	1500!		į	!	!	!	!	
	15C	!	2253!		ļ	!	!	!	!	-444
	!845C	!	-109542!		1	!	!	!	!	-53918
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TOTAL	s		-102699							-54483

SUMMARY OF EFFECT ON THE ACCOUNT	'S !
GROSS EXPENDITURES - ! TOTAL COLUMN (C) PLUS COLUMN (F) !	-102699 !
NET REQUIREMENTS - TOTAL COLUMN (C)! PLUS COLUMN (F) MINUS COLUMN (E) !	-102699 !
NET ADDITIONS - ? TOTAL COLUMN (C) MINUS COLUMN (D)	-102699 !
! ! !	! ! !

FORM S.N. 4A-SB SHEET 2

## SOUTHERN BELL ACCOUNTS CHARGEABLE, ESTIMATE NO. V7456

ORIGINAL AND PREVIOUSLY AUTHORIZED SUPPLEMENT(S)
OUTSIDE PLANT CONTRACT COST \$ 105850

LOC. ! ACCT AREA ! CODE (A) ! (B)		PLANT ! RETIRED ! (D) !		COST OF! REMOVAL! (F) !	! EXPENSE!INTEREST (G) ! (H)	! TELCO
! 33816!5¢ !845¢ !85¢	! 3210! ! 333345! ! 2511!	! ! !	! ! ! !	! ! !	! ! !	! ! 460 ! 55883 ! 125
TOTALS	339066					56468

SUMMARY OF EFFECT ON THE ACCOU	INTS !
GROSS EXPENDITURES -	7700//
TOTAL COLUMN (C) PLUS COLUMN (F) !	339066 ! !
NET REQUIREMENTS - TOTAL COLUMN (C)! PLUS COLUMN (F) MINUS COLUMN (E) !	339066 !
LEGS COLUMN (F) MINOS COLUMN (E) :	337000 :
NET ADDITIONS !	į
TOTAL COLUMN (C) MINUS COLUMN (D)	339066 !
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FORM S.N. 4A-SB SHEET 3

SOUTHERN BELL

ACCOUNTS CHARGEABLE, ESTIMATE NO. V7456 PROJECT NO. OR TEL EQUIP ORDER 3G0367

AREA !	CODE	! A D		! RETIRE	ED ! S/	ALVAGE!	COST OF! REMOVAL! (F) !	EXPENSE!INTER		TELCO ENG. (I)
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TOTALS			236367							1985
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ARTICLE VI

ASSIGNMENT OF RIGHTS

- provided in this agreement, neither party hereto shall assign or otherwise transfer this agreement, in whole or in part, without the written consent of the other party; provided that either party shall have the right without such consent, (1) to lease or transfer any of its rights or property to another corporation organized for the purpose of conducting a business of the same general character as that of such party, or (2) to enter into any merger or consolidation; however, that subject to all of the terms and conditions of this agreement, either party may without such consent permit any corporation conducting a business of the same general character as that of such party, with which it is affiliated or connecting with it, the rights and privileges of this agreement in the conduct of its said business.
- B. The wires and cables of each party hereto or of others permitted by this agreement shall at all times be and remain its or their property, with the full right of removal, and shall not become subject to any liens against the other party.

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ARTICLE V

REPAIRS

- 11. It is expressly agreed that in the event both parties! facilities are damaged, Southern Bell shall select a qualified contractor to perform the excavation operations necessary to effect repairs to the damaged facilities.
- 12. It is expressly agreed that Southern Bell shall be responsible for all costs directly arising from the repair of
- Southern Bell's facilities; shall be responsible for
- 10 all costs directly arising from the repair of
- // facilities; Southern Bell and i shall each be responsible for one half of all costs arising from work which jointly benefits the repair of both parties facilities; and each party shall make payment directly to the contractor or, at Southern Bell's option, Southern Bell may reimburse the contractor directly and bill Microtel an appropriate share of the cost.

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9. It is expressly agreed that will notify Southern Bell within twenty-four (24) hours of discovery of any defect or problem relating to the condition of said manholes and/or fiber optic splice handholes.

ARTICLE IV

SPECIFICATIONS

10. It is expressly agreed that all communications facilities shall be placed and maintained in accordance with the requirements and specifications of the current National Electrical Code (NEC), the National Electrical Safety Code (NESC), all of which are incorporated by reference in this Agreement, the rules and regulations of the Occupational Safety and Health Act (OSSHA) and any governing authority having jurisdiction, if dual specifications exist, the more stringent shall apply.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION UTILITY PERMIT

, 3	(In compliance with C	Aupter 338, Fl	1100	an lin ios	
-TE			PERMIT N	10. 2 10527	5
UBJECT:	Section 71110 State Road	21	County	, Clay	
ERMITTE	Southern Bell Tel & Tel Co.				
DDRESS	P.O. Box 550 Gainesville	Florida	Telephone	Number 374-9	2121
equest ina	permission from the State of Florida Department f meintain 12.7 miles buried and	of Transport	ation, hereinafre	r colled the Departm	ent, to construct,
Palace Bus	menten	uei lai re.	S. Cabi		
		1/2 *	· (15.19 3696 Ft. North	of County Ros
rom MP/S	Station (449 Ft. North of SR 100) 6.	140	to MP/Station _	315 1n Sec. 3,	175, K24E)
1,	Proposed work is within corporate limits of a municipality <u>Keystone Height</u>	ripality. Ye	: (X).¥€ No	. ()	
2.	Applicant declares that prior to filling this applicat	tion he has asc	ertained the loca		ilities, both serial
	and underground and the accurate locations are shown A letter of notification was mailed on November 1			ng utilities/municipal	ities.
	Clay Electric Cooperative		- 10%		
	Southern States Utilities IncPalatka Cable TV				
	Florida Gas Transmission Co.		19 4		
3.	Interstate right-of-way is involved. Yes (•			
4.	It is expressly stipulated that this permit is a ficen- property pursuant to this permit shall not operate to				ilities upon public
Б.	Whenever necessary for the construction, repair, i				ion, alteration, or
-	relocation of all, or any portion of said highway as said poles, wires, pipes, cables or other facilities ar from said highway or reset or relocated thereon as	determined by and appurtenant required by t	the Director, Di	vision of Road Operativeunder, shall be imm	tions, any or all of nediately removed
6.	pense of the permittee unless reimbursement is auth	horized. Herinamed und	ું or the Mineraldon	of Mr. R.	E. Johns
٠.	All work shall meet Department standards and be Maintenance or ResiJence Engineer, located at	Jacksonvit	i e Florida. 1	elephone Number ZR	6-2510
7.	All materials and equipment shall be subject to insp	ection by the I	Vaintenance or R	esident Engineer.	
8.	All Department property shall be restored to its or cations, and in a manner satisfactory to the Department	•	on as far as practi	cel, in keeping with D	epartment specifi-
9.	All installations shall conform to the Department		omodation Guide	in effect the date p	ermit is approved.
10.	A sketch covering details of this installation shall be				
11.	The permittee shall commence actual construction and shall be completed within 90			days from date of sai	d permit approval
12.	The construction and maintenance of such utility			operty and rights of	a prior permittee.
13.	Special conditions:				
14.	Special instructions:				
4.5	It is understood and agreed that the rights and pri	ullana basala s	-1	l anku an aha sutant a	I sha Ceasa's right
15.	title and interest in the land to be entered upon an an indemnify, defend, and save harmless the State cost or expense arising in any manner on account rights and privileges.	d used by the f of Florida and	volder, and the hi d Department fro	older will, at all times, im and against any an	, assume all risk of d all loss, damage,
16.	During construction, all safety regulations of the cluding placing and display of safety devices, tha project area in accordance with the Department's l	t may be nece	ssary in order to	safely conduct the D	ublic through the
17.	Construction, Maintenance and Utility Operations. The office of the Engineer designated in paragraph	ı six (6) shall (e notified twent	y-four (24) hours pric	or to starting work
18.	and again immediately upon completion of work. In case of noncompliance with the Department's ninto compliance or removed from the R/W at no con		ils permit is void tment.	and the facility will to	save to be brought
Pb	•	•	Ďi.	Cornorata Saal	?c.
Subm	sitted by: Southern Bell Tel & Tel Co Permittee Engineer		FI		C/VE.
	Engineer	ring Manag	er	مر کر در	(/)

FO1B14Z 01051

D.O.T. START DATE EXTENSION LETTER

CALLED MR TOM D'AL, D.O.T. MAINTENANCE,

4 ADVISE THAT EXTENS ON LETTER IS

BEING PREPACED A THAT OUR CONTRACTOR

LOULD LIKE TO START MONDAY MORNING,

MARCH 3, HE SAID IT IS O.K.

TO START WORK, BUT NOTIFY

THEM 24 HOURS IN ADVANCE IN

ORDER THAT THEY CAN HAVE AN

INSPECTOR ON THE JOB. CALLED

PAUL PACE & ADVISED HIM.

MR. TOM DYAL

D.O.T.

P.O. BUX 6884

JACKSONVILLE FL 32236

TEL. 786-2.510

(FERMITS IN CLAY COUNTY)

FULBI4Z 01052

ARTICLE XII

IDENTIFICATION OF CABLE

19. It is expressly agreed that shall place a four-inch wide colored plastic tape with their cable for the entire length of joint trench construction to provide sheath identification.

ARTICLE XIII

20. It is expressly agreed that should either party abandon its facilities as described in Article II above this contract shall terminate and the abandoning party shall have no further interest in its abandoned facilities or any rights under this contract.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement in duplicate on the day and year first above written.

15 16 17

3

ATTEST

SOUTHERN BELL TELEPHONE AND

TELEGRAPH COMPANY

yige President-Network/Fla.

٤

APPROVED AS TO FORM MINICIPLE ATTORNEY

FO1B14Z 01053

causes of actions made against the non-defaulting party resulting from the default.

ARTICLE X

SERVICE OF NOTICES

	17. It is expressly agre	ed that whenever	in this agreement
7	notice is provided to be give	n by either party	to the other,
8	such notice shall be in writi	ng and given by le	atter mailed, or
'n	by personal delivery, to Sout	hern Bell at its	office at
/ _	Jacksonville , Flori	da or to	: its office
٠.	ıt	, Florida, or to	o such other
8	address as either party may,	from time to time	, designate
1	in writing for that purpose.		

ARTICLE_XI

SUPPLEMENTAL ROUTINES AND PRACTICES

18. It is expressly agreed that nothing in the foregoing shall preclude the parties to this agreement from preparing such supplemental operating routines of working practices as they mutually agree to be necessary or desirable to effectively administer the provisions of this agreement.

12.5

ARTICLE VII

TERM OF AGREEMENT

14. Subject to the provisions of Article X1V herein, this agreement shall continue in full force and effect for perpetuity.

ARTICLE VIII

WAIVER OF TERMS OR CONDITIONS

15. It is expressly agreed that failure of either party to enforce or insist upon compliance with any of the terms or conditions of this agreement shall not constitute a general waiver or relinquishment of any such terms or conditions, but the same shall be and remain at all times in full force and effect.

ARTICLE IX

DEFAULTS

16. It is expressly agreed that should either party default in any of its obligations under this agreement and such default shall continue thirty days (30) after notice thereof in writing from the other party, then in addition to any other remedies the non-defaulting party may have for breach of contract, the party in default shall defend, hold harmless, and indemnify the non-defaulting party for all claims, losses, expenses, actions,

THE PARTY OF THE P

ARTICLE III

MANHOLES AND FIBER OPTIC SPLICE HANDHOLES

- 5. It is expressly agreed that Southern Bell shall be the sole owner of one proposed manhole, and shall be solely responsible for the maintenance and repair of said manhole.
- 6. It is expressly agreed that ! shall be the sole owner of two handholes and shall be solely responsible for maintenance and repair of said handholes.
- 7. It is expressly agreed that Microtel shall allow

 Bouthern Bell employees, agents or contractors to work on fiber

 PROVIDED THAT WAS BEEN NOTFIELD

 optic splices in said handholes, AT LEAST 24 HOURS PRIOR TO ACCESS OF ALL

11

ARTICLE II

CONTRACT FOR PLACEMENT

- 1. It is expressly agreed that all engineering costs
 pertaining to the placement of the buried cables described
 in Article One shall be divided (50%) fifty percent Southern
 Bell and (50%) fifty percent AS described in ATTACHED EXHIBIT
- 2. Southern Bell has awarded a contract for placing its buried cable to the lowest bidder of a pool of qualified contractors. Southern Bell will negotiate with said contractor a price for placing both Southern Bell's cable and Microtel's cable simultaneously in a common trench.
- responsible for the cost to perform the work described in
 paragraph 2 above, however, shall reimburse Southern
 Bell for all costs directly arising from the placement of the
 cable and associated items; furthermore, Microtel
 shall reimburse Southern Bell for one half of all costs arising
 from work which jointly benefits the placement of both parties'
 facilities and the share of the costs shall be paid to
 Southern Bell within fifteen(15) days of receipt of bills from
 Southern Bell.
 - 4. It is expressly agreed that both parties shall be individually responsible for obtaining from the appropriate public and/or private authority any required authorization to construct, operate, maintain, and/or repair its communications facilities.

FILE W/EST. V4514, KYHG-PNFM

JOINT TRENCH AGREEMENT

ARTICLE I BUT HO

WHEREAS, Southern Bell and desire to place buried communications cables along State Road 21 northeasterly of Keystone Heights from Immokalee Road to Southern Bell regenerator location in Section 21, T65, R24E, a distance of approximately 14 miles; and

WHEREAS said buried communications cables can be easily and economically placed simultaneously in the same trench; and

WHEREAS both Southern Bell and will both benefit from the simultaneous placement of said cables in the same trench;

NOW THEREFORE, In consideration of the mutual covenants, terms and conditions herein contained, the parties do hereby mutually convenant and agree as follows:

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RECEIVED

JUN 05 3333

GAINESVILLE DISTRICT ENGINEERING

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Southern Bell

-FLORIDA-

RESEIVED

STAFF MANAGER_ ENGINEERING

April 1, 1985

TO:

APP 8 1995

Mr. R. G. Bailey
Mr. A. A. Benson
Mr. E. D. Cabarga
Ms. P. M. Caron
Mr. J. J. Francis
Mr. Fred Hedges
Mr. R. H. Hickey
Mr. T. R. Jedlick
Mr. S. C. Kahle

Mr. J. W. Langston
Mr. A. S. Levak
Mr. R. H. Meyer
Mr. P. A. Sacks
Mr. W. J. Schell
Mr. J. D. Smith
Mr. J. J. Smoak
Mr. W. H. Tyler
Mr. L. A. Whipple

Attached are the Aprily 1985 issues of the trunk facilities Project Status Report and the list of Fiber Optics projects in Florida. Changes flowthe previous issue are signified with an asterisk (-).

The M568 capability to operate at 148 and 288 Mb/s is still being discussed by Company Headquarters and the equipment manufacturer.

Questions on these Edocuments may be directed to Mr. H. J. Schaefer on (305)825.88814.

Jone Sharfel Supervising Engline

Attachments

F01B14Z 0106

A BELL SOUTH Compan

Project 55213

Executive Approval

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- 3

Project 55213 will provide a six-fiber trunk cable, TK F501, between the Keystone Heights Central Office and the Keystone Heights-Penney Farms Exchange Boundary. This facility is required to establish the BellSouth Communications Network (BSCN) with Traffic Operator Position System (T.O.P.S.), which is to service in 1986.

The proposed fiber cable was justified in the BSCN study update in June, 1984 and approved in the Corporate Communications Executive Approval Letter Addendum in November, 1984. The operator buy-back has been formalized in a letter to AT&T from our Vice President-General Counsel on May 24, 1984.

F01B14Z 01063

This estimate is part of an undertaking to establish the BellSouth Communications Network (BSCN) with Southern Bell Operator Services (TOPS).

List of Gainesville District Outside Plant Authorizations

Authorization	Description	Gross Additions
Project 55213 (This Submittel)	Lightguide Cable- Keystone Heights to Penney Farms	\$397,300
Estimate V-9329	Gainesville - Hawthorne Trunk Cable	627,000
Estimate V-4125	Hawthorne - Keystone Heights Trunk Cable	628,800
	Total	\$1,653,100

The association numbers for this undertaking are as follows:

¥.

		Assoc	istion Number
1.	North Florida LATA Tendem		173126
2.	North Florida TOPS		173124
3.	Gainesville LATA Tandem		173107
4.	Gainesville TOPS		173118

EXHIBIT "A"

Microtels costs associated with performance of Article I and as referred to in Article II, paragraph 1 are as indicated below:

Gainesville LATA

Approximate Distance (FT) Cost per foot (construction) Total Cost (construction) Approximate surface restoration cost	61,622' \$.68	\$41,902.96 1,514.07
TOTAL		\$43,417,03

Jacksonville LATA

Approximate Distance (FT) Cost per foot (construction) Total Cost (construction) Approximate surface restoration cost	12,440' \$.95	\$11,818.00 1,866.00
TOTAL		\$13,684.00
Combined Construction and Restoration Cost:		\$57,101.03

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Mr. H. L. Overstreet 15JJ1 - Southern Bell Tower 301 W. Bay Street Jacksonville, FL 32202

Subject: Joint Trench Agreement

Dear Mr. Overstreet:

As per the subject Agreement is obligated to a 50/50 absorption with Southern Bell on the Gainesville/Jacksonville build, bridging the two LATA's.

The following cost information was provided by Jerry Simpson. Contracts Co-ordinator, for Southern Bell in Jacksonville and is the foundation for an addition to the subject Agreement as identified further below in this letter.

	<u>Ga</u>	inesville LATA		ksonville LATA
Approx. Distance (FT): Cost per FT: Total Trenching Cost: Approx. Surface Restore:		61,622' .68 \$41,902.96 1,514.07	in special control of the control of	12,440° .95 \$11,818.00 1,866.00
TOTAL:		\$43,417.03		\$13,684.00
Combined Total:	W. D	\$57,101.03	.75	

Enclosed with this letter are three executed Agreements per subject effort, with the following noted changes:

- 1. Page 1 -- second line, change by pen correct year to be "1986".
- 2. Page 1 -- after "WITHESSETH" add "Article 1".

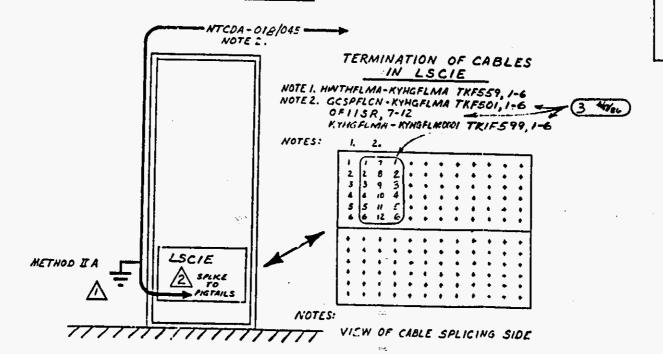
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Construction Work Drawing

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ESTIMATE <u>V 43/4</u>
PROJECT <u>552/3</u>

Gainesville, Florida
Date OCT. 2 1985

Mr. Elmer Sirmons Z Manager-Construction 3455 S.W. 42nd Avenue Gainesville, Florida

Dear Sir:

Attached is a list of major items of material required for the above authority, which provides for <u>LIGHTGVIDE</u> <u>CABLE</u>—

<u>KEYSTONE HEIGHTS TO PENNEY FARMS</u>.

If additional information is required, please advise.

Yours truly,

Manager-Engineering

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Attachment

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MATERIAL LIST

KYHG EXCHANGE

GAINESVILLE DISTRICT

ESTIMATE V 4514

PROJECT 55213

(&)

Gainesville,Florida
Date 3-5-86

OFFICE COPY

Mr. P.C. Pace
Manager-Construction
9010 N.W. 39th Ave.
Gainesville, Florida

Dear Sir:

Attached is a list of major items of material required for the above authority, which provides for <u>LIGHTGUIDE CABLE</u>

KEYSTONE HEIGHTS TO PENNEY FARMS.

If additional information is required, please advise.

Yours truly,

Ken D'Outona

Manager-Engineering

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Attachment

THIS IS TO PLACE IS FIBER CABLE IN UNDERGROUND SECTION INSTEAD OF 12 FIBER CABLE PREVIOUSLY PLANNED.

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DIST. CNST. OFFICE

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Page 2 -- ITEM 1: To incorporate by exhibit identified costs above, line 4 add: ", as described in attached Exhibit "A"."

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4. Page 3 -- ITEM 7: After word "handholes" add: ", provided that Microtel has been notified at least 24 hours prior to access of said handholes.""

Upon execution of these Agreements and initialing where indicated by yellow tabs -- please return to my attention one executed original for our files.

If any questions, please feel free to call me at (305)392-2244, ext. 216.

Sincerely,

Steven L. Chumley Manager - Contracts #dministration

SLC/vdp enclosures

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F01B14Z 01077

cc: D. Gregory J. Simpson - SBT/JAX L. Walker - SBT/ATL File

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STATE/AREA FLORIDA/NORTH

DIVISION -

EXCHANGE

DISTRICT WEST FLORIDA

HOLLEY-NAVARRE LOCATION HOLLEY-NAVARRE

SOUTHERN BELL TELEPHONE AND TELEGRAPH COMPANY APPROVALS - ESTIMATE NO. <u>V8522</u>

TITLE LIGHTGUIDE CABLE HOLLEY-NAVARRE TO FT. WALTON BEACH

TO FT. WALTON

PROJECT NO. PR

66138

AREA NO. (EQPT. OR BLDG.)

FEBRUARY 21, 1984 NET ADDITIONS TO PLANT GROSS EXPENDITURES NET REQUIREMENTS GROSS ADDITIONS TO PLANT 415,800 415,800 415,800 415,800 AMOUNT TO BE BILLED OTHERS PLANT RETIRED CONSTRUCTION MONTHS ASSOCIATED EXPENSE

WORK TO BE AND COMPLETED ORDER DUE JULY, APRIL, 1984 STARTED ABOUT AUGUST. 1984 1985 ABOUT

NATURE AND NECESSITY OF WORK:

This project provides for placing 89,000 feet of lightguide cable, ranging in size from 10 to 22 fibers, from the Holley-Navarre Central Office to Fort Walton Beach. This work is necessary to provide facilities for the BellSouth Communications Network, Extended Area Service, and future SLC-96 Subscriber Carrier in the eastern part of the Holley-Navarre exchange.

Approximately one-quarter of the route is the Holley-Navarre east feeder route. A current Outside Plant Forecast projects gains in this area of 127 assigned lines by January 1, 1986, and 299 by January 1, 1991. The remainder of the route is in territory served by CENTEL, an independent telephone company.

This route is a part of the BellSouth Communications Network, which has been approved and calls for an in-service date of August, 1985 in this section. The Florida Public Service Commission has issued an order that Extended Area Service be provided between Holley-Navarre and Fort Walton Beach by July 14, 1985. In addition, local subscriber relief will be required in the Holley-Navarre east feeder route within five years. The critical cross-section is EFRAP section 2100, which extends from the central office south to U.S. Highway 98 and contains 800 feeder pairs. This cross-section is now working at an assigned pair fill of 64 percent, and is expected to reach the objective of 90 percent by February, 1988.

	DATE		CATE
		GENERAL MANAGER-SWITCHED SERVICES	
DIVISION MANAGER		VI CE PRESIDENT	
		VICE PRESIDENT-AREA/SWITCHED SERVICES	
GENERAL MANAGER-BUSINESS		VICE PRESIDENT-RESIDENCE AND CORPORATE SUPPORT	
GENERAL MANAGER-RESIDENCE		VICE PRESIDENT-BUSINESS	
ERAL MANAGER-OPERATOR SERVICES AND SUPPORT SERVICES		VICE PRESIDENT-NETWORK	
GENERAL MANAGER-DISTRIBUTION		EXECUTIVE VICE PRESIDENT	01B14Z

To provide these services, it is proposed to place single-mode lightguide cable containing six BSCN fibers, four EAS fibers, and up to twelve subscriber loop fibers from the Holley-Navarre Central Office east to the Fort Walton Beach Central Office, there to join facilities to be placed by CENTEL. The BSCN fibers will be continued east to Panama City on a separate authorization. This work is in accordance with the Holley-Navarre Outside Plant Plan Issue 2, and is funded in the current Outside Plant Budget.



Accounts Chargeable Estimate No. <u>V-8522</u>

Sheet 1 Of 1

Location/	Contract Cost \$	106,800 Gross	Plant		ject No. *Or-Tel. Cost Of			TELCO
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	Prior Year (s)	6,900						
	Current Year	308,900		-	-	<u> </u>		
	Subsequent Year	100,000		_	-	1		51,4

Summary Of Effect On The Accounts						
Gross Expenditures-Total Column (C) Plus Column (F)	415,800					
Net Requirements-Total Column (C) Plus Column (F) Minus Column (E)	415,800					
Net Additions-Total Column (C) Minus Column (D)	415,800					

Estimate Prepared By							
İ	R.	Α.	COWLEY,	ENGINEER			
R.C. Engr.							
	N2	103	2000				
R.C. Const. Mgr. (Dist.)							
	N2	102	6000				

March 12, 1984

Mr. J. C. Miller
District Staff Manager
Engineering/Assignment/Capital/LEC
Jacksonville, Florida

Dear Sir:

Project 66138 provides for placing lightguide cable containing six BSCN fibers and four EAS fibers between the Holley-Navarre and Fort Walton Beach wire centers. This project also provides for placing 12 extra fibers from the Holley-Navarre central office east a distance of 12,400 feet, and an additional 8 fibers from that point east 7,800 feet. These additional facilities are needed to provide for subscriber carrier facilities to be placed in February, 1988 to alleviate pair shortages in EFRAP sections 2100 (90% 2-88), 2105 (90% 11-89), and 2130 (90% 10-89).

The economies incurred by early placement of these fibers are further enhanced by the fact that this cable will be placed in the last remaining buried cable space for most of this route.

The incremental cost of material and splicing for these extra fibers is \$41,200. Please call Dick Cowley at (904) 763-9096 if you need any more information.

Yours truly,

District Manager - Engineering/Assignment

RAC/phy

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OUTSIDE PLANT MATERIALS

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ENGINEERING NOTES

1. Subscriber Carrier Plans

It is planned to establish subscriber carrier facilities in the Holley-Navarre east feeder route in early 1988, when EFRAP section 2100 is expected to reach objective fill. RT sites will be established at RT2110A and RT2130A, as shown on the schematic. These facilities will eliminate any further placements of physical feeder cables in this route in the foreseeable future.

2. Cable Size

The proposed cable is sized to provide six BellSouth Communications Network (BSCN) fibers, four Extended Area Service (EAS) fibers, and sufficient subscriber fibers to provide for the five year requirements in the Holley-Navarre east route.

3. Timing

Timing for this project is determined by the July 14, 1985 due date for EAS service between Holley-Navarre and Fort Walton Beach. This service is being provided by order of the Florida Public Service Commission. BSCN service is due to begin in August, 1985. The "Complete C Work" date of December 31, 1984 is to allow sufficient time for testing of the cable and associated equipment.

4. Cable Type and Price

Single mode, stranded cable will be used on this project. A price of \$0.49 per fiber-meter was used to determine the estimated costs for this authorization.

Forecast

The forecast used to determine the timing of the RT sites is the assigned pair forecast for 1-1-84 converted to a fully dedicated forecast by 1-1-91.

6. Conduit

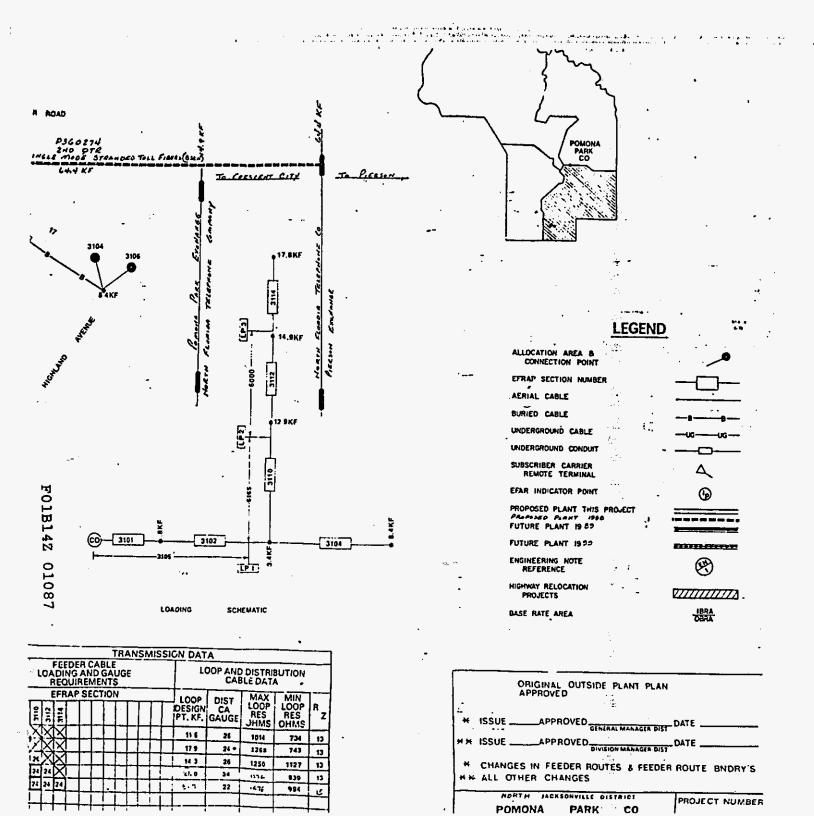
An agreement to lease a duct in which to place and maintain the proposed cable, in conduit owned by the CENTEL Company, is being negotiated through the Bell Independent Relations Organization.

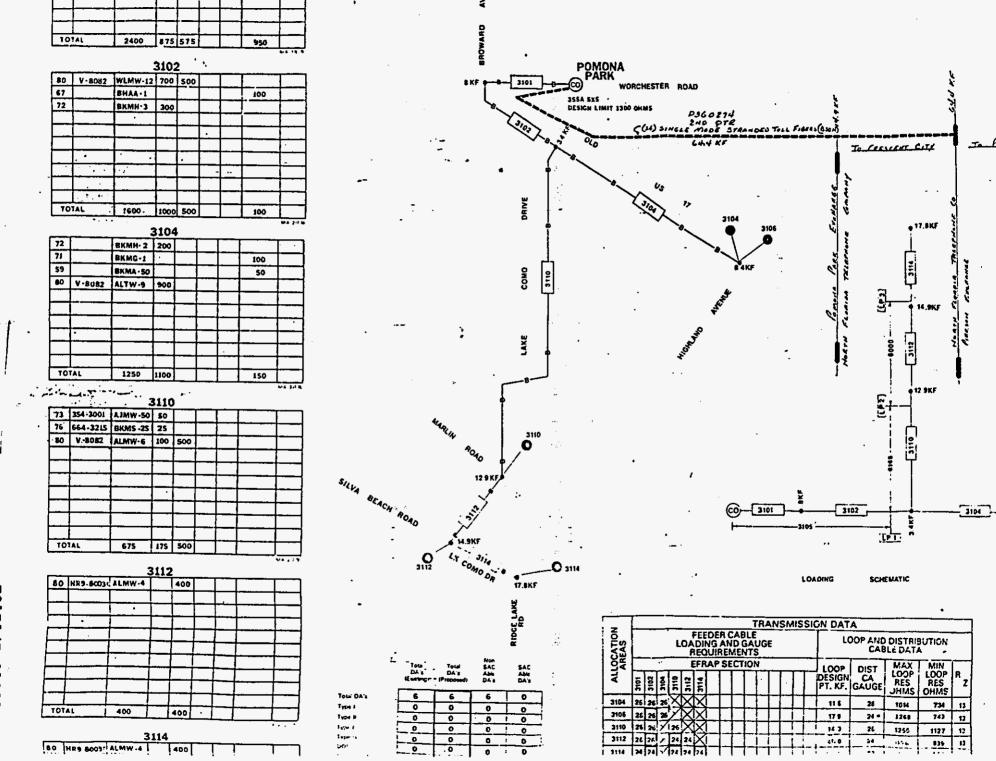
7. EAS Fibers

The separation of costs for the EAS fibers in the CENTEL area will be determined by an Annex V. Agreement for Extended Area Service which is now being negotiated by the Bell Independent Relations Organization.

Construction Work Drawing Title Page

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COMPLET	IOH TEST	TING P	EQUIR	£D	YES_X		0			AU DA	ATTACISM	YK6	10
					*KILO		DV.					PROG	race 2
CABLE		 ;	COURT		YEET		35T/	PST	!	HILOY	F.E		
FSSG		/.	- 24		71.4%	<u>F</u> _						0175	100%
												2)	·
!			TBE	EYOH CKICI	NATION, CO	/INTER	FACE	OT'				3)	<u> </u>
SERVICE O	RDER NO	:			APP DATE					DATE			
CA (F-1)			PAIR		BINDING	rost			TER	K LOC	;		
CA (F-2)			FAIR	· ··- ·	BINDING	POST			TEI	K 1.00			
SERVICE O	BDES NO	l			APP DATE				-	DATE	,		
CA (F-1)			PAIR		BINDING				1	H LOC			
									I				
CA (F-2)			PAIR		BINDING	POST			TEI	IN LOC	·		
PRE-CT:	YES	110	X	_ IS JO	B RESTORIN	C CT'S	: Y	ES_		NO	Χ		





BCAS RPT 0014 DATE 04/06/88 FORM 8025-5 SHEET OUL

SUPPLEMENTAL ESTIMATE DETAILS FOR V7474

TELCO ORDER NO. 3G0274

AREA Nú.	FRC/FC	SOURCE!	AUTHOR: ZED	!	SUPPLEMENT	!	TOTAL	!	NOTE 1
31313	77C	TCE ! TCL ! FOT !	0 3134 3134	!	986 582 1568	ł ! !	986 3716 4702	!!	
AREA NO.	FRC/FC	SOURCE!	AUTHORIZED	!	SUPPLEMENT	1	TOTAL	!	NOTE 1
31313	845C	CTB ! MAT ! ICE ! ICL !	70227 167123 42057 77498 356905	!!!!!	2250 107650 1704 4666 116270	!	72477 274773 43761 82164 473175	!!!!	

BCAS RPT 0014 DATE 04/06/88

SUPPLEMENTAL ESTIMATE DETAILS FOR 17474

***********			•••••			TELC: C	ALE
AREA HPS NO. FRC/FC PRO	CODE! CHO.!		DRIZED REUSED NTRA INTE				
31313 845C 777 TOT SGL MODE		773	*******	3	779		!

GROSS PLANT COST OF HAIN-ADDS RETIRED SALVAGE REMOVAL TENANCE CLASS OF PLANT BURIED-CABLE 345509 0 3134 COE-ELECTRONIC ٥ 0 BURIED-CA-FO 11396 0 360029

TOTAL 0. HCF

. .

TOTAL CONTRACT \$ 70227.00

TOTAL HOURS . 1075.4 40.0 0.
FIBER OPTIC HOURS _ 0. 120.0

GROSS EXPENDITURES \$ 360039.

NET REQUIREMENTS \$ 360039.

NET ADDITIONS \$ 360039.

CONSTRUCTION SUMMARY

FIELD CODE	GROSS ADDS	PIC	PULP	ENGR.	TELC LABC
45C 77C 845TC	345509 3134 11396	0. 0.	0. 0. 0.	39784.21 657.21 2272.81	71276 2477 6222
TOTAL	360039	0.	٥,	42714.23	79975

TOTAL HOURS PLACING=1095.38 SPLICING= 4

FIBER OPTIC HOURS PLACING= 0. SPLICING= 12

TOTAL CONTRACT BILLING=\$ 70227.10

**on at 10.599 - off at 10.635 on 12/16/87

\$\$ 02 TSS IS DISCONNECTED REASON: XOO

```
R- 5 DATE 02/09/88 TIME 11.338
                     EXECUTIVE SUMMARY AUTH NO. P3G0274
 FIELD
                                                   TELCO
                                                             CONT.
 CODE
                                         ENGR.
                                                   LABOR
                                                             BILL. MATERL INT.
 45C
                                        39784.21.71276.38 70227.00269695.78 985.81 3715.80 0. 0. 3977.41 10888,50 0. 5076.50
77C ·
845TC
                                                               0. 0.
0. 5076.50
TOTAL
                                       44747.43 85880.68 <del>70227</del>.00274772.29 72477
TOTAL HOURS
                  PLACING :: 095.38 SPLICING = . 60.00 REHOVAL = 0.
FIBER OPTIC HOURS PLACING - 0.
                                         SPLICING= 210.00
TOTAL CONTRACT BIL TINGE 70227.00
```

The state of the s

VAL.

```
DATE 02/09/88
                          TIME 11.338
                  SUHMARY SHEET AUTH ND.P3C0274
                  GROSS
                          PLANT
                                          COST OF
 CLASS OF PLANT
                    ADDS
                         RETIRED SALVAGE REMOVAL TENANCE
 BURTER-CABLE
                   450983 453133 o
 COE-ELECTRONIC
                    4702
 BURIED-CA-FO
                   19942
                  <del>475627</del>
477877 .
 TOTAL
                MCF
TOTAL CONTRACT
                  $ 70227.00
                    72477.00
                      PLAC
                             SPLIC REMOVAL
TOTAL HOURS
                     1095.4
                               60.0
TIBER OFFIC HOURS
                              210.0
GROSS EXPENDITURES
                           475627.
NET REQUIREMENTS
                           475627.
NET ADDITIONS
                           475627.
           ADDED " 2250 MANUALLY TO LOVER ADDITIONAL
          CONTRACT COSTS ( CONTRACTING OF CONST. DWGS.)
```

ARCHINT

٥.

3715.80

3715.80

985.81 4702.00

SEE SUMMARY SHE

DATE 02/09/88

CONSTRUCTION SUMMARY

GROSS

4702

19942

477877

FIBER OPTIC HOURS PLAC

TOTAL CONTRACT BILLING=

ADDS

TOTAL * 475427

TOTAL HOURS

FIELD

CODE

45C

77C ·

845TC

E.XE

PIC

PLAC

TOTAL HOURS
TIBER OPTIC HOURS

CLASS OF PLANT

COE-ELECTRONIC *

BURTED-CARLE

BURIED-CA-FO

TOTAL CONTRACT

TOTAL

GROSS EXPENDITURES
NET REQUIREMENTS
NET ADDITIONS

A DOLD * CONTRA

DATE 02/

F01B14Z 01093

PRICE

1.85

8,94

THUUMA

5076.50

5076.50

10888.50

10888.50

3977.41

19942.00

AUTHORIZATION NUMBER

CLASS OF FLANT
JOE-ELECTRONIC

(ITEM DESCRIPTION

MATERIAL LOADING (TOTAL
TOTAL MATERIAL

SPLICING LABOR
TOTAL LABOR

ENGINEERING
TOTAL (ROUNDED)

(PRODUCTIVITY RATIO (STI

PPP N

DATE 02/09/8:

135	
ENGINEERING	
LARDE	

L CONTRACT CAL ENGINEERING LABOR

**************************************					S	V	7474	3G0274
M FAC	M PIT	VEND ID	MPC	USE/	H	MAT	OTY/ REQNUM	SHEATH
845C	FIO	ATTT	7773370	21	*****		1546.000	• • • • • • • • • • • • • • • • • • • •

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		Taller in the second)		An industry of the control of the co	010181	1
ELEPTION	A.C.	SOURCE	SRC LOCK	PROGRAM	SRC % SRC DESC	M FAC	K FIT
\$0.6 \$0.6	770	TCE TCL TOT	Y Y	986 3716 4702	20.970 TELCO ENGINEERING 79.030 TELCO LABOR 100.000	845C	F10
	845 C	CTB MAT TCE TCL TOT	Y Y Y	72477 274773 43761 82164 473175	15.317 GENERAL CONTRACT 58.070 MATERIAL 9.248 TELCO ENGINEERING 17.364 TELCO LABOR 100.000		

0.0.61	4	V40688			\$ V7474	4 360274	010187	1	€45.443°
PAC 77C 845C	FIT SES FIO	PROG 175 175	FROGRAM 4702 473175	100.0 100.0	BESCRIPTION BSCN BSCN	•	4C 77C 845C	80URCE 10E 10T 10T 67D MAT TCS 10C	261 400). Y Y Y

••

í		** ****	NORKING					PROTECTION					
IOF	un es	LOURTON	EQUIPMENT	10F	MILES	! LOCATION	EQUIPMENT						
***********	MILES	JACKSOVILLE	NEC 1.12Gb		*	1 JACKSONVILLE	******	105	MILES				
			9/1/88 SVC → (4 REGENS) F5x	50 JOV CI -An	12.8	!	(1 REGEN)						
F505 JOVLOL-RV EXIST	4.8		Si i	24 FIBERS 10/1/89 EAD	12.0	! ! LAKE FORREST		F507 JCVLCL-LF EXIST	6.0				
F504 JCVLRV-WC	5.6	K NOY	100 A	7.5 6.5		! come ruraes!		EC00 30415 #1	_				
EXIST	5.0			3 JCVL/10-LKCYMA 24 FIBERS 10/1/88 EAD	57.7	OCEANNAY	te Cu	F508 JOVLLF-ON EXIST	5.9				
F503 JCVLNC-ORPHNA EXIST	9.6	LAKE CITY	30000000000000000000000000000000000000			•		F509 JCVLOW-YLLEMA	14.2				
EX121			7° F57	1'LKCYMA-VLOSGA 24 FIBERS	46.3	YULEE		EXIST					
F502 GCSPON-ORPHOMA EXIST	12.9	VALDOSTA		10/1/89 EAD	:	KINGSLAND	: :	F6028 KQLDGA-YULEYA EXIST					
F501 GCSPOI-KYHOVA EXIST	32.9				!	· MINOCATO		•					
		WAYTROSS		A	!	EVERETT CITY							
F559 HJTHYA-KYHOYA EXIST	17.0				!	CADICII CIII							
F557 GSVLMA-HATTHMA	18.2	JESLP		N. S. S. S. S. S. S. S. S. S. S. S. S. S.	!		2 1						
EXIST			TOTA	L FLA MILES	į	JESUP	,	TOTAL CO. L. L. L. L. L. L. L. L. L. L. L. L. L.					
TOTAL MILES	101			encolar Control				TOTAL FLA HILES	26.1				
		•		ar Bei									
			43										
••							TŲ.						
			750			÷	.						

JACKSONVILLE CLAY-GAINESVILLE OPTICAL SYSTEM

					JACKSONVILLE (LAY-	GAINESVILL	E OPTICAL SYSTEM	4					JADIS
	*********	******	*******	WORKING				PROTECTION	,		• • • • • • • • • • • • • • • • • • • •	M08000	
ाश्या	10F	KILES	LOCATION	EQUIPMENT	10F	MILES	! LOCATION				1.0.5110N	EQUIPMENT	
receis)	F505 JONIOL-RV EXIST	4.8	JACKSOWILLE	NEC 560Mb 9/1/88 SVC (4 REGENS)		12.8	JACKSOWILLE	SEE WORKING (3 REGENS)	************	MILES	JACKSOWILLE	NEC 1.1256 9/1/88 SVC (4 RESEAS)	
	F504 JCVLRV-WC EXIST	5.6	NOSHANDY		24 FIBERS 10/1/88	12.0	RIVERSIDE		F505 JCV_CL-RV EXIST	4.8	NC 10Y	(24 10/
	F503 JCVLNC-ORPHYA . EXIST	9.6	BALOWIN		F518 BLOWA-JCVLNO EXIST		! HESCONETT	• ** • **	F504 JCVLRV-WC EXIST	5.6			F573 J: 24 10/:
	F502 GCSPON-ORPHONA EXIST	12.9	JOVL90 SITE		F519 BLDWHA-JCVL90 EXIST	14.0	DRANGE PARK	Á.	F503 JCVLWC-0X9XXXA EXIST	9.6	LAKE CITY		F571 LI 24
*•	F555 CCSPON-PLTKMA 24 F18ERS	26.8	LKCYHH SITE		F519 JCVL90-LKCYIH EXIST	15.5	I CRN COVE SPGS	:	F502 GCSPCN-ORPHMA EXIST	12.9	VALDOSTA	•	10/1
		- 15.6	LAK JITY	•	F519 LKCYH-LKCYHA EXIST	13.3	! ! Keystone hgts !		F501 GCSPON-KYHOHA EXIST	32.9	NAYOROSS		
	FSS6 PMPKM-PRSNFD	20.2			F558 GSVLMA-LKCYMA 24 FIBERS 10/1/88	51.2	! ! HAWTHORIE	(4.5 \$5.5	F559 HWTHMA-KYHOMA EXIST	17.0	T 00		
	24 FIBERS 9/1/88 EAD		GAINESVILLE	NEC 560Mb	TOTAL MILES	121.7	GAINESVILLE	SEE WORKING	F557 GSVLYA-HJ11H4A EXIST	18.2	JESLP		TOTAL FI
,	F506 DLSPYA-PRSYFD Exist	<u> </u>		•				· · · · · · · · · · · · · · · · · · ·	TOTAL MILES	101	·		
1	F606 DELDMA-DLSPMA EXIST	8.2						· .					

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PKRG

F605 DELDMA-DYBHIR- 23.7 DYBHMA EXIST

139.0

TOTAL MILES

DAYTONA BEACH-JACKSONVILLE CLAY OPTICAL SYSTEM

ROUTE 2			มวะเกร				PROTECTION	i			\$25,090	
EQUIPMENT		LOCATION	EQUIPMENT	10F	MILES	! LOCATION	EQUIPMENT	• • •	MILES	FOCYTIO!	EQUIPMENT	
TIC CRE EXIST	TKA JCYLAR-RE EXIST	JACKSOWILLE	NEC 1.1205 8/1/88 SVC (4 REGENS)		4.0	JACKSOWILLE RIVERSIDE			4.8	BLISWOOKIAL	150 550/6 5/1/56 5/0 (4 RESENS)	
TIC CRB EXIST		Sn., MARCO		F511 JCVLSJ-SM EXIST	4.2	! ! WESCONNETT		F504 JCVLRY-WC EXIST	5.6	HORMADY		F918
TIC ORB EXIST	TK898 JCVLAR-SM	SAY JOSE		F512 JCVLSJ-M-ORLO EXIST	7.3	! ! ORANGE PARK		F503 JCVLWC-ORPYSYA EXIST	9.6	6alowin		F519
TIC ORB EXIST	EXIST _	PA-DARIN		F563 HNDRLO-STACMA 18 FIBERS	28.4	GRN COVE SPGS		F502 GCSPON-ORPANA EXIST	12.9	JCV.90 SITE		F519
TIC ORB EXIST	TT01802 JCVLCL-SM	ST. AUGUSTINE		- 4/30/88 IF513 STAGBS-MA EXIST	. 7.4	PALATKA		F555 GCSPON-PLTIMA 24 F1BERS 9/1/88 EAD	26.8	UKCYAH SITE		F519
T1C ORB EXIST	EXIST	BLHSIDE		F517 PLCSMA-STAGBS EXIST	18.9	POMONA PARK		F516 PLTKMA-PKYYMA EXIST	- 15.6	LAL JITY		F558 (2-
		Palm Coast		F602 FLBHMA-PLCSMA EXIST	10.3	! ! !		F356 PMPKM-PRSNFD 24 F18ERS 9/1/88 EAD	20.2	CATIESVILLE	NEC 56046	TOTAL
		FLACLER BEACH		F614 DYBHOS-FLBHMA 8 FIBERS 3/1/88 EAD	10.5	PIERSON		F506 DLSPMA-PXSVFD EXIST	11.6		1.	
		OFFAN SHORES		F603 DYRHOB-DYRHOS EXIST	4.9	DELEON STGS		F606 DELDMA-DLSPMA EXIST	8.2			
		DRYO'D BOH		F604 DY8HMA-DY8H08 EXIST	5.5	DELMO		F605 DELDMA-DYBHIR- DYBHMA EXIST	23.7			
			NEC 1.12Gb 8/1/88 SVC	e e		DAYTONA BOH	see mounting	TOTAL MILES	139.0			

101.4

TOTAL MILES

100 13

	ROUTE 1					ROUTE 2	
LOCATION	EQUIPMENT	10F	KILES	!	HOLTTON	EQUIPMENT	1CF
REGENCY	DDM-1000(90M5 9/1/89 SVC	F572 JCVLAR-RE	3.5	!!!!!!!!	REGENCY	TIC CRB EXIST	TKA JCVLAR-RE EXIST
ARLINGTON	DDM-1000(90Mb	10/1/88 EAD		<u>i</u>	ARLINGTON	TIC ORB EXIST	
ARLINGTON	9/1/88 SVC NEC 1.12Gb			!	ARLINGTON	TIC ORB EXIST	
	9/1/88 SVC	F561 JCVLAR-SM 24 FIBERS 10/1/88 EAD	3.5	!	SAN MARCO	TIC ORB EXIST	TKB98 JCVLAR-SM EXIST
SAN MARCO	NEC 1.12Gb 9/1/88 SVC		:	!!!	SAN HARCO	TIC ORB EXIST	*·
S/ MARCO	LT 1565 EXIST	F510 JCVLCL-SM	4.0	!	CLAY	T1C ORB	TT01#02 JCVLCL-SM EXIST
CLAY	LTS1565 EXI S T	EXIST	٦.0	!!!!!!		EXIST	·
		TOTAL MILES	11.0	!			

CONSTRUCTION DETAILS

	PPP N				
	AUTHORIZATION NUMBER	VO.	200		
	MOTHORIZATION NOWREK	P. 45	P300274		•
	CLASS OF PLANT	- 1, y			
	BURIED-CABLE-EXCH	E.	FIEUD CODE	_	
(12 m			•
`	ITEM DESCRIPTION	N	RUANTITY	UNIT PRICE	AMOULUS
	MATERIAL	1	A Section 1	ONT I PRICE	AHOUNT
	MATERIAL	1			* 4*
	FRR-CA SM-24/050				
	INNERDUCT B-PLASTIC	300	01910	2.87	184551.84
			3102	0.31	
	TOTAL MAJOR	13	A COLOR	0.01	961.62
	TOTAL MAJOR ITEMS		1		1.85513.46
	MATERIAL LOADING (TOTAL C	TOO TOO			_,
,	LXEMPI MATERIAL (1005.4	ηρο∵ν Υ-ΣΙΩυ	270		53854.56
	TOTAL MATERIAL		22208/)		30327.76
	Di Agrica i Sala	112			269695.78
	PLACING LABOR Total Labor	200	1095-38 HRS	45.07	71276.38
	TOTAL CABUK	安全 令			71276.38
	TOTAL CONTRACT-		7 (C) (C) (C)		
	ENGINEERING	0.00	1093738 HRS	34	70227.00 *
	TOTAL (ROUNDED)	170	ASSESSED THE ST	36.32	39784.21
	-	420			450983.00 2250.00
	PRODUCTIVITY RATIO (STI/H	20.77	CATALOG CONTRACTOR		
	COLUMNIA CONTRACTOR CONTRAC	OUR 1	10.67		453233.00*
		9409600	THE PERSON NAMED AND THE PERSO	70. 35	

F01B14Z 01102

PROJECT 3G0274 ESTIMATE V-7474

ENGINEERING NOTES

- As per the letter from Mr. Ivester, the number of fibers, for the LATA trunk between Palatka and Green Cove Springs, was doubled which caused an increase in material, splicing and placing costs. This supplement is being issued to authorize the increase in gross expenditures.
- There is a \$2,250 adjustment to the contract cost on the supplemental broadgauge and is shown on the detail sheet of the broadgauge.

The state of the s	020287	•	Canada	C. L.	an u	LY AUTH	AUTH NO	PROJ	
AUTH UNDERTIES FC1.	PAC	FIT	LOCK	PROGRAM				360274	
.44 RECH SCH SUNE	77C 845C	585 F10	Y Y	4702	100.0	会院 かけさ			
NERV		1							
DE DWG CONT SHIF 8 041588 061588	,	77 (1)							
OMP CONT BID RC 6 N2112700									
T COND DU FT BUR IR 61 64.4					•				
REB BILL FOT:							-		
LOC DATA							•		
LOC FLE4			•						
•••••	:								
			edi Aliente Aliente		·	:			
		Ampera							
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F01B1						• •			
1 4									

01B14Z 01104

	BCAS OSP JOB	500000	PAGE 1	• 1
SIG CHG:	INIT I	59:020287 15	S: 1 CURR 1	SS:040688
PROJ AUTHNO 3G0274 V7474	INIT 1 SUPP DIV 1 NORTH	DIST TY NH JAX	AUTH UNDRIKE	F.C.N
AREA CLLI 31313 JCVLFLWS	TYPE FUND G S Y	ROUP DRIG 3 MHV	ENG MECH S	CH SNSB
AUTH TITLE:BSCN F	IBER CA POMONA PE TO	PIERSON EXCH	BNDRY	
ST ENG AUTH SI	JB AUTH AFP SUPP SUE N 03088EA 04068A	700 das 8900) DUE DWG CON 588 041588	1T SHIP 061588
START COMP C	COMP ALL PLT RET 083188	REOD SVC SVC	COMP CONT RI	n ec
EST CONT COST	BID CONT COST	COND TR	FTCOND DU A	T BUR TR F1
	NET PAIRS TERM REPROT: SUBP	11814751	1. 444	866 640
LOC DATI	LOC DATZ	LOC DAT	3	LOC DAT4
LOC FLD1	LOC FLD2	LOC FLD) 3	
NOTE1:FIO SHEATH M NOTE2:24 FIBERS @ NOTE3:116.1 KFT NOTE4:TK CA F556	.050 DB/KM ·			************
REASON FOR CHANGE			·	
NARRATIVE:	45. **		*** *** ***	

1817 155 020287	158	ECAS CURR ISS 040c88	0.5
PAC	PIT	LOCI	F ¢
			-
71C	SES	Y	
8450	File	ν	

BOLD TO A STANDARD CONTROL OF THE CO

JACKSONVILLE CLAY-FANAMA CITY OPTICAL SYSTEM

•	MOSKING			*3"	PROTECTION		
ATION	EQUIPMENT	10F	MILES	! LOCATION	EQUIPMENT	10F	MILES
JAOXSONVILLE	NEC 1.12G5 11/1/89 SVC			JACKSONVILLE	SEE WORKING (13 FLA REGENS)	26 26 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	
	(12 REGENS)	F560 JCVLCL-NO 24 F18ERS 10/1/88 EAD	12.8	RIVERSIDE	(15 (ER RECERS)	F505 JCVLCL-RV EXIST	4.8
* ************************************		F518 BLOWA-JCVLNO EXIST	14.9	! NORYANDY		F506 JCV_HD-RV EXIST	3.5
ealowin		F519 BLDRYA-JCVL90 EXIST	14.0	1		F573 JCVLNO-LKCYMA 24 F18ERS	57.7
JCVL90 SITE		F519 JCVL90-LKCYHH	15.5	LAKE CITY		10/1/88 F571 LKCYMA-VLDSGA	46.3
LKCYHH SITE		EXIST . F519 LKCYH-LKCYMA	13.3	! ! VALDOSTA :	-	" 24 FIBERS 10/1/86	
LAKE CITY		EXIST F464 HAVINA-LKCYMA	140.0	! ! !			
HAVANA		24 FIBER 12/1/89 EAD		! THOMASVILLE !			
	•	F462 CHPLMA-HAVNMA 24 FIBER 12/1/89 EAD	63.0	BAINGRIDGE		544 68 W 4.000	
CHIPLEY		F463 CHPUMA-PNCYMA 18 FIBER	57.6	! ! CHIPLEY		F461 OPLMA-BABRSA 18 FIBERS 12/1/89 EAD	31.4
PANAMA CITY	NEC 1.1295	12/1/89 EAD		! !		F460 CHPLMA-MLTNRA 24 F18ERS 12/1/89 EAD	80.0
	11/1/89 SVC	TOTAL MILES	331.1	MILTON		F410 MLTNRA-PACEPV	8.0
				PACE		24 F18ERS 8/1/89 EAD	
				ETDON DAGO		F411 PACEPV-PNSCFP 24 FIBERS 8/1/89 EAD	9.1
				FERRY PASS		F407 FNSCBL-PNSCFP 24 F18ERS	7.5
			1	BELHONT		4/1/89 EAD F459 PNCYMA-PNSCOL	108.9
			!	PANAMA CITY	SEE WORKING	18 FIBERS 12/1/89 EAD	

Jacksonville LATA	Interoffice	Fiber	Cable	Plan	(Long	Range)
			00016	CIAN	LLong	Kange

			Length			
CrossSection	E.A.D.	Size	Miles			
Beachwood - San Jose	1991	24				
Hilliard - Yulee	1991	- :	7.5			
Riverside - San Marco		12	6.5			
Services	1991	24	3.5			
Beachwood - Avenues	1992	4.5				
	1774	12	8.0			
Jay Turner - Avenues	1992	12				
Pontevedra - St. Augustine	1992		3.5			
Ridgewood-Wesconnett		24	30.0			
w.odemoon_mercouneff	1992	24	8.3			
Avenues Pontevedra		•	-			
Carried Service Contract Contr	1993	12	23.0			
Green Cove Sogs - Middleburg	1993	12	. 12.0			
maxville - Middleburo	1993	12				
Palatka - St Augustine			18.0			
126	1993	24	30.0			

175-1002 175-100% G10-50% M10-50% 110-25% 616-75% 175-100%

1:0-25% G10-50% M10-25%

New York Cat Codes

910-100k G10-50% M10-50% 610-1002 910-50% M10-50% 1/5-190% 310-50% 175-50% 610-100% 175-1001 110-25% G10-75% 175-100% 175-100% 110-25% 610-75% 175-50% G10-50% 175-100%

610-100% G10-50% M10-50% 610-50% M10-50%

G10-50% M10-50% G10-50% M10-50% G:0-75% M10-25%

\$10-50% M10-50%

FOIB14Z

01107

Cross Section

1990

Green Cove Springs-Mandarin Lo.

Green Cove Springs-St. Augustine

(via Lemonwood)

Baldwin-Macclerny (9.2 mi.)

Ft. Caroline-Oceanway

K sley Lake-Middleburg

Grampe Park-Ridgewood

Wesconnett-Orange Park

E.A.D. Size

Length

Miles

Description

New York

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Jacksonville LATA Inter

Cross Section

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Southern Bell

JJJ2 Southern Bei Tower 301 W Bay Streer Jacksonville, Florida 32202 1904) 350-4500

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Interoffice Fiber Cable
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'actical Planning . each of the Outside ich of the Feeder ". Ann Sieber, LATA it to North, West, and ilt of these meetings, ! input to our first ·lan. We have been e plans and adjust construction, road · plant construction. us to put together a oth in interoffice and rove and adjust the to be extremely he visits, in December . Construction Budget

As was discussed at the meetings, the BSCN Diversity project was approved to place a DS3 cross-connect device at 6 nodal points around the state to allow for restoration at the DS3 transmission level. Due to many technological and administrative drawbacks to the DS3 cross-connect devices, the Split Route Optical System plan is being deployed instead. This is the first step toward implementing Ring Architecture. These long-haul optical systems are detailed in an attachment which reflects the fiber cable construction triggered by this plan.

Ring architecture is a means of tying together two or more offices for complete diversity and instantaneous restoration of the Network. The six year LATA plan reflects fiber cable construction necessary to connect major routes and offices.

Please proceed to implement plans and identify funding for the Interoffice Fiber Cable requirements. If there are any questions concerning these plans or the attached documents, Ms. Celeste Jacobson at 904-350-3903 will be glad to address them.

Yours truly,

Engineering Manager Tactical Planning/North

cc: C. E. Childs, Jr. C. E. Moering

J. P. Coovert

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H. N. Ivester JKVL RW GI Operations Manager - Tactical Planning Network - Provisioning

February 24, 1988

LANGE CONTROL SOLUTION CONTROL

Southern Bell Tower

101 W Bay Street lacksonville, Florida 32202 (904) 350-4500

Dres the lay closer will our Budged?

Mr. J. C. Miller Operations Manager Jacksonville, Florida

Mr. T. E. Jones Operations Manager Gainesville, Florida Mr. H. T. Jackson District Manager Jacksonville, Florida

Mr. W. T. Coggins, Jr. District Engineer Jacksonville, Florida

Dear Sirs:

This is to formally notify you of the Interoffice Fiber Cable Plans for the program years 1988-1993. The attached list reflects changes as a result of the modified BSCN Diversity project, the introduction of Ring Architecture, and the increase in growth projections. This plan is being expedited in order to terminate existing leases at the earliest possible date.

The Span and Facility Planners in the Tactical Planning District recently completed visits with each of the Outside Plant Districts to personally inform each of the Feeder Administrators of the changes in plans. va. Ann Sieber, LATA Planner for Distribution, was present at the North, West, and Southeast District meetings. As a result of these meetings, the Feeder Administrators have provided input to our first attempts at outlining a six year LATA plan. We have been able to reduce the number of fiber cable plans and adjust timing with input such as known bridge construction, road moves, route restrictions, and exchange plant construction. This two-way communication has allowed us to put together a comprehensive plan. As changes occur both in interoffice and exchange plans, we will continue to improve and adjust the six year plan. We found these meetings to be extremely beneficial and made plans to continue the visits, in December and May, prior to the beginning of each Construction Budget view.

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. ENGINEER: FIT

ESTIMATE PRECARED BY:

R. D. Trump Engineer FRONE NUMBER:

(904) 325-9005

RC ENGR: N2111700 RC CONST: N2102500 Project 3G0274 Estimate V7474 Supplement No. 1

This estimate is part of an undertaking to provide a lightguide system between the Pomona Park and Pierson wire centers with Gross Additions as follows:

Įh .

<u>Authorization</u>	Description	Gross Additions
This Authorization	BSCN Fiber Cable	477,877
	Pomona Park to Pierson	
Project 3G0367	Fiber Trunk Cable	439,066
Estimate V7456	N/O Pierson	
(Submitted Concurrently)	Total	916,943

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This estimate is part of a: between the Pomona Park and Pier.. Collows:

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Project 300367 Estimate V7456 (Submitted Concurrently)

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Nature & Necessity

This supplemental estimate provides for an increase in Gross Expenditures on Estimate V7474 which received executive approval on March 8, 1988. This estimate was approved to place 64,416 feet of buried twelve fiber single mode fiber optic trunk cable in the southern portion of the Pomona Park Exchange. This cable will connect with similar facilities placed north from the Fierson Central Office and provide a lightguide system between the Pomona Park and Pierson Wire Centers. This work is in accordance with an Executive Approval letter and Pierson Wire Centers. This work is in accordance with an Executive Approval letter and Pierson Wire Centers. This work is in accordance with an Executive Approval letter and Pierson Wire Centers. This work is in accordance with an Executive Approval letters and Pierson Wire Centers.

All work on this primate will be completed as originally proposed with the exception of primate twenty-four fiber in lieu of twelve fiber single mode trunk cable. The increase in the number of fibers is in accordance with an Approval Letter filled for Mr. H. N. Ivester dated February 24, 1988. (Copy attached) This implement is being prepared prior to expenditures reaching supplemental Is with this expected to occur in July, 1988.

supplemental 13 mich is expected to occur in July, 1988.

This supplemental that authorizes an increase in Gross Expenditures of \$117,818 which is increase in material of \$107,650; in labor of \$5,248; in contract bil 236 of \$2,250; and in engineering of \$2,690.

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Nature & Necessity:

This supplemental estimate V7474 which resestimate was approved to mode fiber optic trunk of Exchange. This cable withe Fierson Central Officers and Pierson Wire Capproval letter signed in

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Project 3G0274 Estimate No. V7474-Supplement No. 2

Nature & Necessity:

This supplement estimate provides for a decrease in Gross Expenditures on Estimate V7474 which received executive approval on March 8, 1988. This estimate was approved to place 64,416 feet of buried twelve fiber single mode fiber optic trunk cable in the southern portion of the Pomona Park exchange. This cable will connect with similar facilities placed north from the Pierson Central Office. and provide a lightguide system between Pomona Park and Pierson. This work is in accordance with an Executive Approval letter dated August 26, 1987, and signed by Mr. R. K. Snelling.

Supplement No. 1 to this estimate was approved April 18, 1988, and called for placing twenty-four fibers in lieu of twelve. This increase in the number of fibers is in accordance with an approval letter dated February 24, 1988, and signed by Mr. H. N. Ivester.

All work on this estimate will be completed as proposed by Supplement No. 1. Supplement No. 2 is necessary because the original estimate plus Supplement No. 1 were over-priced when submitted. This Supplement No. 1 were over-priced when submitted. This Supplement No. 1 were over-priced when submitted. This Supplement No. 1 were over-priced when submitted. This Supplement No. 1 were over-priced when submitted in Supplement No. 1 were over-priced when submitted in a decrease in Gross Expenditures of \$116,459, which includes a decrease in material by \$27,761; in labor by \$79,160; in engineering by \$45,262; and an increase in Contract Billing by \$5,416; and in other by \$30,308. These amounts are in accordance with Form 4631 dated May, 1989.

estimate.

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OUTSIDE PLANT

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DISTRICT: NW JAX

ENGINEER: RDT

ESTIMATE PREPARED BY:

R. D. Trump Engineer
PHONE NUMBER:
(904) 350 7870

RC EMAR: 42112716 RC CONST: **N2102500** Project 3G0274 Estimate No. V7474-Supple:

Nature & Necessity:

This supplement estimate Expenditures on Estimate on March 8, 1988. This effect of buried twelve filtin the southern portion of will connect with similar Pierson Central Office. a Pomona Park and Pierson. Executive Approval letter Mr. R. K. Snelling.

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BIAS APT 0014 S.N.43B - GSPK DATE 08/20/29 PAGE 1 OF 2 APPROVALS - ESTIMATE NO. V7474 SUPPLEMENT NO. 02 1 STATEZADEA: FLORIDA DATE: 05/30/89 DIVISION: N. JAXVILL DISTRICT: NW JAX PROJECT: 360274 LOCATION: JOYL REST AREA NO.: 31212 TIPLE: BSCN FIBER CA FOMONA PK TO PIEPSON EXCH BADRY 1 95095 EXPENDITURES -\$116.459 ; NET REQUIREMENTS 1 TO PLANT -#116.459 1 TO PLANT I AMOUNT TO BE BILLED 1 TYPE ESTIMATE SHORT TERM | ASSOCIATED EXPENSE 1 ORDER DUE START COMPLETE NATURE AND RECEESITY OF WORK BEGINS ON PAGE 2 1 DISTRICT ENGINEER

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SOUTHERN BELL TELEPHONE AND TELEGRAPH COMPAN BISBURSEMENT SYSTEMS - SPECIFIC ESYDNATES JOURNAL HONTH - BECEMBER PROGRAM 4700730 LOCATION 5LORIDA PROCESSED 01-10-89 AT 05:03

104 FORM 4633-L SHEET TOTAL 5290 REPORT PAGE 3283 15 TEARS RETENTION

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NORTH AREA JACKSONVILLE LATA TRUNK CABLE CONSTRUCTION MONITOR AS OF 09+30+87

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REMARKS:

DATE STATUS:

Per L.C. Jacobson - Planner - EAL Approval 06-08-87.

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REMARKS:

DATE STATUS:

Per L.C. Jacobson -

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NORTH AREA JACKSONVILLE LATA TRUNK CABLE CONSTRUCTION MONITOR AS OF 09-30487

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DATE STATUS:

09-30-57

Per L.C. Jacobson - Planner - Eal Approval 06-98-87.

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Per L.

NORTH AREA JACKSONVILLE LATA TRUPK CABLE CONSTRUCTION MONITOR AS OF 09+30+87

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REMARKS:

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comp. 8-01-32.

DATE STATUS:

09-30-87

Project submitted for approval on 09-30-87 per Robert

Vanner - OSPE. (904-390-4061).3

REMARKS:

DATE STATUS:

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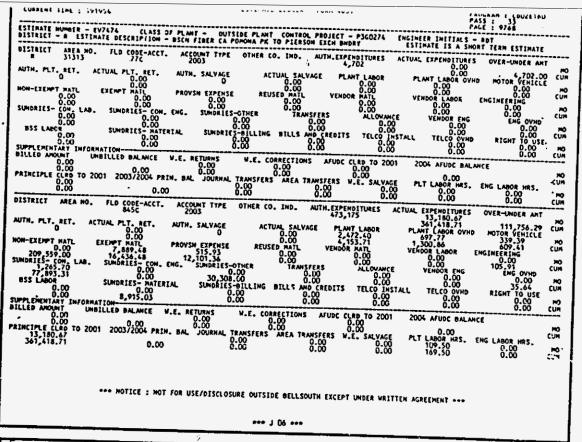
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STATE : FLORIDA
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CURRENT DATE : D2/08/89
CURRENT TIME : 191954

ESTIMATE LEDGER - FORM 4631

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PAGE : 9769

ESTIMATE MURBER - EV7476
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ESTIMATE MURBER - ESTIMATE DESCRIPTION - BSCN FIBER CA POMONA PK TO PIERSON EXCH BNDRY

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STATE: FLORIDA BUSINESS MONTH: JAMUART, 1989 CURRENT BATE: 02/08/89 CURRENT TIME: 191956 ORDERS PROCESSING STATEM PFPORT : ES'6 JOB : CDDZ#37 PROGRAM : CDDZE160 PASS : 35 PAGE : 97/9 ESTIMATE NUMBER - EV7474 CLASS OF PLANT - OUTSIDE PLANT CONTROL PROJECT - P3G0274 EMGINEER INITIALS - ROT DISTRICT - R ESTIMATE DESCRIPTION - BSCM FIBER CA POROMA PK TO PIERSOM EXCH BMDRY ESTIMATE IS A SHORT TEPM ESTIMATE ESTIMATE SUMMARY: APPROVAL
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PROJECT 3G0274
ESTIMATE 7474

Front Sheet, Detail Sheets, M. & D. Study, Supplemental Estimates and Start and

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F01B14Z 01130

Single Mode Fiber Cable **Completion Loss Test** Cable Identification 1300 nm Wavelength 1550 nm Wavelength ® Rel. — 2.20 B Ref. CFinal Span Loss @ Messured Loss Fiber C) Final Span Leas

PROJECT 3G0274

ESTIMATE 7474

INDEX

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 Submitted Package, i. e., Front Sheet, Detail Sheets, M. & D. Study, Key Map and Schematic Plus Supplemental Estimates and Start and Completion Notices.

- 2. Permits (State Road, Railroad and Other).
- 3. Material List and Cable Cutting Lengths Sheets.
- 4. "CURRENT" Construction Drawings,
- 5. Forms 8428 or Change In Plans.
- 6. Miscellaneous Correspondence and Test Data.
- 7. Notes and Back-Up Material.
- 8. Disbursements.
- 9. . Computer Support Data

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JACKSONVILLE LATA TRUNK CABLE CONSTRUCTION MONITOR AS OF 09-30-87

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ACPT TE 0-80 CROSS-SECTION JCBHHA-JCVLBW

PROVIDES 6 Fibers SM ENG ACPT DATE 08-01-88

PROJ/EST. P-NF3G0412

PROJ/EST.

CRITICAL EVENTS	SCHEDULE	ACTUAL 06-08-87	SCHEDULE ACTUAL
OSPE=SUB PROJECT	08-01-87		_
ESTIMATE APPROVAL	10-01-87		• •
CONST DRAWINGS	02-01-88		
FIBER FRAME	03-01-88		••
CONST START	U3=01=88		• •
CONST COMP	07-09-8B		:
TEST COMP	07-23-88		.8 ⁶ 1
ENG ACPT DATE	08-01-88		

REMARKS:

FKM 98

JCBHHA

(LSCIE) Exists. Electronics P-3A1246 start 5-23-56,

comp. 09-04-88.

JCVLBW (LSCIE) Exists. Electronics P-NF02776 start 5-23-88,

comp. 8=01=85.

DATE STATUS: 09-30-87

EAL Approval 06-08-87. P-3G0412 will be submitted for approval on 12-01-87. Per Robert Vanner - OSPE.

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NORTH AREA JACKSONVILLE LATA TRUNK CABLE CONSTRUCTION MONITOR AS OF 09+25-87

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CRITICAL EVENTS EAL APPROVAL OSPE-SUB PROJECT ESTIMATE APPROVAL CONST DRAWINGS FIBER FRAME CONST START CONST COMP TEST COMP	SCHEPULE 12+01+86 02+01+87 04+01+87 08+01+87 09+01+87 09+01+87 01+23+88 02+06+88	ACTUAL 12-15+86 01-23+82 05-05-87 08-31-87	SCHEDULE	ACTUAL
ENG ACPT DATE	02-20-88			

REMARKS:

A. FRI: 67 MNDRAV ₿. LSCIE and Electronics P22670 start 12-07-87 comp. 02-07-88.

MINDRLO LSCIE and Electronics P02594 start 01-09-87A comp. 03-15-87A.

DATE STATUS: 04-17-87

Per Tracy Garner, OSPE, EAL approved 12-15-86 and Project submitted for approval on 01-23-87.

04-30-87 Per Engineer D. Chojn (904=350+3552) the "Z" location for the F542 cable has been changed to MNDRLO.

05-28-87 Per Tracy Garner, OSPE, Estimate EV9883 was approved on 05-05-87. (904-393-4942)

06-26-87 Per Tracy Garner, OSPE, construction drawings will be completed and should go out on 07-07-87.

09-25-87 Per Alex Mitchell, OSPE, Construction drawings went out on 08-31-87. (904-393-4944).

PROJ/EST.

CROSS-SECTION

JCBHHA-JCVLBH

CRITICAL EVENTS EAL APPROVAL OSPE-SUB PROJECT Qξ ESTIMATE APPROVAL 10 CONST DRAWINGS 0; FIBER FRAME 0: CONST START U: CONST COMP 01 TEST COMP 07 ENG ACPT DATE

REMARKS: A. FKM 98

L. JCBIE4A (LSCIE) comp. 09

JCVLBW (LSCIE) ccap. 6-

DATE STATUS: 09-30-87

EAL Appr approval

F01B14Z 0113

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Cart E. Childs, Jr.
Operations Manager
Network - Provisioning

6451 North Federal Highway Room 1220 Fort Lauderdale, Florida 33306 Phone (305) 492-3506

October 1, 1987

TRUNK

CROSS-SECTION

PRO.

MENORANDUM:

TO:

Distribution

FRON:

G.E. Childs, Jr. Operations Manager Network-Provisioning

SUBJECT: Trunk Cable Construction Monitor

Attached for your review is the Third Quarter 1987 Trunk Cable Construction Monitor for the Jacksonville LATA.

This monitor reflects those jobs completing in 1987-1988. Subsequent years will be added as required in an appropriate time frame. The "Schedule" dates are suggested minimal intervals.

Recommendations and adjustments from departments involved in belping meet the "Engineering Acceptance Date" are velcome.

In addition, telephone inquiries will be made, as required, to Distribution Staff, Engineering and Construction Districts to determine the job status.

Questions and updates may be directed to Sidney Johns, Jr., Assistant Staff Manager, at (305) 492-3528.

Operations Manager
Network-Provisioning

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Attachment

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DATE STATUS:

04-17-87 Pe Pr 04-30-87 Pe fc 05-28-87 Pe

06-26-87

09-25-87

Pe.

Pc.

DATE:Fri Feb 6 14:07:15 1987
FROM:Weinstock-dlwl
TO:aimsclhost:hayno, aimsclhost:miller-jcm
CC:Weinstock-dlwl, Steadman-kds, Neyer-rhm
SUBJECT:DYBH LATA 1988 fiber cables for TFD-C

* MSG * -Nemo To: Doug Hayno Jack Miller

Subject: Daytona Beach-Ocean Shores -to- Flagler Beach-Kain Fiber

This is to advise you that as a result of new forecasts, and the generation of new digital system requirements to support these forecasts, we are exceeding the capacity of the two LTS-3139 optic systems in the DYBHFLOS-FLBHFLMA cross-section.

Based on this, we are requesting that a new 6-fiber single-mode optical cable be placed in this cross-section. A service date of 10/01/88 is requested. F614 will be the ID of the new cable.

Previous conversations with Transmission Engineering has revealed that an upgrade of the LTS3139 (a 135MB optic system) to a 560MB system is not possible on the existing multi-mode fiber. We will be reflecting this cable in the next issue of both the Trunk Cable Construction Program and the Optic/Multiplex Span Conditioning Forecast.

In addition to this cable, the following cables have been identified as BSCN Diversity Project-related:

- 1. NSBHFLMA-OKHLFLMA 08/15/88 6 fibers
- 2. OKHLFLMA-TTVLFLMA 08/15/88 6 fibers
 3. PMPKFLMA-PRSNFLMA 08/01/88 6 fibers

Dave Weinstock and Lamar May of our respective departments have discussed each of the above cables. If you have any questions regarding this request, contact Dave Weinstock on 305-492-3956.

W.H.Tyler Operations Manager-Central TPD

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December 12, 1986

Memorandum to Tactical Planning Districts

Subject: Current Status of BSCN D/R Study

The basic study has been completed. The study team is in the process of finalizing the data for presentation. There have been changes in the construction priorities which should be reflected in the current budget view. The new dates are shown below:

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The link from the cola into Alabama is up in the air at the present time. It feeling is that some of these priority 3 constructs work the better served on a lease basis. Since this wasta 12 requirement, no change is recommended at this time. The must recording are correct as shown in my memo of December 2013 A fadditional data is available, I will keep you advised.

Dallas Questo Senior Engines Network architectures

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December 23, 1986

Memorandum to: Tactical Flanners & Distribution Staff

Subject: Recommendations from Mr. Snelling on Budget

In talking to Krista Tillman/SB HR on Monday, December 22nd, she advised that the BSCN Diversity plan alternatives had been reviewed with Mr. Snelling and that he OK'd proceeding with the EAL preparation with the exception that all construction should be shown as 1988. This change relates to the shift of capital construction dollars caused by the MCI Equal Access request on 112 offices. The shift has created an imbalance in the capital requirements in the 1983 Construction Budget, allowing all of the BSCN Diversity link dollars to be shown in that year.

An advisory letter is being sent to Mr. Corey on this change. Please make the corrections to your budget.

Dallas Guess Senior Engineer Network Strategic Flans-Network Architecture December 12, 1986

Memorandum to: Tactical

Subject: Current State

The basic study has bee process of finalizing t been changes in the correflected in the currer below:

FINR_____

Gainesville-Lake City
Lake City-Georgia
Gardens-hargate
Titusville-Heu Sayrna P

Green Cove Spr-Palatka
Fomona Park-Pierson

Clay-Normandy Orlando-Ft Pierce Ft Pierce-Gardens

The link from Pensacola present time. The feel constructs would be bet this was a 1990 require time. The rultiplex do of December 2nd. As ad you advised.

Dallas Guess Senior Engineer Network Architecture



rn Bell

Ber Tower 32202

Note 1: Included in OSP 9 & 10 report.

BSCN Diversity per Headquarters plan. Refer to attached memo's from Dallas Guess-Strategic Planning which directs construction costs to the 1988 budget year.

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3: . Must have route diversity from the F505 Clay-Riverside.

4: Will require coordination with Daytona LATA plans.

Please provide us with transmission design, cost, and distance information as the engineering progresses.

Also, the lightguide cable between Yulee and the state line (F550) scheduled for June 1, 1987 was originally sized for 24 fibers: BSCN-12, and

has withdrawn their request for was service which will reques the size of the cable to 18 fibers. This change was acknowledged prior to the cable order placement.

Please refer any questions you may have to Mrs. Celeste Jacobson at 350-3903.

Yours truly.

Tactical Planning/North

Attachments

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December 23, 1986

Hemorandum to: Tactical F

Subject: Recommendations

In talking to Krista Tille advised that the BSCN Dive viewed with Ar. Snelling a EAL preparation with the e be shown as 1988. This ch construction dollars cause 112 offices. The shift ha requirements in the 1983 Ca the BSCH Diversity link do

An advisory letter is bein: Please make the corrections

Dallas Guess Senior Engineer Hetwork Strategic Plans-Network Architecture

Pelufor 1 W



Southern Bell

7JJ2 Southern Belt Tower 301 W. Bay Street Jacksonville, FL 32202 (924) 350-4500

H. N. Ivester Operations Manaber - Tactical Planning Switched Services - Provisioning

February 9, 1987

Mr. J. C. Miller Operations Manager Engineering Jacksonville, Florida

Mr. J. W. Cearley Engineering Manager Maintenance Engineering Jacksonville, Florida

Dear Sirs:

In evaluating the future needs for trunking cables in the Jacksonville LATA, the following list has been compiled which reflects the needs for the 1988-1989 time frame. These fiber cables have been included in the Jacksonville LATA Plan for 1987 and should be included in the June, 1987 Construction Budget View.

λ - Z Location	Cable ID	No. Fibers	EAD	Remarks/Notes
Jacksonville Beach - Beachwood	¥557	6	08/01/88	Cable exhaust
Arlington - Beachwood	F558	12	08/01/88	Cable exhaust Note 1
Southside Blvd. RSM - Beachwood	F559	6	02/01/88	New Switch
Clay - Normandy	£560	6	10/01/88	BSCN Diversity Note 2 & 3
Pomona Park - Pierson	P556	6	10/01/88	BSCN Diversity Note 2 & 4
Green Cove Springs - Palatka	P555	12	10/01/88	BSCN Diversity Note 2
Arlington - San Marco	F561	12	10/01/89	Relief plans

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FEB 1 1 1987

Operations Menager Scull Sector Distribution

Yours truly,

Note 1: Included in O:

Please provide us with information as the engineers, the lightquide or

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Operations Manager Tactical Planning/North

Attachments

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JACKSONVILLE LATA

TRUNK PACILITY SUMMARY

MOVEMBER 1,1987



Network + Transmission

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Network - Pacility Planning

Network + Equipment Planning

Network - Equipment Engineering

Network + Implementation

Distribution + Construction

Distribution - Engineering



ENGINEERING JKVL NW GROUP Page 9

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DISTRIBUTI

THIS PAGE MUST BE SUBMITTED WITH YOUR BID

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is to include obe indicated

A copy of the contract on file at the office of the General Manager-Network, Jacksonville, Florida, is by reference made a part of this bid package. You are required to review the contract and familiarize yourself with the provisions contained therein prior to submitting your bid.

Your signature on the line below shall certify to Southarn Bell that you have reviewed the contract on file and are agreeable to the terms and conditions contained therein should you be awarded the contract.

H. Herschiel Brookins

Vice President Title

Date: 22July 1988 -

TOTAL BID 63.876.86

F01B14Z 01141

Page 9

EV-7474

Consider the Constitution of the State System State St

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GENERAL NOTES

rice Per Hour Overtime 19.50 XXXXX water, etc. 15.00 Loc 3. Price Per Hour 5.50 traffic. 7.50 9.50 28.00 12.00 5.00 7.00 3.00 6.00 28.00 35.00 44.00 35.00 25.95 13.00 Price per day 1.55

A copy of General Honager-Ne made a part of thi contract and famil therein prior to s

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Your sign Southern Bell that are agreeable to t should you be awar

Date: 22July 1988

F01B14Z 01142

Price per day

1. All Florida Department of Transportation, and OSHA traffic control and safety regulations shall be strictly adhered to. 2. The contractor will be responsible for locating and protecting all utilities; to include telephone plant, gas, 3. No hand holes will be placed on this Job'except on Dwg. 21

4. Clean up will be kept up with and consistent with placing operation to minimize hazards to pedestrian & motor vehicle

5. The contract price for placing the fiber cable is to include the placement of electronic markers in locations to be indicated by telephone representative on job.

EV-7474

EXHIBIT "A" CONTRACTOR'S BID SHEET BURIED CABLE

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HOURLY COST ITEMS

Labor Items

		Price Per Hour	
Type Labor	Regular	· 24.	Overtime
Foreman on the Job	13.00	ÿ eş	19.50
Working Leader/Machine Operator	XXXXX	held,	XXXXX
Laborer	10.00		15.00
	QUIPMENT ITEMS		
	GOIF INC. IT CAND	4.4	
Type Equipment		4.	Price Per Hour
1 Ton Truck or Less			5.50
1 1/2 Ton to 2 Ton Truck			7.50
1 1/2 Ton to 2 Ton Truck with Winch			9.50
Tractor with Semi-Trailer		•	28.00
Air Compressor, 1-2 Pneumatic Hammers		/ .	12.00
			5.00
2-3 Inch Water Pump			7.00
4 Inch Water Pump		<u> </u>	
Blower (Gasoline or Electric)		<u></u>	3.00
Pote Trailer or Cable Trailer		<u> </u>	6.00
Trencher Any Size		.56	28.00
Pipe Pusher or Boring Machine			35.00
Tractor (buildozer)			44.00
			35.00
Backhoe		:	25.95
Hydraulic Pole Truck		.)	13.00
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Barricades			1.55
Lights			rice per day

- 1. All Florida Department control and safety regulati
- The contractor will be protecting all utilities; i water, etc.
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loyed, retained, tement or undert fee, or other may, by written actor to proceed by Southern Bell resentatives that) were offered or in Contractor, to graph Company or ing a contract or or amending, or formance of this

s of the attached sereto as Exhibit

er Contractor nor ert with or agreed sether actively or er above a certain forth herein have ation or agreement

01B

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01144

In Witness Whereof, the parties hereof have executed this agreement the day and year first above written, in duplicate originals.

Cable La, Inc.

Witness:

Jan M. Sign

Southern Bell Telephone And Telegraph Company

Paul Mifrehon

General Manager-Distribution

Attachments: Exhibit "A"

Exhibit "D"

(b)where the locating of complex below ground facilities requires the assistance of the Telephone Company in order to protect the telephone plant or when after making a reasonable effort the Contractor is unable to locate the Telephone Company facilities, the Telephone Company may render necessary assistance in these limited situations.

(c)At the request of the Contractor, the Telephone Company will confirm to the other utility or other person the fact that the Contractor is performing work for the Telephone Company and request the cooperation of such other utility or other person, but the Contractor shall be and remain solely responsible for taking protective measures or giving notices as herein specified, and the Telephone Company, its officers, employees or agents, shall not incur any liability by reason of such assistance to the Contractor or because of any failure of such other utility or other person to comply with any request by the Contractor or the Telephone Company.

ARTICLE 18. CHATUITIES

The Contractor warrants that no person or agency has been employed, retained, or directed to solicit or secure this Contract upon an agreement or underscanding for a commission, percentage, brokerage, contingent fee, or other remuneration. Southern Bell Telephone and Telegraph Company may, by written notice to the Contractor, terminate the right of the Contractor to proceed under this Contract or any other contract if it is found by Southern Bell Telephone and Telegraph Company or its duly authorized representatives that gratuities (in the form of entertainment, gifts, or otherwise) were offered or given by the Contractor, or any agent or representative of the Contractor, to any officer or employee of Southern Bell Telephone and Telegraph Company or its perent company, with a view toward or the intent of securing a contract or securing a favorable treatment with respect to the awarding or amending, or the making of any determinations with respect to the performance of this Contract.

ARTICLE 19. NON-DISCRIMINATION COMPLIANCE AGREEMENT

The Contractor agrees to comply with the applicable provisions of the attached Mon-Discrimination Compliance Agreement which is attached hereto as Exhibit "D".

ARTICLE 20. NON-COLLUSION CERTIFICATION

F01B14Z

01145

Jy executing this Contract. Contractor certifies that neither Contractor nor any of its officers, employees, or agents has acted in concert with or agreed with any other jersin, firm, corporation or other entity, whether actively or passively, to set the charges contained in Exhibit "A" at or above a certain rate. Contractor further certifies that the charges set forth herein have been arrived at and submitted by Contractor without consultation or agreement

In Mitness Whereof, the parties hereof ha and year first above written, in duplicate

Witness:

Vitegasi

Attachments: Exhibit "A"

Emibit 'D'

Southern Bell
6451 N. Federal Highway
Room 1205
Fon Leuderdale, Florida 33308

(305) 492-2992

12 516603

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er the initial study

cable of 8 fibers.

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iced using a lX1

ment was required
isted or were planned
as where link construcfor economic reasons.

summarized in
double budget rethe districts

II planning tool rtly.

F01B14Z 0114

and can be reached on (305) 492-2923.

Yours truly,

Operations Manager

Attachment

cc: Mr. H. C. Cordes Mr. H. I. Peck Ms. K. S. Tilluan

A. R. Davis*
Operations Manager
Network Strategic Planning

Our Bry

Southern Bell 6451 N Federal Highway

Room 1205 Fort Lauderdale Florida 33306 (305) 492-2992

February 23, 1987

02+20+88

January.

09+01+88

1988.

08+01+88

08+01-88

10-01-BB

з.

04+01-88

& MNDR)

06-01-88

09-01-87

:ansmission

> 09-01-87

cansmission

MEMORANDUM TO:

Mr. H. N. Ivester Mr. J. C. Hiller Mr. W. C. Miller Mr. W. H. Tyler Mr. C. E. Moering

SUBJECT: BSCN Diversity Study Status

The study is continuing with an analysis considering the cost of the inter-office network links that would have to be constructed and the timing of that relief if the Diversity Plan was not done. Cost comparisons are also being done on lesses to provide capacity between LATA Tandems. I have attached a copy of J. W. Simmons' letter of December 22, 1986 for your information to insure that the proposed construction dollars are covered in the budget for the June review as requested by Mr. Snelling.

There was a change in Beadquarters guidelines after the initial study work was completed which calls for a minimum size cable of 8 fibers.

This should be verified by the districts involved to insure the proper size and dollars. The system electronics were priced using a IXI configuration at 565 Mb/s where new terminal equipment was required and by adding to existing systems where routes existed or were planned before 1988. There have been a couple, of instances where link construction was moved into 1987 by the Tactical Planners for economic reasons. The dollars are still in the BSCN Diversity Plans summarized in Mr. Simmons' letter for 1988 so there may be some double budget requirements shown. This should also be checked by the districts involved.

The Restoration Plan is still on hold due to the NTI planning tool availability problem. This should be resolved shortly.

FF 2 6 87

A BILLSOUTH Company

it you have any question to

Yours troly,

Operations Manager

Attachment

cc: Mr. H. C. Cordes

Mr. R. I. Peck

Ms. K. S. Tillsan

mary for the 987+88 are on

fiber systems

report may be ager at (305)

NORTH FLORIDA AREA JACKSONVILLE LATA TRUNK FACILITY SUMMARY 1987-1988

e de frances. La proposition de la complète de la proposition de la complète de la complète de la complète de la complète de La proposition de la complète de la complète de la complète de la complete de la complète de la complete de la

NOVEMBER 1, 1987

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Network Strategic Planning
February 23, 1987

Occidions Manager -

A. M. Davis 1

HNDRAV-NNDRLO P542 EAD 02+20+88 Adds 6 Fibers Status: Construction scheduled to start splicing in January.

GCSPCN-PLTKMA F555 EAD 09+01+88 Adds 12 Fibers 5M

Status: Project scheduled to be submitted in January 1988.

JCBHMA-JCVLBW P557 EAD 08+01+88 Adds 12 Fibers SN

Status: Project scheduled for submittal in December

JCVLAR-JCVLBW F558 EAD 08+01-88
Adds 12 Fibers SN Status: Estimate Approval expected in November.

JCVLCL-JCVLNO F560 EAD 10-01-88 Adds 12 Fibers SM

Status: Project submittal scheduled for February 1988.

MNDRLO-STAGMA F563 EAD 04-01-88
Adds 18 Fibers SM
Status: Estimate Approval expected by 12-01-87 (STAG & MNDR)

STAGNA-STAGSH P564 EAD 06-01-88 Adds 6 Fibers SH

Status: Estimate Approval expected by 12-01-87.

YULEMA-KGLDGAR001 F6028 EAD 09-01-87
Adds 12 Fibers SN
Status: Construction complete and tested. State Transmission waiting on test results from Georgia.

YULEMA-YULEJ005 IF598 EAD 09-01-87
Adds 6 Fibers SM
Status: Construction complete and tested. State Transmission waiting on test results from Georgia.

MEMORANDUM TO:

Mr. H. K. Ivester Mr. J. C. Miller Mr. V. C. Miller Mr. V. B. Tyler Mr. C. E. Hoering

SUBJECT: ESCE Diver

The study is continuinter-office network tising of that relie parisons are also be: LATA Tandems. I have December 22, 1986 fo construction dollars requested by Mr. Sne

There was a change i work was completed w. This should be verif; size and dollars. The configuration at 565 and by edding to exist before 1985. There i tion was moved into I The dollars are still Mr. Simmons' letter fusirements shown. Thinvolved.

The Restoration Plan : availability problem.

F01B14Z 01149

There are no overdue span conditioning orders or fiber systems at this time.

Questions and updated information concerning this report may be directed to Annette Jones, Assistant Staff Hanager at (305) 492-2333.

Sura E. Smit

Manager - Network CAC/E911 District Coordination

MTT/1p

Attachment: 1987-1988 Trunk Facility Summary

The second secon

MMDRAV Adds 6 Status

GCSPCN: Adds 1; Status:

JCBIBIA-Adds 1: Status:

JCVLAR-Adds 12 Status:

JCVLCL-Adds 12 Status:

MIDRLO-Adds 18 Status:

STAGMA-Adds 6 Status:

YULEMA=: Adds 12 Status:

YULPHA-) Adds 6 ; Status: Per Unit

688.00

12.00

XXX

XXX

XXX

XXX

XXX

150.00

___XXX

18.38

EV-7474

BIE

No.Units

33

XXX

XXX

XXX

126

XXX

XXX

XXX

XXX

EXHIBIT "A" CONTRACTOR'S BID SHEET BURIED CABLE

North

EV-7474

SURFACE REMOVAL AND RESTORATION

<u>:</u>	No. C	Of Units	·.F	rice Per Square F	pat
Item Description	Ramove	Restore	Remove	Restare	Material
Sod or grass (to include top sol)	XXX		• xx	.40	20
Gravel or Crushed Rock In increments of 2 inches	xxx	5300	XXX	30	10
Asphalt, Blacktop, Macadam or : Equiv. In increments of 2 inches	865	1730	. 50	1,60	_,40
4 Inch Concrete (sidewalk, driveway)	53	53	. 50	2.00	
6 inch Concrete (sidewalk, driveway)	53	53	. 50	2.00	. 50
8 Inch Concrete (roadway, driveway)	XXX.	xxx	xx x 🚉	XXX	xxx
10 inch Concrete (roadway, driveway)	XXX	<u>xxx</u>	xx		_xxx
Concrete in increments of 1	200 X	xxx	xxx	_xxx	_xxx
Reinforcement for above Concrete (Mesh or Equity.)	\$15 xxx	2000	xxx	xxx	_xxx
Conventional seed and mulch or straw)	A XXXXX	xxxxx	74	10	10
Hydro seed	XXXXX	xxxxx		,10	.10
Concrete Curb Only	200x	XXX	_xxx		3000
Concrete Gutter Only	AVE JOX	xx			_xxx
Concrete Curb and Gutter Monolithic Construction	20	20	5.00	35.00	5.00
Granite Curb (Retain and Re-use)	N-XXX	xox	_xxx:		XXXXX
Saw Concrete	EMENTO.X	XXXXX	2.00	XXXXX	XXXXX
Saw Asphall	1/41134	XXXXX	1.00	XXXXX	XXXXX

' sign &

Page Total: \$ 9290.00 4

*Price per linear foot

F01B14Z 01151

-2424

ches

n Inches

F01B14Z

01152

45 In. 100 2.00 -- EV-7474

Form 67

EXHIBIT "A" CONTRACTOR'S BID SHEET BURIED CABLE

ADDITIONAL CHARGES FOR ITEMS RELATED TO BURIED CABIE

Unit	Item Description	No.Units	Per Unit
Each	Furnish and place fiber optic handhole	<u> </u>	688,00
*Each	Pedestal for terminal or cable marker (includes Each placing terminal or marker plate)	33	12.00
Each	Splice pits (firm soll))xxx	XXX
Each	Splice pits (fluid soil)	300X	xxx
6 In. Tr. Fl.	Plowed cable-Each increment of 6 inches or part thereof of rock trenching for a distance of 10 Tr. Ft. continuous feet or more	xxx_	xxx
**Bored Fool	Boring hole 4" BIP under roadways or driveways and placing casing when required (includes placing Foot cable)	126	18,38
Duct Foot	Any type conduit or pipe in open trench)XX	XXX
Lin, Foot	Lin. Placing cable or wire in trench opened and closed Foot by others or in new trench with other cable)))	
Per Day Per Pil	Barricade and light splice pits	∵xxx	xxx
Trench Foot	Each increment of 6 inches or part thereof below 48 inches of trench depth due to obstruction or Trench expected change in elevation for a distance of 10 Foot continuous feet or more	<u> </u>	
Per Entr.	Opening wall and pointing up (buried cable Entr. entrance—Existing manholo	4	150.00
Lin, Foot	Plowing second cable or wire simultaneously with first cable (larger diameter cable to be primary Foot cable))(X	<u> </u>

Page Total: \$ 3999.88

- * Markers will be concrete & price to include placing 'warming" sign & aluminum oval tag w/location information.
- ** Contractor to furnish black iron pipe.

CONT

SURFACE RE

No. Of

	No. Ur
lem Description	Remove
od or grass (to include top soil)	XXX
Gravel or Crushed Rock in ncrements of 2 inches	XXX
Asphalt, Blacktop, Macadam or Equiv. in increments of 2 inches	865
4 inch Concrete (sidewalk, driveway)	53
6 inch Concrete (sidewalk, driveway)	53
8 inch Concrete (roadway, driveway)	<u>xxx.</u>
0 inch Concrete (roadway, driveway)	xxx
"oncrete in increments of 1 sabove 10 inches	
Reinforcement for above Concrete (Mesh or Equiv.)	<u> </u>
Conventional seed and mulch or strawj	XXXXX
lydro seed	XXXXX
Concrete Curt Only	<u> </u>
Concrete Gutter Only	700%
Concrete Curb and Gutter Monolithic Construction)	20
Granite Curb (Retain and Re-use)	
iaw Concrete	70
Saw Asphalt	1134

Page Total: \$ 9290.00

*Price per linear foot.

Form \$739 (1-80) EV~7474 Page 4

ly surface removal and surface restoration id, it is appropriate that "Unit Prices" for rements.

ction required for vehicular or pedestrian at Prices" for such work and no additional

aterials furnished by the Contractor, except material furnished by him, except lumber

le items are removed and preserved for

Form 6739 (1-86) Page \$

EXHIBIT "A"
CONTRACTOR'S BID SHEET
BURIED CABLE

EV-7474

By Hersch	niel Brooking	Vice Pre	sident	Authoriza	No	7474
Date 22 Jul	N 1900			Exchange	•	
Cable o	or Wire	·-	NY METHOD o. & Price Per	Fool For Dep	IN OI Cover In Inc	ihes
Sizo & Type	Total Ft.	24 In.	30 In.	36 In.	42 In.	48 In
25 C2 BT-024	/U,6/4 p	100	100 -77	70,274	2.00	100 2.00
	P	r 			-	
	p	·		-	-	_
	P	·	-	-	-	
	p			_	-	
	! ¹	·				
			PLOWED	f*		
Cable		No.	& Price Per Cable	Or Wire Foot For	Plowed Cover in	Inches
Size & Type	Total Placed CaJWire Ft.	18 in.	1 24 In.	30 in.	, 36 In.	42 %
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Unit

Each Furnish Pedesta *Each lermina: Each Splice p Each Splice p Plowed 6 In. Tr. Ft. trenenir Boring t casing v **Bored Foot **Duct Foot** Any typ Lin. Plat Lin. Foot others c Per Day Barricac Each inc trench c elevatio Trench Foot Opening manholis Per Entr. Plowing. Lin Foot diamete.

Page Total: 13999.8E

* Markers will aluminum oval

** Contractor to

F01B14Z 01153

Form 8736 (1-86) Page 4

EV-7474

4.08 In those instances where the Contractor is under contract to perform only surface removal and surface restoration will be performed by others, and temporary re-paving or resurfacing is required, it is appropriate that "Unit Prices" for such temporary re-paving and resurfacing be established to cover local requirements.

4.07 Any temporary walkways, driveways, bridges, or other temporary construction required for vehicular or pedestrian traffic during the performance of the work herein shall be included in the "Unit Prices" for such work and no additional compensation will be allowed the Contractor for such temporary construction.

4.08 The "Unit Prices" for surface restoration shall exclude the cost of all materials furnished by the Contractor, except the cost for lumber used as firms. The Contractor will be reimbursed for all material furnished by him, except lumber used as forms, by means of separate "Unit Prices" where appropriate.

4.09 Removal prices of sod, gravel or crushed rock will apply only when these items are removed and preserved for reuse.

BID SUBMITTED BY:

Firm CABLE-LA, INC

A Notable Process

By Herschiel Brookins

Title

Cable or Wire

Total

Size & Type	Total Ft.	
AT 25 C2 BT-024	70,674	it <u>10</u> ,
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Cable or Wire

Total Placed
Ca / Wire F1

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ist, defend any action") arising brought jointly against any of se unich may be ad shall pay any itees in connections set forth lephone Company.

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i additional inisis to the full morny have other insurance only: wing form:

the inot ier's on as on or ded."

F01B14Z 01155

(f)All of such insurance, including renewals, shall be subject to the approval of the Telephone Company for adequacy of protection, and evidence of such coverages shall be furnished to the Telephone Company on Southern Bell Telephone and Telegraph Company Certificates of Insurance indicating such insurance to be in force and effect and providing that it will not be canceled during the performance of the work under this agreement without thirty (30) during the performance of the work under this agreement without thirty (30) calendar days affor written notice to the Telephone Company. Completed Southern Bell Telephone and Telegraph Company Certificates of Insurance shall be filed with the Telephone Company prior to commencement of work hereunder; provided, however, that Contractor shall at any time upon request file duplicate copies of the policies of such insurance with the Telephone Company.

(g) if in the judgment of the Telephone Company, prevailing conditions warrant the provision of additional liability insurance coverage or coverage which is different in bind, the Telephone Company reserves the right to require the provision of an amount of coverage different from the above stated amounts or in kind and shall afford written notice of such change in requirements thirty (30) days priorite the date on which the requirements shall take effect. Should the Contractor fail or refuse to satisfy the requirement of changed coverage within thirty (30) days following the Telephone Company's written notice, this agreement shall be considered terminated on the date that the required change a policy coverage would otherwise take effect.

ARTICLE 13. PETHED OF PAYMENT: DETAILED STATEMENTS

(a) The Contractor agrees to furnish detailed statements covering the entire work promotly upon completion of the Contract, or covering portions of the work completed on the Contract where the billing would be delayed appreciably if withheld waiting the final completion of the Contract. The detailed statements shall contain a complete list of all units of work performed under Exhibit "A mainta a description of the units of work included in the statement.

(b) The Telephone Company will pay to the Contractor not later than 30 days after the receipt of such detailed statements the total amount due to the Contractor.

MICE A. MCHETO SILLS

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. ?".

. s. 14

The Contractor shalls if requested by the Telephone Company's General Manager-Distribution attach to the statements referred to in Article 13. Manager-Distribution attach to the statements referred to in Article 13. receipted bills for all labor and materials furnished, and for any other expense contained in the said statements, and in the event there are expense contained in the said statements, and in the event there are outstanding against the Contractor any bills for labor or materials, or for outstanding against the Contractor any bills for labor or materials, or for outstanding against the Contractor any bills for labor or materials, or for outstanding bills and deduct the amount of same from the amounts shown in the statement.

- BCAS OSP SOURCE DOLLARS ----CURR ISS 053089 TY AUTH AUTH NO SIG CHG ISS INIT ISS 020287 38 **PROGRAM** PAC LOCK GENERAL CONTRACT 77893 845C CTB 68.345 MATERIAL 247012 MAT 8.386 OTHER 3" 30308 OTH .039 TELCO ENGINEERING 142 TCE 1.678 TELCO LABOR 6063 TCL Y 361418 100.000 TOT

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PAGE 2.

AUTH AUTH NO PROJ V7474 360274

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2 ESS IBER INTEROFF BCAS OSP PAC-PIT-PROG DOLLARS

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AC PIT PROG PROGRAM PROGPER DESCRIPTION

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OUTSIDE PLANT FORM S.N. 4A-SB SHEET 2 SOUTHERN BELL (A) ! (E) ! (F) ! (G) ! (R) ! (I) TOTALS RY THE ACCOUNTS TOTAL COMMAN (F) 477877 NET REQUIREMENT PLUS COLUMN (C) 477877

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by Mr. H. N.

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OUTSIDE PLANT

FORM S.N. 4A-SB SHEET

SOUTHERN BELL ACCOUNTS CHARGEABLE, ESTIMATE NO. V7474 PROJECT NO. OR TEL. EQUIP. ORDER 360274

OUTSIDE PLAN	T CONTRACT	COST \$	5416	**		
LOC. ACCT AREA CODE (A) (B)		PLANT ! RETIRED ! (D) !	SALVAGEI (E) I	COST OF !. REMOVAL! EXP (F) (! Enselinteres G) ! (H)	! TELCO IT! ENG.
31313177C 1845C		! !	 		!	 -986 -43619
TOTALS	-116459		<i>:</i>			-44605

	SUMMARY	OF EFFECT	T ON THE	ACCOUNTS		
GROSS TOTAL	EXPENDIT COLUMN	TURES - (C) PLUS (COLUMN (; ; ;	-116459	
PLUS (COLUMN (I	TS - TOT			-116459	٠
NET A	DDITIONS COLUMN	C) MINUS	COLUMN	(D) !	-116459	

LOC. ! ACCT ! GROSS ! AREA I CODE !ADDITIONS! (A) 1 (B) 1 (C) !

ORIGINAL AND PREVIOUSLY OUTSIDE PLANT CONTRACT C

BCAS RPT 0014 DATE 05/30/89

> 31313!77C . !845C ! 473175! TOTALS 477877

> > SUMMARY OF EFFECT

GROSS EXPENDITURES -TOTAL COLUMN (C) PLUS CO

NET REQUIREMENTS - TOTAL PLUS COLUMN (F) MINUS CO

> NET ADDITIONS -TOTAL COLUMN (C) MINUS (

TO THE PROPERTY OF THE

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PROJE.

Page 2 of 2 westernes - Corni PAGE 1 OF 2 Northwest Jacksonville 910 Frank 187 PLEHENT NO. 02 Project 3G0274 Estimate No. V7474-Supplement No. 2 TE: 05/30/89 This supplemental estimate provides for a decrease in Gross
Expenditures on Estimate V7474 which received executive approval on March 8, 1988, Ethis estimate was approved to place 54,416 feet of buried twelve fiber single mode fiber optic trunk pable in the southern portion of the Pomona Park exchange Fibris cable will connect with similar facilities placed morth from the Fibrish Pierson Central Office. and provide palicetude system between Pomona Park and Pierson. This work is in accordance with an Executive Approval letter dated August 26, 1987, and signed by Mr. R. K. Snelling. Nature & Necessity: ICT: 360274 NO.: 31313 BNDRY TS -- \$116.459 ! -\$116,459 : Supplement No. 1 to this estimate was approved April 18/4988; and called for placing twenty four fibers in lieu of twelve. This increase in the number of fibers is in accordance with an approval letter dated February 24, 1988, and signed by Mr. H. N. Ivester. All work on this estimate will be completed as proposed by Supplement No. 1. Supplement No. 2 is necessary because the cost factors used in the original estimate plus Supplement No. 1 were higher than the actuals. This supplemental estimate provides for a decrease in Gross Expenditures of \$116,459, which includes a decrease in material by \$27,761; in labor by \$79,817; in engineering by \$44,605; and an increase in Contract Billing by \$5,416; and in other by \$30,308. These amounts are in accordance with Form 4631 dated May, 1989. PENSE SERVICE DATE 02/28/89 N PAGE 2 T - NETHORK E PRESIDENT

011 ð BCAS RPT 0014 DATE 05/30/89

SUPPLEMENT NUMBER 02 OUTSIDE PLANT CONTRA

LOC: | ACCT | GROSS AREA | CODE | ADDITION (A) | (B) | (C) 231318177C | -470 1845C | -11170

-470 -11171

SUNMARY OF EFFE

GROSS EXPENDITURES -AROSS EXPENDITURES
TOTAL COLUMN (C) PLUS

MET REQUIREMENTS - TO
PLUS COLUMN (F) MINUS

NET ADDITIONS TOTAL COLUMN (C) MINUS

	BCAS RPT 0014 DATE 05/30/89	S.N.4SB - OSPM Page 1 of 2
	APPROVALS - ESTIN	ATE NO. V7474 SUPPLEMENT NO. 02
©	STATE/AREA: FLORIDA DIVISION: N. JAXVILL	DATE: 05/30/89
	I DISTRICT: NH.JAX I LOCATION: UCVL HEST	PROJECT: 3GO274
	TITLE: BSCN FIBER CA POMONA PK	AREA NO.: 31313
(3	GROSS EXPENDITURES -\$116,459	*************************
	GROSS EXPENDITURES -\$116,459	NET REQUIREMENTS -\$116,459
	: GROSS ADDITIONS : TO PLANT -\$116.459	! NET ADDITIONS ! TO PLANT -\$116,459 !
! : :	I to the man	AMOUNT TO BE BILLED :
•	I I TYPE ESTIMATE SHORT TERM	ASSOCIATED EXPENSE
G	ORDER DUE	COMPLETE SERVICE : DATE 07/31/89 DATE 02/28/89 :
! ! :	NATURE AND NECESSITY O	F WORK BEGINS ON PAGE 2
•	FCC AUTH: NO PC NO.APPVD/APP	
! 4	1 APPRGVED BY: DATE	APPROVED BY: DATE !
	I I DISTRICT ENGINEER	
•	1	1
	OPERATIONS MANAGER	VICE PRESIDENT - NETWORK
g) 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	t safety 1	
	I GENERAL MANAGER	I EXECUTIVE VICE PRESIDENT
e E	1	
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Project 3G027-Estimate No. '

Nature & Nece:

This suppleme Expenditures on March 8, 1 feet of burie in the southe will connect Pierson Centr Pomona Park 2 Executive App Mr. R. K. Sne

Supplement No and called for This increase approval leti Ivester.

All work on t Supplement No cost factors were higher t provides for includes a de in engineerie by \$5,416; as accordance wi

2.0

FORM 8025-S SHEET 002

ILS FOR V7474

TELCO ORDER NO. 360274

EHENT, I	, TOTAL	ł !	Ale
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with any other person, Time, temperation or other entity which has also sub-mitted a quotation to perform the same or similar port in the same or another area for the Telephone Company, "Pould It be determined that Controctor has committed any of the acts set forth in this pergraph, the Jelephone Company shall have the right to immediately terminate this Controct, Upon such termi-metion, the Telephone Company shall have no further obligation or liability to the Controctor.

ARTICLE 21. SEVERABILITY

If any of the provisions of this Contract shall be invalid or unemforceable under the laws of the jurisdiction applicable to the Contract, such invalidity or unemforceable the invalidity or unemforceable the construct of the particular invalid or unemforceable growtsian,

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The Contractor Regrees that the Assistant Comptroller or the General Panager-Comptroller of Southern Bell Telephone and Telephone Company or any of his duly authorized representatives that]; until the Subjection of these years after final payments their this Contractor, the Telephone Company shall also have the right; when I paying the Contractor, the Telephone Company shall also have the right; when I paying the Telephone Company shall also have the right; when I paying the Contractor of Contractor's operations it may be and from the Standard Contractor's operations of the Southern South Paying the term of this Contractor's Such Previous may Making the Paying of all books, documents, assert and records of the Contractor. papers, and records of the Contractor.

ARTICLE 23. CONTINCT MEAS AND MINERSTONS

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The Contractor hereby admits that he has reed each and every clause of this Contract, and the annexed "Embits", and fully understands the meaning of the same, and hereby agrees that he will comply with all the terms, convenents and agreements set forth herein.

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ARTICLE 16. ASSISTED TO THE STATE OF THE CONTROL OF

(a) The nature of work herein contemplated may bring the employees of the Contractor and its subcontractors late place presently to the existing everheed. tractor and its subcontractors into close prominity to the actiting overhead, surface and underground facilities of the Jalaphone Company, other stillies or other persons, with a resulting risk or danger of personal injury to such a property or danger of personal injury to such applicate or facilities, should the nort prints, drawings, and indicate the location of such facilities, whether those of the Telephone Company, other utilities or other persons, it is empressly understood and oproce that the Telephone Company, its officers, unlesses and agents shall not incur any liability for injury to persons or dange, to property by reason of furnishing or falling to furnish such information, the Contractor barndy assuming full responsibility for determining the exact location of all such facilities and their presenting to the serfermed under this Contract. The Confull responsibility for determining the exact location of all such facilities and their presently to the work to be performed under this Controct. The Controctor will heap itself, fully informed of the dates; times and places on and it which bech and every phase of the work herein contemplated is being or is to be performed, and the Controctor hereby assumes full responsibility of take ing such protective measures and giving any and all decices which may be required to eveil or reduce to a minimum the risk of danger of personal injury and such configurations. to such ampleyees or damage to such facilities.

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This Agreement is made this 28th day of July 19 88 by an action Cable La, Inc. Agreement Cable La, Inc. Agreement Company Contractor and the Southern Sell relegions and telegraph Company, hereinsfor calls Telegraph Company.

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taging without bid present The Contractor will perform for the Telephone Company the Itams of Contract Mork authorized and/or required on the above Authority at the above location affect and full accordance with the requirements por the plans of any and in specifications of the Telephone Company covering the Itams of work set forth

ARTICLE 2. CONTRACT LIMITATION

Southern Hell Telephone and Telegraph Company

(a) The Telephone Company and the Compacter ogree that the liability of the Telephone Company to pay compensation to the Contracter for the performance of which is a FIXED PRICE or is the estimated total contract cost computed by applying the unit prices to all of the work units listed on the attaches Entibit "A" with a reasonable allowance for contingencies, plants.

(b) This Contract Limitation may be encoded to the entent arthurized in writing by the Telephone Company's General Manageribistribution, 12 teinest bag geffelle gibt ge

ARTICLE 3. CONTRACT PRICE To not provide the contractor by the Telephone Company and the Contractor agree that there are two methods of computing compensation to be paid the Contractor by the Telephone Company for units perferred by the Contractor under this type of Contract and the method indicated by (X) in block below shall be used for computing compensation due the Contractor under this type of Contract and the method indicated by (X) in block below shall be used for computing compensation due the Contractor under this Contractors, each rouses at aforder

Aresele 16 Assignmensachter in aforest FIXED PRICE OF \$300 centers to be paid the Contractor for the completion and acceptance of all items of work set forth in attached Exhibit "A". Deductions for any items not completed or payment for any added items to be explained in writing and approved by the Telephone Company's General Manager-Bistribution, ... 33 322774

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Article 16. Assignments	
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Article 17. Protective Resources and Notices;

Article 18. Protective Resources and Notices;

Article 38. Protective Resources and Notices;

Article 39. Resource Resources and Notices;

Article 20. Resource Resources and Notices;

Article 21. Severability,

Article 22. Examination of Records.

Article 23. Contract Resources and Understood.

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Jacksonville, FL (32205)

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Power equipment system, (e.g., beckup motor-generator system, a battery plant, group of bus bars)

Test equipment that is herdwired or specifically designed and dedicated for use with a particular major system or component may be accounted for as part of the component if designed late it or separately if it is a separate mait.

Retirement Units for telecommunications plant accounts are those coded as Retirement Units in the Continuing Property Record Category, and ilks equipment.

- 2. ACCOUNT 33 1, ANALOG BLECTRONIC BWITCHING
- 2.1 SRC 2211.1000, Analog Licetronie Switching Equipment

FRC 770

This SRC is used to record the original investment of stored program control analog switching equipment that utilizes space division networks to provide transmission paths. (Space division technology utilizes utages of metallic or semi-conductor devices to establish a physical, electrical spatial link to connect terminated lines and trunks. The connecting path through the network is maintained for the dutation of the memoge and either analog or digital information within the bandwidth of the network may be passed). The limits of this SRC are the equipment, including the main distributing frame or equivalent and connectors mounted thereon which terminate a transmission path to and including the main distributing frame or equivalent and connectors mounted thereon which resumes the transmission path. Also included is associated equipment in Note A above and the investment of any remote electronic switching units controlled by offices classified to this account.

2.2 Following is an illustrative list of Analog Electronic Switching Retirements Units (also see Note E of paragraph LA above):

Retirement Unitt

Automatic message renording equipment
Cell store equipment
Central processor
Control console
Disk drive and controller
Input/output device, such as a terminal, display and alarm unit, memory card
writer, or tape drive and controller
Line scanner
Processor peripheral interface unit

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PROPRIETARY INFORMATION

MANIN LEAKTAN WHE

July 28, 1988

Maria Penela Room 352 666 MV 79th Avenue Miami, FL 33102-01:

Cable La, Inc. P. 0. Box 1369 Aften, SC 29801

R. Christian 1710 Talbot Avenue Jacksonville, FL 3:

6. T. Rollins 74 State Road 224 Grange Park, FL 320

W. T. Coppins 301 W. Bay Street Room 22331 SBT Jacksonville, FL 32

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BCAS RPT 0014 DATE 05/30/89 OUTSIDE PLANT FORM S.N. 4A-SB BHEET 1 SOUTHERN BELL ACCOUNTS CHARGEABLE, ESTIMATE NO. V7474 PROJECT NO. OR TEL. EQUIP. ORDER 360274 SUPPLEMENT NUMBER 02 OUTSIDE PLANT CONTRACT COST \$ 8416 LOC | ACCT | GROSS | PLANT | | COST OF | | | TELCO LOC. I ACCT | GROSS | PLANT | | COST OF! | | TELCO AREA | CODE | ADDITIONS| RETIRED | SALVAGE| REMOVAL| EXPENSE | INTEREST! ENG. (A) | (B) | (C) | (D) | (E) | (F) | (G) | (H) | (I) ! ! -986 ! ! -43619 SIMMADY OF PERPAT ON THE ADDRESS SUMMARY OF EFFECT ON THE ACCOUNTS GROSS EXPENDITURES -GROSS EXPENDITURES -MET REQUIREMENTS - TOTAL COLUMN (C)! PLUS COLUMN (F) MINUS COLUMN (E) -116459 NET. ADDITIONS -TOTAL COLUMN (C) MINUS COLUMN (D) -116459

BCAS RPT 0014 DATE 05/30/89

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SUMMARY OF EFFECT

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Page 2 of 2 Northwest Jacksonville

Project 3G0274
Estimate No. V7474-Supplement No. 2

Nature & Necessity:

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This supplemental estimate provides for a decrease in Großs

Expenditures on Estimate V7474 which received executive approval on March 8, 1988. This estimate was approved to place 54,416 feet of buried twelve fiber single mode fiber optic trunk mable in the southern portion of the Pomona Park exchange This cable will connect with similar facilities blaced north from the five Pierson Central Office and provide a lightguide system between Pomona Park and Pierson. This work is in accordance with an Executive Approval letter dated August 26, 1987, and signed by Mr. R. K. Snelling.

Supplement No. 1 to this estimate was approved April 18/21988; and called for placing twenty-four fibers in lieu of twelve. This increase in the number of fibers is in accordance with an approval letter dated February 24, 1988, and signed by Mr. H. W. Ivester.

All work on this estimate will be completed as proposed by Supplement No. 1. Supplement No. 2 is necessary because the cost factors used in the original estimate plus Supplement No. 1 were higher than the actuals. This supplemental estimate provides for a decrease in Gross Expenditures of \$116,459, which includes a decrease in material by \$27,761; in labor by \$79,817; in engineering by \$44,605; and an increase in Contract Billing by \$5,416; and in other by \$30,308. These amounts are in accordance with Form 4631 dated May,1989.

BCAS RPT 0014
DATE 05/30/89

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SUPPLEMENT NUMBER 02
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	BCAS RPT 0014 DATE 05/30/89			S.N.4SB - OSPM PAGE 1 OF 2
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Project 3G027 Estimate No.

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Mr. R. K. She

Supplement No and called for This increase approval latter.

All work on t Supplement No cost factors were higher t provides for includes a dein engineering by \$5,416; as accordance was

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118 FOR V7474

TELCO ORDER NO. 360274

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