Attachment B

FPSC DOCKET 950984-TP

FPSC STAFF'S 1ST REQUEST FOR DOCUMENTS ITEMS 4 & 5

PUBLIC VERSION

2 REDACTED COPIES

Introduction & Overview

Study Objective/Purpose

This study reflects the incremental costs associated with the unbundling of line-side switch terminations. Three main types of terminations have been studied; the unbundled exchange port, the integrated digital loop carrier system termination (concentrated and non-concentrated), and the TR303 system termination.

Service Description

The resource investment calculated in this study identifies the investments associated with terminating a subscriber on the switching system, independent of their usage, i.e. non-traffic sensitive investments.

Cost Methodology

Switching investments represent the consumption of central office equipment required to provide a physical line-side termination on the switch. The subscriber can currently be terminated on the line-side of the switch in two basic ways: as an analog termination or directly integrated digitally via a digital loop carrier (DLC) system. The digital termination can be broken down further into non-TR303 and TR303 types of DLC systems. Different switch components are required based on the type of termination.

The SCIS (Switching Cost Information System) model was used to determine the analog and the non-TR303 DLC termination investments. (SCIS is a Bellcore developed software model which partitions the switch into functional components based on vendor provided engineering rules and user entered characteristics.) BellSouth Network provided the discounted material price of a TR303 system and the capacity of the equipment. This information was used to determine the resources required to terminate a DLC system.

The switch investments were augmented to include BellSouth labor, inflation trends, and sales tax. Annual cost factors (developed by the Fundamental Cost group) were then applied against this adjusted investment to determine the capital and operating costs associated with the investment.

4	Unbundled Exchange Port	Per Port
6 7	Integrated DLC Nontraffic Sensitive Termination Nonconcentrated (Mode 1) Concentrated (Mode 2)	Per System
9 10	TR303 Nontraffic Sensitive Termination Nonconcentrated (Mode 1) Concentrated (Mode 2)	Per System

Source: ACE Report 20.

USOC INVESTMENT DETAILS
Study Number: 95-076
Study Name: Unbundled Terminations
Tariff Element: Unbundled Exchange Port per Line

State	Tariff Ref	USOC	Modifier	Technology	Vol. Sens.	Economic Type	Investment Basis
FL		AAA		Meld	VS	D	Line

	PRIMARY INVESTMENT DATA					INVESTMENT LOADING FACTORS				SUPPORT STRUCTURE LOADINGS			BOOKED INVESTMENTS	
	Field Code	Description	Capital Investment	Operating Investment	Date	FC Factor	InPlant Factor	InPlant Type	CE&P Factor	Loading Factor	Loading Type	Field Code	Capital Investment	Operating Investment
11	377C	Unbundled Exchange Port			10/24/95	1.0120	1.1236	T	1.0962				[redacted]	
12	377C	- Support Loading ----->			10/24/95					.0404	switch_bldg	10C		
13	377C	- Support Loading ----->			10/24/95					.0030	switch_land	20C		[redacted]

14

ADJUSTED TOTAL INVESTMENT:

NOTES: 1. The BOOKED INVESTMENT for PRIMARY INVESTMENTS is calculated by multiplying the PRIMARY INVESTMENT by the applicable INVESTMENT LOADING FACTORS.
2. The BOOKED INVESTMENT for SUPPORT STRUCTURE LOADINGS is calculated by multiplying the applicable Loading Factor by the sum of INVESTMENTS for each primary Field Code.
3. InPlant Factor types: T = Telco, C = Material Composite, H = Material Hardwire, P = Material Plugin
4. The FC factor is the levelized inflation factor for investments.

USOC ANNUAL COST DETAILS

ACE REPORT 20
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10/25/95

Study Number: 95-076
Study Name: Unbundled Terminations
Tariff Element: Unbundled Exchange Port per Line

State	Tariff Ref	USOC	Modifier	Technology	Volume Sensitivity	Economic Type	Investment Basis
FL		AAA		Mald	VS	D	Line

	Field Code	St	Capital Investment	Operating Investment	Date	Depr. Factor	C.O.M. Factor	Inc Tax Factor	Mtce. Factor	Admin Factor	AdVal Factor	GRT Factor	Depr. Expense	C.O.M. Expense	Inc Tax Expense	Mtce. Expense	Admin Expense	Adval Expense	GRT Expense
11	10C	FL	[redacted]			.0302	.0986	.0452	.0069	0.0000	.0113	.0152	[redacted]						
12	20C	FL				0.0000	.1118	.0514	0.0000	0.0000	.0113	.0152							
13	377C	FL	[redacted]			.1134	.0651	.0302	.0282	.0461	.0113	.0152							
14	SUMMARY:		ADJUSTED TOTAL INVESTMENT																
15			ANNUAL CAPITAL COSTS:			Depreciation Expense													
16						Cost of Money													
17						Income Tax Expense													
18			ANNUAL OPERATING EXPENSES:			Maintenance Expense													
19						Administration Expense													
20						Ad Valorem and Other Taxes													
21			Gross Receipts Tax																
22			TOTAL ANNUAL COSTS																

TOTAL MONTHLY COST:

FI8801Z

0000004

NOTES: 1. Capital and Operating Investments are the BOOKED INVESTMENTS from ACE Report 10.
2. Depreciation, Cost of Money, and Income Tax Expenses = Capital Investment multiplied by the corresponding Annual Cost Factor.
3. Maintenance, Administrative, and Ad Valorem Expenses = Operating Investment multiplied by the corresponding Annual Cost Factor.
4. Gross Receipts Tax = Gross Receipts Tax Factor multiplied by the sum of Capital Costs and Operating Expenses.

USOC INVESTMENT DETAILS
Study Number: 95-076
Study Name: Unbundled Terminations
Tariff Element: Mode 1 Termination (Nonconcentrated) per System

State	Tariff Ref	USOC	Modifier	Technology	Vol. Sens.	Economic Type	Investment Basis
FL		BBB		Meld	VS	D	System

	PRIMARY INVESTMENT DATA					INVESTMENT LOADING FACTORS				SUPPORT STRUCTURE LOADINGS			BOOKED INVESTMENT	
	Field Code	Description	Capital Investment	Operating Investment	Date	FC Factor	InPlant Factor	InPlant Type	CE&P Factor	Loading Factor	Loading Type	Field Code	Capital Investment	Operating Investment
11	357C	Mode 1 Termination			10/24/95	.9700	1.0896	T	1.1202					
12	357C	- Support Loading ----->			10/24/95					.0404	circuit_bldg	10C		
13	357C	- Support Loading ----->			10/24/95					.0030	circuit_land	20C		
14	377C	Mode 1 Termination			10/24/95	1.0120	1.1236	T	1.0962					
15	377C	- Support Loading ----->			10/24/95					.0404	switch_bldg	10C		
16	377C	- Support Loading ----->			10/24/95					.0030	switch_land	20C		
17										ADJUSTED TOTAL INVESTMENT:				

FL 18B01Z

00000005

NOTES: 1. The BOOKED INVESTMENT for PRIMARY INVESTMENTS is calculated by multiplying the PRIMARY INVESTMENT by the applicable INVESTMENT LOADING FACTORS.
2. The BOOKED INVESTMENT for SUPPORT STRUCTURE LOADINGS is calculated by multiplying the applicable Loading Factor by the sum of INVESTMENTS for each primary Field Code.
3. InPlant Factor types: T = Telco, C = Material Composite, H = Material Hardwire, P = Material Plugin
4. The FC factor is the levelized inflation factor for investments.

USOC ANNUAL COST DETAILS
Study Number: 95-076
Study Name: Unbundled Terminations
Tariff Element: Mode 1 Termination (Nonconcentrated)
per System

State	Tariff Ref	USOC	Modifier	Technology	Volume Sensitivity	Economic Type	Investment Basis
FL		BBB		Meld	VS	D	System

			INVESTMENT DATA			ANNUAL COST FACTORS							ANNUAL EXPENSES						
	Field Code	St	Capital Investment	Operating Investment	Date	Depr. Factor	C.O.M. Factor	Inc Tax Factor	Mtce. Factor	Admin Factor	AdVal Factor	GRT Factor	Depr. Expense	C.O.M. Expense	Inc Tax Expense	Mtce. Expense	Admin Expense	Adval Expense	GRT Expense
11	10C	FL				.0302	.0986	.0452	.0069	0.0000	.0113	.0152							
12	20C	FL				0.0000	.1118	.0514	0.0000	0.0000	.0113	.0152							
13	357C	FL				.1134	.0638	.0297	.0086	.0461	.0113	.0152							
14	377C	FL				.1134	.0651	.0302	.0282	.0461	.0113	.0152							
15																			

	SUMMARY:	ADJUSTED TOTAL INVESTMENT	
16		ANNUAL CAPITAL COSTS:	Depreciation Expense
17			Cost of Money
18			Income Tax Expense
19		ANNUAL OPERATING EXPENSES:	Maintenance Expense
20			Administration Expense
21			Ad Valorem and Other Taxes
22		Gross Receipts Tax	
23		TOTAL ANNUAL COSTS	TOTAL MONTHLY COST:

FL880012

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NOTES: 1. Capital and Operating Investments are the BOOKED INVESTMENTS from ACE Report 10.
2. Depreciation, Cost of Money, and Income Tax Expenses = Capital Investment multiplied by the corresponding Annual Cost Factor.
3. Maintenance, Administrative, and Ad Valorem Expenses = Operating Investment multiplied by the corresponding Annual Cost Factor.
4. Gross Receipts Tax = Gross Receipts Tax Factor multiplied by the sum of Capital Costs and Operating Expenses.

USOC INVESTMENT DETAILS
Study Number: 95-076
Study Name: Unbundled Terminations
Tariff Element: Mode 2 Termination (Concentrated)
per System

State	Tariff Ref	USOC	Modifier	Technology	Vol. Sens.	Economic Type	Investment Basis
FL		CCC		Meld	VS	D	System

	PRIMARY INVESTMENT DATA							INVESTMENT LOADING FACTORS			SUPPORT STRUCTURE LOADINGS			BOOKED INVESTMENTS	
	Field Code	Description	Capital Investment	Operating Investment	Date	FC Factor	InPlant Factor	InPlant Type	CE&P Factor	Loading Factor	Loading Type	Field Code	Capital Investment	Operating Investment
11	357C	Mode 2 Termination			10/24/95	.9700	1.0896	T	1.1202					
12	357C	- Support Loading ----->			10/24/95					.0404	circuit_bldg	10C		
13	357C	- Support Loading ----->			10/24/95					.0030	circuit_land	20C		
14	377C	Mode 2 Termination			10/24/95	1.0120	1.1236	T	1.0962					
15	377C	- Support Loading ----->			10/24/95					.0404	switch_bldg	10C		
16	377C	- Support Loading ----->			10/24/95					.0030	switch_land	20C		
17														
												ADJUSTED TOTAL INVESTMENT:		

NOTES: 1. The BOOKED INVESTMENT for PRIMARY INVESTMENTS is calculated by multiplying the PRIMARY INVESTMENT by the applicable INVESTMENT LOADING FACTORS.
2. The BOOKED INVESTMENT for SUPPORT STRUCTURE LOADINGS is calculated by multiplying the applicable Loading Factor by the sum of INVESTMENTS for each primary Field Code.
3. InPlant Factor types: T = Telco, C = Material Composite, H = Material Hardwire, P = Material Plugin
4. The FC factor is the levelized inflation factor for investments.

USOC ANNUAL COST DETAILS

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Study Number: 95-076

Study Name: Unbundled Terminations

Tariff Element: Mode 2 Termination (Concentrated)

State	Tariff Ref	USOC per System	Modifier	Technology	Volume Sensitivity	Economic Type	Investment Basis
FL		CCC		Meld	VS	D	System

			INVESTMENT DATA			ANNUAL COST FACTORS							ANNUAL EXPENSES						
	Field Code	St	Capital Investment	Operating Investment	Date	Depr. Factor	C.O.M. Factor	Inc Tax Factor	Mtce. Factor	Admin Factor	AdVal Factor	GRT Factor	Depr. Expense	C.O.M. Expense	Inc Tax Expense	Mtce. Expense	Admin Expense	Adval Expense	GRT Expense
11	10C	FL				.0302	.0986	.0452	.0069	0.0000	.0113	.0152							
12	20C	FL				0.0000	.1118	.0514	0.0000	0.0000	.0113	.0152							
13	357C	FL				.1134	.0638	.0297	.0086	.0461	.0113	.0152							
14	377C	FL				.1134	.0651	.0302	.0282	.0461	.0113	.0152							

15 SUMMARY: ADJUSTED TOTAL INVESTMENT

16 ANNUAL CAPITAL COSTS: Depreciation Expense

17 Cost of Money

18 Income Tax Expense

19 ANNUAL OPERATING EXPENSES: Maintenance Expense

20 Administration Expense

21 Ad Valorem and Other Taxes

22 Gross Receipts Tax

23 TOTAL ANNUAL COSTS TOTAL MONTHLY COST:

FI18017

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NOTES: 1. Capital and Operating Investments are the BOOKED INVESTMENTS from ACE Report 10.

2. Depreciation, Cost of Money, and Income Tax Expenses = Capital Investment multiplied by the corresponding Annual Cost Factor.

3. Maintenance, Administrative, and Ad Valorem Expenses = Operating Investment multiplied by the corresponding Annual Cost Factor.

4. Gross Receipts Tax = Gross Receipts Tax Factor multiplied by the sum of Capital Costs and Operating Expenses.

USOC INVESTMENT DETAILS
Study Number: 95-076
Study Name: Unbundled Terminations
Tariff Element: TR303 Mode 1 Termination (Nonconcentrated)
per System

State	Tariff Ref	USOC	Modifier	Technology	Vol. Sens.	Economic Type	Investment Basis
FL		DDD		Meld	VS	D	System

	PRIMARY INVESTMENT DATA					INVESTMENT LOADING FACTORS				SUPPORT STRUCTURE LOADINGS			BOOKED INVESTMENT	
	Field Code	Description	Capital Investment	Operating Investment	Date	FC Factor	InPlant Factor	InPlant Type	CE&P Factor	Loading Factor	Loading Type	Field Code	Capital Investment	Operating Investment
11	357C	TR303 Mode 1			10/24/95	.9700	1.0896	T	1.1202					
12	357C	- Support Loading ----->			10/24/95					.0404	circuit_bldg	10C		
13	357C	- Support Loading ----->			10/24/95					.0030	circuit_land	20C		
14	377C	TR303 Mode 1			10/24/95	1.0120	1.1236	T	1.0962					
15	377C	- Support Loading ----->			10/24/95					.0404	switch_bldg	10C		
16	377C	- Support Loading ----->			10/24/95					.0030	switch_land	20C		
17										ADJUSTED TOTAL INVESTMENT:				

Z10880

5000000

NOTES: 1. The BOOKED INVESTMENT for PRIMARY INVESTMENTS is calculated by multiplying the PRIMARY INVESTMENT by the applicable INVESTMENT LOADING FACTORS.
2. The BOOKED INVESTMENT for SUPPORT STRUCTURE LOADINGS is calculated by multiplying the applicable Loading Factor by the sum of INVESTMENTS for each primary Field Code.
3. InPlant Factor types: T = Telco, C = Material Composite, H = Material Hardwire, P = Material Plugin
4. The FC factor is the levelized inflation factor for investments.

USOC ANNUAL COST DETAILS

ACE REPORT 10

Study Number: 95-076

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Study Name: Unbundled Terminations

10/25/95

Tariff Element: TR303 Mode 1 Termination (Nonconcentrated)

per System

State	Tariff Ref	USOC	Modifier	Technology	Volume Sensitivity	Economic Type	Investment Basis
FL		DDD		Meld	VS	D	System

	Field Code	St	Capital Investment	Operating Investment	Date	Depr. Factor	C.O.M. Factor	Inc Tax Factor	Mtce. Factor	Admin Factor	AdVal Factor	GRT Factor	Depr. Expense	C.O.M. Expense	Inc Tax Expense	Mtce. Expense	Admin Expense	Adval Expense	GRT Expense
11	10C	FL				.0302	.0986	.0452	.0069	0.0000	.0113	.0152							
12	20C	FL				0.0000	.1118	.0516	0.0000	0.0000	.0113	.0152							
13	357C	FL				.1134	.0638	.0297	.0086	.0461	.0113	.0152							
14	377C	FL				.1134	.0651	.0302	.0282	.0461	.0113	.0152							

15 SUMMARY: ADJUSTED TOTAL INVESTMENT

16 ANNUAL CAPITAL COSTS: Depreciation Expense

17 Cost of Money

18 Income Tax Expense

19 ANNUAL OPERATING EXPENSES: Maintenance Expense

20 Administration Expense

21 Ad Valorem and Other Taxes

22 Gross Receipts Tax

23 TOTAL ANNUAL COSTS TOTAL MONTHLY COST:

FI8012

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NOTES: 1. Capital and Operating Investments are the BOOKED INVESTMENTS from ACE Report 10.

2. Depreciation, Cost of Money, and Income Tax Expenses = Capital Investment multiplied by the corresponding Annual Cost Factor.

3. Maintenance, Administrative, and Ad Valorem Expenses = Operating Investment multiplied by the corresponding Annual Cost Factor.

4. Gross Receipts Tax = Gross Receipts Tax Factor multiplied by the sum of Capital Costs and Operating Expenses.

USOC INVESTMENT DETAILS
Study Number: 95-076
Study Name: Unbundled Terminations
Tariff Element: TR303 Mode 2 Termination (Concentrated)
per System

State	Tariff Ref	USOC	Modifier	Technology	Vol. Sens.	Economic Type	Investment Basis
FL		EEE		Meld	VS	D	System

	PRIMARY INVESTMENT DATA					INVESTMENT LOADING FACTORS				SUPPORT STRUCTURE LOADINGS			BOOKED INVESTMENTS	
	Field Code	Description	Capital Investment	Operating Investment	Date	FC Factor	InPlant Factor	InPlant Type	CE&P Factor	Loading Factor	Loading Type	Field Code	Capital Investment	Operating Investment
11	357C	TR303 Mode 2			10/24/95	.9700	1.0896	T	1.1202					
12	357C	- Support Loading ----->			10/24/95					.0404	circuit_bldg	10C		
13	357C	- Support Loading ----->			10/24/95					.0030	circuit_land	20C		
14	377C	TR303 Mode 2			10/24/95	1.0120	1.1236	T	1.0962					
15	377C	- Support Loading ----->			10/24/95					.0404	switch_bldg	10C		
16	377C	- Support Loading ----->			10/24/95					.0030	switch_land	20C		

ADJUSTED TOTAL INVESTMENT:

1100000

NOTES: 1. The BOOKED INVESTMENT for PRIMARY INVESTMENTS is calculated by multiplying the PRIMARY INVESTMENT by the applicable INVESTMENT LOADING FACTORS.
2. The BOOKED INVESTMENT for SUPPORT STRUCTURE LOADINGS is calculated by multiplying the applicable Loading Factor by the sum of INVESTMENTS for each primary Field Code.
3. InPlant Factor types: T = Telco, C = Material Composite, H = Material Hardwire, P = Material Plugin
4. The FC factor is the levelized inflation factor for investments.

USOC ANNUAL COST DETAILS
Study Number: 95-076
Study Name: Unbundled Terminations
Tariff Element: TR303 Mode 2 Termination (Concentrated)

State	Tariff Ref	per System USOC	Modifier	Technology	Volume Sensitivity	Economic Type	Investment Basis
FL		KEE		Meld	VS	D	System

	Field Code	St	INVESTMENT DATA Capital Investment	Operating Investment	Date	ANNUAL COST FACTORS Depr. Factor	C.O.M. Factor	Inc Tax Factor	Mtce. Factor	Admin Factor	AdVal Factor	GRT Factor	ANNUAL EXPENSES Depr. Expense	C.O.M. Expense	Inc Tax Expense	Mtce. Expense	Admin Expense	Adval Expense	GRT Expense
11	10C	FL				.0302	.0986	.0452	.0069	0.0000	.0113	.0152							
12	20C	FL				0.0000	.1118	.0514	0.0000	0.0000	.0113	.0152							
13	357C	FL				.1134	.0638	.0297	.0086	.0461	.0113	.0152							
14	377C	FL				.1134	.0651	.0302	.0282	.0461	.0113	.0152							

15 SUMMARY:
16 ADJUSTED TOTAL INVESTMENT
17 ANNUAL CAPITAL COSTS: Depreciation Expense
18 Cost of Money
19 Income Tax Expense
20 ANNUAL OPERATING EXPENSES: Maintenance Expense
21 Administration Expense
Ad Valorem and Other Taxes
22 Gross Receipts Tax
23 TOTAL ANNUAL COSTS

TOTAL MONTHLY COST:

188017

0000012

NOTES: 1. Capital and Operating Investments are the BOOKED INVESTMENTS from ACE Report 10.
2. Depreciation, Cost of Money, and Income Tax Expenses = Capital Investment multiplied by the corresponding Annual Cost Factor.
3. Maintenance, Administrative, and Ad Valorem Expenses = Operating Investment multiplied by the corresponding Annual Cost Factor.
4. Gross Receipts Tax = Gross Receipts Tax Factor multiplied by the sum of Capital Costs and Operating Expenses.

Unbundled Terminations
Unbundled Exchange Port

Workpaper: Investment
Date: 10/25/95
Page: 1 of 1

File: J:\UNBTERM.WK3

LN	Description	Source	Amount
1	Unbundled Exchange Port		
2			
3	Model Office Data	Regional Model Office, SCIS/MO Version 7.2	
4			
5	5ESS		
6	MDF and Protector Investment per Line		
7	NTS Switching per Line		
8	Excess Capacity Investment		
9	Total	LN6+LN7+LN8	
10			
11			
12	DMS		
13	MDF and Protector Investment per Line		
14	NTS Switching per Line		
15	Excess Capacity Investment		
16	Total	LN13+LN14+LN15	
17			
18	Meld Percentages	NALs	
19	5ESS		69%
20	DMS		31%
21			
22	Melded Investments		
23	Capacity	LN9*LN19+LN16*LN20	
24			
25			
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Unbundled Terminations

Workpaper: Investment
Date: 10/24/95

File: J:\UNBTERM.WK3

LN	Description	Source	Amount
1	Integrated Digital Carrier Calculations		
2			
3	Model Office Data	Regional Model Office, SCIS/MO Version 7.2	
4	Mode 1		
5	5ESS		
6	MDF and Protector Investment per Line		
7	NTS Switching per Line		
8	Excess Capacity Investment		
9	Total	LN6+LN7+LN8	
10			
11			
12	DMS		
13	MDF and Protector Investment per Line		
14	NTS Switching per Line		
15	Excess Capacity Investment		
16	Total	LN13+LN14+LN15	
17			
18	Mode 1 Investments per System		
19	5ESS	LN10*96	
20	DMS	LN17*96	
21			
22	Melded	.69*LN19+.31*LN20 (Based on NALs)	
23			
24	Mode 2		
25	5ESS		
26	MDF and Protector Investment per Line		
27	NTS Switching per Line		
28	Excess Capacity Investment		
29			
30	Total	LN26+LN27+LN28	
31			
32	DMS		
33	MDF and Protector Investment per Line		N/A
34	NTS Switching per Line		N/A
35	Excess Capacity Investment		N/A
36			
37	Total		N/A
38			
39			
40	Mode 2 Investments per System		
41	5ESS	LN30*96	
42	DMS		N/A
43			
44	IDCU Termination per System – Small		
45	Investment per IDCU (Includes LTP)	NCG	
46	Capacity of IDCU (T1s)	NCG	20
47	T1s per System – Mode 1	NCG	5
48	T1s per System – Mode 2		3
49	Investment per Mode 1 System	LN45/LN46*LN47	
50	Investment per Mode 2 System	LN45/LN46*LN48	
51			
52			
53	1/2 DSX (357C)		
54	Investment (1994 Level)	Fundamental Cost Group	
55	TPI – 1994 to 1995 Level	Fundamental Cost Group	0.971
56	1995 Level Investment	LN54*LN55	
57			
58	1/2 DSX Investment per Mode 1 System	LN56*5	
59	1/2 DSX Investment per Mode 2 System	LN56*3	
60			

Unbundled Exchange Access Loop

Table of Contents

	Monthly Cost	Nonrecurring Cost First	Add'l
E.7.5.3 Voice Grade Service			
A. Local Channel - Voice Grade Unbundled Exchange Access Loop			
(a) Two-wire Exchange			
B. Interoffice Channel - Voice Unbundled Exchange Access Mileage Bands 1 and above			
(a) Fixed			
(b) Per Mile			
E.7.5.6 High Capacity Service			
A. Local Channel - per Point of Termination Digital Loop Carrier 1.544 Mbps			
B. Interoffice Channel Mileage Bands Digital Loop Carrier 1.544 Mbps			
(a) 0 miles			
Fixed			
Per Mile			
(b) 1 thru 8 miles			
Fixed			
Per Mile			
(c) 9 thru 25 miles			
Fixed			
Per Mile			
(d) Over 25 miles			
Fixed			
Per Mile			

	Monthly Cost	Nonrecurring Cost First	Nonrecurring Cost Add'l
C. Optional Features and Functions			
Channelization			
(a) Unbundled Loop Channelization System (DS1 to Voice Grade)			
Central Office Channel Interface (Unbundled Loop Channelization System)			
(a) Voice (Unbundled Exchange Access)			
(b) Voice - Other			

Unbundled Exchange Access Loop

Workpaper	2
State	Florida
Page	1 of 1
Date	October 1995

Description of Procedures

Monthly Cost Development

Monthly costs are the continuing costs associated with the capital investment necessary to provide the service. Telco inplant installation factors are applied to the material costs to develop the installed investment. Miscellaneous common equipment and power, as well as land and building loading factors are applied to the installed investment, when appropriate, to determine total incremental investment by plant account. Levelizing factors are applied to the investment to account for inflation during the three-year study period.

Account-specific annual cost factors are used to convert the levelized investments into annual costs. The annual cost factors include both capital costs and operating expenses associated with the type of investment being converted. Capital costs include depreciation, income taxes, and the cost of money. Operating expenses include maintenance, administrative expense, and ad valorem and other taxes. After the investments have been converted into annual costs, they are divided by 12 to arrive at monthly costs.

Nonrecurring Cost Development

Nonrecurring costs are one-time costs incurred as a result of provisioning, changing, installing, and disconnecting the service. The work function times, identified by subject matter experts are used to describe the flow of work within the various work centers involved. Installation and provisioning costs are developed by multiplying the worktime for each work function by the directly assigned labor rate for the work group performing the function. However, a disconnect factor associated with the projected service life is applied to the disconnect cost. The disconnect factor inflates the labor cost to the period of the future disconnect, discounts these costs to the present since the money is received up-front, and adjusts for the income tax effect due to the difference in time between the receipt of money and the disconnection expense. The disconnect cost is added to the installation cost to develop the total nonrecurring cost.

FLORIDA
UNBUNDLED EXCHANGE ACCESS LOOP
NONRECURRING COST SUMMARY

VOICE GRADE SERVICE
LOCAL CHANNEL – VOICE GRADE
UNBUNDLED EXCHANGE ACCESS LOOP
TWO-WIRE EXCHANGE

DISCOUNTED DISCONNECT FACTOR 87.00%
GROSS RECEIPTS TAX FACTOR 0.0152

LEVEL 1996 LABOR RATES APPLIED

	WORKTIMES					COST	COST	COST	COST	COST DISCNT	COST DISCNT	COST	COST	
	INSTALL FIRST	INSTALL ADDTL	REMOVE FIRST	REMOVE ADDTL	LABOR RATE	INSTALL FIRST	INSTALL ADDTL	REMOVE FIRST	REMOVE ADDTL	REMOVE FIRST	REMOVE ADDTL	TOTAL FIRST	TOTAL ADDTL	
ICSC (SVC ORD CONTROL)														10
COMPTRL CLERK(BILLING)														11
FACS(LOOP ASGNT)														12
CPC (DESIGN)														13
NTEC(CO ADMIN)														14
NTEL(CO ACTION)														15
IMC(SSIM ADMIN)														16
SSIM (TRAVEL, CONN, TEST)														17
LOCAL CHANNEL														18

Workpaper 3
Page 1 Of 1

BELLSOUTH TELECOMMUNICATIONS, INC.

RECURRING UNIT COST DEVELOPMENT -
RATE ELEMENT SPECIFIC COSTS

Florida

SERVICE: Special Access

RATE ELEMENT: Voice Grade Service Interoffice Channel - Fixed

CON 12.96%

TOTAL UNIT INVESTMENT		$
INVESTMENT RELATED UNIT CAPITAL COSTS		
Depreciation Expense		$
Cost of Money		$
Income Tax Expense		$
Total (LN27+LN28+LN29)		$
INVESTMENT RELATED UNIT OPERATING COSTS		
Maintenance Expense		$
Ad Valorem and Other Taxes		$
Administrative Expense		$
Total (LN34+LN35+LN36)		$
GROSS RECEIPTS TAX		$
TOTAL INVESTMENT RELATED UNIT COSTS (LN30+LN37+LN40)		$
NON-INVESTMENT RELATED UNIT COSTS		$
TOTAL UNIT ANNUAL COSTS (LN43+LN46)		$
TOTAL UNIT MONTHLY COSTS (LN49/12)		$

State: Florida
Service: Special Access
C ts: Directly Assigned

Date: 1/25/94

Investment Calculations

Study	Item	Investment	Probability	Total Investment
Voice Grade Service Interoffice Channel - Fixed				
Account Code - 10C				
	BUILDING	$	1.00	$
Total Investment 10C				$
Account Code - 20C				
	LAND	$	1.00	$
Total Investment 20C				$
Account Code - 357C				
	TOT CO EQUIP	$	1.00	$
Total Investment 357C				$

BELLSOUTH TELECOMMUNICATIONS, INC.

RECURRING UNIT COST DEVELOPMENT -
RATE ELEMENT SPECIFIC COSTS

Florida

SERVICE: Special Access

RATE ELEMENT: Voice Grade Service Interoffice Channel - Per Mile

COM 12.96%

TOTAL UNIT INVESTMENT		$
INVESTMENT RELATED UNIT CAPITAL COSTS		
Depreciation Expense		$
Cost of Money		$
Income Tax Expense		$
Total (LN27+LN28+LN29)		$
INVESTMENT RELATED UNIT OPERATING COSTS		
Maintenance Expense		$
Ad Valorem and Other Taxes		$
Administrative Expense		$
Total (LN34+LN35+LN36)		$
GROSS RECEIPTS TAX		$
TOTAL INVESTMENT RELATED UNIT COSTS (LN30+LN37+LN40)		$
NON-INVESTMENT RELATED UNIT COSTS		$
TOTAL UNIT ANNUAL COSTS (LN43+LN46)		$
TOTAL UNIT MONTHLY COSTS (LN49/12)		$

State: Florida
Service: Special Access
Costs: Directly Assigned

Date: 1/25/94

Investment Calculations

Study	Item	Investment	Probability	Total Investment
Voice Grade Service Interoffice Channel - Per Mile				
Account Code - 10C				
	BUILDING	$	1.00	$
Total Investment 10C				$
Account Code - 20C				
	LAND	$	1.00	$
Total Investment 20C				$
Account Code - 357C				
	TOT CO EQUIP	$	1.00	$
Total Investment 357C				$
Account Code - 811C				
	POLES	$	1.00	$
Total Investment 811C				$
Account Code - 822C				
	AERIAL FIBER CABLE	$	1.00	$
Total Investment 822C				$
Account Code - 845C				
	BURIED FIBER CABLE	$	1.00	$
Total Investment 845C				$
Account Code - 84C				
	CONDUIT	$	1.00	$
Total Investment 84C				$
Account Code - 85C				
	UG FIBER CABLE	$	1.00	$
Total Investment 85C				$

LORIDA
NBUNDLED EXCHANGE ACCESS
ONRECURRING COST SUMMARY

VOICE GRADE SERVICE
INTEROFFICE CHANNEL–VOICE
UNBUNDLED EXCHANGE ACCESS
MILEAGE BANDS 1 AND ABOVE
(a) FIXED

DISCOUNTED DISCONNECT FACTOR 87.00%
GROSS RECEIPTS TAX FACTOR 0.0157
CPC DESIGN TOTAL FIRST COST INCLUDES PICS COST
LEVEL 1995 LABOR RATES APPLIED

4

	WORKTIMES					COST	COST	COST	COST	COST DISCNT	COST DISCNT	COST	COST
	INSTALL FIRST	INSTALL ADDTL	REMOVE FIRST	REMOVE ADDTL	LABOR RATE	INSTALL FIRST	INSTALL ADDTL	REMOVE FIRST	REMOVE ADDTL	REMOVE FIRST	REMOVE ADDTL	TOTAL FIRST	TOTAL ADDTL
SC (SVC ORD CONTROL)													
US MKTG(IMPLEMENTATION)													
OMPTRL CLERK(BILLING)													
SC(FAC ASGNT)													
ACS(LOOP ASGNT)													
PC (DESIGN)													
ITEC(CO ADMIN)													
ITEL(CO ACTION)													
MC(SSIM ADMIN)													
SIM (TRAVEL, CONN, TEST)													
NTEROFFICE CHANNEL													

10
11
12
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20

Workpaper 5
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FIBBOIZ 0000024

HIGH CAPACITY SERVICE
UNBUNDLED EXCHANGE ACCESS LOOP

STATE: FLORIDA
PAGE: 1 OF 3
DATE: Oct-95

(1995-1997 Level Incremental Costs at 12.5% Cost of Money)

USOC	RATE ELEMENT	DESCRIPTION	LEVELIZED COSTS
	- LOCAL CHANNEL	Monthly Cost	
	- PER POINT OF TERMINATION	Nonrecurring - First	
	- DIGITAL LOOP CARRIER 1.544 Mbps	Nonrecurring - Addl	
	- INTEROFFICE CHANNEL	Monthly Cost	
	- MILEAGE BANDS	Nonrecurring - First	
	- DIGITAL LOOP CARRIER 1.544 Mbps	Nonrecurring - Addl	
	- 1 THRU 8 MILES, FIXED		
	- INTEROFFICE CHANNEL	Monthly Cost	
	- MILEAGE BANDS	Nonrecurring - First	
	- DIGITAL LOOP CARRIER 1.544 Mbps	Nonrecurring - Addl	
	- 1 THRU 8 MILES, PER MILE		
	- INTEROFFICE CHANNEL	Monthly Cost	
	- MILEAGE BANDS	Nonrecurring - First	
	- DIGITAL LOOP CARRIER 1.544 Mbps	Nonrecurring - Addl	
	- 9 THRU 25 MILES, FIXED		
	- INTEROFFICE CHANNEL	Monthly Cost	
	- MILEAGE BANDS	Nonrecurring - First	
	- DIGITAL LOOP CARRIER 1.544 Mbps	Nonrecurring - Addl	
	- 9 THRU 25 MILES, PER MILE		
	- INTEROFFICE CHANNEL	Monthly Cost	
	- MILEAGE BANDS	Nonrecurring - First	
	- DIGITAL LOOP CARRIER 1.544 Mbps	Nonrecurring - Addl	
	- OVER 25 MILES, FIXED		
	- INTEROFFICE CHANNEL	Monthly Cost	
	- MILEAGE BANDS	Nonrecurring - First	
	- DIGITAL LOOP CARRIER 1.544 Mbps	Nonrecurring - Addl	
	- OVER 25 MILES, PER MILE		

Florida
High Capacity Local Channel Digital Loop Carrier
Recurring Cost Summary

4 DS-1 Weighted Monthly Cost

5 Performance/Monitoring Equipment Monthly Cost

6 Total Monthly Cost

FLORIDA
FUNDAMENTAL INTRASTATE DS1 LOCAL CHANNEL
1996-1997 MONTHLY COST

[redacted]

5 TOTAL INTRASTATE WEIGHTED MONTHLY COST

[redacted]

		LOOP COUNT	PERCENTAGE	MONTHLY COST	WEIGHTED MONTHLY COST
9	SAL				
10	AC				
11	TOTALS				

[redacted]

13 ▪ TOTAL SAL WEIGHTED MONTHLY FIXED COST
14 ▪ TOTAL SAL WEIGHTED COST PER HALF ROUTE MILE
15 ▪ SAL STATE AVERAGE LOOP LENGTH (FT)
16 ▪ SAL FLAT RATE

[redacted]

		MONTHLY FIXED COST BY DESIGN	COST PER HALF ROUTE MILE	PROBABILITY OF OCCURRENCE	WEIGHTED MONTHLY FIXED COST	WEIGHTED COST PER HALF ROUTE MILE
21	DESIGN #1			0.50		
22	DESIGN #2			0.10		
23	DESIGN #3			0.06		
24	DESIGN #4			0.06		
25	DESIGN #5			0.30		
26	TOTALS					

[redacted]

28 ▪ TOTAL AC WEIGHTED MONTHLY FIXED COST
29 ▪ TOTAL AC WEIGHTED COST PER HALF ROUTE MILE
30 ▪ AC STATE AVERAGE LOOP LENGTH (FT)
31 ▪ AC FLAT RATE

[redacted]

		MONTHLY FIXED COST BY DESIGN	COST PER HALF ROUTE MILE	PROBABILITY OF OCCURRENCE	WEIGHTED MONTHLY FIXED COST	WEIGHTED COST PER HALF ROUTE MILE
36	DESIGN #1			0.10		
37	DESIGN #2			0.75		
38	DESIGN #3			0.00		
39	DESIGN #4			0.00		
40	DESIGN #5			0.15		
41	TOTALS					

FUNDAMENTAL INTRASTATE DS1 LOCAL CHANNEL - (SAL)
SUMMARY SHEET
LEVELIZED 1995-1997
FLORIDA

	FACILITY TYPE	(A) 95-97 UTIL/LEV INV	(B) 95-97 UTIL/LEV ANNUAL COST	(C) 95-97 UTIL/LEV MONTHLY COST	(D) 95-97 UTIL/LEV MONTHLY COST (AIR MILE)	(E) PROBABILITY OF OCCURRENCE	(F) 95-97 UTIL/LEV INV (A*E)	(G) WEIGHTED 95-97 UTIL/LEV ANNUAL COST (B*E)	(H) 95-97 UTIL/LEV MONTHLY COST (ROUTE MILE) (C*E)	(I) 95-97 UTIL/LEV MONTHLY COST (AIR MILE) (D*E)
DESIGN #1	COPPER-4WIRE CO-CP ELECTRONICS 1/2 MI COPPER									
DESIGN #2	FIBER DS3+ CO-CP ELECTRONICS 1/2 MI DS3 FIB AT DS1 LEVEL									
DESIGN #3	FIBER DS2+ CO-CP ELECTRONICS 1/2 MI DS2 FIB AT DS1 LEVEL									
DESIGN #4	FIBER-HUB-CP (FIBER EXT.) ELECTRONICS DS3 FIBER & HUB-CP FIBER									
DESIGN #5	FIBER-HUB-CP (COPPER EXT.) ELECTRONICS DS3 FIBER &									

COPPER

TOTAL, FIRST HALF AIR MILE — ELECTRONICS
TRANSPORT
TOTAL

TOTAL, SECOND HALF MILE — TRANSPORT =

FLAT RATE =

F18801Z

00000028

FUNDAMENTAL INTRASTATE DS1 LOCAL CHANNEL - (AC)
SUMMARY SHEET
LEVELIZED 1995-1997
FLORIDA

	FACILITY TYPE	(A) 95-97 UTIL/LEV INV	(B) 95-97 UTIL/LEV ANNUAL COST	(C) 95-94 UTIL/LEV MONTHLY COST	(D) 95-97 UTIL/LEV MONTHLY COST (AIR MILE)	(E) PROBABILITY OF OCCURRENCE	(F) 95-97 UTIL/LEV INV (A*E)	(G) WEIGHTED 95-97 UTIL/LEV ANNUAL COST (B*E)	(H) 95-97 UTIL/LEV MONTHLY COST (C*E)	(I) 95-97 UTIL/LEV MONTHLY COST (AIR MILE) (D*E)
DESIGN #1	COPPER-4WIRE CO-CP ELECTRONICS 1/2 MI COPPER									
DESIGN #2	FIBER DS3+ CO-CP ELECTRONICS 1/2 MI DS3 FIBER AT DS1 LEVEL									
DESIGN #3	FIBER DS2+ CO-CP ELECTRONICS 1/2 MI DS2 FIBER AT DS1 LEVEL									
DESIGN #4	FIBER-HUB-CP (FIBER EXT.) ELECTRONICS DS3 FIBER & HUB-CP FIBER									
DESIGN #5	FIBER-HUB-CP (COPPER EXT.) ELECTRONICS DS3 FIBER &									

FI8801Z

00000025

COPPER

TOTAL, FIRST HALF AIR MILE — ELECTRONICS
TRANSPORT
TOTAL

TOTAL, SECOND HALF MILE — TRANSPORT =

LOOP LENGTH (FT)= 3750 — FLAT RATE =

UNBUNDLED EXCHANGE ACCESS LOOP

STATE: FLORIDA
WORKPAPER: 300
PAGE: 1 OF 1
DATE: Oct-95

PERFORMANCE MONITOR/TEST EQUIPMENT per DS1

LEVEL 1995 – 1997

LINE	DESCRIPTION	ACCT CODE	SOURCE	AMOUNT
1	Material Price at 90% utilization (vintage 1995)	357C	Network	
2				
3	Material In-Plant Factor	357C	Economic Analysis	
4	Total 1995 Installed Investment		Line 1 x Line 3	
5				
6	Levelization Factor	357C	Economic Analysis	
7	1995 – 1997 Levelized Investment		Line 4 x Line 6	
8				
9	Miscellaneous Loading Factors:			
10	Common Equipment & Power Factor	357C	Economic Analysis	
11	Land Factor	20C	Economic Analysis	
12	Building Factor	10C	Economic Analysis	
13				
14	1995 – 1997 Total Levelized Investment:			
15	Equipment Investment	357C	Line 7 x Line 10	
16	Land Investment	20C	Line 15 x Line 11	
17	Building Investment	10C	Line 15 x Line 12	
18				
19				
20	Annual Cost Factors:			
21	Circuit – Digital Other	357C	Economic Analysis	
22	Land	20C	Economic Analysis	
23	Building	10C	Economic Analysis	
24				
25	1995 – 1997 Total Levelized Annual Cost:			
26	Circuit – Digital Other	357C	Line 15 x Line 21	
27	Land	20C	Line 16 x Line 22	
28	Building	10C	Line 17 x Line 23	
29	1995 – 1997 Total Levelized Annual Cost		Sum: Lines 26, 27, 28	
30				
31	1995 – 1997 Total Levelized Monthly Cost		Line 29 / 12	
32				
33				
34				
35				

INTEROFFICE TRANSPORT INVESTMENT CALCULATOR
SUMMARY

SERVICE	DS1-GENERAL OFFERING	DATE	03-Jan-95
STATE	Florida	STUDY YEAR	1995-1997
JURISDICTION	INTRASTATE	COST OF MONEY	12.50%
		STUDY TYPE	PROSPECTIVE

Range Name: SUMMARY

RATE ELEMENT	FIXED END OFFICE	PER MILE INT CO	FACILITY PER MILE	TOTAL PER MILE

9

Range Name: END_OFFICES

INTEROFFICE TRANSPORT INVESTMENT CALCULATOR
CENTRAL OFFICE INVESTMENT CALCULATIONS
FIXED COSTS
END OFFICES

SERVICE -	DS1-GENERAL OFFERING	DATE -	03-Jan-95
STATE -	Florida	STUDY YEAR -	1995-1997
JURISDICTION -	INTRASTATE	COST OF MONEY	12.50%
MILEAGE BAND -	0	STUDY TYPE -	PROSPECTIVE

	(A) 1991 MATERIAL INVESTMENT	(B) NUMBER REQUIRED	(C) 1991 MATERIAL INVESTMENT (A * B)	(D) PROB OF OCCURRENCE	(E) WEIGHTED MATERIAL INVESTMENT (C * D)	(F) 1994 TPI	(G) 1994 MATERIAL INVESTMENT (E * F)
END OFFICES		1		1.0000		0.994	
CHANNEL UNIT PLUG-IN		1		1.0000		0.994	
				TOTAL			

	DESCRIPTION	FIELD REPORTING CODE	(G) 1994 MATERIAL INVESTMENT	(H) 1994 INPLANT FACTOR	(I) 1994 INSTALLED INVESTMENT (G * H)	(J) MISC FACTORS	(K) 1994 INSTALLED INVESTMENT (Note 1)
1A.	CO EQUIPMENT	357C		1.25130			
1B.	MCE	357C					
1C.	POWER	357C					
1.	TOTAL CO EQUIPMENT	357C					
2.	LAND	20C					
3.	BUILDING	10C					

	DESCRIPTION	FIELD REPORTING CODE	(K) 1994 INSTALLED INVESTMENT	(L) LEVELIZATION FACTOR	(M) 1995-1997 LEVELIZED INVESTMENT (K * L)	(N) ANNUAL COST FACTOR	(O) 1995-1997 ANNUAL COST (M * N)	(P) 1995-1997 MONTHLY COST (O / 12)
1.	TOTAL CO EQUIPMENT	357C		0.99200				
2.	LAND	20C		1.06000				
3.	BUILDING	10C		1.05900				
			TOTAL					

Note 1: Line 1A = Line 1A Column I
Line 1B = Line 1A * Line 1B Column J
Line 1C = Line 1A * Line 1C Column J
Line 1 = Line 1A + Line 1B + Line 1C
Line 2 = Line 1 * Line 2 Column J
Line 3 = Line 1 * Line 3 Column J

FLORIDA UNBUNDLED LOOP CONCENTRATION
MONTHLY RECURRING UNIT COST DEVELOPMENT

RATE ELEMENT: TR303 System Capacity 96 Voice Grade Circuits

Description:	Account Code	Investment	ANNUAL COSTS: Depreciation	COM	Income Tax	Capital Expense	Maintenance	Ad Valorum Tax	Administration	Operating Expense	GRT	Total	MONTHLY COST
Installed investment per 96 capacity system (Mode I or Mode II)	357C	$											7
Land	20C	$											10
Buildings	10C	$											11
Total		$											12

E1880017

00000033

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FLORIDA UNBUNDLED LOOP CONCENTRATION
MONTHLY RECURRING UNIT COST DEVELOPMENT

RATE ELEMENT: TR303 Working Plug-in for 96 capacity system - Serves 2 POTS lines

Description:	Account Code	Investment	ANNUAL COSTS: Depreciation	COM	Income Tax	Capital Expense	Maintenance	Ad Valorum Tax	Administration	Operating Expense	GRT	Total	MONTHLY COST
Installed investment	357C	$											7
Land	20C	$											8
Buildings	10C	$											9
Total		$											10
											Total per Circuit		11

FI880172

000033

FLTR303 XLSPOTS Plugins

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FLORIDA UNBUNDLED LOOP CONCENTRATION
MONTHLY RECURRING UNIT COST DEVELOPMENT

RATE ELEMENT: TR303 Working Plug-in for 96 capacity system - Serves 2 SPOTS lines

Description:	Account Code	Investment	ANNUAL COSTS Depreciation	COM	Income Tax	Capital Expense	Maintenance	Ad Valorum Tax	Administration	Operating Expense	GRT	Total	MONTHLY COST
Installed investment	357C	$											7
Land	20C	$											8
Buildings	10C	$											9
Total		$											10
											Total per Circuit		11

FI880127

00000035

NONRECURRING COST SUMMARY — DIRECTLY ASSIGNED INTRASTATE UNBUNDLED LOOP CONCENTRATOR SERVICE

STATE: FLORIDA — CENTRAL OFFICE CHANNEL INTERFACE – VOICE – OTHER, PER CIRCUIT

(A) TOTAL COSTS INCLUDE A GROSS RECEIPTS TAX FACTOR OF: 0.015200

(B) DISCOUNT RATE FOR DISCONNECT: 85.40%

FUNCTION	(C) INSTALL TOTAL WEIGHTED WORK TIME (MINUTES) FIRST	ADDITIONAL	(D) DISCONNECT TOTAL WEIGHTED WORK TIME (MINUTES) FIRST	ADDITIONAL	(E) LABOR RATE ($ PER MIN.)	(F) = (C) * (E) "INSTALL COST" (DOLLARS) FIRST	ADDITIONAL	(G) = (D) * (E) "DISCONNECT COST" (DOLLARS) FIRST	ADDITIONAL	(H) = (G) * (B) "DISCOUNTED" "DISCONNECT COST" (DOLLARS) FIRST	ADDITIONAL	(I) = ((F) + (H)) * (1 + (A)) "TOTAL COST" (DOLLARS) FIRST	ADDITIONAL
I. SERVICE ORDER:													
A. Marketing Implementation –													
1. Network (Premises) Marketing													
B. Service Inquiry Processing –													
1. BSC Customer Representative													
2. ISC Area TEAM MEMBER													
3. ISC Clerical Support													
4. Transmission Engineering													
5. Distribution Svc's. Spt. Ctr. (OSPE)													
6. NTWK. Planning and ENG. (FG20) (ENG)													
Total Service Inquiry Proc.													
C. Service Order Processing –													
1. BSC Customer Representative													
2. Circuit Provisioning Ctr (CPC)													
3. NTWK. Planning and ENG. (FG20) (PICS)													
4. Central Office:													
Netwrk. Trmnl. Equip. Ctr. (NTEC)													
Netwrk. Trmnl. Equip. Loc. (NTEL)													
Special Services Center (SSC)													
Fac. Mtce. Admin. Ctr. (FMAC)													
Total Central Office													
5. Ntwrk Instl Cntrl Ctr. (NICS)													
6. NTWK. Planning and ENG. (FG20) (PICS)													
7. Spcl. Svcs. Instl. /Mnt. (SSIM)													
Total Service Order Proc.													
D. Initiate Billing –													
1. Comptrollers Clerical													
TOTAL SERVICE ORDER:													
II. ENGINEERING:													
1. Circuit Provisioning Ctr (CPC)													
2. NTWK. Planning and ENG. (FG20) (PICS)													
3. Transmission Eng.													
4. Fac. Mtce. Admin. Ctr. (FMAC)													
5. Distribution Svc's Spt. Ctr. (OSPE)													
TOTAL ENGINEERING:													
III. CONNECT AND TEST:													
A. Central Office –													
1. Fac. Mtce. Admin. Ctr. (FMAC)													
2. Special Services Center (SSC)													
3. Netwrk Trmnl Equip. Ctr. (NTEL)													
Total Central Office													
B. Customer Premises –													
1. Spcl. Svcs. Instl. /Mnt. (SSIM)													
TOTAL CONNECT AND TEST:													
IV. TRAVEL:													
1. Spcl. Svcs. Instl. /Mnt. (SSIM)													
TOTAL NONRECURRING													

NONRECURRING COST SUMMARY DIRECTLY ASSIGNED INTRASTATE UNBUNDLED LOOP CONCENTRATOR SERVICE

STATE: FLORIDA CENTRAL OFFICE CHANNEL INTERFACE – VOICE (UNBUNBLED EXCHANGE ACCESS), PER CIRCUIT

(A)TOTAL COSTS INCLUDE A GROSS RECEIPTS TAX FACTOR OF: 0.015200

(B)DISCOUNT RATE FOR DISCONNECT: 85.40%

FUNCTION	(C) INSTALL TOTAL WEIGHTED WORK TIME (MINUTES)		(D) DISCONNECT TOTAL WEIGHTED WORK TIME (MINUTES)		(E) LABOR RATE ($ PER MIN.)	(F) = (C) * (E) *INSTALL COST* (DOLLARS)		(G) = (D) * (E) *DISCONNECT COST* (DOLLARS)		(H) = (G) * (B) *DISCOUNTED* *DISCONNECT COST* (DOLLARS)		(I) = ((F)+(H))*(1+(A)) *TOTAL COST* (DOLLARS)	
	FIRST	ADDITIONAL	FIRST	ADDITIONAL		FIRST	ADDITIONAL	FIRST	ADDITIONAL	FIRST	ADDITIONAL	FIRST	ADDITIONAL
I. SERVICE ORDER:													
A. Marketing Implementation –													
1.Network (Premises) Marketing					0.9500								
B. Service Inquiry Processing –													
1.BSC Customer Representative					0.5674								
2.ISC Area TEAM MEMBER					0.6296								
3.ISC Clerical Support					0.5189								
4.Transmission Engineering					0.9738								
5.Distribution Svc's. Spl. Ctr.(OSPE)					0.8070								
6. NTWK. Planning and ENG. (FG20)(ENG)					0.9738								
Total Service Inquiry Proc.													
C. Service Order Processing –													
1.BSC *Customer Representative*					0.5674								
2.Circuit Provisioning Ctr(CPC)					0.6109								
3. NTWK. Planning and ENG. (FG20)(PICS)					0.9738								
4.Central Office:													
Netwrk.Trmnl.Equip.Ctr.(NTEC)					0.6400								
Netwrk.Trmnl.Equip.Loc.(NTEL)					0.6940								
Special Services Center (SSC)					0.6464								
Fac.Mtce.Admin.Ctr.(FMAC)					0.6400								
Total Central Office													
5.Ntwrk Instl Cntrl Ctr.(NICS)					0.5986								
6. NTWK. Planning and ENG. (FG20)(PICS)					0.9738								
7.Spcl.Svcs.Instl./Mnt.(SSIM)					0.7359								
Total Service Order Proc.													
D. Initiate Billing –													
1.Comptrollers Clerical					0.5994								
TOTAL SERVICE ORDER:													
II. ENGINEERING:													
1.Circuit Provisioning Ctr(CPC)					0.6109								
2. NTWK. Planning and ENG. (FG20)(PICS)					0.9738								
3.Transmission Eng.					0.9738								
4.Fac.Mtce.Admin.Ctr.(FMAC)					0.6400								
5.Distribution Svc's Spl. Ctr.(OSPE)					0.8070								
TOTAL ENGINEERING:													
III. CONNECT AND TEST:													
A. Central Office –													
1.Fac.Mtce.Admn.Ctr.(FMAC)					0.6400								
2.Special Services Center (SSC)					0.6464								
3.Netwrk.Trmnl.Equip.Ctr.(NTEL)					0.6940								
Total Central Office													
B. Customer Premises –													
1.Spcl.Svcs.Instl./Mnt.(SSIM)					0.7359								
TOTAL CONNECT AND TEST:													
IV. TRAVEL:													
1.Spcl.Svcs.Instl./Mnt.(SSIM)					0.7359								
TOTAL NONRECURRING													

NONRECURRING COST SUMMARY DIRECTLY ASSIGNED INTRASTATE UNBUNDLED LOOP CONCENTRATOR SERVICE
STATE: FLORIDA CHANNELIZATION ~ UNBUNDLED LOOP CHANNELIZATION SYSTEM, PER SYSTEM
(A) TOTAL COSTS INCLUDE A GROSS RECEIPTS TAX FACTOR OF: 0.015200
(B) DISCOUNT RATE FOR DISCONNECT: 85.40%

FUNCTION	(C) INSTALL TOTAL WEIGHTED WORK TIME (MINUTES)	(D) DISCONNECT TOTAL WEIGHTED WORK TIME (MINUTES)	(E) LABOR RATE ($ PER MIN.)	(F) = (C) * (E) "INSTALL COST" (DOLLARS)	(G) = (D) * (E) "DISCONNECT COST" (DOLLARS)	(H) = (G) * (B) "DISCOUNTED" "DISCONNECT COST" (DOLLARS)	(I) = ((F)+(H))*(1+(A)) "TOTAL COST" (DOLLARS)
I. SERVICE ORDER:							
A. Marketing Implementation --							
1. Network (Premises) Marketing			0.9500				
B. Service Inquiry Processing --							
1. BSC Customer Representative			0.5674				
2. ISC Area TEAM MEMBER			0.6296				
3. ISC Clerical Support			0.5180				
4. Transmission Engineering			0.9738				
5. Distribution Svc's. Spt. Ctr. (OSPE)			0.8070				
6. NTWK. Planning and ENG. (FG20) (ENG)			0.9738				
Total Service Inquiry Proc.							
C. Service Order Processing --							
1. BSC Customer Representative			0.5674				
2. Circuit Provisioning Ctr (CPC)			0.6109				
3. Loop Assignment Center (LAC)			0.5553				
4. Central Office:							
Netwrk. Trmnl. Equip. Ctr. (NTEC)			0.6400				
Netwrk. Trmnl. Equip. Loc. (NTEL)			0.6940				
Special Services Center (SSC)			0.6464				
Fac. Mtce. Admin. Ctr. (FMAC)			0.6400				
Total Central Office							
5. Ntwrk Instl Cntrl Ctr. (NICS)			0.5066				
6. NTWK. Planning and ENG. (FG30) (PICS)			0.9736				
7. Spcl. Svcs. Instl. /Mnt. (SSIM)			0.7359				
Total Service Order Proc.							
D. Initiate Billing --							
1. Comptrollers Clerical			0.5094				
TOTAL SERVICE ORDER:							
II. ENGINEERING:							
1. Circuit Provisioning Ctr (CPC)			0.6109				
2. NTWK. Planning and ENG. (FG30) (PICS)			0.9736				
3. Transmission Eng.			0.9738				
4. Fac. Mtce. Admin. Ctr. (FMAC)			0.6400				
5. Distribution Svc's Spt. Ctr. (OSPE)			0.8070				
TOTAL ENGINEERING:							
III. CONNECT AND TEST:							
A. Central Office --							
1. Fac. Mtce. Admin. Ctr. (FMAC)			0.6400				
2. Special Services Center (SSC)			0.6464				
3. Netwrk Trmnl Equip. Ctr. (NTEL)			0.6940				
Total Central Office							
B. Customer Premises --							
1. Spcl. Svcs. Instl. /Mnt. (SSIM)			0.7359				
TOTAL CONNECT AND TEST:							
IV. TRAVEL:							
1 Spcl Svcs Instl. /Mnt (SSIM)			0.7359				
TOTAL NONRECURRING							

FLORIDA

UNBUNDLED LOOP COST

Based on 1994 LIAL Studies

UNBUNDLED LOOP COST STUDY

1994-1996 LEVELIZED

CONTENTS

UNBUNDLED LOOP COST STUDY

1994-1996 LEVELIZED

EXECUTIVE SUMMARY

The Unbundled Loop Cost Study is based on the Loop Is A Loop (LIAL) Study, which is a study of the state average local loop. The unbundled loop cost as developed using the same nonintegrated investments as the 1994-1996 LIAL Study.

The incremental loop costs are developed for 1000 foot sections of plant up to 12,000 feet from the central office. The last band studied is the average loop length of all loops with a length greater than 12,000 feet.

A summary of the study results can be found in Section 3 of this documentation.

UNBUNDLED LOOP COST STUDY

1994-1996 LEVELIZED

INTRODUCTION AND OVERVIEW

The objective of this study is to provide monthly recurring economic costs of a state specific average loop.

The study methodology uses the Loopcost Model to provide long run incremental costs of the local loop for a state specific average loop.

UNBUNDLED LOOP COST STUDY

1994-1996 LEVELIZED

SUMMARY OF RESULTS BY RATE ELEMENT

This section provides a summary of the state average monthly recurring local loop costs. These costs are provided for nonintegrated technology only.

State: Florida
Service: Unbundled Loop

10/11/95
Page 1

Flat Rate
Cost Summary

Total Investment	Total Annual Cost	Total Monthly Cost

7

7

UNBUNDLED LOOP COST STUDY

1994-1996 LEVELIZED

DESCRIPTION OF PROCEDURES

A. Study Architecture

The Unbundled Loop cost study is prospective and incremental. The purpose of using the incremental approach is to determine the monthly costs associated with providing additional services.

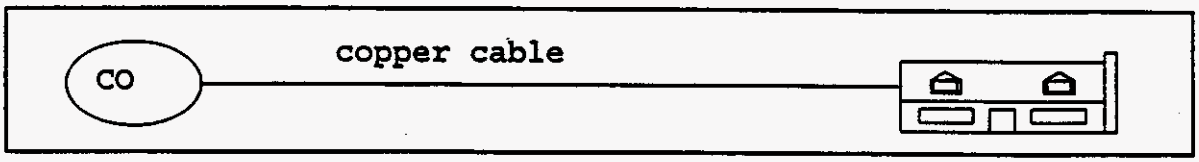
The study is basically a three part process. First, develop the monthly cost for each possible technology for nonintegrated transmissions. Second, select the most economically efficient cost..

The possible technologies looked at in this study are:

- Copper cable
- Digital loop carrier on copper
- Digital loop carrier on fiber optics

The costs for each technology type were developed using the following procedures.

COPPER CABLE



STEP 1 - DETERMINE ROUTE DISTANCES TO BE STUDIED

In this study 1000 foot bands are used up to 12,000 feet from the central office. The last band is the average of all loops in the state greater than 12,000 feet.

This average loop length is calculated from data obtained from the 1988 Loop Survey. The Loop Survey is a statistical sample of loops in the state. The sample consists of from 300 to 500 detailed complement diagrams prepared by Outside Plant Engineers. The gathering of the data and analysis required approximately two years to complete and required extensive coordination with network personnel.

STEP 2 - DEVELOP UNIT INVESTMENTS FOR COPPER CABLE

State wide average unit investments are calculated for each type of cable (aerial, buried and underground). Only 26 gauge cable was studied since it meets all resistance design criteria for non-designed services out to 15,500 feet. These cable investments represent fully engineered and installed unit investments. These investments are calculated using Vintage Retirement Unit Cost (VRUC) data.

STEP 3 - DEVELOP AND APPLY DISTRIBUTION TO CODE PERCENTAGES

The distribution to code refers to the breakdown by percentage, of aerial, buried and underground cable. The distribution is calculated from VRUC data.

STEP 4 - ASSOCIATE CABLE INVESTMENT WITH ROUTE FOOTAGE AND DISTRIBUTION TO CODE

For each type of cable plant (aerial, buried, and underground) the route footage, for that band, is multiplied by the distribution to code percentage to determine the amount of each type of cable required. The length of each type of cable is then multiplied by the unit investment to arrive at the cable investment.

ILLUSTRATIVE EXAMPLE:

Route footage = 2500 feet

Investments: $.04 per pair foot for aerial cable
$.03 per pair foot for buried cable
$.02 per pair foot for underground cable

Distribution to code:
60% Underground
30% Aerial
10% Buried

CALCULATIONS

Loop Length In Feet	Type of Cable Plant	Distr. To Code	Loop Length by Cable Ft.	Unit Investment	Cable Investment
2500	Aerial	.30	750	$ .04	$30.00
	Buried	.10	250	$ .03	$ 7.50
	Underground	.60	1500	$ .02	$30.00

STEP 5 - DETERMINE SUPPORTING STRUCTURE INVESTMENTS

Supporting structures are pole lines for aerial cable and conduit structures for underground cable. The investments for these structures are developed by using pole and conduit factors. These factors are developed by dividing total structure expenditures by total expenditures for the associated cable code.

ILLUSTRATIVE EXAMPLE

Total Pole Line Expenditures = $1,500,000
Total Aerial Cable Expenditures = $6,000,000
Pole Line Factor = $1,500,000 / $6,000,000 = $.25

To develop the supporting structure investment, the structure factor is multiplied by the associated cable investment.

ILLUSTRATIVE EXAMPLE

Pole Line Investment = $.25 X $30.00 = $7.50

STEP 6 - DEVELOP THE CENTRAL OFFICE CONNECTION INVESTMENT

This is the investment required for the central office protector associated with the loop. The material cost for the item is obtained from the Approved Product Catalog. These price is then multiplied by an in-plant factor to arrive at an installed cost. The installed cost is divided by the channel capacity of the equipment to develop the installed cost per channel. This cost is developed for copper facilities, digital loop carrier on copper facilities and digital loop carrier on fiber optic cable.

STEP 7 - DEVELOP THE BUILDING CABLE INVESTMENT

This investment accounts for building entrance cable and building terminals. It is developed from company records and includes engineering and installation. In the model this investment is weighted by the probability that building entrance cable occurs.

STEP 8 - DEVELOP LAND, BUILDING AND MISCELLANEOUS COMMON EQUIPMENT AND POWER INVESTMENTS

Investments for these items are included in this study because all components of production are considered variable in a long-run incremental study. These investments are developed by multiplying factors for these investments by the central office connection investment. When these investments are calculated on a per circuit basis they are very small.

STEP 9 - APPLY UTILIZATION FACTORS

The investments are now divided by a utilization factor to account for spare capacity in the network. These utilization factors are obtained from the Network Organization. They represent the optimal utilization for each type of plant.

STEP 10 - CONVERT INVESTMENTS TO ANNUAL COSTS

Annual cost factors are multiplied by the utilized investment to convert it to an annual cost. The annual costs are divided by 12 to arrive at a monthly cost.

The annual cost factors are comprised of several components. These components are as follows:

- Capital Related Costs
  - Depreciation
  - Cost of Money
  - Income Tax
- Expenses
  - Maintenance
  - Administration
  - Ad Valorem Taxes
- Gross Receipts Tax

STEP 11 - TREND RESULTS TO STUDY YEAR LEVEL

Investments are based on the most current information available. In order to account for changes in costs for differing time periods, trending factors are applied. These factors account for inflation and changes in technology from year to year.

DIGITAL LOOP CARRIER

For loops greater than 12,000 feet the standard engineering design is based on the use of digital loop carrier technology. The use of digital loop carrier technology allows one pair of copper wire or two strands of optical fiber to transmit more than one voice grade level circuit at a time.

In Unbundled Loop studies, two basic types of pair gain technology are reviewed:

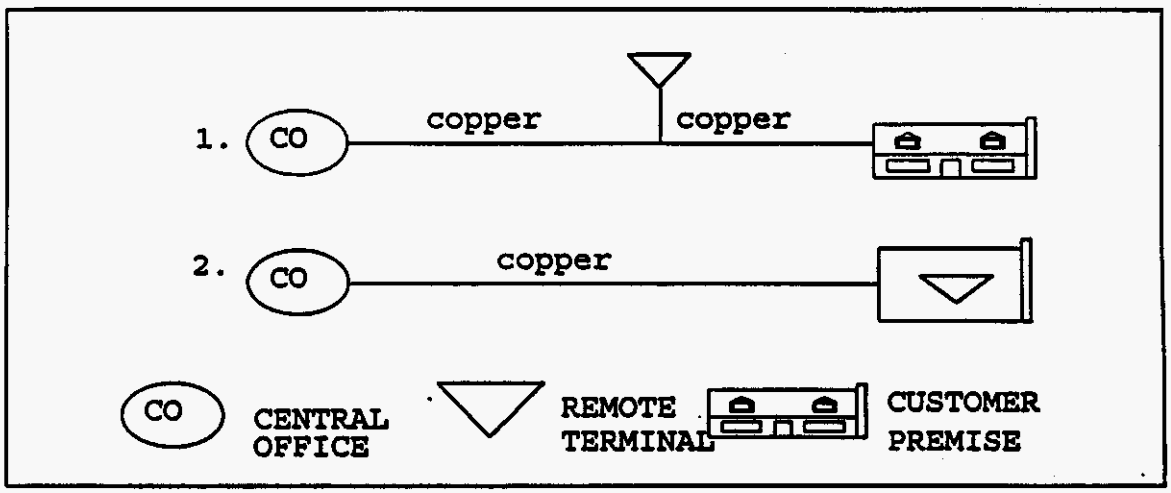
A) Digital loop carrier equipment using copper transmission facilities to extend from the Central Office.

B) Digital loop carrier equipment using fiber optic transmission facilities to extend from the Central Office.

The cost study determines the cost of each of these technologies for each mileage band and chooses the most economical cost.

DIGITAL LOOP CARRIER ON COPPER

There are two basic designs for digital loop carrier on copper technology. These are illustrated in the following figure. The cost for each of these designs is separately calculated and the two costs are weighted by their probabilities of occurrence to arrive at a weighted unit cost for digital loop carrier on copper technology. The following steps calculate the investment associated with digital loop carrier on copper.



STEP 1 -DEVELOP UNIT INVESTMENTS FOR COPPER CABLE

CENTRAL OFFICE TO REMOTE TERMINAL

Unit investments for copper cable feeding a remote terminal are different than those for straight copper cable because in the loop carrier environment more than one voice grade signal is transported over a pair of copper wires. This is accounted for by the pair gain factor. The pair gain factor is developed for each type of digital loop carrier equipment. The number of copper pairs required to run a system is divided by the total number of derived pairs obtained from each system. This provides a pair ratio for each system used in a state. This pair ratio is multiplied by the probability of that system's occurrence in the state to arrive at a weighted pair gain ratio. The weighted pair gain ratios for the state combined provide the pair gain factor.

ILLUSTRATIVE EXAMPLE:

Equipment	Copper Pairs	Derived Pairs	Pair Ratio	% Use	Weighted PG Ratio
SLC-96 I	10	96	.10	.10	0.0100
SLC-96 II	6	96	.06	.10	0.0060
SLC-96 III	6	48	.13	.05	0.0065
Series 5	20	192	.10	.25	0.0250
Fujitsu	20	192	.10	.25	0.0250
DMS1 Urban	16	544	.03	.25	0.0075
			Pair Gain Factor		0.0800

Digital loop carrier is deployed at longer distances than straight copper cable. This leads to a requirement for larger gauges of cable and repeaters. A repeater investment is developed for one repeater. This investment is then divided by the repeater spacing for each gauge of cable to arrive at a per foot repeater investment. For each gauge of cable the pair foot investment is added to the per foot repeater investment. This sum is then multiplied by the pair gain factor to develop the cable investment per channel. This procedure is performed in Worksheet B.

REMOTE TERMINAL TO CUSTOMER PREMISES

The copper cable investments and distribution to code for the copper cable between the remote terminal and the customer premises are melds of the three gauges available. The distribution to code and pair foot investment are multiplied by each gauge's probability of occurrence (provided by Network). The resulting weighted distribution to code and pair foot investments are added together for each code to derive the melded distribution to code and pair foot investment.

ILLUSTRATIVE EXAMPLE

Description	Distrib. To Code	Pair Foot Investment	Prob. of Occurrence	Weighted Dist/Code	Wgt'd Invst.
PBA26	.25	$ .04	.85	.2125	$.0340
PBA24	.27	$ .05	.12	.0324	$.0060
PBA22	.34	$ .06	.03	.0102	$.0180
Melded Distribution to Code - Aerial Cable				.2551	
Melded Pair Foot Investment - Aerial Cable					$.0580

The same procedure develops the melded distribution to code and pair foot investment for buried and underground cable. Since

underground cable is not used from a remote terminal to the customer premises, the distribution to code is renormalized to account for using only aerial and buried cable. This is accomplished by dividing the aerial cable distribution to code by the sum of the aerial and buried distribution to codes. The step is repeated for the buried distribution to code.

STEP 2 - DEVELOP THE INVESTMENT AND COSTS FOR 1,000 FEET OF COPPER FACILITIES

This step uses the per channel cable investments developed in Step 1, Central Office to remote terminal. Investments, annual costs and monthly costs are generated using the same methodology described for copper cable for 1,000 feet of copper facilities. These calculations include only cable and supporting structures. Other equipment is not contained in this calculation. These calculations are then used in Worksheet D to develop investments and costs for each mileage band.

STEP 3 - CALCULATE THE 1,000 FOOT RATIO

This ratio is the number of 1,000 foot investments calculated in Step 2, needed for a particular mileage band. It equals the distance in kilofeet of the mileage band minus the minimum distance of digital loop carrier deployment. This minimum distance is the average distance from the remote terminal to the customer.

STEP 4- CALCULATE THE MINIMUM BAND DISTANCES

The minimum band distance is the first distance band that is greater than the distance from the remote terminal to the customer. This is because we would not place digital loop carrier facilities so close to the central office that the distance from the remote terminal to the customer exceeds the distance from the central office to the customer.

STEP 5- DEVELOP UNIT INVESTMENTS FOR DIGITAL LOOP CARRIER EQUIPMENT

These investments are developed in a separate model for use in the Loopcost model. They are calculated as follows.

TECHNOLOGIES STUDIED

Four loop carrier systems were studied, including three different Modes for SLC-96. This results in a total of six technologies accounted for in this study. The technologies studied were:

EQUIPMENT NAME	VENDOR
SLC-96 Mode I	AT&T
SLC-96 Mode II	AT&T
SLC-96 Mode III	AT&T
SLC Series 5	AT&T
Fujitsu FDLC	Fijitsu
DMS-1 Urban	Northern Telecom

INVESTMENT DEVELOPMENT

The installed first cost for each piece of equipment was obtained from Network for each of these technologies for the first system at a site and for incremental systems at each site. Investments are then developed for each technology accounting for the average number of systems at a site. These investments are then divided by the number of systems per site to obtain an average system investment. The system investments are then divided by the number of channels available to obtain an investment per voice grade equivalent.

Next is the development of the non-integrated pair gain investments. The voice grade investment for each equipment type is multiplied by the probability of voice grade weighting to arrive at the weighted investment. The weighted investments are then totaled to develop the total non-integrated pair gain investments.

A probability of voice grade weighting is derived by multiplying the number of voice grade equivalents by the percent of time that bit rate will be used. This develops the weighted voice grade equivalents. That column is then totaled and the entry for each bit rate is divided by the column total to arrive at the probability of voice grade weighting.

The weighted 4C (Conduit) investment is developed the same way the 257C (Digital Loop Carrier) investment is developed, using the voice grade equivalent 4C investment.
The office repeater bay investment is developed next. The utilized investment is calculated by dividing the office repeater bay investment by the utilization rate. This investment, at the voice grade level, is the utilized investment divided by the number of voice grade equivalents. The probability of voice grade weighting is developed in the same way as described above. The weighted office repeater bay investment is then arrived at by multiplying the office repeater bay voice grade equivalent investment by the probability of voice grade weighting. The total of the weighted investment column is the ORB investment.

The pair gain investments derived by this method are:

UNVPGINV	The average investment for pair gain equipment (non-integrated)
INTPGINV	The average investment for pair gain equipment (integrated)
ORBINV	The investment for an Office Repeater Bay
CONPGNVST	The conduit (4C) investment associated with pair gain equipment

STEP 6 - DEVELOP INVESTMENTS AND COSTS OF THE MINIMUM BAND FOR EACH CARRIER DESIGN

Utilizing the procedures described for copper calculations and the investments calculated for carrier on copper; investments, annual costs and monthly costs of the minimum band are developed for the components of the digital loop carrier on copper designs. These components are as follows:

Central Office to Remote Terminal not located at the customer's premises.

This component involves all equipment, cable and supporting structures required to provide service. This is calculated using the same methodology as described for copper cable.

Central Office to Remote Terminal located at the customer's premises.

This component involves all equipment, cable and supporting structures required to provide service. This is calculated using the same methodology as described for copper cable.

Remote Terminal to customer's premises.

This component involves only cable and supporting structures. This is calculated using the same methodology as described for copper cable.

Building Cable and Terminal

This component is developed from vintage retirement unit costs for 12C cable and terminals on a per circuit basis. This investment component is then calculated using the same methodology as described for copper cable.

STEP 7 - CALCULATE INVESTMENT AND COSTS FOR THE FIRST COMPONENT FROM THE CENTRAL OFFICE FOR EACH DESIGN

The 1,000 foot ratio, calculated in Step 3, is multiplied by the investment and costs for 1,000 of cable to arrive at the investments and costs for the first component from the central

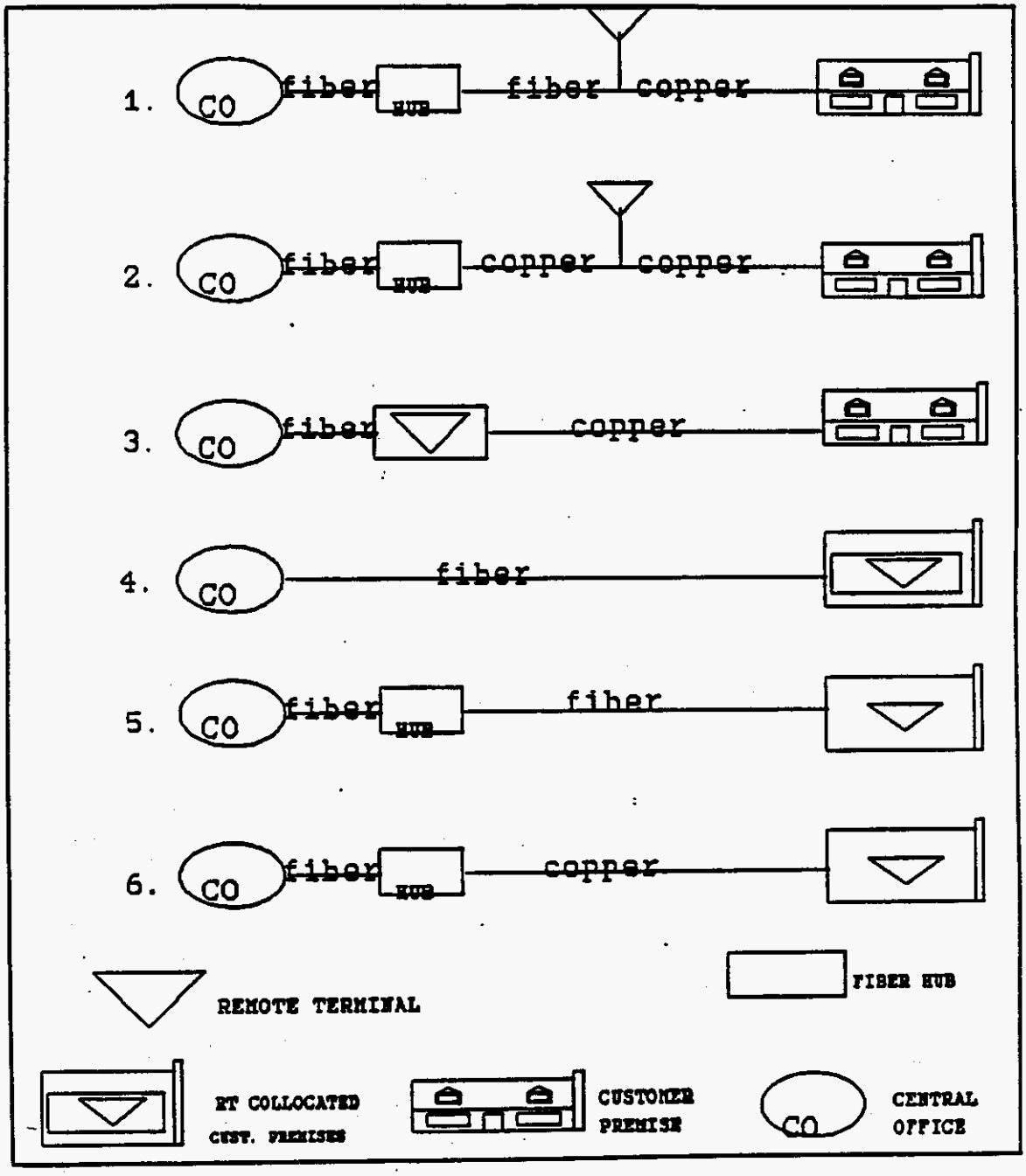
office in each mileage band. These calculations are performed in Worksheet D.

STEP 8 - CALCULATE THE WEIGHTED DIGITAL LOOP CARRIER ON COPPER INVESTMENT AND COSTS FOR EACH MILEAGE BAND

The investment, annual cost and monthly cost for each component of each digital loop carrier design are multiplied by that design's probability of occurrence to develop the weighted investment, annual cost and monthly cost for each component of each design. The weighted monthly costs are then added together to form the total digital loop carrier on copper cost for each mileage band.

DIGITAL LOOP CARRIER ON FIBER

There are six basic designs for digital loop carrier on fiber technology. These are illustrated in the following figure. The cost for each of these designs is calculated separately and then weighted by their probabilities of occurrence to arrive at a weighted unit cost for digital loop carrier on fiber technology. The following steps calculate the investment associated with digital loop carrier on fiber.



STEP 1 - DEVELOP UNIT INVESTMENTS FOR FIBER OPTIC CABLE

The per foot investment in fiber and the distribution to code for fiber facilities are developed in special studies, separate from the Loopcost Model, using company reports. The per foot investment for fiber is on a voice grade equivalent basis. It has been weighted to account for the number of channels that can be provided over fiber facilities. Utilization has also been applied in the original study.

STEP 2 - DEVELOP UNIT INVESTMENTS FOR COPPER CABLE

When digital loop carrier on fiber facilities are used copper cable is the transport medium from the fiber hub to the remote terminal in fiber designs 2 and 6. The copper cable investments and distribution to code for a copper extension from a fiber hub to a remote terminal are melded the same way as the copper cable from the central office to the remote terminal in the digital loop carrier on copper design. The difference is that repeater investments from Worksheet B are included in these pair foot investments. The distribution to code from the hub to the remote terminal is not renormalized. These calculations are performed in Worksheet A.

STEP 3 - DEVELOP MULTIPLEXER INVESTMENTS

These investments represent the equipment used with fiber optic cables. They include multiplexers, lightwave terminals, fiber terminals, DSX-1 panels and DSX-3 panels. The installed cost for each piece of equipment was obtained from the network organization.

Multiple vendors are considered in arriving at these investments. The In-Plant investment for each component of the equipment is multiplied by the weighting factor for that vendor's equipment. The weighting factor represents the percent of the time that piece of equipment will be used to provide a particular bit rate. The weighted investments for each piece of equipment are then added together to develop the multiplexer and lightwave investments. A multiplexer and lightwave investment is developed for the central office and the field site for each bit rate. An investment is also developed for the equipment when the signal is not converted from the DS3 rate.

The equipment investments are converted to a total investment for each bit rate. The equipment investments are multiplied by the number of times that piece of equipment is required (for example:

DSX-1 panels are required). The
plied. DS1 utilization (DS0 * DS1) is
DS3 utilization (DS0 * DS1 * DS3) is
xer, Lightwave Terminal, DSX-3 panel
e utilized investment for each piece
ive at a total investment for each
ice and the remote terminal site.

lated previously are totaled. The
t rate is then divided by the voice
t rate. This provides the Investment
This investment is then multiplied
probability to arrive at a weighted
e weighted investment for each bit
to develop one weighted investment
nt.

de weighting, is derived by
ice grade equivalents by the percent
used. This develops the Weighted
s investment is then totaled and the
vided by the column total to arrive
rade weighting.

loped by using the in-plant
lternatives (cabinet, hut, controlled
stomer's premises) and multiplying by
de equivalent to arrive at an
quivalent. The investment per voice
tiplied by the probability of that
at the weighted voice grade
abinet investment is the digital
nvestment, the CEV investment (4C)
vestment is classified as 10C and is
g factors. For this reason, it is
xer investments.

this program are:

n-hubbed design, this includes the
nts at the central office and the
ite.

bbed design, this includes the
nt at the central office and the hub.

bbed design, this provides the
nt at the remote terminal.

CONPGNVST Investment to account for any CEV type housing.

STEP 4 - DEVELOP THE INVESTMENT AND COSTS FOR 1,000 FEET OF FIBER OPTIC FACILITIES.

This step is performed using the same methodology as digital loop carrier on copper facilities.

STEP 5 - CALCULATE THE 1,000 FOOT RATIO

This step is performed using the same methodology as digital loop carrier on copper facilities.

STEP 6 - CALCULATE THE MINIMUM BAND DISTANCES

This step is performed using the same methodology as digital loop carrier on copper facilities.

STEP 7 - DEVELOP INVESTMENTS AND COSTS OF THE MINIMUM BAND FOR EACH CARRIER DESIGN

Utilizing the procedures described for copper calculations and the investments calculated for carrier on fiber; investments, annual costs and monthly costs of the minimum band are developed for the components of the digital loop carrier on fiber designs. These components are as follows:

Central Office to Fiber Hub not located at the Remote Terminal with a fiber extension to the Remote Terminal.
This component involves all multiplexer equipment, cable and supporting structures required to provide service. Additional multiplexing equipment is required at the remote terminal for this design. This is calculated using the same methodology as described for copper cable.

Central Office to Fiber Hub not located at the Remote Terminal with a copper extension to the Remote Terminal.
This component involves all multiplexer equipment, cable and supporting structures required to provide service. No additional multiplexing equipment is required at the remote terminal for this design. This is calculated using the same methodology as described for copper cable.

Central Office to Fiber Hub located at the Remote Terminal.
This component involves all multiplexer and digital loop carrier equipment, cable and supporting structures required

to provide service. This is calculated using the same methodology as described for copper cable.

Central Office to Fiber Hub and Remote Terminal located at the customer's premises.

This component involves all multiplexer and digital loop carrier equipment, cable and supporting structures required to provide service. This is calculated using the same methodology as described for copper cable.

Fiber Hub to Remote Terminal, not located at the customer's premises, served by fiber cable.

This component involves the additional multiplexer, and all digital loop carrier equipment, fiber cable and supporting structures required to provide service. This is calculated using the same methodology as described for copper cable.

Fiber Hub to Remote Terminal, not located at the customer's premises, served by copper cable.

This component involves all digital loop carrier equipment, copper cable and supporting structures required to provide service. This is calculated using the same methodology as described for copper cable.

Remote Terminal to customer's premises.

This component involves only cable and supporting structures. This is calculated using the same methodology as described for copper cable.

Building Cable and Terminal

This component is developed from vintage retirement unit costs for building cable and terminals on a per circuit basis. This investment component is then calculated using the same methodology as described for copper cable.

STEP 8 - CALCULATE THE INVESTMENT AND COSTS FOR THE FIRST COMPONENT FROM THE CENTRAL OFFICE FOR EACH DESIGN

The 1,000 foot ratio, calculated in Step 5, is multiplied by the investment and costs for 1,000 feet of fiber cable to arrive at the investments and costs for the first component from the central office in each mileage band. These calculations are performed in Worksheet D.

STEP 9 - CALCULATE THE WEIGHTED DIGITAL LOOP CARRIER ON FIBER INVESTMENT AND COSTS FOR EACH MILEAGE BAND

The investment, annual cost and monthly cost for each component of each digital loop carrier design are multiplied by that design's probability of occurrence to develop the weighted

investment, annual cost and monthly cost for each component of each design. The weighted monthly costs are then added together to form the total digital loop carrier on fiber cost for each mileage band.

SELECTION OF ECONOMIC COST

The three technologies, copper cable, digital loop carrier on copper and digital loop carrier on fiber, are now compared and the lower of the three costs is chosen. This is the economic cost.

WEIGHT MONTHLY COSTS FOR EACH BAND

The economic monthly cost for each distance band is weighted to arrive at a state average cost. The weighting is accomplished by multiplying the cost for each band by that distance's probability of occurrence. The loop length probabilities are developed from the Loop Survey.

ADDITION OF COSTS FOR LMOS

Large computer systems are not included in the Annual Cost Factors. They must be added to appropriate cost studies. The cost for the Loop Maintenance Operating System (LMOS) has been determined to be $.49 per loop. This is added to the economic cost for each mileage band.

WORKSHEET
FACILITY TYPE: COPPER CABLE

DATE = 22-Sep-94
TIME= 10:39 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

LOOP LENGTH IN FEET AND DESIGN	TYPE OF CABLE PLANT	MATRIX 2 RELATIVE MIX OF CABLE TYPES	MATRIX 3 LOOP LENGTH BY TYPE OF PLANT	MATRIX 4 CABLE INVESTMENT PER PAIR FOOT	MATRIX 5 CABLE INVESTMENT PER PAIR	MATRIX 6 WEIGHTED TERMINAL INVESTMENT	MATRIX 7 AIR DRYER INVESTMENT PER PAIR	MATRIX 8 DROP WIRE ADJUSTMENT PER PAIR	MATRIX 9 WEIGHTED DROP WIRE ADJUSTMENT PER PAIR
1000.00	AERIAL								
26 GAUGE COPPER CABLE	BURIED								
	UNDERGRND								
		1.000000							

AERIAL DROP INV.=
BURIED DROP INV.=
INTRA BLDG CBLE =
BLDG ENTR. CBLE =

PROB. AERIAL TERM.=
AERIAL TERM INV=
PROB. BURIED TERM.=
BURIED TERM INV=
POLE LINE FACTOR =
POLE LINE INVESTMENT
(TOTAL AER CA INV x FACTOR)

UG CONDUIT FACTOR =
CONDUIT INVESTMENT =
(TOTAL UG CA INV x FACTOR)

PROB. OF AERIAL DROP=
PROB. OF BURIED DROP=
PROB IBC =
PROB BEC =
INVESTMENT PER PAIR IN CENTRAL OFFICE
CONNECTORS =
MISC. COMMON EQPT. & POWER FACTOR (377C)=
MCE&P INVESTMENT (CO CONN x FACTOR) =
MFT INVESTMENT =
MFT PROBABILITY OF OCCURRENCE =
TOTAL MFT INVESTMENT = (NOTE 5)
MISC. COMMON EQPT. & POWER FACTOR (57C)=
MCE&P INVESTMENT (MFT x FACTOR) =
LAND FACTOR =
LAND NVST (CO CONN+MCE&P+MFT INV+MEC&P) x FACTOR =
BUILDING FACTOR =
BLDG NVST (CO CONN+MCE&P+MFT INV+MEC&P) x FACTOR =

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: MATRIX 8 = MATRIX 5 x DROP WIRE ADJUSTMENT
NOTE 3: MATRIX 6 & 9 = INVESTMENT x PROBABILITY OF OCCURENCE.
NOTE 4: MATRIX 2 & 4 DEVELOPMENT SHOWN ON WORKSHEET C (#5,#6).
NOTE 5: IF LOOP LENGTH IS < 9000 FT. = MFT INVESTMENT x PROBABILITY OF OCCURRENCE
IF LOOP LENGTH IS > 8999 FT. = MFT INVESTMENT

FACILITY TYPE: COPPER CABLE 5A-1 EQV.
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 1000
TIME= 10:39 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

(a)	(b)	(c)	(d)	(e)		(f)	(g)	(h)	(i)	(j)
			1990 UNIT INVESTMENTS			1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY EXCL. UTILIZATION			1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY INCL. UTILIZATION	
PLANT ITEM	USOA CODE	FIXED VARI SUNK	LOOP TERM EQUIP	LINE HAUL EQUIP	CIRCUIT QUANTITY	LOOP TERM EQUIP	LINE HAUL EQUIP	LINE FILL	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111	V			1			1.00		
BUILDING	2121	V			1			1.00		
BLDG ENTRANCE CBLE	2421	V			1			1.00		
INTRABLDG CABLE	2421	V			1			1.00		
AERIAL CABLE	2421	V			1			0.70		
TERM INV	2421	V			1			0.70		
AIR DRYER	2421	V			1			0.70		
DROP WIRE	2421	V			1			0.70		
BURIED CABLE	2423	V			1			0.70		
TERM INV	2423	V			1			0.70		
AIR DRYER	2423	V			1			0.70		
DROP WIRE	2423	V			1			0.70		
UNDERGROUND CABLE	2422	V			1			0.70		
AIR DRYER	2422	V			1			0.70		
DROP WIRE	2422	V			1			0.70		
CO EQPT - ESS	2212	V			1			0.70		
MCE&P - CO	2212	V			1			0.70		
CO EQPT - MFT	2212	V			1			1.00		
MCE&P - MFT	2212	V			1			1.00		
POLE LINE	2411	V			1			0.70		
CONDUIT	2441	V			1			0.70		

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: DROP WIRE = MATRIX 8 + MATRIX 9

FACILITY TYPE: COPPER CABLE 58 EQV.
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 1000
TIME= 10:39 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 UNIT INVESTMENTS			1990 TOTAL ANNUAL COSTS		1990 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	ANNUAL COST FACTOR	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111			12.0000				
BUILDING	2121			12.0000				
BLDG ENTRANCE CBLE	2421			12.0000				
INTRABLDG CABLE	2421			12.0000				
AERIAL CABLE (COPPER)	2421			12.0000				
BURIED CABLE (COPPER)	2423			12.0000				
UNDRGRND CBL (COPPER)	2422			12.0000				
CO EQPT - P GAIN	2211			12.0000				
CO EQPT - ESS	2212			12.0000				
MCE&P - CO	2212			12.0000				
CO EQPT - MFT	2212			12.0000				
MCE&P - MFT	2212			12.0000				
AERIAL CABLE (FIBER)	2421			12.0000				
BURIED CABLE (FIBER)	2423			12.0000				
UNDRGRND CABLE (FIBER	2422			12.0000				
POLE LINE	2411			12.0000				
CONDUIT	2441			12.0000				
SUBTOTALS								
TOTALS								

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: CO EQPT - ESS = CONNECTORS + MISC. CP&E.

FACILITY TYPE: COPPER CABLE 50 EQV.
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 1000
TIME= 10:39 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 TOTAL ANNUAL COSTS		1990 TOTAL MONTHLY COSTS			1993 TOTAL ANNUAL COSTS		1993 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	1990 TO 1993 TPI	(g)	(h)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP		LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111					1.0000				
BUILDING	2121					1.0830				
BLDG ENTRANCE CBLE	2421					1.0020				
INTRABLDG CABLE	2421					0.9920				
AERIAL CABLE (COPPER)	2421					1.0020				
BURIED CABLE (COPPER)	2423					1.0180				
UNDRGRND CBL (COPPER)	2422					0.9920				
CO EQPT - P GAIN	2211									
CO EQPT - ESS	2212					0.8890				
MCE&P - CO	2212					0.8890				
CO EQPT - MFT	2212					1.0690				
MCE&P - MFT	2212					1.0690				
AERIAL CABLE (FIBER)	2421									
BURIED CABLE (FIBER)	2423									
UNDRGRND CBL (FIBER)	2422									
POLE LINE	2411					1.0910				
CONDUIT	2441					1.0250				
SUBTOTALS										
TOTALS										

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.

WORKSHEET C

DATE = 22-Sep-94

TIME= 10:39 AM

WEIGHTING DEVELOPMENT OF GAUGES FOR COPPER TECHNOLOGY

SERVICE CLASS= LIAL-NONINTEGRATED

LOOP LENGTH (FEET) = 1000.00

DESC.	(A) DTC	(B) PFI	(C) % OF OCCURENCE	(D=A*C) ADJ. DTC	(B*C) ADJ. PFI
PBA26		0.043627	1.000000		
PB826		0.030047	1.000000		
PBU26		0.022545	1.000000		
PBA24		0.053737			
PB824		0.037814			
PBU24		0.028173			
PBA22		0.079861			
PB822		0.059701			
PBU22		0.045097			
Total=	3.000000		Total= 3.00	Tot = 1.000000	

-------MATRIX 2-------- MELDED DISTRIBUTION TO CODE	-------MATRIX 4------- MELDED PAIR FOOT INVESTMENT
AERIAL	AERIAL
BURIED	BURIED
UNDERG	UNDERG
Total =	

THEORETICAL RESISTANCE DESIGN

----------PERCENTAGE----------				----------FOOTAGE----------	
FOOTAGES	26 GA	24 GA	22 GA	26 GA	24 GA
1000	1.0000			1000.00	
2000	1.0000			2000.00	
3000	1.0000			3000.00	

WORKSHEET
FACILITY TYPE: COPPER CABLE

DATE = 22-Sep-94
TIME= 10:40 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

LOOP LENGTH IN FEET AND DESIGN	TYPE OF CABLE PLANT	MATRIX 2 RELATIVE MIX OF CABLE TYPES	MATRIX 3 LOOP LENGTH BY TYPE OF PLANT	MATRIX 4 CABLE INVESTMENT PER PAIR FOOT	MATRIX 5 CABLE INVESTMENT PER PAIR	MATRIX 6 WEIGHTED TERMINAL INVESTMENT	MATRIX 7 AIR DRYER INVESTMENT PER PAIR	MATRIX 8 DROP WIRE ADJUSTMENT PER PAIR	MATRIX 9 WEIGHTED DROP WIRE ADJUSTMENT PER PAIR
2000.00	AERIAL	0.132308							

26 GAUGE COPPER CABLE BURIED UNDERGRND

1.000000

AERIAL DROP INV.=
BURIED DROP INV.=
INTRA BLDG CBLE =
BLDG ENTR. CBLE =

PROB. AERIAL TERM.=
AERIAL TERM INV=
PROB. BURIED TERM.=
BURIED TERM INV=
POLE LINE FACTOR =
POLE LINE INVESTMENT
(TOTAL AER CA INV x FACTOR)

UG CONDUIT FACTOR =
CONDUIT INVESTMENT =
(TOTAL UG CA INV x FACTOR)

PROB. OF AERIAL DROP=
PROB. OF BURIED DROP=
PROB IBC =
PROB BEC =
INVESTMENT PER PAIR IN CENTRAL OFFICE
CONNECTORS =
MISC. COMMON EQPT. & POWER FACTOR (377C)=
MCE&P INVESTMENT (CO CONN x FACTOR) =
MFT INVESTMENT =
MFT PROBABILITY OF OCCURRENCE =
TOTAL MFT INVESTMENT = (NOTE 5)
MISC. COMMON EQPT. & POWER FACTOR (57C)=
MCE&P INVESTMENT (MFT x FACTOR) =
LAND FACTOR =
LAND NVST (CO CONN+MCE&P+MFT INV+MEC&P) x FACTOR =
BUILDING FACTOR =
BLDG NVST (CO CONN+MCE&P+MFT INV+MEC&P) x FACTOR =

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: MATRIX 8 = MATRIX 5 x DROP WIRE ADJUSTMENT
NOTE 3: MATRIX 6 & 9 = INVESTMENT x PROBABILITY OF OCCURENCE.
NOTE 4: MATRIX 2 & 4 DEVELOPMENT SHOWN ON WORKSHEET C (#5,#6).
NOTE 5: IF LOOP LENGTH IS < 9000 FT. = MFT INVESTMENT x PROBABILITY OF OCCURRENCE
IF LOOP LENGTH IS > 8999 FT. = MFT INVESTMENT

FACILITY TYPE: COPPER CABLE SA-1 EQV.
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 2000
TIME= 10:40 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

(a)	(b)	(c)	1990 UNIT INVESTMENTS (d)	(e)		1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY EXCL. UTILIZATION (f)	(g)	(h)	1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY INCL. UTILIZATION (i)	(j)
PLANT ITEM	USOA CODE	FIXED VARI SUNK	LOOP TERM EQUIP	LINE HAUL EQUIP	CIRCUIT QUANTITY	LOOP TERM EQUIP	LINE HAUL EQUIP	LINE FILL	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111	V			1			1.00		
BUILDING	2121	V			1			1.00		
BLDG ENTRANCE CBLE	2421	V			1			1.00		
INTRABLDG CABLE	2421	V			1			1.00		
AERIAL CABLE	2421	V			1			0.70		
TERM INV	2421	V			1			0.70		
AIR DRYER	2421	V			1			0.70		
DROP WIRE	2421	V			1			0.70		
JRIED CABLE	2423	V			1			0.70		
TERM INV	2423	V			1			0.70		
AIR DRYER	2423	V			1			0.70		
DROP WIRE	2423	V			1			0.70		
UNDERGROUND CABLE	2422	V			1			0.70		
AIR DRYER	2422	V			1			0.70		
DROP WIRE	2422	V			1			0.70		
CO EQPT - ESS	2212	V			1			0.70		
MCE&P - CO	2212	V			1			0.70		
CO EQPT - MFT	2212	V			1			1.00		
MCE&P - MFT	2212	V			1			1.00		
POLE LINE	2411	V			1			0.70		
CONDUIT	2441	V			1			0.70		

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: DROP WIRE = MATRIX 8 + MATRIX 9

FACILITY TYPE: COPPER CABLE 58 EQV.
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 2000
TIME= 10:40 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 UNIT INVESTMENTS			1990 TOTAL ANNUAL COSTS		1990 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	ANNUAL COST FACTOR	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111			12.0000				
BUILDING	2121			12.0000				
BLDG ENTRANCE CBLE	2421			12.0000				
INTRABLDG CABLE	2421			12.0000				
AERIAL CABLE (COPPER)	2421			12.0000				
BURIED CABLE (COPPER)	2423			12.0000				
UNDRGRND CBL (COPPER)	2422			12.0000				
CO EQPT - P GAIN	2211			12.0000				
CO EQPT - ESS	2212			12.0000				
MCE&P - CO	2212			12.0000				
CO EQPT - MFT	2212			12.0000				
MCE&P - MFT	2212			12.0000				
AERIAL CABLE (FIBER)	2421			12.0000				
BURIED CABLE (FIBER)	2423			12.0000				
UNDRGRND CABLE (FIBER	2422			12.0000				
POLE LINE	2411			12.0000				
CONDUIT	2441			12.0000				
SUBTOTALS								
TOTALS								

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: CO EQPT - ESS = CONNECTORS & MISC. CP&E.

FACILITY TYPE: COPPER CABLE 50 EQV.
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 2000
TIME= 10:40 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 TOTAL ANNUAL COSTS		1990 TOTAL MONTHLY COSTS			1993 TOTAL ANNUAL COSTS		1993 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	1990 TO 1993 TPI	(g)	(h)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP		LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111					1.0000				
BUILDING	2121					1.0830				
BLDG ENTRANCE CBLE	2421					1.0020				
INTRABLDG CABLE	2421					0.9920				
AERIAL CABLE (COPPER)	2421					1.0020				
BURIED CABLE (COPPER)	2423					1.0180				
UNDRGRND CBL (COPPER)	2422					0.9920				
CO EQPT - P GAIN	2211									
CO EQPT - ESS	2212					0.8890				
MCE&P - CO	2212					0.8890				
CO EQPT - MFT	2212					1.0690				
MCE&P - MFT	2212					1.0690				
AERIAL CABLE (FIBER)	2421									
BURIED CABLE (FIBER)	2423									
UNDRGRND CBL (FIBER)	2422									
POLE LINE	2411					1.0910				
CONDUIT	2441					1.0250				
	SUBTOTALS									
	TOTALS									

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.

WORKSHEET C

DATE = 22-Sep-94

TIME= 10:40 AM

WEIGHTING DEVELOPMENT OF GAUGES FOR COPPER TECHNOLOGY

SERVICE CLASS= LIAL-NONINTEGRATED

LOOP LENGTH (FEET) = 2000.00

DESC.	(A) DTC	(B) PFI	(C) % OF OCCURENCE	(D=A*C) ADJ. DTC	(B*C) ADJ. PFI
P8A26			1.000000		
P8B26			1.000000		
P8U26			1.000000		
P8A24					
P8B24					
P8U24					
P8A22					
P8B22					
P8U22					
Total=	3.000000		Total= 3.00	Tot = 1.000000	

MATRIX 2 MELDED DISTRIBUTION TO CODE		MATRIX 4 MELDED PAIR FOOT INVESTMENT	
AERIAL	#5	AERIAL	#6
BURIED	#5	BURIED	#6
UNDERG	#5	UNDERG	#6
Total =	1.000000		

THEORETICAL RESISTANCE DESIGN

FOOTAGES	PERCENTAGE 26 GA	24 GA	22 GA	FOOTAGE 26 GA	24 GA
1000	1.0000			1000.00	
2000	1.0000			2000.00	
3000	1.0000			3000.00	

WORKSHEET
FACILITY TYPE: COPPER CABLE

DATE = 22-Sep-94
TIME= 10:41 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

LOOP LENGTH IN FEET AND DESIGN	TYPE OF CABLE PLANT	MATRIX 2 RELATIVE MIX OF CABLE TYPES	MATRIX 3 LOOP LENGTH BY TYPE OF PLANT	MATRIX 4 CABLE INVESTMENT PER PAIR FOOT	MATRIX 5 CABLE INVESTMENT PER PAIR	MATRIX 6 WEIGHTED TERMINAL INVESTMENT	MATRIX 7 AIR DRYER INVESTMENT PER PAIR	MATRIX 8 DROP WIRE ADJUSTMENT PER PAIR	MATRIX 9 WEIGHTED DROP WIRE ADJUSTMENT PER PAIR
3000.00	AERIAL								

26 GAUGE COPPER CABLE BURIED UNDERGRND

1.000000

AERIAL DROP INV.=
BURIED DROP INV.=
INTRA BLDG CBLE =
BLDG ENTR. CBLE =

PROB. AERIAL TERM.=
AERIAL TERM INV=
PROB. BURIED TERM.=
BURIED TERM INV=
POLE LINE FACTOR =
POLE LINE INVESTMENT
(TOTAL AER CA INV x FACTOR)

UG CONDUIT FACTOR =
CONDUIT INVESTMENT =
(TOTAL UG CA INV x FACTOR)

PROB. OF AERIAL DROP=
PROB. OF BURIED DROP=
PROB IBC =
PROB BEC =
INVESTMENT PER PAIR IN CENTRAL OFFICE
CONNECTORS =
MISC. COMMON EQPT. & POWER FACTOR (377C)=
MCE&P INVESTMENT (CO CONN x FACTOR) =
MFT INVESTMENT =
MFT PROBABILITY OF OCCURRENCE =
TOTAL MFT INVESTMENT = (NOTE 5)
MISC. COMMON EQPT. & POWER FACTOR (57C)=
MCE&P INVESTMENT (MFT x FACTOR) =
LAND FACTOR =
LAND NVST (CO CONN+MCE&P+MFT INV+MEC&P) x FACTOR =
BUILDING FACTOR =
BLDG NVST (CO CONN+MCE&P+MFT INV+MEC&P) x FACTOR =

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: MATRIX 8 = MATRIX 5 x DROP WIRE ADJUSTMENT
NOTE 3: MATRIX 6 & 9 = INVESTMENT x PROBABILITY OF OCCURENCE.
NOTE 4: MATRIX 2 & 4 DEVELOPMENT SHOWN ON WORKSHEET C (#5,#6).
NOTE 5: IF LOOP LENGTH IS < 9000 FT. = MFT INVESTMENT x PROBABILITY OF OCCURRENCE
IF LOOP LENGTH IS > 8999 FT. = MFT INVESTMENT

FACILITY TYPE: COPPER CABLE 5A-1 EQV.
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 3000
TIME= 10:41 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

(a)	(b)	(c)	1990 UNIT INVESTMENTS (d)	(e)	1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY EXCL. UTILIZATION (f)	(g)	(h)	1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY INCL. UTILIZATION (i)	(j)
PLANT ITEM	USOA CODE	FIXED VARI SUNK	LOOP TERM EQUIP	LINE HAUL EQUIP	CIRCUIT QUANTITY	LOOP TERM EQUIP	LINE HAUL EQUIP	LINE FILL	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111	V			1			1.00		
BUILDING	2121	V			1			1.00		
BLDG ENTRANCE CBLE	2421	V			1			1.00		
INTRABLDG CABLE	2421	V			1			1.00		
AERIAL CABLE	2421	V			1			0.70		
TERM INV	2421	V			1			0.70		
AIR DRYER	2421	V			1			0.70		
DROP WIRE	2421	V			1			0.70		
BURIED CABLE	2423	V			1			0.70		
TERM INV	2423	V			1			0.70		
AIR DRYER	2423	V			1			0.70		
DROP WIRE	2423	V			1			0.70		
UNDERGROUND CABLE	2422	V			1			0.70		
AIR DRYER	2422	V			1			0.70		
DROP WIRE	2422	V			1			0.70		
CO EQPT - ESS	2212	V			1			0.70		
MCE&P - CO	2212	V			1			0.70		
CO EQPT - MFT	2212	V			1			1.00		
MCE&P - MFT	2212	V			1			1.00		
POLE LINE	2411	V			1			0.70		
CONDUIT	2441	V			1			0.70		

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: DROP WIRE = MATRIX 8 + MATRIX 9

FACILITY TYPE: COPPER CABLE 5B EQV.
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 3000
TIME= 10:41 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

(a)	(b)	1990 UNIT INVESTMENTS (c)	(d)	(e)	1990 TOTAL ANNUAL COSTS (f)	(g)	1990 TOTAL MONTHLY COSTS (i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	ANNUAL COST FACTOR	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111			12.0000				
BUILDING	2121			12.0000				
BLDG ENTRANCE CBLE	2421			12.0000				
INTRABLDG CABLE	2421			12.0000				
AERIAL CABLE (COPPER)	2421			12.0000				
BURIED CABLE (COPPER)	2423			12.0000				
UNDRGRND CBL (COPPER)	2422			12.0000				
CO EQPT - P GAIN	2211			12.0000				
CO EQPT - ESS	2212			12.0000				
MCE&P - CO	2212			12.0000				
CO EQPT - MFT	2212			12.0000				
MCE&P - MFT	2212			12.0000				
AERIAL CABLE (FIBER)	2421			12.0000				
BURIED CABLE (FIBER)	2423			12.0000				
UNDRGRND CABLE (FIBER	2422			12.0000				
POLE LINE	2411			12.0000				
CONDUIT	2441			12.0000				
SUBTOTALS								
TOTALS								

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: CO EQPT - ESS = CONNECTORS + MISC. CP&E.

FACILITY TYPE: COPPER CABLE 50 EQV.
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 3000
TIME= 10:41 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 TOTAL ANNUAL COSTS		1990 TOTAL MONTHLY COSTS			1993 TOTAL ANNUAL COSTS		1993 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	1990 TO 1993 TPI	(g)	(h)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP		LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111					1.0000				
BUILDING	2121					1.0830				
BLDG ENTRANCE CBLE	2421					1.0020				
INTRABLDG CABLE	2421					0.9920				
AERIAL CABLE (COPPER)	2421					1.0020				
BURIED CABLE (COPPER)	2423					1.0180				
UNDRGRND CBL (COPPER)	2422					0.9920				
CO EQPT - P GAIN	2211									
CO EQPT - ESS	2212					0.8890				
MCE&P - CO	2212					0.8890				
CO EQPT - MFT	2212					1.0690				
MCE&P - MFT	2212					1.0690				
AERIAL CABLE (FIBER)	2421									
BURIED CABLE (FIBER)	2423									
UNDRGRND CBL (FIBER)	2422									
POLE LINE	2411					1.0910				
CONDUIT	2441					1.0250				
	SUBTOTALS									
	TOTALS									

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.

WORKSHEET C

DATE = 22-Sep-94
TIME= 10:41 AM

WEIGHTING DEVELOPMENT OF GAUGES FOR COPPER TECHNOLOGY
SERVICE CLASS= LIAL-NONINTEGRATED
LOOP LENGTH (FEET) = 3000.00

DESC.	(A) DTC	(B) PFI	(C) % OF OCCURENCE	(D=A*C) ADJ. DTC	(B*C) ADJ. PFI
PBA26			1.000000		
PBB26			1.000000		
PBU26			1.000000		
PBA24					
PBB24					
PBU24					
PBA22					
PBB22					
PBU22					
Total=	3.000000		Total= 3.00	Tot = 1.000000	

-------MATRIX 2--------
MELDED DISTRIBUTION
TO CODE

AERIAL	#5
BURIED	#5
UNDERG	#5
Total =	1.000000

-------MATRIX 4-------
MELDED PAIR
FOOT INVESTMENT

AERIAL	#6
BURIED	#6
UNDERG	#6

THEORETICAL RESISTANCE DESIGN

FOOTAGES	PERCENTAGE 26 GA	24 GA	22 GA	FOOTAGE 26 GA	24 GA
1000	1.0000			1000.00	
2000	1.0000			2000.00	
3000	1.0000			3000.00	

WORKSHEET
FACILITY TYPE: COPPER CABLE

DATE = 22-Sep-94
TIME= 10:42 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

LOOP LENGTH IN FEET AND DESIGN	TYPE OF CABLE PLANT	MATRIX 2 RELATIVE MIX OF CABLE TYPES	MATRIX 3 LOOP LENGTH BY TYPE OF PLANT	MATRIX 4 CABLE INVESTMENT PER PAIR FOOT	MATRIX 5 CABLE INVESTMENT PER PAIR	MATRIX 6 WEIGHTED TERMINAL INVESTMENT	MATRIX 7 AIR DRYER INVESTMENT PER PAIR	MATRIX 8 DROP WIRE ADJUSTMENT PER PAIR	MATRIX 9 WEIGHTED DROP WIRE ADJUSTMENT PER PAIR
4000.00	AERIAL								

26 GAUGE COPPER CABLE BURIED UNDERGRND

1.000000

AERIAL DROP INV.=
BURIED DROP INV.=
INTRA BLDG CBLE =
BLDG ENTR. CBLE =

PROB. AERIAL TERM.=
AERIAL TERM INV=
PROB. BURIED TERM.=
BURIED TERM INV=
POLE LINE FACTOR =
POLE LINE INVESTMENT
(TOTAL AER CA INV x FACTOR)

UG CONDUIT FACTOR =
CONDUIT INVESTMENT =
(TOTAL UG CA INV x FACTOR)

PROB. OF AERIAL DROP=
PROB. OF BURIED DROP=
PROB IBC =
PROB BEC =

INVESTMENT PER PAIR IN CENTRAL OFFICE
CONNECTORS =
MISC. COMMON EQPT. & POWER FACTOR (377C)=
MCE&P INVESTMENT (CO CONN x FACTOR) =
MFT INVESTMENT =
MFT PROBABILITY OF OCCURRENCE =
TOTAL MFT INVESTMENT = (NOTE 5)
MISC. COMMON EQPT. & POWER FACTOR (57C)=
MCE&P INVESTMENT (MFT x FACTOR) =
LAND FACTOR =
LAND NVST (CO CONN+MCE&P+MFT INV+MEC&P) x FACTOR =
BUILDING FACTOR =
BLDG NVST (CO CONN+MCE&P+MFT INV+MEC&P) x FACTOR =

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: MATRIX 8 = MATRIX 5 x DROP WIRE ADJUSTMENT
NOTE 3: MATRIX 6 & 9 = INVESTMENT x PROBABILITY OF OCCURENCE.
NOTE 4: MATRIX 2 & 4 DEVELOPMENT SHOWN ON WORKSHEET C (#5,#6).
NOTE 5: IF LOOP LENGTH IS < 9000 FT. = MFT INVESTMENT x PROBABILITY OF OCCURRENCE
IF LOOP LENGTH IS > 8999 FT. = MFT INVESTMENT

FACILITY TYPE: COPPER CABLE 5A-1 EQV.
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 4000
TIME= 10:42 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

(a)	(b)	(c)	1990 UNIT INVESTMENTS (d)	(e)		1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY EXCL. UTILIZATION (f)	(g)	(h)	1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY INCL. UTILIZATION (i)	(j)
PLANT ITEM	USOA CODE	FIXED VARI SUNK	LOOP TERM EQUIP	LINE HAUL EQUIP	CIRCUIT QUANTITY	LOOP TERM EQUIP	LINE HAUL EQUIP	LINE FILL	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111	V			1			1.00		
BUILDING	2121	V			1			1.00		
BLDG ENTRANCE CBLE	2421	V			1			1.00		
INTRABLDG CABLE	2421	V			1			1.00		
AERIAL CABLE	2421	V			1			0.70		
TERM INV	2421	V			1			0.70		
AIR DRYER	2421	V			1			0.70		
DROP WIRE	2421	V			1			0.70		
BURIED CABLE	2423	V			1			0.70		
TERM INV	2423	V			1			0.70		
AIR DRYER	2423	V			1			0.70		
DROP WIRE	2423	V			1			0.70		
UNDERGROUND CABLE	2422	V			1			0.70		
AIR DRYER	2422	V			1			0.70		
DROP WIRE	2422	V			1			0.70		
CO EQPT - ESS	2212	V			1			0.70		
MCE&P - CO	2212	V			1			0.70		
CO EQPT - MFT	2212	V			1			1.00		
MCE&P - MFT	2212	V			1			1.00		
POLE LINE	2411	V			1			0.70		
CONDUIT	2441	V			1			0.70		

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: DROP WIRE = MATRIX 8 + MATRIX 9

FACILITY TYPE: COPPER CABLE 58 EQV.
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 4000
TIME= 10:42 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 UNIT INVESTMENTS			1990 TOTAL ANNUAL COSTS		1990 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	ANNUAL COST FACTOR	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111			12.0000				
BUILDING	2121			12.0000				
BLDG ENTRANCE CBLE	2421			12.0000				
INTRABLDG CABLE	2421			12.0000				
AERIAL CABLE (COPPER)	2421			12.0000				
BURIED CABLE (COPPER)	2423			12.0000				
UNDRGRND CBL (COPPER)	2422			12.0000				
CO EQPT - P GAIN	2211			12.0000				
CO EQPT - ESS	2212			12.0000				
MCE&P - CO	2212			12.0000				
CO EQPT - MFT	2212			12.0000				
MCE&P - MFT	2212			12.0000				
AERIAL CABLE (FIBER)	2421			12.0000				
BURIED CABLE (FIBER)	2423			12.0000				
UNDRGRND CABLE (FIBER	2422			12.0000				
POLE LINE	2411			12.0000				
CONDUIT	2441			12.0000				
SUBTOTALS								
TOTALS								

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: CO EQPT - ESS = CONNECTORS + MISC. CP&E.

FACILITY TYPE: COPPER CABLE 50 EQV.
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 4000
TIME= 10:42 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 TOTAL ANNUAL COSTS		1990 TOTAL MONTHLY COSTS			1993 TOTAL ANNUAL COSTS		1993 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	1990 TO 1993	(g)	(h)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP	TPI	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111					1.0000				
BUILDING	2121					1.0830				
BLDG ENTRANCE CBLE	2421					1.0020				
INTRABLDG CABLE	2421					0.9920				
AERIAL CABLE (COPPER)	2421					1.0020				
BURIED CABLE (COPPER)	2423					1.0180				
UNDRGRND CBL (COPPER)	2422					0.9920				
CO EQPT - P GAIN	2211									
CO EQPT - ESS	2212					0.8890				
MCE&P - CO	2212					0.8890				
CO EQPT - MFT	2212					1.0690				
MCE&P - MFT	2212					1.0690				
AERIAL CABLE (FIBER)	2421									
BURIED CABLE (FIBER)	2423									
UNDRGRND CBL (FIBER)	2422									
POLE LINE	2411					1.0910				
CONDUIT	2441					1.0250				
SUBTOTALS										
TOTALS										

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.

WORKSHEET C

DATE = 22-Sep-94

TIME= 10:42 AM

WEIGHTING DEVELOPMENT OF GAUGES FOR COPPER TECHNOLOGY

SERVICE CLASS= LIAL-NONINTEGRATED

LOOP LENGTH (FEET) = 4000.00

DESC.	(A) DTC	(B) PFI	(C) % OF OCCURENCE	(D=A*C) ADJ. DTC	(B*C) ADJ. PFI
PBA26			1.000000		
PBB26			1.000000		
PBU26			1.000000		
PBA24					
PBB24					
PBU24					
PBA22					
PBB22					
PBU22					
Total=	3.000000		Total= 3.00	Tot = 1.000000	

MATRIX 2 MELDED DISTRIBUTION TO CODE		MATRIX 4 MELDED PAIR FOOT INVESTMENT	
AERIAL	#5	AERIAL	#6
BURIED	#5	BURIED	#6
UNDERG	#5	UNDERG	#6
Total =	1.000000		

THEORETICAL RESISTANCE DESIGN

FOOTAGES	PERCENTAGE 26 GA	24 GA	22 GA	FOOTAGE 26 GA	24 GA
1000	1.0000			1000.00	
2000	1.0000			2000.00	
3000	1.0000			3000.00	

WORKSHEET
FACILITY TYPE: COPPER CABLE

DATE = 22-Sep-94
TIME= 10:43 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

LOOP LENGTH IN FEET AND DESIGN	TYPE OF CABLE PLANT	MATRIX 2 RELATIVE MIX OF CABLE TYPES	MATRIX 3 LOOP LENGTH BY TYPE OF PLANT	MATRIX 4 CABLE INVESTMENT PER PAIR FOOT	MATRIX 5 CABLE INVESTMENT PER PAIR	MATRIX 6 WEIGHTED TERMINAL INVESTMENT	MATRIX 7 AIR DRYER INVESTMENT PER PAIR	MATRIX 8 DROP WIRE ADJUSTMENT PER PAIR	MATRIX 9 WEIGHTED DROP WIRE ADJUSTMENT PER PAIR
5000.00	AERIAL								

26 GAUGE COPPER CABLE BURIED UNDERGRND

1.000000

AERIAL DROP INV.=
BURIED DROP INV.=
INTRA BLDG CBLE =
BLDG ENTR. CBLE =

PROB. AERIAL TERM.=
AERIAL TERM INV=
PROB. BURIED TERM.=
BURIED TERM INV=
POLE LINE FACTOR =
POLE LINE INVESTMENT
(TOTAL AER CA INV x FACTOR)

UG CONDUIT FACTOR =
CONDUIT INVESTMENT =
(TOTAL UG CA INV x FACTOR)

PROB. OF AERIAL DROP=
PROB. OF BURIED DROP=
PROB IBC =
PROB BEC =
INVESTMENT PER PAIR IN CENTRAL OFFICE
CONNECTORS =
MISC. COMMON EQPT. & POWER FACTOR (377C)=
MCE&P INVESTMENT (CO CONN x FACTOR) =
MFT INVESTMENT =
MFT PROBABILITY OF OCCURRENCE =
TOTAL MFT INVESTMENT = (NOTE 5)
MISC. COMMON EQPT. & POWER FACTOR (57C)=
MCE&P INVESTMENT (MFT x FACTOR) =
LAND FACTOR =
LAND NVST (CO CONN+MCE&P+MFT INV+MEC&P) x FACTOR =
BUILDING FACTOR =
BLDG NVST (CO CONN+MCE&P+MFT INV+MEC&P) x FACTOR =

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: MATRIX 8 = MATRIX 5 x DROP WIRE ADJUSTMENT
NOTE 3: MATRIX 6 & 9 = INVESTMENT x PROBABILITY OF OCCURENCE.
NOTE 4: MATRIX 2 & 4 DEVELOPMENT SHOWN ON WORKSHEET C (#5,#6).
NOTE 5: IF LOOP LENGTH IS < 9000 FT. = MFT INVESTMENT x PROBABILITY OF OCCURRENCE
IF LOOP LENGTH IS > 8999 FT. = MFT INVESTMENT

FACILITY TYPE: COPPER CABLE 5A-1 EQV.
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 5000
TIME= 10:43 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

(a)	(b)	(c)	1990 UNIT INVESTMENTS (d)	(e)		1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY EXCL. UTILIZATION (f)	(g)	(h)	1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY INCL. UTILIZATION (i)	(j)
PLANT ITEM	USOA CODE	FIXED VARI SUNK	LOOP TERM EQUIP	LINE HAUL EQUIP	CIRCUIT QUANTITY	LOOP TERM EQUIP	LINE HAUL EQUIP	LINE FILL	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111	V			1			1.00		
BUILDING	2121	V			1			1.00		
BLDG ENTRANCE CBLE	2421	V			1			1.00		
INTRABLDG CABLE	2421	V			1			1.00		
AERIAL CABLE	2421	V			1			0.70		
TERM INV	2421	V			1			0.70		
AIR DRYER	2421	V			1			0.70		
DROP WIRE	2421	V			1			0.70		
BURIED CABLE	2423	V			1			0.70		
TERM INV	2423	V			1			0.70		
AIR DRYER	2423	V			1			0.70		
DROP WIRE	2423	V			1			0.70		
UNDERGROUND CABLE	2422	V			1			0.70		
AIR DRYER	2422	V			1			0.70		
DROP WIRE	2422	V			1			0.70		
CO EQPT - ESS	2212	V			1			0.70		
MCE&P - CO	2212	V			1			0.70		
CO EQPT - MFT	2212	V			1			1.00		
MCE&P - MFT	2212	V			1			1.00		
POLE LINE	2411	V			1			0.70		
CONDUIT	2441	V			1			0.70		

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: DROP WIRE = MATRIX 8 * MATRIX 9

FACILITY TYPE: COPPER CABLE 5B EQV.
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 5000
TIME= 10:43 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 UNIT INVESTMENTS			1990 TOTAL ANNUAL COSTS		1990 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	ANNUAL COST FACTOR	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111			12.0000				
BUILDING	2121			12.0000				
BLDG ENTRANCE CBLE	2421			12.0000				
INTRABLDG CABLE	2421			12.0000				
AERIAL CABLE (COPPER)	2421			12.0000				
BURIED CABLE (COPPER)	2423			12.0000				
UNDRGRND CBL (COPPER)	2422			12.0000				
CO EQPT - P GAIN	2211			12.0000				
CO EQPT - ESS	2212			12.0000				
MCE&P - CO	2212			12.0000				
CO EQPT - MFT	2212			12.0000				
MCE&P - MFT	2212			12.0000				
AERIAL CABLE (FIBER)	2421			12.0000				
BURIED CABLE (FIBER)	2423			12.0000				
UNDRGRND CABLE (FIBER	2422			12.0000				
POLE LINE	2411			12.0000				
CONDUIT	2441			12.0000				
SUBTOTALS								
TOTALS								

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: CO EQPT - ESS = CONNECTORS + MISC. CP&E.

FACILITY TYPE: COPPER CABLE 50 EQV.
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 5000
TIME= 10:43 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 TOTAL ANNUAL COSTS		1990 TOTAL MONTHLY COSTS			1993 TOTAL ANNUAL COSTS		1993 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	1990 TO 1993 TPI	(g)	(h)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP		LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111					1.0000				
BUILDING	2121					1.0830				
BLDG ENTRANCE CBLE	2421					1.0020				
INTRABLDG CABLE	2421					0.9920				
AERIAL CABLE (COPPER)	2421					1.0020				
BURIED CABLE (COPPER)	2423					1.0180				
UNDRGRND CBL (COPPER)	2422					0.9920				
CO EQPT - P GAIN	2211									
CO EQPT - ESS	2212					0.8890				
MCE&P - CO	2212					0.8890				
CO EQPT - MFT	2212					1.0690				
MCE&P - MFT	2212					1.0690				
AERIAL CABLE (FIBER)	2421									
BURIED CABLE (FIBER)	2423									
UNDRGRND CBL (FIBER)	2422									
POLE LINE	2411					1.0910				
CONDUIT	2441					1.0250				
	SUBTOTALS									
	TOTALS									

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.

WORKSHEET C

DATE = 22-Sep-94
TIME= 10:43 AM
WEIGHTING DEVELOPMENT OF GAUGES FOR COPPER TECHNOLOGY
SERVICE CLASS= LIAL-NONINTEGRATED
LOOP LENGTH (FEET) = 5000.00

DESC.	(A) DTC	(B) PFI	(C) % OF OCCURENCE	(D=A*C) ADJ. DTC	(B*C) ADJ. PFI
PBA26			1.000000		
PBB26			1.000000		
PBU26			1.000000		
PBA24					
PBB24					
PBU24					
PBA22					
PBB22					
PBU22					
Total=	3.000000		Total= 3.00	Tot = 1.000000	

-------MATRIX 2-------- MELDED DISTRIBUTION TO CODE		-------MATRIX 4------- MELDED PAIR FOOT INVESTMENT	
AERIAL	#5	AERIAL	#6
BURIED	#5	BURIED	#6
UNDERG	#5	UNDERG	#6
Total = 1.000000			

THEORETICAL RESISTANCE DESIGN

FOOTAGES	PERCENTAGE 26 GA	24 GA	22 GA	FOOTAGE 26 GA	24 GA
1000	1.0000			1000.00	
2000	1.0000			2000.00	
3000	1.0000			3000.00	

WORKSHEET
FACILITY TYPE: COPPER CABLE

DATE = 22-Sep-94
TIME= 10:44 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

LOOP LENGTH IN FEET AND DESIGN	TYPE OF CABLE PLANT	MATRIX 2 RELATIVE MIX OF CABLE TYPES	MATRIX 3 LOOP LENGTH BY TYPE OF PLANT	MATRIX 4 CABLE INVESTMENT PER PAIR FOOT	MATRIX 5 CABLE INVESTMENT PER PAIR	MATRIX 6 WEIGHTED TERMINAL INVESTMENT	MATRIX 7 AIR DRYER INVESTMENT PER PAIR	MATRIX 8 DROP WIRE ADJUSTMENT PER PAIR	MATRIX 9 WEIGHTED DROP WIRE ADJUSTMENT PER PAIR
6000.00	AERIAL								

26 GAUGE COPPER CABLE BURIED UNDERGRND

1.000000

AERIAL DROP INV.=
BURIED DROP INV.=
INTRA BLDG CBLE =
BLDG ENTR. CBLE =

PROB. AERIAL TERM.=
AERIAL TERM INV=
PROB. BURIED TERM.=
BURIED TERM INV=
POLE LINE FACTOR =
POLE LINE INVESTMENT
(TOTAL AER CA INV x FACTOR)

UG CONDUIT FACTOR =
CONDUIT INVESTMENT =
(TOTAL UG CA INV x FACTOR)

PROB. OF AERIAL DROP=
PROB. OF BURIED DROP=
PROB IBC =
PROB BEC =
INVESTMENT PER PAIR IN CENTRAL OFFICE
CONNECTORS =
MISC. COMMON EQPT. & POWER FACTOR (377C)=
MCE&P INVESTMENT (CO CONN x FACTOR) =
MFT INVESTMENT =
MFT PROBABILITY OF OCCURRENCE =
TOTAL MFT INVESTMENT = (NOTE 5)
MISC. COMMON EQPT. & POWER FACTOR (57C)=
MCE&P INVESTMENT (MFT x FACTOR) =
LAND FACTOR =
LAND NVST (CO CONN+MCE&P+MFT INV+MEC&P) x FACTOR =
BUILDING FACTOR =
BLDG NVST (CO CONN+MCE&P+MFT INV+MEC&P) x FACTOR =

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: MATRIX 8 = MATRIX 5 x DROP WIRE ADJUSTMENT
NOTE 3: MATRIX 6 & 9 = INVESTMENT x PROBABILITY OF OCCURENCE.
NOTE 4: MATRIX 2 & 4 DEVELOPMENT SHOWN ON WORKSHEET C (#5,#6).
NOTE 5: IF LOOP LENGTH IS < 9000 FT. = MFT INVESTMENT x PROBABILITY OF OCCURRENCE
IF LOOP LENGTH IS > 8999 FT. = MFT INVESTMENT

FACILITY TYPE: COPPER CABLE 5A-1 EQV.
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 6000
TIME= 10:44 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

(a)	(b)	(c)	1990 UNIT INVESTMENTS (d)	(e)		1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY EXCL. UTILIZATION (f)	(g)	(h)	1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY INCL. UTILIZATION (i)	(j)
PLANT ITEM	USOA CODE	FIXED VARI SUNK	LOOP TERM EQUIP	LINE HAUL EQUIP	CIRCUIT QUANTITY	LOOP TERM EQUIP	LINE HAUL EQUIP	LINE FILL	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111	V			1			1.00		
BUILDING	2121	V			1			1.00		
BLDG ENTRANCE CBLE	2421	V			1			1.00		
INTRABLDG CABLE	2421	V			1			1.00		
AERIAL CABLE	2421	V			1			0.70		
TERM INV	2421	V			1			0.70		
AIR DRYER	2421	V			1			0.70		
DROP WIRE	2421	V			1			0.70		
BURIED CABLE	2423	V			1			0.70		
TERM INV	2423	V			1			0.70		
AIR DRYER	2423	V			1			0.70		
DROP WIRE	2423	V			1			0.70		
UNDERGROUND CABLE	2422	V			1			0.70		
AIR DRYER	2422	V			1			0.70		
DROP WIRE	2422	V			1			0.70		
CO EQPT - ESS	2212	V			1			0.70		
MCE&P - CO	2212	V			1			0.70		
CO EQPT - MFT	2212	V			1			1.00		
MCE&P - MFT	2212	V			1			1.00		
POLE LINE	2411	V			1			0.70		
CONDUIT	2441	V			1			0.70		

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: DROP WIRE = MATRIX 8 + MATRIX 9

FACILITY TYPE: COPPER CABLE 58 EQV.
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 6000
TIME= 10:44 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

(a)	(b)	1990 UNIT INVESTMENTS (c)	(d)	(e)	1990 TOTAL ANNUAL COSTS (f)	(g)	1990 TOTAL MONTHLY COSTS (i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	ANNUAL COST FACTOR	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111			12.0000				
BUILDING	2121			12.0000				
BLDG ENTRANCE CBLE	2421			12.0000				
INTRABLDG CABLE	2421			12.0000				
AERIAL CABLE (COPPER)	2421			12.0000				
BURIED CABLE (COPPER)	2423			12.0000				
UNDRGRND CBL (COPPER)	2422			12.0000				
CO EQPT - P GAIN	2211			12.0000				
CO EQPT - ESS	2212			12.0000				
MCE&P - CO	2212			12.0000				
CO EQPT - MFT	2212			12.0000				
MCE&P - MFT	2212			12.0000				
AERIAL CABLE (FIBER)	2421			12.0000				
BURIED CABLE (FIBER)	2423			12.0000				
UNDRGRND CABLE (FIBER	2422			12.0000				
POLE LINE	2411			12.0000				
CONDUIT	2441			12.0000				
SUBTOTALS								
TOTALS								

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: CO EQPT - ESS = CONNECTORS & MISC. CP&E.

FACILITY TYPE: COPPER CABLE 5D EQV.
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 6000
TIME= 10:44 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 TOTAL ANNUAL COSTS		1990 TOTAL MONTHLY COSTS			1993 TOTAL ANNUAL COSTS		1993 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	1990 TO 1993	(g)	(h)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP	TPI	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111					1.0000				
BUILDING	2121					1.0830				
BLDG ENTRANCE CBLE	2421					1.0020				
INTRABLDG CABLE	2421					0.9920				
AERIAL CABLE (COPPER)	2421					1.0020				
BURIED CABLE (COPPER)	2423					1.0180				
UNDRGRND CBL (COPPER)	2422					0.9920				
CO EQPT - P GAIN	2211									
CO EQPT - ESS	2212					0.8890				
MCE&P - CO	2212					0.8890				
CO EQPT - MFT	2212					1.0690				
MCE&P - MFT	2212					1.0690				
AERIAL CABLE (FIBER)	2421									
BURIED CABLE (FIBER)	2423									
UNDRGRND CBL (FIBER)	2422									
POLE LINE	2411					1.0910				
CONDUIT	2441					1.0250				
SUBTOTALS		$					$			
TOTALS										

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.

WORKSHEET C

DATE = 22-Sep-94

TIME= 10:44 AM

WEIGHTING DEVELOPMENT OF GAUGES FOR COPPER TECHNOLOGY

SERVICE CLASS= LIAL-NONINTEGRATED

LOOP LENGTH (FEET) = 6000.00

DESC.	(A) DTC	(B) PFI	(C) % OF OCCURENCE	(D=A*C) ADJ. DTC	(B*C) ADJ. PFI
PBA26			1.000000		
PBB26			1.000000		
PBU26			1.000000		
PBA24					
PBB24					
PBU24					
PBA22					
PBB22					
PBU22					
Total=	3.000000		Total= 3.00	Tot = 1.000000	

-------MATRIX 2-------- MELDED DISTRIBUTION TO CODE		-------MATRIX 4------- MELDED PAIR FOOT INVESTMENT	
AERIAL	#5	AERIAL	#6
BURIED	#5	BURIED	#6
UNDERG	#5	UNDERG	#6
Total = 1.000000			

THEORETICAL RESISTANCE DESIGN

FOOTAGES	----------PERCENTAGE---------- 26 GA	24 GA	22 GA	----------FOOTAGE---------- 26 GA	24 GA
1000	1.0000			1000.00	
2000	1.0000			2000.00	
3000	1.0000			3000.00	

WORKSHEET
FACILITY TYPE: COPPER CABLE

DATE = 22-Sep-94
TIME= 10:45 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

LOOP LENGTH IN FEET AND DESIGN	TYPE OF CABLE PLANT	MATRIX 2 RELATIVE MIX OF CABLE TYPES	MATRIX 3 LOOP LENGTH BY TYPE OF PLANT	MATRIX 4 CABLE INVESTMENT PER PAIR FOOT	MATRIX 5 CABLE INVESTMENT PER PAIR	MATRIX 6 WEIGHTED TERMINAL INVESTMENT	MATRIX 7 AIR DRYER INVESTMENT PER PAIR	MATRIX 8 DROP WIRE ADJUSTMENT PER PAIR	MATRIX 9 WEIGHTED DROP WIRE ADJUSTMENT PER PAIR
7000.00	AERIAL								

26 GAUGE COPPER CABLE BURIED UNDERGRND

1.000000

AERIAL DROP INV.=
BURIED DROP INV.=
INTRA BLDG CBLE =
BLDG ENTR. CBLE =

PROB. AERIAL TERM.=
AERIAL TERM INV=
PROB. BURIED TERM.=
BURIED TERM INV=
POLE LINE FACTOR =
POLE LINE INVESTMENT
(TOTAL AER CA INV x FACTOR)

UG CONDUIT FACTOR =
CONDUIT INVESTMENT =
(TOTAL UG CA INV x FACTOR)

PROB. OF AERIAL DROP=
PROB. OF BURIED DROP=
PROB IBC =
PROB BEC =
INVESTMENT PER PAIR IN CENTRAL OFFICE
CONNECTORS =
MISC. COMMON EQPT. & POWER FACTOR (377C)=
MCE&P INVESTMENT (CO CONN x FACTOR) =
MFT INVESTMENT =
MFT PROBABILITY OF OCCURRENCE =
TOTAL MFT INVESTMENT = (NOTE 5)
MISC. COMMON EQPT. & POWER FACTOR (57C)=
MCE&P INVESTMENT (MFT x FACTOR) =
LAND FACTOR =
LAND NVST (CO CONN+MCE&P+MFT INV+MEC&P) x FACTOR =
BUILDING FACTOR =
BLDG NVST (CO CONN+MCE&P+MFT INV+MEC&P) x FACTOR =

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: MATRIX 8 = MATRIX 5 x DROP WIRE ADJUSTMENT
NOTE 3: MATRIX 6 & 9 = INVESTMENT x PROBABILITY OF OCCURENCE.
NOTE 4: MATRIX 2 & 4 DEVELOPMENT SHOWN ON WORKSHEET C (#5,#6).
NOTE 5: IF LOOP LENGTH IS < 9000 FT. = MFT INVESTMENT x PROBABILITY OF OCCURRENCE
IF LOOP LENGTH IS > 8999 FT. = MFT INVESTMENT

FACILITY TYPE: COPPER CABLE 5A-1 EQV.
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 7000
TIME= 10:45 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

(a)	(b)	(c)	1990 UNIT INVESTMENTS (d)	(e)		1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY EXCL. UTILIZATION (f)	(g)	(h)	1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY INCL. UTILIZATION (i)	(j)
PLANT ITEM	USOA CODE	FIXED VARI SUNK	LOOP TERM EQUIP	LINE HAUL EQUIP	CIRCUIT QUANTITY	LOOP TERM EQUIP	LINE HAUL EQUIP	LINE FILL	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111	V			1			1.00		
BUILDING	2121	V			1			1.00		
BLDG ENTRANCE CBLE	2421	V			1			1.00		
INTRABLDG CABLE	2421	V			1			1.00		
AERIAL CABLE	2421	V			1			0.70		
TERM INV	2421	V			1			0.70		
AIR DRYER	2421	V			1			0.70		
DROP WIRE	2421	V			1			0.70		
BURIED CABLE	2423	V			1			0.70		
TERM INV	2423	V			1			0.70		
AIR DRYER	2423	V			1			0.70		
DROP WIRE	2423	V			1			0.70		
UNDERGROUND CABLE	2422	V			1			0.70		
AIR DRYER	2422	V			1			0.70		
DROP WIRE	2422	V			1			0.70		
CO EQPT - ESS	2212	V			1			0.70		
MCE&P - CO	2212	V			1			0.70		
CO EQPT - MFT	2212	V			1			1.00		
MCE&P - MFT	2212	V			1			1.00		
POLE LINE	2411	V			1			0.70		
CONDUIT	2441	V			1			0.70		

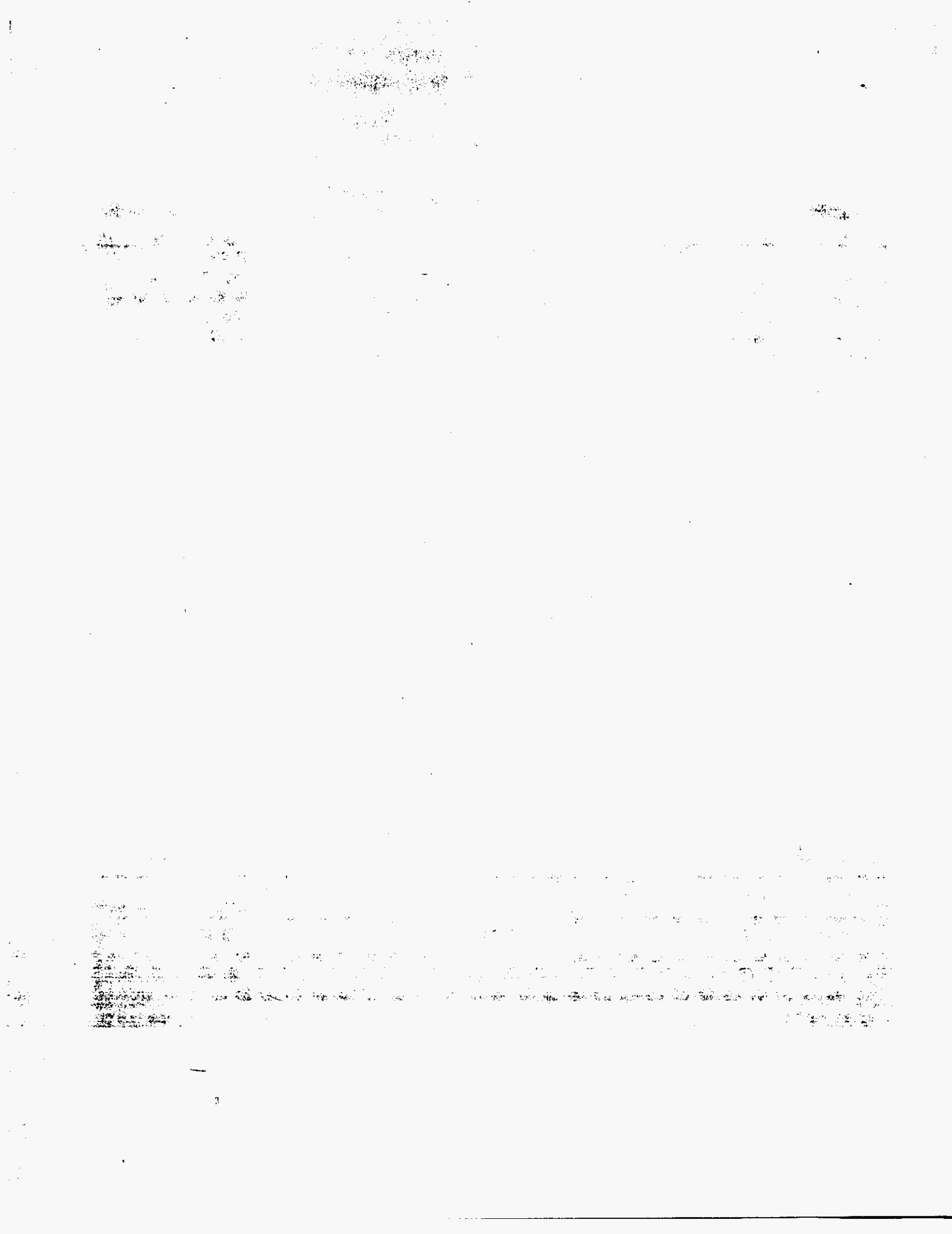
NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: DROP WIRE = MATRIX 8 + MATRIX 9

FACILITY TYPE: COPPER CABLE 58 EQV.
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 7000
TIME= 10:45 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 UNIT INVESTMENTS			1990 TOTAL ANNUAL COSTS		1990 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	ANNUAL COST FACTOR	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111			12.0000				
BUILDING	2121			12.0000				
BLDG ENTRANCE CBLE	2421			12.0000				
INTRABLDG CABLE	2421			12.0000				
AERIAL CABLE (COPPER)	2421			12.0000				
BURIED CABLE (COPPER)	2423			12.0000				
UNDRGRND CBL (COPPER)	2422			12.0000				
CO EQPT - P GAIN	2211			12.0000				
CO EQPT - ESS	2212			12.0000				
MCE&P - CO	2212			12.0000				
CO EQPT - MFT	2212			12.0000				
MCE&P - MFT	2212			12.0000				
AERIAL CABLE (FIBER)	2421			12.0000				
BURIED CABLE (FIBER)	2423			12.0000				
UNDRGRND CABLE (FIBER	2422			12.0000				
POLE LINE	2411			12.0000				
CONDUIT	2441			12.0000				
SUBTOTALS	$							
TOTALS								

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: CO EQPT - ESS = CONNECTORS + MISC. CP&E.



FACILITY TYPE: COPPER CABLE 5D EQV.
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 7000
TIME= 10:45 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 TOTAL ANNUAL COSTS		1990 TOTAL MONTHLY COSTS			1993 TOTAL ANNUAL COSTS		1993 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	1990 TO 1993 TPI	(g)	(h)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP		LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111					1.0000				
BUILDING	2121					1.0830				
BLDG ENTRANCE CBLE	2421					1.0020				
INTRABLDG CABLE	2421					0.9920				
AERIAL CABLE (COPPER)	2421					1.0020				
BURIED CABLE (COPPER)	2423					1.0180				
UNDRGRND CBL (COPPER)	2422					0.9920				
CO EQPT - P GAIN	2211									
CO EQPT - ESS	2212	1				0.8890				
MCE&P - CO	2212					0.8890				
CO EQPT - MFT	2212					1.0690				
MCE&P - MFT	2212					1.0690				
AERIAL CABLE (FIBER)	2421									
BURIED CABLE (FIBER)	2423									
UNDRGRND CBL (FIBER)	2422									
POLE LINE	2411					1.0910				
CONDUIT	2441					1.0250				
SUBTOTALS		$								
TOTALS										

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.

WORKSHEET C

DATE = 22-Sep-94
TIME= 10:45 AM
WEIGHTING DEVELOPMENT OF GAUGES FOR COPPER TECHNOLOGY
SERVICE CLASS= LIAL-NONINTEGRATED
LOOP LENGTH (FEET) = 7000.00

DESC.	(A) DTC	(B) PFI	(C) % OF OCCURENCE	(D=A*C) ADJ. DTC	(B*C) ADJ. PFI
PBA26			1.000000	0.132308	0.043627
PBB26			1.000000	0.691954	0.030047
PBU26			1.000000	0.175738	0.022545
PBA24					
PBB24					
PBU24					
PBA22					
PBB22					
PBU22					
Total=	3.000000		Total= 3.00	Tot = 1.000000	

-------MATRIX 2-------- MELDED DISTRIBUTION TO CODE		-------MATRIX 4------- MELDED PAIR FOOT INVESTMENT	
AERIAL	#5	AERIAL	#6
BURIED	#5	BURIED	#6
UNDERG	#5	UNDERG	#6
Total = 1.000000			

THEORETICAL RESISTANCE DESIGN

FOOTAGES	----------PERCENTAGE---------- 26 GA	24 GA	22 GA	----------FOOTAGE---------- 26 GA	24 GA
1000	1.0000			1000.00	
2000	1.0000			2000.00	
3000	1.0000			3000.00	

WORKSHEET
FACILITY TYPE: COPPER CABLE

DATE = 22-Sep-94
TIME= 10:46 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

LOOP LENGTH IN FEET AND DESIGN	TYPE OF CABLE PLANT	MATRIX 2 RELATIVE MIX OF CABLE TYPES	MATRIX 3 LOOP LENGTH BY TYPE OF PLANT	MATRIX 4 CABLE INVESTMENT PER PAIR FOOT	MATRIX 5 CABLE INVESTMENT PER PAIR	MATRIX 6 WEIGHTED TERMINAL INVESTMENT	MATRIX 7 AIR DRYER INVESTMENT PER PAIR	MATRIX 8 DROP WIRE ADJUSTMENT PER PAIR	MATRIX 9 WEIGHTED DROP WIRE ADJUSTMENT PER PAIR
8000.00	AERIAL	(							

26 GAUGE COPPER CABLE	BURIED	0
	UNDERGRND	0
		1.000000

AERIAL DROP INV.=
BURIED DROP INV.=
INTRA BLDG CBLE =
BLDG ENTR. CBLE =

PROB. AERIAL TERM.=
AERIAL TERM INV=
PROB. BURIED TERM.=
BURIED TERM INV=
POLE LINE FACTOR =
POLE LINE INVESTMENT
(TOTAL AER CA INV x FACTOR)

UG CONDUIT FACTOR =
CONDUIT INVESTMENT =
(TOTAL UG CA INV x FACTOR)

PROB. OF AERIAL DROP=
PROB. OF BURIED DROP=
PROB IBC =
PROB BEC =
INVESTMENT PER PAIR IN CENTRAL OFFICE
CONNECTORS =
MISC. COMMON EQPT. & POWER FACTOR (377C)=
MCE&P INVESTMENT (CO CONN x FACTOR) =
MFT INVESTMENT =
MFT PROBABILITY OF OCCURRENCE =
TOTAL MFT INVESTMENT = (NOTE 5)
MISC. COMMON EQPT. & POWER FACTOR (57C)=
MCE&P INVESTMENT (MFT x FACTOR) =
LAND FACTOR =
LAND NVST (CO CONN+MCE&P+MFT INV+MEC&P) x FACTOR =
BUILDING FACTOR =
BLDG NVST (CO CONN+MCE&P+MFT INV+MEC&P) x FACTOR =

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: MATRIX 8 = MATRIX 5 x DROP WIRE ADJUSTMENT
NOTE 3: MATRIX 6 & 9 = INVESTMENT x PROBABILITY OF OCCURENCE.
NOTE 4: MATRIX 2 & 4 DEVELOPMENT SHOWN ON WORKSHEET C (#5,#6).
NOTE 5: IF LOOP LENGTH IS < 9000 FT. = MFT INVESTMENT x PROBABILITY OF OCCURRENCE
IF LOOP LENGTH IS > 8999 FT. = MFT INVESTMENT

FACILITY TYPE: COPPER CABLE 5A-1 EQV.
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 8000
TIME= 10:46 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

(a)	(b)	(c)	1990 UNIT INVESTMENTS (d)	(e)	(f)	1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY EXCL. UTILIZATION (g)	(h)	1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY INCL. UTILIZATION (i)	(j)
PLANT ITEM	USOA CODE	FIXED VARI SUNK	LOOP TERM EQUIP	LINE HAUL EQUIP	CIRCUIT QUANTITY	LOOP TERM EQUIP	LINE FILL	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111	V			1		1.00		
BUILDING	2121	V			1		1.00		
BLDG ENTRANCE CBLE	2421	V			1		1.00		
INTRABLDG CABLE	2421	V			1		1.00		
AERIAL CABLE	2421	V			1		0.70		
TERM INV	2421	V			1		0.70		
AIR DRYER	2421	V			1		0.70		
DROP WIRE	2421	V			1		0.70		
BURIED CABLE	2423	V			1		0.70		
TERM INV	2423	V			1		0.70		
AIR DRYER	2423	V			1		0.70		
DROP WIRE	2423	V			1		0.70		
UNDERGROUND CABLE	2422	V			1		0.70		
AIR DRYER	2422	V			1		0.70		
DROP WIRE	2422	V			1		0.70		
CO EQPT - ESS	2212	V			1		0.70		
MCE&P - CO	2212	V			1		0.70		
CO EQPT - MFT	2212	V			1		1.00		
MCE&P - MFT	2212	V			1		1.00		
POLE LINE	2411	V			1		0.70		
CONDUIT	2441	V			1		0.70		

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: DROP WIRE = MATRIX 8 + MATRIX 9

FACILITY TYPE: COPPER CABLE 58 EQV.
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 8000
TIME= 10:46 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 UNIT INVESTMENTS			1990 TOTAL ANNUAL COSTS		1990 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	ANNUAL COST FACTOR	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111			12.0000				
BUILDING	2121			12.0000				
BLDG ENTRANCE CBLE	2421			12.0000				
INTRABLDG CABLE	2421			12.0000				
AERIAL CABLE (COPPER)	2421			12.0000				
BURIED CABLE (COPPER)	2423			12.0000				
UNDRGRND CBL (COPPER)	2422			12.0000				
CO EQPT - P GAIN	2211			12.0000				
CO EQPT - ESS	2212			12.0000				
MCE&P - CO	2212			12.0000				
CO EQPT - MFT	2212			12.0000				
MCE&P - MFT	2212			12.0000				
AERIAL CABLE (FIBER)	2421			12.0000				
BURIED CABLE (FIBER)	2423			12.0000				
UNDRGRND CABLE (FIBER	2422			12.0000				
POLE LINE	2411			12.0000				
CONDUIT	2441			12.0000				
SUBTOTALS								
TOTALS								

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: CO EQPT - ESS = CONNECTORS + MISC. CP&E.

FACILITY TYPE: COPPER CABLE 50 EQV.
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 8000
TIME= 10:46 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 TOTAL ANNUAL COSTS		1990 TOTAL MONTHLY COSTS			1993 TOTAL ANNUAL COSTS		1993 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	1990 TO 1993 TPI	(g)	(h)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP		LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111					1.0000				
BUILDING	2121					1.0830				
BLDG ENTRANCE CBLE	2421					1.0020				
INTRABLDG CABLE	2421					0.9920				
AERIAL CABLE (COPPER)	2421					1.0020				
BURIED CABLE (COPPER)	2423					1.0180				
UNDRGRND CBL (COPPER)	2422					0.9920				
CO EQPT - P GAIN	2211									
CO EQPT - ESS	2212					0.8890				
MCE&P - CO	2212					0.8890				
CO EQPT - MFT	2212					1.0690				
MCE&P - MFT	2212					1.0690				
AERIAL CABLE (FIBER)	2421									
BURIED CABLE (FIBER)	2423									
UNDRGRND CBL (FIBER)	2422									
POLE LINE	2411					1.0910				
CONDUIT	2441					1.0250				
SUBTOTALS		$								
TOTALS										

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.

WORKSHEET C

DATE = 22-Sep-94

TIME= 10:46 AM

WEIGHTING DEVELOPMENT OF GAUGES FOR COPPER TECHNOLOGY

SERVICE CLASS= LIAL-NONINTEGRATED

LOOP LENGTH (FEET) = 8000.00

DESC.	(A) DTC	(B) PFI	(C) % OF OCCURENCE	(D=A*C) ADJ. DTC	(B*C) ADJ. PFI
PBA26			1.000000		
PBB26			1.000000		
PBU26			1.000000		
PBA24					
PBB24					
PBU24					
PBA22					
PBB22					
PBU22					
Total=	3.000000		Total= 3.00	Tot = 1.000000	

-------MATRIX 2-------- MELDED DISTRIBUTION TO CODE		-------MATRIX 4------- MELDED PAIR FOOT INVESTMENT	
AERIAL	#5	AERIAL	#6
BURIED	#5	BURIED	#6
UNDERG	#5	UNDERG	#6
Total = 1.000000			

THEORETICAL RESISTANCE DESIGN

FOOTAGES	----------PERCENTAGE---------- 26 GA	24 GA	22 GA	----------FOOTAGE---------- 26 GA	24 GA
1000	1.0000			1000.00	
2000	1.0000			2000.00	
3000	1.0000			3000.00	

WORKSHEET
FACILITY TYPE: COPPER CABLE

DATE = 22-Sep-94
TIME= 10:47 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

LOOP LENGTH IN FEET AND DESIGN	TYPE OF CABLE PLANT	MATRIX 2 RELATIVE MIX OF CABLE TYPES	MATRIX 3 LOOP LENGTH BY TYPE OF PLANT	MATRIX 4 CABLE INVESTMENT PER PAIR FOOT	MATRIX 5 CABLE INVESTMENT PER PAIR	MATRIX 6 WEIGHTED TERMINAL INVESTMENT	MATRIX 7 AIR DRYER INVESTMENT PER PAIR	MATRIX 8 DROP WIRE ADJUSTMENT PER PAIR	MATRIX 9 WEIGHTED DROP WIRE ADJUSTMENT PER PAIR
9000.00	AERIAL								

26 GAUGE COPPER CABLE	BURIED UNDERGRND	
		1.000000

AERIAL DROP INV.=
BURIED DROP INV.=
INTRA BLDG CBLE =
BLDG ENTR. CBLE =

PROB. AERIAL TERM.=
AERIAL TERM INV=
PROB. BURIED TERM.=
BURIED TERM INV=
POLE LINE FACTOR =
POLE LINE INVESTMENT
(TOTAL AER CA INV x FACTOR)

UG CONDUIT FACTOR =
CONDUIT INVESTMENT =
(TOTAL UG CA INV x FACTOR)

PROB. OF AERIAL DROP=
PROB. OF BURIED DROP=
PROB IBC =
PROB BEC =
INVESTMENT PER PAIR IN CENTRAL OFFICE
CONNECTORS =
MISC. COMMON EQPT. & POWER FACTOR (377C)=
MCE&P INVESTMENT (CO CONN x FACTOR) =
MFT INVESTMENT =
MFT PROBABILITY OF OCCURRENCE =
TOTAL MFT INVESTMENT = (NOTE 5)
MISC. COMMON EQPT. & POWER FACTOR (57C)=
MCE&P INVESTMENT (MFT x FACTOR) =
LAND FACTOR =
LAND NVST (CO CONN+MCE&P+MFT INV+MEC&P) x FACTOR =
BUILDING FACTOR =
BLDG NVST (CO CONN+MCE&P+MFT INV+MEC&P) x FACTOR =

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: MATRIX 8 = MATRIX 5 x DROP WIRE ADJUSTMENT
NOTE 3: MATRIX 6 & 9 = INVESTMENT x PROBABILITY OF OCCURENCE.
NOTE 4: MATRIX 2 & 4 DEVELOPMENT SHOWN ON WORKSHEET C (#5,#6).
NOTE 5: IF LOOP LENGTH IS < 9000 FT. = MFT INVESTMENT x PROBABILITY OF OCCURRENCE
IF LOOP LENGTH IS > 8999 FT. = MFT INVESTMENT

FACILITY TYPE: COPPER CABLE 5A-1 EQV.
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 9000
TIME= 10:47 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

(a)	(b)	(c)	1990 UNIT INVESTMENTS (d)	(e)		1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY EXCL. UTILIZATION (f)	(g)	(h)	1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY INCL. UTILIZATION (i)	(j)
PLANT ITEM	USOA CODE	FIXED VARI SUNK	LOOP TERM EQUIP	LINE HAUL EQUIP	CIRCUIT QUANTITY	LOOP TERM EQUIP	LINE HAUL EQUIP	LINE FILL	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111	V			1			1.00		
BUILDING	2121	V			1			1.00		
BLDG ENTRANCE CBLE	2421	V			1			1.00		
INTRABLDG CABLE	2421	V			1			1.00		
AERIAL CABLE	2421	V			1			0.70		
TERM INV	2421	V			1			0.70		
AIR DRYER	2421	V			1			0.70		
DROP WIRE	2421	V			1			0.70		
BURIED CABLE	2423	V			1			0.70		
TERM INV	2423	V			1			0.70		
AIR DRYER	2423	V			1			0.70		
DROP WIRE	2423	V			1			0.70		
UNDERGROUND CABLE	2422	V			1			0.70		
AIR DRYER	2422	V			1			0.70		
DROP WIRE	2422	V			1			0.70		
CO EQPT - ESS	2212	V			1			0.70		
MCE&P - CO	2212	V			1			0.70		
CO EQPT - MFT	2212	V			1			1.00		
MCE&P - MFT	2212	V			1			1.00		
POLE LINE	2411	V			1			0.70		
CONDUIT	2441	V			1			0.70		

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: DROP WIRE = MATRIX 8 + MATRIX 9

FACILITY TYPE: COPPER CABLE 5B EQV.
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 9000
TIME= 10:47 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

(a)	(b)	1990 UNIT INVESTMENTS (c)	(d)	(e)	1990 TOTAL ANNUAL COSTS (f)	(g)	1990 TOTAL MONTHLY COSTS (i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	ANNUAL COST FACTOR	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111			12.0000				
BUILDING	2121			12.0000				
BLDG ENTRANCE CBLE	2421			12.0000				
INTRABLDG CABLE	2421			12.0000				
AERIAL CABLE (COPPER)	2421			12.0000				
BURIED CABLE (COPPER)	2423			12.0000				
UNDRGRND CBL (COPPER)	2422			12.0000				
CO EQPT - P GAIN	2211			12.0000				
CO EQPT - ESS	2212			12.0000				
MCE&P - CO	2212			12.0000				
CO EQPT - MFT	2212			12.0000				
MCE&P - MFT	2212			12.0000				
AERIAL CABLE (FIBER)	2421			12.0000				
BURIED CABLE (FIBER)	2423			12.0000				
UNDRGRND CABLE (FIBER	2422			12.0000				
POLE LINE	2411			12.0000				
CONDUIT	2441			12.0000				
SUBTOTALS		$					$	
TOTALS								

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: CO EQPT - ESS = CONNECTORS + MISC. CP&E.

FACILITY TYPE: COPPER CABLE 5D EQV.
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 9000
TIME= 10:47 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 TOTAL ANNUAL COSTS		1990 TOTAL MONTHLY COSTS			1993 TOTAL ANNUAL COSTS		1993 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	1990 TO 1993 TPI	(g)	(h)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP		LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111					1.0000				
BUILDING	2121					1.0830				
BLDG ENTRANCE CBLE	2421					1.0020				
INTRABLDG CABLE	2421					0.9920				
AERIAL CABLE (COPPER)	2421					1.0020				
BURIED CABLE (COPPER)	2423					1.0180				
UNDRGRND CBL (COPPER)	2422					0.9920				
CO EQPT - P GAIN	2211									
CO EQPT - ESS	2212					0.8890				
MCE&P - CO	2212					0.8890				
CO EQPT - MFT	2212					1.0690				
MCE&P - MFT	2212					1.0690				
AERIAL CABLE (FIBER)	2421									
BURIED CABLE (FIBER)	2423									
UNDRGRND CBL (FIBER)	2422									
POLE LINE	2411					1.0910				
CONDUIT	2441					1.0250				
SUBTOTALS										
TOTALS										

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.

WORKSHEET C

DATE = 22-Sep-94

TIME= 10:47 AM

WEIGHTING DEVELOPMENT OF GAUGES FOR COPPER TECHNOLOGY

SERVICE CLASS= LIAL-NONINTEGRATED

LOOP LENGTH (FEET) = 9000.00

DESC.	(A) DTC	(B) PFI	(C) % OF OCCURENCE	(D=A*C) ADJ. DTC	(B*C) ADJ. PFI
PBA26			1.000000		
PBB26			1.000000		
PBU26			1.000000		
PBA24					
PBB24					
PBU24					
PBA22					
PBB22					
PBU22					
Total=	3.000000		Total= 3.00	Tot = 1.000000	

MATRIX 2 MELDED DISTRIBUTION TO CODE		MATRIX 4 MELDED PAIR FOOT INVESTMENT	
AERIAL	#5	AERIAL	#6
BURIED	#5	BURIED	#6
UNDERG	#5	UNDERG	#6
Total =	1.000000		

THEORETICAL RESISTANCE DESIGN

FOOTAGES	PERCENTAGE 26 GA	24 GA	22 GA	FOOTAGE 26 GA	24 GA
1000	1.0000			1000.00	
2000	1.0000			2000.00	
3000	1.0000			3000.00	

WORKSHEET
FACILITY TYPE: COPPER CABLE

DATE = 22-Sep-94
TIME= 10:48 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

LOOP LENGTH IN FEET AND DESIGN	TYPE OF CABLE PLANT	MATRIX 2 RELATIVE MIX OF CABLE TYPES	MATRIX 3 LOOP LENGTH BY TYPE OF PLANT	MATRIX 4 CABLE INVESTMENT PER PAIR FOOT	MATRIX 5 CABLE INVESTMENT PER PAIR	MATRIX 6 WEIGHTED TERMINAL INVESTMENT	MATRIX 7 AIR DRYER INVESTMENT PER PAIR	MATRIX 8 DROP WIRE ADJUSTMENT PER PAIR	MATRIX 9 WEIGHTED DROP WIRE ADJUSTMENT PER PAIR
10000.00	AERIAL								

26 GAUGE COPPER CABLE BURIED UNDERGRND

1.000000

AERIAL DROP INV.=
BURIED DROP INV.=
INTRA BLDG CBLE =
BLDG ENTR. CBLE =

PROB. AERIAL TERM.=
AERIAL TERM INV=
PROB. BURIED TERM.=
BURIED TERM INV=
POLE LINE FACTOR =
POLE LINE INVESTMENT
(TOTAL AER CA INV x FACTOR)

UG CONDUIT FACTOR =
CONDUIT INVESTMENT =
(TOTAL UG CA INV x FACTOR)

PROB. OF AERIAL DROP=
PROB. OF BURIED DROP=
PROB IBC =
PROB BEC =
INVESTMENT PER PAIR IN CENTRAL OFFICE
CONNECTORS =
MISC. COMMON EQPT. & POWER FACTOR (377C)=
MCE&P INVESTMENT (CO CONN x FACTOR) =
MFT INVESTMENT =
MFT PROBABILITY OF OCCURRENCE =
TOTAL MFT INVESTMENT = (NOTE 5)
MISC. COMMON EQPT. & POWER FACTOR (57C)=
MCE&P INVESTMENT (MFT x FACTOR) =
LAND FACTOR =
LAND NVST (CO CONN+MCE&P+MFT INV+MEC&P) x FACTOR =
BUILDING FACTOR =
BLDG NVST (CO CONN+MCE&P+MFT INV+MEC&P) x FACTOR =

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: MATRIX 8 = MATRIX 5 x DROP WIRE ADJUSTMENT
NOTE 3: MATRIX 6 & 9 = INVESTMENT x PROBABILITY OF OCCURENCE.
NOTE 4: MATRIX 2 & 4 DEVELOPMENT SHOWN ON WORKSHEET C (#5,#6).
NOTE 5: IF LOOP LENGTH IS < 9000 FT. = MFT INVESTMENT x PROBABILITY OF OCCURRENCE
IF LOOP LENGTH IS > 8999 FT. = MFT INVESTMENT

FACILITY TYPE: COPPER CABLE 5A-1 EQV.
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 10000
TIME= 10:48 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

(a)	(b)	(c)	1990 UNIT INVESTMENTS (d)	(e)		1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY EXCL. UTILIZATION (f)	(g)	(h)	1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY INCL. UTILIZATION (i)	(j)
PLANT ITEM	USOA CODE	FIXED VARI SUNK	LOOP TERM EQUIP	LINE HAUL EQUIP	CIRCUIT QUANTITY	LOOP TERM EQUIP	LINE HAUL EQUIP	LINE FILL	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111	V			1			1.00		
BUILDING	2121	V			1			1.00		
BLDG ENTRANCE CBLE	2421	V			1			1.00		
INTRABLDG CABLE	2421	V			1			1.00		
AERIAL CABLE	2421	V			1			0.70		
TERM INV	2421	V			1			0.70		
AIR DRYER	2421	V			1			0.70		
DROP WIRE	2421	V			1			0.70		
BURIED CABLE	2423	V			1			0.70		
TERM INV	2423	V			1			0.70		
AIR DRYER	2423	V			1			0.70		
DROP WIRE	2423	V			1			0.70		
UNDERGROUND CABLE	2422	V			1			0.70		
AIR DRYER	2422	V			1			0.70		
DROP WIRE	2422	V			1			0.70		
CO EQPT - ESS	2212	V			1			0.70		
MCE&P - CO	2212	V			1			0.70		
CO EQPT - MFT	2212	V			1			1.00		
MCE&P - MFT	2212	V			1			1.00		
POLE LINE	2411	V			1			0.70		
CONDUIT	2441	V			1			0.70		

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: DROP WIRE = MATRIX 8 + MATRIX 9

FACILITY TYPE: COPPER CABLE 58 EQV.
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 10000
TIME= 10:48 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 UNIT INVESTMENTS			1990 TOTAL ANNUAL COSTS		1990 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	ANNUAL COST FACTOR	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111			12.0000				
BUILDING	2121			12.0000				
BLDG ENTRANCE CBLE	2421			12.0000				
INTRABLDG CABLE	2421			12.0000				
AERIAL CABLE (COPPER)	2421			12.0000				
BURIED CABLE (COPPER)	2423			12.0000				
UNDRGRND CBL (COPPER)	2422			12.0000				
CO EQPT - P GAIN	2211			12.0000				
CO EQPT - ESS	2212			12.0000				
MCE&P - CO	2212			12.0000				
CO EQPT - MFT	2212			12.0000				
MCE&P - MFT	2212			12.0000				
AERIAL CABLE (FIBER)	2421			12.0000				
BURIED CABLE (FIBER)	2423			12.0000				
UNDRGRND CABLE (FIBER	2422			12.0000				
POLE LINE	2411			12.0000				
CONDUIT	2441			12.0000				
SUBTOTALS								
TOTALS								

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: CO EQPT - ESS = CONNECTORS + MISC. CP&E.

FACILITY TYPE: COPPER CABLE 50 EQV.
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 10000
TIME= 10:48 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 TOTAL ANNUAL COSTS		1990 TOTAL MONTHLY COSTS			1993 TOTAL ANNUAL COSTS		1993 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	1990 TO 1993 TPI	(g)	(h)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP		LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111					1.0000				
BUILDING	2121					1.0830				
BLDG ENTRANCE CBLE	2421					1.0020				
INTRABLDG CABLE	2421					0.9920				
AERIAL CABLE (COPPER)	2421					1.0020				
BURIED CABLE (COPPER)	2423					1.0180				
UNDRGRND CBL (COPPER)	2422					0.9920				
CO EQPT - P GAIN	2211									
CO EQPT - ESS	2212	1				0.8890				
MCE&P - CO	2212					0.8890				
CO EQPT - MFT	2212					1.0690				
MCE&P - MFT	2212					1.0690				
AERIAL CABLE (FIBER)	2421									
BURIED CABLE (FIBER)	2423									
UNDRGRND CBL (FIBER)	2422									
POLE LINE	2411					1.0910				
CONDUIT	2441					1.0250				
SUBTOTALS										
TOTALS										

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.

WORKSHEET C

DATE = 22-Sep-94

TIME= 10:48 AM

WEIGHTING DEVELOPMENT OF GAUGES FOR COPPER TECHNOLOGY

SERVICE CLASS= LIAL-NONINTEGRATED

LOOP LENGTH (FEET) = 10000.00

DESC.	(A) DTC	(B) PFI	(C) % OF OCCURENCE	(D=A*C) ADJ. DTC	(B*C) ADJ. PFI
PBA26			1.000000		
PBB26			1.000000		
PBU26			1.000000		
PBA24					
PBB24					
PBU24					
PBA22					
PBB22					
PBU22					
Total=	3.000000		Total= 3.00	Tot = 1.000000	

-------MATRIX 2--------		-------MATRIX 4-------	
MELDED DISTRIBUTION		MELDED PAIR	
TO CODE		FOOT INVESTMENT	
AERIAL	#5	AERIAL	#6
BURIED	#5	BURIED	#6
UNDERG	#5	UNDERG	#6
Total =	1.000000		

THEORETICAL RESISTANCE DESIGN

	----------PERCENTAGE----------			----------FOOTAGE----------	
FOOTAGES	26 GA	24 GA	22 GA	26 GA	24 GA
1000	1.0000			1000.00	
2000	1.0000			2000.00	
3000	1.0000			3000.00	

WORKSHEET
FACILITY TYPE: COPPER CABLE

DATE = 22-Sep-94
TIME= 10:49 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

LOOP LENGTH IN FEET AND DESIGN	TYPE OF CABLE PLANT	MATRIX 2 RELATIVE MIX OF CABLE TYPES	MATRIX 3 LOOP LENGTH BY TYPE OF PLANT	MATRIX 4 CABLE INVESTMENT PER PAIR FOOT	MATRIX 5 CABLE INVESTMENT PER PAIR	MATRIX 6 WEIGHTED TERMINAL INVESTMENT	MATRIX 7 AIR DRYER INVESTMENT PER PAIR	MATRIX 8 DROP WIRE ADJUSTMENT PER PAIR	MATRIX 9 WEIGHTED DROP WIRE ADJUSTMENT PER PAIR
11000.00	AERIAL								

26 GAUGE
COPPER
CABLE

1.000000

AERIAL DROP INV.=
BURIED DROP INV.=
INTRA BLDG CBLE =
BLDG ENTR. CBLE =

PROB. AERIAL TERM.=
AERIAL TERM INV=
PROB. BURIED TERM.=
BURIED TERM INV=
POLE LINE FACTOR =
POLE LINE INVESTMENT
(TOTAL AER CA INV x FACTOR)

UG CONDUIT FACTOR =
CONDUIT INVESTMENT =
(TOTAL UG CA INV x FACTOR)

PROB. OF AERIAL DROP=
PROB. OF BURIED DROP=
PROB IBC =
PROB BEC =
INVESTMENT PER PAIR IN CENTRAL OFFICE
CONNECTORS =
MISC. COMMON EQPT. & POWER FACTOR (377C)=
MCE&P INVESTMENT (CO CONN x FACTOR) =
MFT INVESTMENT =
MFT PROBABILITY OF OCCURRENCE =
TOTAL MFT INVESTMENT = (NOTE 5)
MISC. COMMON EQPT. & POWER FACTOR (57C)=
MCE&P INVESTMENT (MFT x FACTOR) =
LAND FACTOR =
LAND NVST (CO CONN+MCE&P+MFT INV+MEC&P) x FACTOR =
BUILDING FACTOR =
BLDG NVST (CO CONN+MCE&P+MFT INV+MEC&P) x FACTOR =

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: MATRIX 8 = MATRIX 5 x DROP WIRE ADJUSTMENT
NOTE 3: MATRIX 6 & 9 = INVESTMENT x PROBABILITY OF OCCURENCE.
NOTE 4: MATRIX 2 & 4 DEVELOPMENT SHOWN ON WORKSHEET C (#5,#6).
NOTE 5: IF LOOP LENGTH IS < 9000 FT. = MFT INVESTMENT x PROBABILITY OF OCCURRENCE
IF LOOP LENGTH IS > 8999 FT. = MFT INVESTMENT

FACILITY TYPE: COPPER CABLE 5A-1 EQV.
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 11000
TIME= 10:49 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

(a)	(b)	(c)	1990 UNIT INVESTMENTS (d)	(e)		1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY EXCL. UTILIZATION (f)	(g)	(h)	1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY INCL. UTILIZATION (i)	(j)
PLANT ITEM	USOA CODE	FIXED VARI SUNK	LOOP TERM EQUIP	LINE HAUL EQUIP	CIRCUIT QUANTITY	LOOP TERM EQUIP	LINE HAUL EQUIP	LINE FILL	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111	V			1			1.00		
BUILDING	2121	V			1			1.00		
BLDG ENTRANCE CBLE	2421	V			1			1.00		
INTRABLDG CABLE	2421	V			1			1.00		
AERIAL CABLE	2421	V			1			0.70		
TERM INV	2421	V			1			0.70		
AIR DRYER	2421	V			1			0.70		
DROP WIRE	2421	V			1			0.70		
BURIED CABLE	2423	V			1			0.70		
TERM INV	2423	V			1			0.70		
AIR DRYER	2423	V			1			0.70		
DROP WIRE	2423	V			1			0.70		
UNDERGROUND CABLE	2422	V			1			0.70		
AIR DRYER	2422	V			1			0.70		
DROP WIRE	2422	V			1			0.70		
CO EQPT - ESS	2212	V			1			0.70		
MCE&P - CO	2212	V			1			0.70		
CO EQPT - MFT	2212	V			1			1.00		
MCE&P - MFT	2212	V			1			1.00		
POLE LINE	2411	V			1			0.70		
CONDUIT	2441	V			1			0.70		

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: DROP WIRE = MATRIX 8 + MATRIX 9

FACILITY TYPE: COPPER CABLE 58 EQV.
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 11000
TIME= 10:49 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

(a)	(b)	1990 UNIT INVESTMENTS (c)	(d)	(e)	1990 TOTAL ANNUAL COSTS (f)	(g)	1990 TOTAL MONTHLY COSTS (i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	ANNUAL COST FACTOR	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111			12.0000				
BUILDING	2121			12.0000				
BLDG ENTRANCE CBLE	2421			12.0000				
INTRABLDG CABLE	2421			12.0000				
AERIAL CABLE (COPPER)	2421			12.0000				
BURIED CABLE (COPPER)	2423			12.0000				
UNDRGRND CBL (COPPER)	2422			12.0000				
CO EQPT - P GAIN	2211			12.0000				
CO EQPT - ESS	2212			12.0000				
MCE&P - CO	2212			12.0000				
CO EQPT - MFT	2212			12.0000				
MCE&P - MFT	2212			12.0000				
AERIAL CABLE (FIBER)	2421			12.0000				
BURIED CABLE (FIBER)	2423			12.0000				
UNDRGRND CABLE (FIBER	2422			12.0000				
POLE LINE	2411			12.0000				
CONDUIT	2441			12.0000				
SUBTOTALS								
TOTALS								

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: CO EQPT - ESS = CONNECTORS & MISC. CP&E.

FACILITY TYPE: COPPER CABLE 50 EQV.
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 11000
TIME= 10:49 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 TOTAL ANNUAL COSTS		1990 TOTAL MONTHLY COSTS			1993 TOTAL ANNUAL COSTS		1993 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	1990 TO 1993 TPI	(g)	(h)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP		LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111					1.0000				
BUILDING	2121					1.0830				
BLDG ENTRANCE CBLE	2421					1.0020				
INTRABLDG CABLE	2421					0.9920				
AERIAL CABLE (COPPER)	2421					1.0020				
BURIED CABLE (COPPER)	2423					1.0180				
UNDRGRND CBL (COPPER)	2422					0.9920				
CO EQPT - P GAIN	2211									
CO EQPT - ESS	2212					0.8890				
MCE&P - CO	2212					0.8890				
CO EQPT - MFT	2212					1.0690				
MCE&P - MFT	2212					1.0690				
AERIAL CABLE (FIBER)	2421									
BURIED CABLE (FIBER)	2423									
UNDRGRND CBL (FIBER)	2422									
POLE LINE	2411					1.0910				
CONDUIT	2441					1.0250				
SUBTOTALS										
TOTALS										

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.

WORKSHEET C

DATE = 22-Sep-94
TIME= 10:49 AM

WEIGHTING DEVELOPMENT OF GAUGES FOR COPPER TECHNOLOGY
SERVICE CLASS= LIAL-NONINTEGRATED
LOOP LENGTH (FEET) = 11000.00

DESC.	(A) DTC	(B) PFI	(C) % OF OCCURENCE	(D=A*C) ADJ. DTC	(B*C) ADJ. PFI
PBA26			1.000000		
PBB26			1.000000		
PBU26			1.000000		
PBA24					
PBB24					
PBU24					
PBA22					
PBB22					
PBU22					
Total=	3.000000		Total= 3.00	Tot = 1.000000	

.....MATRIX 2..... MELDED DISTRIBUTION TO CODE		.....MATRIX 4..... MELDED PAIR FOOT INVESTMENT	
AERIAL	#5	AERIAL	#6
BURIED	#5	BURIED	#6
UNDERG	#5	UNDERG	#6
Total =	1.000000		

THEORETICAL RESISTANCE DESIGN

FOOTAGES	PERCENTAGE 26 GA	24 GA	22 GA	FOOTAGE 26 GA	24 GA
1000	1.0000			1000.00	
2000	1.0000			2000.00	
3000	1.0000			3000.00	

WORKSHEET
FACILITY TYPE: COPPER CABLE

DATE = 22-Sep-94
TIME= 10:50 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

LOOP LENGTH IN FEET AND DESIGN	TYPE OF CABLE PLANT	MATRIX 2 RELATIVE MIX OF CABLE TYPES	MATRIX 3 LOOP LENGTH BY TYPE OF PLANT	MATRIX 4 CABLE INVESTMENT PER PAIR FOOT	MATRIX 5 CABLE INVESTMENT PER PAIR	MATRIX 6 WEIGHTED TERMINAL INVESTMENT	MATRIX 7 AIR DRYER INVESTMENT PER PAIR	MATRIX 8 DROP WIRE ADJUSTMENT PER PAIR	MATRIX 9 WEIGHTED DROP WIRE ADJUSTMENT PER PAIR
12000.00	AERIAL								

26 GAUGE COPPER CABLE BURIED UNDERGRND

1.000000

AERIAL DROP INV.=
BURIED DROP INV.=
INTRA BLDG CBLE =
BLDG ENTR. CBLE =

PROB. AERIAL TERM.=
AERIAL TERM INV=
PROB. BURIED TERM.=
BURIED TERM INV=
POLE LINE FACTOR =
POLE LINE INVESTMENT
(TOTAL AER CA INV x FACTOR)

UG CONDUIT FACTOR =
CONDUIT INVESTMENT =
(TOTAL UG CA INV x FACTOR)

PROB. OF AERIAL DROP=
PROB. OF BURIED DROP=
PROB IBC =
PROB BEC =
INVESTMENT PER PAIR IN CENTRAL OFFICE
CONNECTORS =
MISC. COMMON EQPT. & POWER FACTOR (377C)=
MCE&P INVESTMENT (CO CONN x FACTOR) =
MFT INVESTMENT =
MFT PROBABILITY OF OCCURRENCE =
TOTAL MFT INVESTMENT = (NOTE 5)
MISC. COMMON EQPT. & POWER FACTOR (57C)=
MCE&P INVESTMENT (MFT x FACTOR) =
LAND FACTOR =
LAND NVST (CO CONN+MCE&P+MFT INV+MEC&P) x FACTOR =
BUILDING FACTOR =
BLDG NVST (CO CONN+MCE&P+MFT INV+MEC&P) x FACTOR =

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: MATRIX 8 = MATRIX 5 x DROP WIRE ADJUSTMENT
NOTE 3: MATRIX 6 & 9 = INVESTMENT x PROBABILITY OF OCCURENCE.
NOTE 4: MATRIX 2 & 4 DEVELOPMENT SHOWN ON WORKSHEET C (#5,#6).
NOTE 5: IF LOOP LENGTH IS < 9000 FT. = MFT INVESTMENT x PROBABILITY OF OCCURRENCE
IF LOOP LENGTH IS > 8999 FT. = MFT INVESTMENT

FACILITY TYPE: COPPER CABLE 5A-1 EQV.
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 12000
TIME= 10:50 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

			1990 UNIT INVESTMENTS			1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY EXCL. UTILIZATION			1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY INCL. UTILIZATION	
(a)	(b)	(c)	(d)	(e)		(f)	(g)	(h)	(i)	(j)
PLANT ITEM	USOA CODE	FIXED VARI SUNK	LOOP TERM EQUIP	LINE HAUL EQUIP	CIRCUIT QUANTITY	LOOP TERM EQUIP	LINE HAUL EQUIP	LINE FILL	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111	V			1			1.00		
BUILDING	2121	V			1			1.00		
BLDG ENTRANCE CBLE	2421	V			1			1.00		
INTRABLDG CABLE	2421	V			1			1.00		
AERIAL CABLE	2421	V			1			0.70		
TERM INV	2421	V			1			0.70		
AIR DRYER	2421	V			1			0.70		
DROP WIRE	2421	V			1			0.70		
URIED CABLE	2423	V			1			0.70		
TERM INV	2423	V			1			0.70		
AIR DRYER	2423	V			1			0.70		
DROP WIRE	2423	V			1			0.70		
UNDERGROUND CABLE	2422	V			1			0.70		
AIR DRYER	2422	V			1			0.70		
DROP WIRE	2422	V			1			0.70		
CO EQPT - ESS	2212	V			1			0.70		
MCE&P - CO	2212	V			1			0.70		
CO EQPT - MFT	2212	V			1			1.00		
MCE&P - MFT	2212	V			1			1.00		
POLE LINE	2411	V			1			0.70		
CONDUIT	2441	V			1			0.70		

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: DROP WIRE = MATRIX 8 + MATRIX 9

FACILITY TYPE: COPPER CABLE 58 EQV.
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 12000
TIME= 10:50 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 UNIT INVESTMENTS			1990 TOTAL ANNUAL COSTS		1990 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	ANNUAL COST FACTOR	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111			12.0000				
BUILDING	2121			12.0000				
BLDG ENTRANCE CBLE	2421			12.0000				
INTRABLDG CABLE	2421			12.0000				
AERIAL CABLE (COPPER)	2421			12.0000				
BURIED CABLE (COPPER)	2423			12.0000				
UNDRGRND CBL (COPPER)	2422			12.0000				
CO EQPT - P GAIN	2211			12.0000				
CO EQPT - ESS	2212			12.0000				
MCE&P - CO	2212			12.0000				
CO EQPT - MFT	2212			12.0000				
MCE&P - MFT	2212			12.0000				
AERIAL CABLE (FIBER)	2421			12.0000				
BURIED CABLE (FIBER)	2423			12.0000				
UNDRGRND CABLE (FIBER	2422			12.0000				
POLE LINE	2411			12.0000				
CONDUIT	2441			12.0000				
SUBTOTALS								
TOTALS								

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: CO EQPT - ESS = CONNECTORS + MISC. CP&E.

FACILITY TYPE: COPPER CABLE 5D EQV.
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 12000
TIME= 10:50 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 TOTAL ANNUAL COSTS		1990 TOTAL MONTHLY COSTS			1993 TOTAL ANNUAL COSTS		1993 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	1990 TO 1993 TPI	(g)	(h)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP		LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111					1.0000				
BUILDING	2121					1.0830				
BLDG ENTRANCE CBLE	2421					1.0020				
INTRABLDG CABLE	2421					0.9920				
AERIAL CABLE (COPPER)	2421					1.0020				
BURIED CABLE (COPPER)	2423					1.0180				
UNDRGRND CBL (COPPER)	2422					0.9920				
CO EQPT - P GAIN	2211									
CO EQPT - ESS	2212					0.8890				
MCE&P - CO	2212					0.8890				
CO EQPT - MFT	2212					1.0690				
MCE&P - MFT	2212					1.0690				
AERIAL CABLE (FIBER)	2421									
BURIED CABLE (FIBER)	2423									
UNDRGRND CBL (FIBER)	2422									
POLE LINE	2411					1.0910				
CONDUIT	2441					1.0250				
SUBTOTALS										
TOTALS										

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.

WORKSHEET C

DATE = 22-Sep-94

TIME= 10:50 AM

WEIGHTING DEVELOPMENT OF GAUGES FOR COPPER TECHNOLOGY

SERVICE CLASS= LIAL-NONINTEGRATED

LOOP LENGTH (FEET) = 12000.00

DESC.	(A) DTC	(B) PFI	(C) % OF OCCURENCE	(D=A*C) ADJ. DTC	(B*C) ADJ. PFI
P8A26			1.000000		
P8B26			1.000000		
P8U26			1.000000		
P8A24					
P8B24					
P8U24					
P8A22					
P8B22					
P8U22					
Total=	3.000000		Total= 3.00	Tot = 1.000000	

.....MATRIX 2..... MELDED DISTRIBUTION TO CODE		.....MATRIX 4..... MELDED PAIR FOOT INVESTMENT	
AERIAL	#5	AERIAL	#6
BURIED	#5	BURIED	#6
UNDERG	#5	UNDERG	#6
Total =	1.000000		

THEORETICAL RESISTANCE DESIGN

FOOTAGES	PERCENTAGE 26 GA	24 GA	22 GA	FOOTAGE 26 GA	24 GA
1000	1.0000			1000.00	
2000	1.0000			2000.00	
3000	1.0000			3000.00	

WORKSHEET D

SERVICE CLASS= LIAL-NONINTEGRATED Band Dist. = 5,000 FT.

DATE = 22-Sep-94

TIME= 10:51 AM

DESIGN	DESCRIPTION	(A) 1990 ANNUAL INVEST.	(B) BAND DISTANCE (FEET)	(C) MINIMUM DIST. FOR PAIR GAIN	(D) (B-C)/1000 RATIO	(E) 1990 TOTAL INVEST. 1000 FT FIBER	(F) A+(D*E) W'TD INVEST 1990
	PAIR GAIN ON FIBER :						
1	CO-HUB(NON COLOC.)		5,000	5,000	0.00		
2	CO-HUB(NON COLOC.)		5,000	5,000	0.00		
3	CO-LOCATED HUB/RT		5,000	5,000	0.00		
4	COLOCATED HRT &CP		5,000	5,000	0.00		
5	CO-HUB(NON-COL)		5,000	5,000	0.00		
6	CO-HUB(NON-COL)		5,000	5,000	0.00		
	PAIR GAIN ON COPPER:					1000 FT COPPER	
1	NON COLOCATED RT		5,000	5,000	0.00		

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2	COLOCATED RT		5,000	5,000	0.00		

	DESCRIPTION	(A) 1993 ANNUAL COST	(B) BAND DISTANCE (FEET)	(C) MINIMUM DIST. FOR PAIR GAIN	(D) (B-C)/1000 RATIO	(E) 1993 ANNUAL COSTS 1000 FT FIBER	(F) A+(D*E) W'TD INVEST 1990
	PAIR GAIN ON FIBER :						
1	CO-HUB(NON COLOC.)		5,000	5,000	0.00		
2	CO-HUB(NON COLOC.)		5,000	5,000	0.00		
3	CO-LOCATED HUB/RT		5,000	5,000	0.00		
4	COLOCATED HRT &CP		5,000	5,000	0.00		
5	CO-HUB(NON-COL)		5,000	5,000	0.00		
6	CO-HUB(NON-COL)		5,000	5,000	0.00		
	PAIR GAIN ON COPPER:					1000 FT COPPER	
1	NON COLOCATED RT		5,000	5,000	0.00		
2	COLOCATED RT		5,000	5,000	0.00		

	DESCRIPTION	(A) 1993 MONTHLY COST	(B) BAND DISTANCE (FEET)	(C) MINIMUM DIST. FOR PAIR GAIN	(D) (B-C)/1000 RATIO	(E) 1993 MONTHLY COSTS 1000 FT FIBER	(F) A+(D*E) W'TD INVEST 1990
	PAIR GAIN ON FIBER:						
1	CO-HUB(NON COLOC.)		5,000	5,000	0.00		
2	CO-HUB(NON COLOC.)		5,000	5,000	0.00		
3	CO-LOCATED HUB/RT		5,000	5,000	0.00		
4	COLOCATED HRT &CP		5,000	5,000	0.00		
5	CO-HUB(NON-COL)		5,000	5,000	0.00		
6	CO-HUB(NON-COL)		5,000	5,000	0.00		
	PAIR GAIN ON COPPER:					1000 FT COPPER	

		(A)	(B)	(C)	(D)	(E)	(F)
1	NON COLOCATED RT		5,000	5,000	0.00		
2	COLOCATED RT		5,000	5,000	0.00		

WORKSHEET E
SERVICE CLASS: CIAL-NONINTEGRATED
STATE: Florida
Band Distance = 5,000 FT

DESIGN:	(A) CARRIER TYPE	(B) 1990 TOTAL INVEST.	(C) 1993 TOTAL ANNUAL COST	(D) 1993 TOTAL MONTHLY COST	(E) PROBABILITY OF DESIGN	(F) 1990 INVESTMENT	(G) 1993 ANNUAL COST	(H) 1993 TOTAL MONTHLY COST
	PAIR GAIN ON FIBER TECHNOLOGY							
#1	TERMINAL INVESTMENT • CO-HUB(NON COLOC.) HUB-RT: FIBER RT DISTR (COPPER)							
#2	TERMINAL INVESTMENT • CO-HUB(NON COLOC.) HUB-RT: COPPER RT DISTR (COPPER)							
#3	TERMINAL INVESTMENT • CO-LOCATED HUB/RT RT DISTR (COPPER)							
#4	TERMINAL INVESTMENT • COLOCATED HRT &CP							
#5	TERMINAL INVESTMENT * CO-HUB(NON-COL) HUB-RT: FIBER							
#6	TERMINAL INVESTMENT • CO-HUB(NON-COL) HUB-RT: COPPER							
	SUB TOTAL PROB'S PGAIN FIBER =					TOTAL =		
	PAIR GAIN ON COPPER TECHNOLOGY							
#1	TERMINAL INVESTMENT • NON COLOCATED RT RT DISTR (COPPER)							
#2	• COLOCATED RT TERMINAL INVESTMENT							
	SUB TOTAL PROB'S PGAIN COPPER =					TOTAL =		

NOTES:
1. TERMINAL INVESTMENT INCLUDES APPROPRIATE BUILDING CABLE AND TERMINAL CALCULATIONS
• SEE WORKSHEET D FOR DETAILED EXPLANATION OF THE FIGURES IN COLUMNS B, C, & D.
2. COLUMN B DEVELOPMENT FROM WORKSHEET D.

WORKSHEET D

SERVICE CLASS= LIAL-NONINTEGRATED Band Dist. = 6,000 FT.

DATE = 22-Sep-94

TIME= 10:52 AM

DESIGN	DESCRIPTION	(A) 1990 ANNUAL INVEST.	(B) BAND DISTANCE (FEET)	(C) MINIMUM DIST. FOR PAIR GAIN	(D) (B-C)/1000 RATIO	(E) 1990 TOTAL INVEST. 1000 FT FIBER	(F) A+(D*E) W'TD INVEST 1990
	PAIR GAIN ON FIBER :						
1	CO-HUB(NON COLOC.)		6,000	5,000	1.00		
2	CO-HUB(NON COLOC.)		6,000	5,000	1.00		
3	CO-LOCATED HUB/RT		6,000	5,000	1.00		
4	COLOCATED HRT &CP		6,000	5,000	1.00		
5	CO-HUB(NON-COL)		6,000	5,000	1.00		
6	CO-HUB(NON-COL)		6,000	5,000	1.00		
	PAIR GAIN ON COPPER:					1000 FT COPPER	
1	NON COLOCATED RT		6,000	5,000	1.00		
2	COLOCATED RT		6,000	5,000	1.00		

	DESCRIPTION	(A) 1993 ANNUAL COST	(B) BAND DISTANCE (FEET)	(C) MINIMUM DIST. FOR PAIR GAIN	(D) (B-C)/1000 RATIO	(E) 1993 ANNUAL COSTS 1000 FT FIBER	(F) A+(D*E) W'TD INVEST 1990
	PAIR GAIN ON FIBER :						
1	CO-HUB(NON COLOC.)		6,000	5,000	1.00		
2	CO-HUB(NON COLOC.)		6,000	5,000	1.00		
3	CO-LOCATED HUB/RT		6,000	5,000	1.00		
4	COLOCATED HRT &CP		6,000	5,000	1.00		
5	CO-HUB(NON-COL)		6,000	5,000	1.00		
6	CO-HUB(NON-COL)		6,000	5,000	1.00		
	PAIR GAIN ON COPPER:					1000 FT COPPER	
1	NON COLOCATED RT		6,000	5,000	1.00		
2	COLOCATED RT		6,000	5,000	1.00		

	DESCRIPTION	(A) 1993 MONTHLY COST	(B) BAND DISTANCE (FEET)	(C) MINIMUM DIST. FOR PAIR GAIN	(D) (B-C)/1000 RATIO	(E) 1993 MONTHLY COSTS 1000 FT FIBER	(F) A+(D*E) W'TD INVEST 1990
	PAIR GAIN ON FIBER:						
1	CO-HUB(NON COLOC.)		6,000	5,000	1.00		
2	CO-HUB(NON COLOC.)		6,000	5,000	1.00		
3	CO-LOCATED HUB/RT		6,000	5,000	1.00		
4	COLOCATED HRT &CP		6,000	5,000	1.00		
5	CO-HUB(NON-COL)		6,000	5,000	1.00		
6	CO-HUB(NON-COL)		6,000	5,000	1.00		
	PAIR GAIN ON COPPER:					1000 FT COPPER	
1	NON COLOCATED RT	$565.16	6,000	5,000	1.00		
2	COLOCATED RT	$576.15	6,000	5,000	1.00		

WORKSHEET E
SERVICE CLASS: LIAL-NONINTEGRATED
STATE: Florida
Band Distance = 6,000 FT

DESIGN:	(A) CARRIER TYPE	(B) 1990 TOTAL INVEST.	(C) 1993 TOTAL ANNUAL COST	(D) 1993 TOTAL MONTHLY COST	(E) PROBABILITY OF DESIGN	(F) 1990 INVESTMENT	(G) 1993 ANNUAL COST	(H) 1993 TOTAL MONTHLY COST
	PAIR GAIN ON FIBER TECHNOLOGY							
#1	TERMINAL INVESTMENT • CO-HUB(NON COLOC.) HUB-RT: FIBER RT DISTR (COPPER)							
#2	TERMINAL INVESTMENT • CO-HUB(NON COLOC.) HUB-RT: COPPER RT DISTR (COPPER)							
#3	TERMINAL INVESTMENT • CO-LOCATED HUB/RT RT DISTR (COPPER)							
#4	TERMINAL INVESTMENT • COLOCATED HRT &CP							
#5	TERMINAL INVESTMENT * CO-HUB(NON-COL) HUB-RT: FIBER							
#6	TERMINAL INVESTMENT • CO-HUB(NON-COL) HUB-RT: COPPER							
	SUB TOTAL PROB'S PGAIN FIBER =					TOTAL =		
	PAIR GAIN ON COPPER TECHNOLOGY							
#1	TERMINAL INVESTMENT * NON COLOCATED RT RT DISTR (COPPER)							
#2	• COLOCATED RT TERMINAL INVESTMENT							
	SUB TOTAL PROB'S PGAIN COPPER =					TOTAL =		

NOTES:
1. TERMINAL INVESTMENT INCLUDES APPROPRIATE BUILDING CABLE AND TERMINAL CALCULATIONS
• SEE WORKSHEET D FOR DETAILED EXPLANATION OF THE FIGURES IN COLUMNS B, C, & D.
2. COLUMN B DEVELOPMENT FROM WORKSHEET D.

WORKSHEET D

SERVICE CLASS= LIAL-NONINTEGRATED Band Dist. = 7,000 FT.

DATE = 22-Sep-94

TIME= 10:52 AM

DESIGN	DESCRIPTION	(A) 1990 ANNUAL INVEST.	(B) BAND DISTANCE (FEET)	(C) MINIMUM DIST. FOR PAIR GAIN	(D) (B-C)/1000 RATIO	(E) 1990 TOTAL INVEST. 1000 FT FIBER	(F) A+(D*E) W'TD INVEST 1990
	PAIR GAIN ON FIBER :						
1	CO-HUB(NON COLOC.)		7,000	5,000	2.00		
2	CO-HUB(NON COLOC.)		7,000	5,000	2.00		
3	CO-LOCATED HUB/RT		7,000	5,000	2.00		
4	COLOCATED HRT &CP		7,000	5,000	2.00		
5	CO-HUB(NON-COL)		7,000	5,000	2.00		
6	CO-HUB(NON-COL)		7,000	5,000	2.00		
	PAIR GAIN ON COPPER:					1000 FT COPPER	
1	NON COLOCATED RT		7,000	5,000	2.00		
2	COLOCATED RT		7,000	5,000	2.00		

	DESCRIPTION	(A) 1993 ANNUAL COST	(B) BAND DISTANCE (FEET)	(C) MINIMUM DIST. FOR PAIR GAIN	(D) (B-C)/1000 RATIO	(E) 1993 ANNUAL COSTS 1000 FT FIBER	(F) A+(D*E) W'TD INVEST 1990
	PAIR GAIN ON FIBER :						
1	CO-HUB(NON COLOC.)		7,000	5,000	2.00		
2	CO-HUB(NON COLOC.)		7,000	5,000	2.00		
3	CO-LOCATED HUB/RT		7,000	5,000	2.00		
4	COLOCATED HRT &CP		7,000	5,000	2.00		
5	CO-HUB(NON-COL)		7,000	5,000	2.00		
6	CO-HUB(NON-COL)		7,000	5,000	2.00		
	PAIR GAIN ON COPPER:					1000 FT COPPER	
1	NON COLOCATED RT		7,000	5,000	2.00		
2	COLOCATED RT		7,000	5,000	2.00		

	DESCRIPTION	(A) 1993 MONTHLY COST	(B) BAND DISTANCE (FEET)	(C) MINIMUM DIST. FOR PAIR GAIN	(D) (B-C)/1000 RATIO	(E) 1993 MONTHLY COSTS 1000 FT FIBER	(F) A+(D*E) W'TD INVEST 1990
	PAIR GAIN ON FIBER:						
1	CO-HUB(NON COLOC.)		7,000	5,000	2.00		
2	CO-HUB(NON COLOC.)		7,000	5,000	2.00		
3	CO-LOCATED HUB/RT		7,000	5,000	2.00		
4	COLOCATED HRT &CP		7,000	5,000	2.00		
5	CO-HUB(NON-COL)		7,000	5,000	2.00		
6	CO-HUB(NON-COL)		7,000	5,000	2.00		
	PAIR GAIN ON COPPER:					1000 FT COPPER	
1	NON COLOCATED RT		7,000	5,000	2.00		
2	COLOCATED RT		7,000	5,000	2.00		

WORKSHEET E

SERVICE CLASS: LIAL-NONINTEGRATED

STATE: Florida

Band Distance = 7,000 FT

DESIGN:	(A) CARRIER TYPE	(B) 1990 TOTAL INVEST.	(C) 1993 TOTAL ANNUAL COST	(D) 1993 TOTAL MONTHLY COST	(E) PROBABILITY OF DESIGN	(F) 1990 INVESTMENT	(G) 1993 ANNUAL COST	(H) 1993 TOTAL MONTHLY COST
	PAIR GAIN ON FIBER TECHNOLOGY							
#1	TERMINAL INVESTMENT • CO-HUB(NON COLOC.) HUB-RT: FIBER RT DISTR (COPPER)							
#2	TERMINAL INVESTMENT * CO-HUB(NON COLOC.) HUB-RT: COPPER RT DISTR (COPPER)							
#3	TERMINAL INVESTMENT • CO-LOCATED HUB/RT RT DISTR (COPPER)							
#4	TERMINAL INVESTMENT • COLOCATED HRT &CP							
#5	TERMINAL INVESTMENT • CO-HUB(NON-COL) HUB-RT: FIBER							
#6	TERMINAL INVESTMENT • CO-HUB(NON-COL) HUB-RT: COPPER							
	SUB TOTAL PROB'S PGAIN FIBER =					TOTAL =		
	PAIR GAIN ON COPPER TECHNOLOGY							
#1	TERMINAL INVESTMENT * NON COLOCATED RT RT DISTR (COPPER)							
#2	• COLOCATED RT TERMINAL INVESTMENT							
	SUB TOTAL PROB'S PGAIN COPPER =			0.00		TOTAL =		

NOTES:

1. TERMINAL INVESTMENT INCLUDES APPROPRIATE BUILDING CABLE AND TERMINAL CALCULATIONS
   * SEE WORKSHEET D FOR DETAILED EXPLANATION OF THE FIGURES IN COLUMNS B, C, & D.
2. COLUMN B DEVELOPMENT FROM WORKSHEET D.

WORKSHEET D

SERVICE CLASS= LIAL-NONINTEGRATED Band Dist. = 8,000 FT.

DATE = 22-Sep-94

TIME= 10:53 AM

DESIGN	DESCRIPTION	(A) 1990 ANNUAL INVEST.	(B) BAND DISTANCE (FEET)	(C) MINIMUM DIST. FOR PAIR GAIN	(D) (B-C)/1000 RATIO	(E) 1990 TOTAL INVEST. 1000 FT FIBER	(F) A+(D*E) W'TD INVEST 1990
	PAIR GAIN ON FIBER :						
1	CO-HUB(NON COLOC.)		8,000	5,000	3.00		
2	CO-HUB(NON COLOC.)		8,000	5,000	3.00		
3	CO-LOCATED HUB/RT		8,000	5,000	3.00		
4	COLOCATED HRT &CP		8,000	5,000	3.00		
5	CO-HUB(NON-COL)		8,000	5,000	3.00		
6	CO-HUB(NON-COL)		8,000	5,000	3.00		
	PAIR GAIN ON COPPER:					1000 FT COPPER	
1	NON COLOCATED RT		8,000	5,000	3.00		
2	COLOCATED RT		8,000	5,000	3.00		

	DESCRIPTION	(A) 1993 ANNUAL COST	(B) BAND DISTANCE (FEET)	(C) MINIMUM DIST. FOR PAIR GAIN	(D) (B-C)/1000 RATIO	(E) 1993 ANNUAL COSTS 1000 FT FIBER	(F) A+(D*E) W'TD INVEST 1990
	PAIR GAIN ON FIBER :						
1	CO-HUB(NON COLOC.)		8,000	5,000	3.00		
2	CO-HUB(NON COLOC.)		8,000	5,000	3.00		
3	CO-LOCATED HUB/RT		8,000	5,000	3.00		
4	COLOCATED HRT &CP		8,000	5,000	3.00		
5	CO-HUB(NON-COL)		8,000	5,000	3.00		
6	CO-HUB(NON-COL)		8,000	5,000	3.00		
	PAIR GAIN ON COPPER:					1000 FT COPPER	
1	NON COLOCATED RT		8,000	5,000	3.00		
2	COLOCATED RT		8,000	5,000	3.00		

	DESCRIPTION	(A) 1993 MONTHLY COST	(B) BAND DISTANCE (FEET)	(C) MINIMUM DIST. FOR PAIR GAIN	(D) (B-C)/1000 RATIO	(E) 1993 MONTHLY COSTS 1000 FT FIBER	(F) A+(D*E) W'TD INVEST 1990
	PAIR GAIN ON FIBER:						
1	CO-HUB(NON COLOC.)		8,000	5,000	3.00		
2	CO-HUB(NON COLOC.)		8,000	5,000	3.00		
3	CO-LOCATED HUB/RT		8,000	5,000	3.00		
4	COLOCATED HRT &CP		8,000	5,000	3.00		
5	CO-HUB(NON-COL)		8,000	5,000	3.00		
6	CO-HUB(NON-COL)		8,000	5,000	3.00		
	PAIR GAIN ON COPPER:					1000 FT COPPER	
1	NON COLOCATED RT		8,000	5,000	3.00		
2	COLOCATED RT		8,000	5,000	3.00		

WORKSHEET E
SERVICE CLASS: LIAL-NONINTEGRATED
STATE: Florida
Band Distance = 8,000 FT

DESIGN:	(A) CARRIER TYPE	(B) 1990 TOTAL INVEST.	(C) 1993 TOTAL ANNUAL COST	(D) 1993 TOTAL MONTHLY COST	(E) PROBABILITY OF DESIGN	(F) 1990 INVESTMENT	(G) 1993 ANNUAL COST	(H) 1993 TOTAL MONTHLY COST
	PAIR GAIN ON FIBER TECHNOLOGY							
#1	TERMINAL INVESTMENT • CO-HUB(NON COLOC.) HUB-RT: FIBER RT DISTR (COPPER)							
#2	TERMINAL INVESTMENT • CO-HUB(NON COLOC.) HUB-RT: COPPER RT DISTR (COPPER)							
#3	TERMINAL INVESTMENT • CO-LOCATED HUB/RT RT DISTR (COPPER)							
#4	TERMINAL INVESTMENT • COLOCATED HRT &CP							
#5	TERMINAL INVESTMENT • CO-HUB(NON-COL) HUB-RT: FIBER							
#6	TERMINAL INVESTMENT • CO-HUB(NON-COL) HUB-RT: COPPER							
	SUB TOTAL PROB'S PGAIN FIBER =					TOTAL =		
	PAIR GAIN ON COPPER TECHNOLOGY							
#1	TERMINAL INVESTMENT • NON COLOCATED RT RT DISTR (COPPER)							
#2	• COLOCATED RT TERMINAL INVESTMENT							
	SUB TOTAL PROB'S PGAIN COPPER =			0.00		TOTAL =		

NOTES:
1. TERMINAL INVESTMENT INCLUDES APPROPRIATE BUILDING CABLE AND TERMINAL CALCULATIONS
• SEE WORKSHEET D FOR DETAILED EXPLANATION OF THE FIGURES IN COLUMNS B, C, & D.
2. COLUMN B DEVELOPMENT FROM WORKSHEET D.

WORKSHEET D

SERVICE CLASS= LIAL-NONINTEGRATED Band Dist. = 9,000 FT.

DATE = 22-Sep-94

TIME= 10:53 AM

DESIGN	DESCRIPTION	(A) 1990 ANNUAL INVEST.	(B) BAND DISTANCE (FEET)	(C) MINIMUM DIST. FOR PAIR GAIN	(D) (B-C)/1000 RATIO	(E) 1990 TOTAL INVEST. 1000 FT FIBER	(F) A+(D*E) W'TD INVEST 1990
	PAIR GAIN ON FIBER :						
1	CO-HUB(NON COLOC.)		9,000	5,000	4.00		
2	CO-HUB(NON COLOC.)		9,000	5,000	4.00		
3	CO-LOCATED HUB/RT		9,000	5,000	4.00		
4	COLOCATED HRT &CP		9,000	5,000	4.00		
5	CO-HUB(NON-COL)		9,000	5,000	4.00		
6	CO-HUB(NON-COL)		9,000	5,000	4.00		
	PAIR GAIN ON COPPER:					1000 FT COPPER	
1	NON COLOCATED RT		9,000	5,000	4.00		
2	COLOCATED RT		9,000	5,000	4.00		

	DESCRIPTION	(A) 1993 ANNUAL COST	(B) BAND DISTANCE (FEET)	(C) MINIMUM DIST. FOR PAIR GAIN	(D) (B-C)/1000 RATIO	(E) 1993 ANNUAL COSTS 1000 FT FIBER	(F) A+(D*E) W'TD INVEST 1990
	PAIR GAIN ON FIBER :						
1	CO-HUB(NON COLOC.)		9,000	5,000	4.00		
2	CO-HUB(NON COLOC.)		9,000	5,000	4.00		
3	CO-LOCATED HUB/RT		9,000	5,000	4.00		
4	COLOCATED HRT &CP		9,000	5,000	4.00		
5	CO-HUB(NON-COL)		9,000	5,000	4.00		
6	CO-HUB(NON-COL)		9,000	5,000	4.00		
	PAIR GAIN ON COPPER:					1000 FT COPPER	
1	NON COLOCATED RT		9,000	5,000	4.00		
2	COLOCATED RT		9,000	5,000	4.00		

	DESCRIPTION	(A) 1993 MONTHLY COST	(B) BAND DISTANCE (FEET)	(C) MINIMUM DIST. FOR PAIR GAIN	(D) (B-C)/1000 RATIO	(E) 1993 MONTHLY COSTS 1000 FT FIBER	(F) A+(D*E) W'TD INVEST 1990
	PAIR GAIN ON FIBER:						
1	CO-HUB(NON COLOC.)		9,000	5,000	4.00		
2	CO-HUB(NON COLOC.)		9,000	5,000	4.00		
3	CO-LOCATED HUB/RT		9,000	5,000	4.00		
4	COLOCATED HRT &CP		9,000	5,000	4.00		
5	CO-HUB(NON-COL)		9,000	5,000	4.00		
6	CO-HUB(NON-COL)		9,000	5,000	4.00		
	PAIR GAIN ON COPPER:					1000 FT COPPER	
1	NON COLOCATED RT		9,000	5,000	4.00		
2	COLOCATED RT		9,000	5,000	4.00		

WORKSHEET E

SERVICE CLASS: LIAL-NONINTEGRATED

STATE: Florida

Band Distance = 9,000 FT

DESIGN:	(A) CARRIER TYPE	(B) 1990 TOTAL INVEST.	(C) 1993 TOTAL ANNUAL COST	(D) 1993 TOTAL MONTHLY COST	(E) PROBABILITY OF DESIGN	(F) 1990 INVESTMENT	(G)	(H) 1993 ANNUAL COST	(H) 1993 TOTAL MONTHLY COST
	PAIR GAIN ON FIBER TECHNOLOGY								
#1	TERMINAL INVESTMENT * CO-HUB(NON COLOC.) HUB-RT: FIBER RT DISTR (COPPER)								
#2	TERMINAL INVESTMENT * CO-HUB(NON COLOC.) HUB-RT: COPPER RT DISTR (COPPER)								
#3	TERMINAL INVESTMENT * CO-LOCATED HUB/RT RT DISTR (COPPER)								
#4	TERMINAL INVESTMENT * COLOCATED HRT &CP								
#5	TERMINAL INVESTMENT * CO-HUB(NON-COL) HUB-RT: FIBER								
#6	TERMINAL INVESTMENT * CO-HUB(NON-COL) HUB-RT: COPPER								
	SUB TOTAL PROB'S PGAIN FIBER =						TOTAL =		
	PAIR GAIN ON COPPER TECHNOLOGY								
#1	TERMINAL INVESTMENT * NON COLOCATED RT RT DISTR (COPPER)								
#2	* COLOCATED RT TERMINAL INVESTMENT			0.00					
	SUB TOTAL PROB'S PGAIN COPPER =						TOTAL =		

NOTES:

1. TERMINAL INVESTMENT INCLUDES APPROPRIATE BUILDING CABLE AND TERMINAL CALCULATIONS
   * SEE WORKSHEET D FOR DETAILED EXPLANATION OF THE FIGURES IN COLUMNS B, C, & D.
2. COLUMN B DEVELOPMENT FROM WORKSHEET D.

WORKSHEET D

SERVICE CLASS= LIAL-NONINTEGRATED Band Dist. = 10,000 FT.

DATE = 22-Sep-94

TIME= 10:54 AM

DESIGN	DESCRIPTION	(A) 1990 ANNUAL INVEST.	(B) BAND DISTANCE (FEET)	(C) MINIMUM DIST. FOR PAIR GAIN	(D) (B-C)/1000 RATIO	(E) 1990 TOTAL INVEST. 1000 FT FIBER	(F) A+(D*E) W'TD INVEST 1990
------	-------------------	------	--------	---------	---------	------------	----------
	PAIR GAIN ON FIBER :						
1	CO-HUB(NON COLOC.)		10,000	5,000	5.00		
2	CO-HUB(NON COLOC.)		10,000	5,000	5.00		
3	CO-LOCATED HUB/RT		10,000	5,000	5.00		
4	COLOCATED HRT &CP		10,000	5,000	5.00		
5	CO-HUB(NON-COL)		10,000	5,000	5.00		
6	CO-HUB(NON-COL)		10,000	5,000	5.00		
	PAIR GAIN ON COPPER:					1000 FT COPPER	

1	NON COLOCATED RT		10,000	5,000	5.00		
2	COLOCATED RT		10,000	5,000	5.00		

	DESCRIPTION	(A) 1993- ANNUAL COST	(B) BAND DISTANCE (FEET)	(C) MINIMUM DIST. FOR PAIR GAIN	(D) (B-C)/1000 RATIO	(E) 1993 ANNUAL COSTS 1000 FT FIBER	(F) A+(D*E) W'TD INVEST 1990
	-------------------	------	--------	---------	---------	------------	----------
	PAIR GAIN ON FIBER :						
1	CO-HUB(NON COLOC.)		10,000	5,000	5.00		
2	CO-HUB(NON COLOC.)		10,000	5,000	5.00		
3	CO-LOCATED HUB/RT		10,000	5,000	5.00		
4	COLOCATED HRT &CP		10,000	5,000	5.00		
5	CO-HUB(NON-COL)		10,000	5,000	5.00		
6	CO-HUB(NON-COL)		10,000	5,000	5.00		
	PAIR GAIN ON COPPER:					1000 FT COPPER	

1	NON COLOCATED RT		10,000	5,000	5.00		
2	COLOCATED RT		10,000	5,000	5.00		

	DESCRIPTION	(A) 1993 MONTHLY COST	(B) BAND DISTANCE (FEET)	(C) MINIMUM DIST. FOR PAIR GAIN	(D) (B-C)/1000 RATIO	(E) 1993 MONTHLY COSTS 1000 FT FIBER	(F) A+(D*E) W'TD INVEST 1990
	-------------------	------	--------	---------	---------	------------	----------
	PAIR GAIN ON FIBER:						
1	CO-HUB(NON COLOC.)		10,000	5,000	5.00		
2	CO-HUB(NON COLOC.)		10,000	5,000	5.00		
3	CO-LOCATED HUB/RT		10,000	5,000	5.00		
4	COLOCATED HRT &CP		10,000	5,000	5.00		
5	CO-HUB(NON-COL)		10,000	5,000	5.00		
6	CO-HUB(NON-COL)		10,000	5,000	5.00		
	PAIR GAIN ON COPPER:					1000 FT COPPER	

1	NON COLOCATED RT		10,000	5,000	5.00		
2	COLOCATED RT		10,000	5,000	5.00		

WORKSHEET E

SERVICE CLASS: LIAL-NONINTEGRATED

STATE: Florida

Band Distance = 10,000 FT

DESIGN:	(A) CARRIER TYPE	(B) 1990 TOTAL INVEST.	(C) 1993 TOTAL ANNUAL COST	(D) 1993 TOTAL MONTHLY COST	(E) PROBABILITY OF DESIGN	(F) 1990 INVESTMENT	(G) 1993 ANNUAL COST	(H) 1993 TOTAL MONTHLY COST
	PAIR GAIN ON FIBER TECHNOLOGY							
#1	TERMINAL INVESTMENT							
	* CO-HUB(NON COLOC.)							
	HUB-RT: FIBER							
	RT DISTR (COPPER)							
#2	TERMINAL INVESTMENT							
	* CO-HUB(NON COLOC.)							
	HUB-RT: COPPER							
	RT DISTR (COPPER)							
#3	TERMINAL INVESTMENT							
	* CO-LOCATED HUB/RT							
	RT DISTR (COPPER)							
#4	TERMINAL INVESTMENT							
	* COLOCATED HRT &CP							
#5	TERMINAL INVESTMENT							
	* CO-HUB(NON-COL)							
	HUB-RT: FIBER							
#6	TERMINAL INVESTMENT							
	* CO-HUB(NON-COL)							
	HUB-RT: COPPER							
	SUB TOTAL PROB'S PGAIN FIBER =					TOTAL =		
	PAIR GAIN ON COPPER TECHNOLOGY							
#1	TERMINAL INVESTMENT							
	* NON COLOCATED RT							
	RT DISTR (COPPER)							
#2	* COLOCATED RT							
	TERMINAL INVESTMENT							
					0.00			
	SUB TOTAL PROB'S PGAIN COPPER =					TOTAL =		

NOTES:

1. TERMINAL INVESTMENT INCLUDES APPROPRIATE BUILDING CABLE AND TERMINAL CALCULATIONS
   * SEE WORKSHEET D FOR DETAILED EXPLANATION OF THE FIGURES IN COLUMNS B, C, & D.
2. COLUMN B DEVELOPMENT FROM WORKSHEET D.

WORKSHEET D

SERVICE CLASS= LIAL-NONINTEGRATED Band Dist. = 11,000 FT.

DATE = 22-Sep-94

TIME= 10:54 AM

DESIGN	DESCRIPTION	(A) 1990 ANNUAL INVEST.	(B) BAND DISTANCE (FEET)	(C) MINIMUM DIST. FOR PAIR GAIN	(D) (B-C)/1000 RATIO	(E) 1990 TOTAL INVEST. 1000 FT FIBER	(F) A+(D*E) W'TD INVEST 1990
	PAIR GAIN ON FIBER :						
1	CO-HUB(NON COLOC.)		11,000	5,000	6.00		
2	CO-HUB(NON COLOC.)		11,000	5,000	6.00		
3	CO-LOCATED HUB/RT		11,000	5,000	6.00		
4	COLOCATED HRT &CP		11,000	5,000	6.00		
5	CO-HUB(NON-COL)		11,000	5,000	6.00		
6	CO-HUB(NON-COL)		11,000	5,000	6.00		
	PAIR GAIN ON COPPER:					1000 FT COPPER	
1	NON COLOCATED RT		11,000	5,000	6.00		
2	COLOCATED RT		11,000	5,000	6.00		

	DESCRIPTION	(A) 1993 ANNUAL COST	(B) BAND DISTANCE (FEET)	(C) MINIMUM DIST. FOR PAIR GAIN	(D) (B-C)/1000 RATIO	(E) 1993 ANNUAL COSTS 1000 FT FIBER	(F) A+(D*E) W'TD INVEST 1990
	PAIR GAIN ON FIBER :						
1	CO-HUB(NON COLOC.)		11,000	5,000	6.00		
2	CO-HUB(NON COLOC.)		11,000	5,000	6.00		
3	CO-LOCATED HUB/RT		11,000	5,000	6.00		
4	COLOCATED HRT &CP		11,000	5,000	6.00		
5	CO-HUB(NON-COL)		11,000	5,000	6.00		
6	CO-HUB(NON-COL)		11,000	5,000	6.00		
	PAIR GAIN ON COPPER:					1000 FT COPPER	
1	NON COLOCATED RT		11,000	5,000	6.00		
2	COLOCATED RT		11,000	5,000	6.00		

	DESCRIPTION	(A) 1993 MONTHLY COST	(B) BAND DISTANCE (FEET)	(C) MINIMUM DIST. FOR PAIR GAIN	(D) (B-C)/1000 RATIO	(E) 1993 MONTHLY COSTS 1000 FT FIBER	(F) A+(D*E) W'TD INVEST 1990
	PAIR GAIN ON FIBER:						
1	CO-HUB(NON COLOC.)		11,000	5,000	6.00		
2	CO-HUB(NON COLOC.)		11,000	5,000	6.00		
3	CO-LOCATED HUB/RT		11,000	5,000	6.00		
4	COLOCATED HRT &CP		11,000	5,000	6.00		
5	CO-HUB(NON-COL)		11,000	5,000	6.00		
6	CO-HUB(NON-COL)		11,000	5,000	6.00		
	PAIR GAIN ON COPPER:					1000 FT COPPER	
1	NON COLOCATED RT		11,000	5,000	6.00		
2	COLOCATED RT		11,000	5,000	6.00		

WORKSHEET E

SERVICE CLASS: LIAL-NONINTEGRATED

STATE: Florida

Band Distance = 11,000 FT

DESIGN:	(A) CARRIER TYPE	(B) 1990 TOTAL INVEST.	(C) 1993 TOTAL ANNUAL COST	(D) 1993 TOTAL MONTHLY COST	(E) PROBABILITY OF DESIGN	(F) 1990 INVESTMENT	(G) 1993 ANNUAL COST	(H) 1993 TOTAL MONTHLY COST
	PAIR GAIN ON FIBER TECHNOLOGY							
#1	TERMINAL INVESTMENT							
	* CO-HUB(NON COLOC.)							
	HUB-RT: FIBER							
	RT DISTR (COPPER)							
#2	TERMINAL INVESTMENT							
	* CO-HUB(NON COLOC.)							
	HUB-RT: COPPER							
	RT DISTR (COPPER)							
#3	TERMINAL INVESTMENT							
	* CO-LOCATED HUB/RT							
	RT DISTR (COPPER)							
#4	TERMINAL INVESTMENT							
	* COLOCATED HRT &CP							
#5	TERMINAL INVESTMENT							
	* CO-HUB(NON-COL)							
	HUB-RT: FIBER							
#6	TERMINAL INVESTMENT							
	* CO-HUB(NON-COL)							
	HUB-RT: COPPER							
	SUB TOTAL PROB'S PGAIN FIBER =					TOTAL =		
	PAIR GAIN ON COPPER TECHNOLOGY							
#1	TERMINAL INVESTMENT							
	* NON COLOCATED RT							
	RT DISTR (COPPER)							
#2	* COLOCATED RT							
	TERMINAL INVESTMENT							
	SUB TOTAL PROB'S PGAIN COPPER =			0.00		TOTAL =		

NOTES:

1. TERMINAL INVESTMENT INCLUDES APPROPRIATE BUILDING CABLE AND TERMINAL CALCULATIONS
   * SEE WORKSHEET D FOR DETAILED EXPLANATION OF THE FIGURES IN COLUMNS B, C, & D.
2. COLUMN B DEVELOPMENT FROM WORKSHEET D.

WORKSHEET D

SERVICE CLASS= LIAL-NONINTEGRATED Band Dist. = 12,000 FT.

DATE = 22-Sep-94

TIME= 10:55 AM

DESIGN	DESCRIPTION	(A) 1990 ANNUAL INVEST.	(B) BAND DISTANCE (FEET)	(C) MINIMUM DIST. FOR PAIR GAIN	(D) (B-C)/1000 RATIO	(E) 1990 TOTAL INVEST. 1000 FT FIBER	(F) A+(D*E) W'TD INVEST 1990
	PAIR GAIN ON FIBER :						
1	CO-HUB(NON COLOC.)		12,000	5,000	7.00		
2	CO-HUB(NON COLOC.)		12,000	5,000	7.00		
3	CO-LOCATED HUB/RT		12,000	5,000	7.00		
4	COLOCATED HRT &CP		12,000	5,000	7.00		
5	CO-HUB(NON-COL)		12,000	5,000	7.00		
6	CO-HUB(NON-COL)		12,000	5,000	7.00		
	PAIR GAIN ON COPPER:					1000 FT COPPER	
1	NON COLOCATED RT		12,000	5,000	7.00	$14.33	$639.34
2	COLOCATED RT		12,000	5,000	7.00	$14.33	$650.83

	DESCRIPTION	(A) 1993 ANNUAL COST	(B) BAND DISTANCE (FEET)	(C) MINIMUM DIST. FOR PAIR GAIN	(D) (B-C)/1000 RATIO	(E) 1993 ANNUAL COSTS 1000 FT FIBER	(F) A+(D*E) W'TD INVEST 1990
	PAIR GAIN ON FIBER :						
1	CO-HUB(NON COLOC.)		12,000	5,000	7.00		
2	CO-HUB(NON COLOC.)		12,000	5,000	7.00		
3	CO-LOCATED HUB/RT		12,000	5,000	7.00		
4	COLOCATED HRT &CP		12,000	5,000	7.00		
5	CO-HUB(NON-COL)		12,000	5,000	7.00		
6	CO-HUB(NON-COL)		12,000	5,000	7.00		
	PAIR GAIN ON COPPER:					1000 FT COPPER	
1	NON COLOCATED RT		12,000	5,000	7.00	$173.98	$7,999.78
2	COLOCATED RT		12,000	5,000	7.00	$173.98	$8,131.75

	DESCRIPTION	(A) 1993 MONTHLY COST	(B) BAND DISTANCE (FEET)	(C) MINIMUM DIST. FOR PAIR GAIN	(D) (B-C)/1000 RATIO	(E) 1993 MONTHLY COSTS 1000 FT FIBER	(F) A+(D*E) W'TD INVEST 1990
	PAIR GAIN ON FIBER:						
1	CO-HUB(NON COLOC.)		12,000	5,000	7.00		
2	CO-HUB(NON COLOC.)		12,000	5,000	7.00		
3	CO-LOCATED HUB/RT		12,000	5,000	7.00		
4	COLOCATED HRT &CP		12,000	5,000	7.00		
5	CO-HUB(NON-COL)		12,000	5,000	7.00		
6	CO-HUB(NON-COL)		12,000	5,000	7.00		
	PAIR GAIN ON COPPER:					1000 FT COPPER	
1	NON COLOCATED RT		12,000	5,000	7.00	$14.50	$666.66
2	COLOCATED RT		12,000	5,000	7.00	$14.50	$677.65

WORKSHEET E
SERVICE CLASS: LIAL-NONINTEGRATED
STATE: Florida
Band Distance = 12,000 FT

DESIGN:	(A) CARRIER TYPE	(B) 1990 TOTAL INVEST.	(C) 1993 TOTAL ANNUAL COST	(D) 1993 TOTAL MONTHLY COST	(E) PROBABILITY OF DESIGN	(F) 1990 INVESTMENT	(G) 1993 ANNUAL COST	(H) 1993 TOTAL MONTHLY COST
	PAIR GAIN ON FIBER TECHNOLOGY							
#1	TERMINAL INVESTMENT • CO-HUB(NON COLOC.) HUB-RT: FIBER RT DISTR (COPPER)							
#2	TERMINAL INVESTMENT • CO-HUB(NON COLOC.) HUB-RT: COPPER RT DISTR (COPPER)							
#3	TERMINAL INVESTMENT • CO-LOCATED HUB/RT RT DISTR (COPPER)							
#4	TERMINAL INVESTMENT * COLOCATED HRT &CP							
#5	TERMINAL INVESTMENT • CO-HUB(NON-COL) HUB-RT: FIBER							
#6	TERMINAL INVESTMENT • CO-HUB(NON-COL) HUB-RT: COPPER							
	SUB TOTAL PROB'S PGAIN FIBER =					TOTAL =		
	PAIR GAIN ON COPPER TECHNOLOGY							
#1	TERMINAL INVESTMENT • NON COLOCATED RT RT DISTR (COPPER)							
#2	• COLOCATED RT TERMINAL INVESTMENT							
	SUB TOTAL PROB'S PGAIN COPPER =				0.00	TOTAL =		

NOTES:
1. TERMINAL INVESTMENT INCLUDES APPROPRIATE BUILDING CABLE AND TERMINAL CALCULATIONS
• SEE WORKSHEET D FOR DETAILED EXPLANATION OF THE FIGURES IN COLUMNS B, C, & D.
2. COLUMN B DEVELOPMENT FROM WORKSHEET D.

WORKSHEET D

SERVICE CLASS= LIAL-NONINTEGRATED Band Dist. = 21,018 FT.

DATE = 22-Sep-94

TIME= 10:55 AM

DESIGN	DESCRIPTION	(A) 1990 ANNUAL INVEST.	(B) BAND DISTANCE (FEET)	(C) MINIMUM DIST. FOR PAIR GAIN	(D) (B-C)/1000 RATIO	(E) 1990 TOTAL INVEST. 1000 FT FIBER	(F) A+(D*E) W'TD INVEST 1990
	PAIR GAIN ON FIBER :						
1	CO-HUB(NON COLOC.)		21,018	5,000	16.02		
2	CO-HUB(NON COLOC.)		21,018	5,000	16.02		
3	CO-LOCATED HUB/RT		21,018	5,000	16.02		
4	COLOCATED HRT &CP		21,018	5,000	16.02		
5	CO-HUB(NON-COL)		21,018	5,000	16.02		
6	CO-HUB(NON-COL)		21,018	5,000	16.02		
	PAIR GAIN ON COPPER:					1000 FT COPPER	
1	NON COLOCATED RT		21,018	5,000	16.02		
2	COLOCATED RT		21,018	5,000	16.02		

	DESCRIPTION	(A) 1993 ANNUAL COST	(B) BAND DISTANCE (FEET)	(C) MINIMUM DIST. FOR PAIR GAIN	(D) (B-C)/1000 RATIO	(E) 1993 ANNUAL COSTS 1000 FT FIBER	(F) A+(D*E) W'TD INVEST 1990
	PAIR GAIN ON FIBER :						
1	CO-HUB(NON COLOC.)		21,018	5,000	16.02		
2	CO-HUB(NON COLOC.)		21,018	5,000	16.02		
3	CO-LOCATED HUB/RT		21,018	5,000	16.02		
4	COLOCATED HRT &CP		21,018	5,000	16.02		
5	CO-HUB(NON-COL)		21,018	5,000	16.02		
6	CO-HUB(NON-COL)		21,018	5,000	16.02		
	PAIR GAIN ON COPPER:					1000 FT COPPER	
1	NON COLOCATED RT		21,018	5,000	16.02		
2	COLOCATED RT		21,018	5,000	16.02		

	DESCRIPTION	(A) 1993 MONTHLY COST	(B) BAND DISTANCE (FEET)	(C) MINIMUM DIST. FOR PAIR GAIN	(D) (B-C)/1000 RATIO	(E) 1993 MONTHLY COSTS 1000 FT FIBER	(F) A+(D*E) W'TD INVEST 1990
	PAIR GAIN ON FIBER:						
1	CO-HUB(NON COLOC.)		21,018	5,000	16.02		
2	CO-HUB(NON COLOC.)		21,018	5,000	16.02		
3	CO-LOCATED HUB/RT		21,018	5,000	16.02		
4	COLOCATED HRT &CP		21,018	5,000	16.02		
5	CO-HUB(NON-COL)		21,018	5,000	16.02		
6	CO-HUB(NON-COL)		21,018	5,000	16.02		
	PAIR GAIN ON COPPER:					1000 FT COPPER	
1	NON COLOCATED RT		21,018	5,000	16.02		
2	COLOCATED RT		21,018	5,000	16.02		

WORKSHEET E

SERVICE CLASS: LIAL-NONINTEGRATED

STATE: Florida

Band Distance = 21,018 FT

DESIGN:	(A) CARRIER TYPE	(B) 1990 TOTAL INVEST.	(C) 1993 TOTAL ANNUAL COST	(D) 1993 TOTAL MONTHLY COST	(E) PROBABILITY OF DESIGN	(F) 1990 INVESTMENT	(G) 1993 ANNUAL COST	(H) 1993 TOTAL MONTHLY COST
	PAIR GAIN ON FIBER TECHNOLOGY							
#1	TERMINAL INVESTMENT							
	* CO-HUB(NON COLOC.)							
	HUB-RT: FIBER							
	RT DISTR (COPPER)							
#2	TERMINAL INVESTMENT							
	* CO-HUB(NON COLOC.)							
	HUB-RT: COPPER							
	RT DISTR (COPPER)							
#3	TERMINAL INVESTMENT							
	* CO-LOCATED HUB/RT							
	RT DISTR (COPPER)							
#4	TERMINAL INVESTMENT							
	* COLOCATED HRT &CP							
#5	TERMINAL INVESTMENT							
	* CO-HUB(NON-COL)							
	HUB-RT: FIBER							
#6	TERMINAL INVESTMENT							
	* CO-HUB(NON-COL)							
	HUB-RT: COPPER							
	SUB TOTAL PROB'S PGAIN FIBER =					TOTAL =		
	PAIR GAIN ON COPPER TECHNOLOGY							
#1	TERMINAL INVESTMENT							
	* NON COLOCATED RT							
	RT DISTR (COPPER)							
#2	* COLOCATED RT							
	TERMINAL INVESTMENT							
				0.00				
	SUB TOTAL PROB'S PGAIN COPPER =					TOTAL =		

NOTES:

1. TERMINAL INVESTMENT INCLUDES APPROPRIATE BUILDING CABLE AND TERMINAL CALCULATIONS
   * SEE WORKSHEET D FOR DETAILED EXPLANATION OF THE FIGURES IN COLUMNS B, C, & D.
2. COLUMN B DEVELOPMENT FROM WORKSHEET D.

DATE = 22-Sep-94
TIME= 10:56 AM

* WORKSHEET A *
LIAL-NONINTEGRATED
RT-DIST MELDING

	DESC.	(A) DTC	(B) PFI	(C) % OF OCCUR.	(D)=A*C W'TED. DTC	(E)=B*C W'TED. PFI
7	PBA26			1.00		
8	PBB26			1.00		
9	PBU26			1.00		
10	PBA24					
11	PBB24					
12	PBU24					
13	PBA22					
14	PBB22					
15	PBU22					
	Total =	3.000000	Total =	3.00	Total = 1.00	

	RANGE NAME	(A) MELDED DIST. TO CODE		RANGE NAME	(B) MELDED PFI		RENORMALIZED DISTRIBUTION TO CODE	
21	MDTCA:	AERIAL	#3	MPFIA:		#1	0.16052	#2
22	MDTCB:	BURIED	#3	MPFIB:		#1	0.83948	#2
23	MDTCU:	UNDERGRND	#3	MPFIU:		#1	-	#2
		TOTAL = 1.000000					1.000000	

HUB-RT MELDING OF PAIR GAIN PROBABILITIES FOR 22, 24, & 26 GAUGES
SERVICE CLASS= LIAL-NONINTEGRATED

	DESC.	(A) DTC	(B) PFI	(C) REPEATER INV. PER FT	(D) PROB.	(E)=A*D W'TED DTC	F=(B+C)*D W'TED PFI W/REPTR
30	PPGBA26				1.00		
31	PPGBB26				1.00		
32	PPGBU26				1.00		
33	PPGBA24						
34	PPGBB24						
35	PPGBU24						
36	PPGBA22						
37	PPGBB22						
38	PPGBU22						
	Total =	3.000000		Total =	3.00	1.00	

NOTE: COLUMN C (REPEATER INV. PER FT) DEVELOPED FROM WORKSHEET B.

DATE = 22-Sep-94
TIME= 10:56 AM
SERVICE CLASS= LIAL-NONINTEGRATED

WORKSHEET A (Continued)

	DESC.	(H) PAIR GAIN FACTOR	I=F*H PFI
9	PPGBA26	0.1026	
10	PPGBB26	0.1026	
11	PPGBU26	0.1026	
	PPGBA24	0.1026	
	PPGBB24	0.1026	
	PPGBU24	0.1026	
	PPGBA22	0.1026	
	PPGBB22	0.1026	
	PPGBU22	0.1026	

	CABLE TYPE	(A) --MATRIX 2-- DISTRIBUTION TO CODE	CABLE TYPE	-MATRIX 4- MELDED PFI W/REPEATER
22	AERIAL	#9	AERIAL	#8
23	BURIED	#9	BURIED	#8
24	UNDERGRND	#9	UNDERGRND	#8
	TOTAL =	1.000000		

- WORKSHEET B -

DATE = 22-Sep-94
TIME= 10:56 AM
SERVICE CLASS= LIAL-NONINTEGRATED
REPEATER DEVELOPMENT WORKSHEET

	DESCRIPTION	-A- REPEATER SPACING	-B- UNIT REPEATER INVESTMENT	C=B/A REPEATER INVEST. PER FOOT
11	REPEATER 22G	5500		
12	REPEATER 24G	4500		
13	REPEATER 26G	3500		

MATRIX 4 DEVELOPMENT FOR:
1000 FEET OF PURE COPPER CABLE
SERVICE CLASS= LIAL-NONINTEGRATED

	DESC.	(A) PFI	(B) REPEATER INVEST.	(C) PAIR GAIN FACTOR	-MATRIX 4- PAIR FOOT INVESTMENT (D)=(A+B)*C	
20	PFIA26			0.1026		#4
21	PFIB26			0.1026		#4
22	PFIU26			0.1026		#4
23	PFIA24			0.1026		#4
24	PFIB24			0.1026		#4
25	PFIU24			0.1026		#4
26	PFIA22			0.1026		#4
27	PFIB22			0.1026		#4
28	PFIU22			0.1026		#4

PAIR GAIN ON COPPER
NON-COLOCATED RT & CUSTOMER PREMISES
FOR PAIR GAIN ON COPPER DESIGN #1

DATE = 22-Sep-94
TIME= 10:56 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

	LOOP LENGTH IN FEET AND DESIGN	TYPE OF COPPER PLANT	MATRIX 2 RELATIVE MIX OF COPPER TYPES	MATRIX 3 LOOP LENGTH BY TYPE OF PLANT	MATRIX 4 PAIR GAIN INVESTMENT PER PAIR FT.	MATRIX 5 COPPER INVESTMENT PER PAIR FT	MATRIX 7 AIR DRYER INVESTMENT PER PAIR FT	MATRIX 8 DROP WIRE ADJUSTMENT PER PAIR FT
13	1000.00	AERIAL						
14	26 Gauge PAIR GAIN	BURIED						
16	ON COPPER	UNDERGRND						
			1.000000	1,000				

CUSTOMER PREMISE CONNECTIONS:
19 VERAGE BUILDING CABLE INVESTMENT PER LOOP =

21 P GAIN EQUIP NVST=
22 ORBINV =
23 COND PG INV =

POLE LINE FACTOR =
POLE LINE INVESTMENT
(TOTAL AER FI INV x FACTOR)

UG CONDUIT FACTOR =
CONDUIT INVESTMENT =
(TOTAL UG FI INV x FACTOR)

INVESTMENT PER CHANNEL IN CENTRAL OFFICE
CONNECTORS =

MISC. COMMON EQPT. & POWER FACTOR =
MCE&P INVESTMENT (P GAIN INV +orbnvst)x FACTOR)
MCE&P NVST (CO CONN x FACTOR)=

LAND FACTOR =
LAND NVEST ((P GAIN INV+MCEP+ORBINV)xFACTOR) =

BUILDING FACTOR =
BLDG NVEST ((P GAIN INV+MCEP+ORBINV)xFACTOR) =

PAIR GAIN FACTOR= 0.1026

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: THE SUBSCRIBER LINE CARRIER EQUIPMENT INVESTMENTS ARE DEVELOPED OUTSIDE OF THE SPREADSHEET WITH APPROPRIATE UTILIZATION FACTORS APPLIED.
NOTE 3: MATRIX 4 DEVELOPMENT IS SHOWN ON WORKSEET 8 (#4).
NOTE 4: FOR 4 WIRE SERVICES, MATRIX 4 IS ALSO MULTIPLIED BY 2.

LOOP INVESTMENTS PER CIRCUIT — 5A-1 EQV.
FACILITY TYPE: PAIR GAIN ON COPPER
CIRCUIT QUANTITY: 1
LOOP DISTANCE (FT): 1000

DATE = 22-Sep-94
TIME= 10:56 AM

STATE: Florida — SERVICE CLASS: LIAL-NONINTEGRATED

(a)	(b)	(c)	1990 UNIT INVESTMENTS (d)	(e)		1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY EXCL. UTILIZATION (f)	(g)	(h)	1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY INCL. UTILIZATION (i)	(j)
PLANT ITEM	USOA CODE	FIXED VARI SUNK	LOOP TERM EQUIP	LINE HAUL EQUIP	CIRCUIT QUANTITY	LOOP TERM EQUIP	LINE HAUL EQUIP	LINE FILL	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111	V			1			1.00		
BUILDING	2121	V			1			1.00		
CONNECTIONS(W'ted)	2421	V			1			1.00		
AERIAL CABLE	2421	V						0.70		
(COPPER)	2421	V								
BURIED CABLE	2423	V						0.70		
(COPPER)	2423	V								
UNDERGROUND CABLE	2422	V						0.70		
(COPPER)	2422	V								
CO EQPT - P GAIN	2211	V			1			1.00		
MCE&P - DLC	2211	V			1			1.00		
CO EQPT - ESS	2212	V			1			0.70		
AERIAL CABLE	2421	V			1			1.00		
(FIBER)	2421	V								
BURIED CABLE	2423	V			1			1.00		
(FIBER)	2423	V								
UNDERGROUND CABLE	2422	V			1			1.00		
(FIBER)	2422	V								
POLE LINE	2411	V			1			0.70		
CONDUIT	2441	V			1			0.70		

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: CO EQPT - P GAIN = P GAIN EQUIP. NVST * MCE&P INVEST * ORBINV.

MONTHLY LOOP COST CALCULATION — 5B EQV.
FACILITY TYPE: PAIR GAIN ON COPPER
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 1000
TIME= 10:56 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

(a)	(b)	1990 UNIT INVESTMENTS (c)	(d)	(e)	1990 TOTAL ANNUAL COSTS (f)	(g)	1990 TOTAL MONTHLY COSTS (i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	ANNUAL COST FACTOR	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111			12.0000				
BUILDING	2121			12.0000				
CONNECTIONS(W'ted)	2421			12.0000				
AERIAL CABLE (COPPER)	2421			12.0000				
BURIED CABLE (COPPER)	2423			12.0000				
UNDERGROUND CABLE (COPPER)	2422			12.0000				
CO EQPT - P GAIN	2211			12.0000				
MCE&P - DLC	2211			12.0000				
CO EQPT - ESS	2212			12.0000				
AERIAL CABLE (FIBER)	2421			12.0000				
BURIED CABLE (FIBER)	2423			12.0000				
UNDERGROUND CABLE (FIBER)	2422			12.0000				
POLE LINE	2411			12.0000				
CONDUIT	2441			12.0000				
	SUBTOTALS							
	TOTALS							

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.

MONTHLY LOOP COST CALCULATION 5D EQV.
FACILITY TYPE: PAIR GAIN ON COPPER
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 1000
TIME= 10:56 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 TOTAL ANNUA COSTS		1990 TOTAL MONTHLY COSTS			1993 TOTAL ANNUAL COSTS		1993 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	1990 TO 1993 TPI	(g)	(h)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP		LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111					1.00000				
BUILDING	2121					1.08300				
CONNECTIONS(U'ted)	2421					1.00200				
AERIAL CABLE (COPPER)	2421					1.00200				
BURIED CABLE (COPPER)	2423					1.01800				
UNDERGROUND CABLE (COPPER)	2422					0.99200				
CO EQPT - P GAIN	2211					1.06200				
MCE&P - DLC	2211					1.06200				
CO EQPT - ESS	2212					0.88900				
AERIAL CABLE (FIBER)	2421					0.91300				
BURIED CABLE (FIBER)	2423					0.96400				
UNDERGROUND CABLE (FIBER)	2422					0.94900				
POLE LINE	2411					1.09100				
CONDUIT	2441					1.02500				
	SUBTOTALS									
	TOTALS									

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.

WORKSHEET
(FOR HUBBED FIBER / RT-CABINET)
FOR PAIR GAIN ON FIBER DESIGNS #1

DATE = 22-Sep-94
TIME= 10:56 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

LOOP LENGTH IN FEET AND DESIGN	TYPE OF FIBER PLANT	MATRIX 2 RELATIVE MIX OF FIBER TYPES	MATRIX 3 LOOP LENGTH BY TYPE OF PLANT	MATRIX 4 FIBER INVESTMENT PER CHANNEL FT.	MATRIX 5 FIBER INVESTMENT PER CHANNEL	MATRIX 7 AIR DRYER INVESTMENT PER CHANNEL	MATRIX 8 DROP WIRE ADJUSTMENT PER PAIR
1000.00 CO-HUB	AERIAL						
	BURIED						
	UNDERGRND						
		1.000001	1,000				

COND PG INV =

P GAIN EQUIP NVST =

ADDN'L MUX AT HUB =

POLE LINE FACTOR =
POLE LINE INVESTMENT
(TOTAL AER FI INV x FACTOR)

UG CONDUIT FACTOR =
CONDUIT INVESTMENT =
(TOTAL UG FI INV x FACTOR)

INVESTMENT PER CHANNEL IN CENTRAL OFFICE
CONNECTORS =

MISC. COMMON EQPT. & POWER FACTOR =
MCE&P INV.(P GAIN INV +MUXINV)x FACTOR =
MCE&P INVESTMENT (CO CONN x FACTOR) =

LAND FACTOR =
LAND NVEST ((P GAIN INV+MCEP+MUX) x FACTOR) =
LAND NVEST ((CO CONN+MCEP)xFACTOR) =

BUILDING FACTOR =
BLDG NVEST ((P GAIN INV+MCEP+MUX) x FACTOR) =
BLDG NVEST ((CO CONN+MCEP)xFACTOR) =

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: THE SUBSCRIBER LINE CARRIER EQUIPMENT INVESTMENTS ARE DEVELOPED OUTSIDE OF THE SPREADSHEET WITH APPROPRIATE UTILIZATION FACTORS APPLIED.

LOOP INVESTMENTS PER CIRCUIT 5A-1 EQV.

FACILITY TYPE: PAIR GAIN ON FIBER
CIRCUIT QUANTITY: 1
LOOP DISTANCE (FT): 1000

DATE = 22-Sep-94
TIME= 10:56 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

(a)	(b)	(c)	1990 UNIT INVESTMENTS (d)	(e)		1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY EXCL. UTILIZATION (f)	(g)	(h)	1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY INCL. UTILIZATION (i)	(j)
PLANT ITEM	USOA CODE	FIXED VARI SUNK	LOOP TERM EQUIP	LINE HAUL EQUIP	CIRCUIT QUANTITY	LOOP TERM EQUIP	LINE HAUL EQUIP	LINE FILL	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111	V			1			1.00		
BUILDING	2121	V			1			1.00		
CONNECTIONS(W'ted)	2421	V			1			1.00		
AERIAL CABLE	2421	V								
(COPPER)	2421	V								
BURIED CABLE	2423	V								
(COPPER)	2423	V								
UNDERGROUND CABLE	2422	V								
(COPPER)	2422	V								
CO EQPT - P GAIN	2211	V			1			1.00		
MCE&P DLC	2211	V			1			1.00		
CO EQPT - ESS	2212	V			1			0.70		
AERIAL CABLE	2421	V			1			1.00		
(FIBER)	2421	V								
BURIED CABLE	2423	V			1			1.00		
(FIBER)	2423	V								
UNDERGROUND CABLE	2422	V			1			1.00		
(FIBER)	2422	V								
POLE LINE	2411	V			1			1.00		
CONDUIT	2441	V			1			1.00		

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: CO EQPT - P GAIN=PGAIN EQ NVST+ADDITIONAL MUX NVST @ HUB+MCE&P NVST.
NOTE 3: CO EQPT - ESS = INVEST. PER CHAN. IN C.O. CONNECTORS & MCE&P INV.

MONTHLY LOOP COST CALCULATION 58 EQV.

FACILITY TYPE: PAIR GAIN ON FIBER
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 1,000
TIME= 10:56 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 UNIT INVESTMENTS			1990 TOTAL ANNUAL COSTS		1990 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	ANNUAL COST FACTOR	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111			12.0000				
BUILDING	2121			12.0000				
CONNECTIONS(W'ted)	2421			12.0000				
AERIAL CABLE (COPPER)	2421							
BURIED CABLE (COPPER)	2423							
UNDERGROUND CABLE (COPPER)	2422							
CO EQPT - P GAIN	2211			12.0000				
MCE&P DLC	2211			12.0000				
CO EQPT - ESS	2212			12.0000				
AERIAL CABLE (FIBER)	2421			12.0000				
BURIED CABLE (FIBER)	2423			12.0000				
UNDERGROUND CABLE (FIBER)	2422			12.0000				
POLE LINE	2411			12.0000				
CONDUIT	2441			12.0000				
	SUBTOTALS							
	TOTALS							

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.

MONTHLY LOOP COST CALCULATION

5D EQV.

FACILITY TYPE: PAIR GAIN ON FIBER
CIRCUIT QUANTITY: 1
LOOP DISTANCE (FT): 1,000

DATE = 22-Sep-94
TIME= 10:56 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 TOTAL ANNUA COSTS		1990 TOTAL MONTHLY COSTS			1993 TOTAL ANNUAL COSTS		1993 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	1990 TO 1993 TPI	(g)	(h)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP		LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111					1.00000				
BUILDING	2121					1.08300				
CONNECTIONS(W'ted)	2421					1.00200				
AERIAL CABLE (COPPER)	2421									
BURIED CABLE (COPPER)	2423									
UNDERGROUND CABLE (COPPER)	2422									
CO EQPT - P GAIN	2211					1.06200				
MCE&P DLC	2211					1.06200				
CO EQPT - ESS	2212					0.88900				
AERIAL CABLE (FIBER)	2421					0.91300				
BURIED CABLE (FIBER)	2423					0.96400				
UNDERGROUND CABLE (FIBER)	2422					0.94900				
POLE LINE	2411					1.09100				
CONDUIT	2441					1.02500				
	SUBTOTALS									
	TOTALS									

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.

WORKSHEET
(FOR HUBBED FIBER / RT-CABINET)
FOR PAIR GAIN ON FIBER DESIGNS #2, #3

DATE = 22-Sep-94
TIME= 10:56 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

LOOP LENGTH IN FEET AND DESIGN	TYPE OF FIBER PLANT	MATRIX 2 RELATIVE MIX OF FIBER TYPES	MATRIX 3 LOOP LENGTH BY TYPE OF PLANT	MATRIX 4 FIBER INVESTMENT PER CHANNEL FT.	MATRIX 5 FIBER INVESTMENT PER CHANNEL	MATRIX 7 AIR DRYER INVESTMENT PER CHANNEL	MATRIX 8 DROP WIRE ADJUSTMENT PER PAIR
1000.00 CO-HUB	AERIAL						
	BURIED						
	UNDERGRND						
		1.000001	1,000				

COND PG INV =

P GAIN EQUIP NVST =

ADDN'L MUX AT HUB =

POLE LINE FACTOR =
POLE LINE INVESTMENT
(TOTAL AER FI INV x FACTOR)

UG CONDUIT FACTOR =
CONDUIT INVESTMENT =
(TOTAL UG FI INV x FACTOR)

INVESTMENT PER CHANNEL IN CENTRAL OFFICE
CONNECTORS =

MISC. COMMON EQPT. & POWER FACTOR =
MCE&P INV.(P GAIN INV +MUXINV)x FACTOR =
MCE&P INVESTMENT (CO CONN x FACTOR) =

LAND FACTOR =
LAND NVEST (P GAIN INV+MUX+MCE&P) x FACTOR =
LAND NVEST ((CO CONN+MCEP)xFACTOR) =

BUILDING FACTOR =
BLDG NVEST (P GAIN INV+MUX+MCE&P) x FACTOR =
BLDG NVEST ((CO CONN+MCEP)xFACTOR) =

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: THE SUBSCRIBER LINE CARRIER EQUIPMENT INVESTMENTS ARE DEVELOPED
OUTSIDE OF THE SPREADSHEET WITH APPROPRIATE UTILIZATION FACTORS APPLIED.

LOOP INVESTMENTS PER CIRCUIT 5A-1 EQV.

FACILITY TYPE: PAIR GAIN ON FIBER
CIRCUIT QUANTITY: 1
LOOP DISTANCE (FT): 1000

DATE = 22-Sep-94
TIME= 10:56 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

			1990 UNIT INVESTMENTS		1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY EXCL. UTILIZATION			1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY INCL. UTILIZATION	
(a)	(b)	(c)	(d)	(e)		(f)	(g)	(h)	(i)	(j)
PLANT ITEM	USOA CODE	FIXED VARI SUNK	LOOP TERM EQUIP	LINE HAUL EQUIP	CIRCUIT QUANTITY	LOOP TERM EQUIP	LINE HAUL EQUIP	LINE FILL	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111	V			1			1.00		
BUILDING	2121	V			1			1.00		
CONNECTIONS(W'ted)	2421	V			1			1.00		
AERIAL CABLE	2421	V								
(COPPER)	2421	V								
BURIED CABLE	2423	V								
(COPPER)	2423	V								
UNDERGROUND CABLE	2422	V								
(COPPER)	2422	V								
CO EQPT - P GAIN	2211	V			1			1.00		
MCE&P - DLC	2211	V			1			1.00		
CO EQPT - ESS	2212	V			1			0.70		
AERIAL CABLE	2421	V			1			1.00		
(FIBER)	2421	V								
BURIED CABLE	2423	V			1			1.00		
(FIBER)	2423	V								
UNDERGROUND CABLE	2422	V			1			1.00		
(FIBER)	2422	V								
POLE LINE	2411	V			1			1.00		
CONDUIT	2441	V			1			1.00		

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: CO EQPT - P GAIN = PGAIN EQ NVST @ ADDITIONAL MUX NVST @ HUB + MCE&P NVST.

MONTHLY LOOP COST CALCULATION 58 EQV.

FACILITY TYPE: PAIR GAIN ON FIBER
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 1,000
TIME= 10:56 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 UNIT INVESTMENTS			1990 TOTAL ANNUAL COSTS		1990 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	ANNUAL COST FACTOR	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111			12.0000				
BUILDING	2121			12.0000				
CONNECTIONS(W'ted)	2421			12.0000				
AERIAL CABLE (COPPER)	2421							
BURIED CABLE (COPPER)	2423							
UNDERGROUND CABLE (COPPER)	2422							
CO EQPT - P GAIN	2211			12.0000				
MCE&P - DLC	2211			12.0000				
CO EQPT - ESS	2212			12.0000				
AERIAL CABLE (FIBER)	2421			12.0000				
BURIED CABLE (FIBER)	2423			12.0000				
UNDERGROUND CABLE (FIBER)	2422			12.0000				
POLE LINE	2411			12.0000				
CONDUIT	2441			12.0000				
	SUBTOTALS							
	TOTALS							

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.

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MONTHLY LOOP COST CALCULATION 5D EQV.

FACILITY TYPE: PAIR GAIN ON FIBER
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 1,000
TIME= 10:56 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 TOTAL ANNUA COSTS		1990 TOTAL MONTHLY COSTS			1993 TOTAL ANNUAL COSTS		1993 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	1990 TO 1993 TPI	(g)	(h)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP		LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111					1.0000				
BUILDING	2121					1.0830				
CONNECTIONS(W'ted)	2421					1.0020				
AERIAL CABLE (COPPER)	2421									
BURIED CABLE (COPPER)	2423									
UNDERGROUND CABLE (COPPER)	2422									
CO EQPT - P GAIN	2211					1.0620				
MCE&P - DLC	2211					1.0620				
CO EQPT - ESS	2212					0.8890				
AERIAL CABLE (FIBER)	2421					0.9130				
BURIED CABLE (FIBER)	2423					0.9640				
UNDERGROUND CABLE (FIBER)	2422					0.9490				
POLE LINE	2411					1.0910				
CONDUIT	2441					1.0250				
SUBTOTALS										
TOTALS										

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.

1000 FOOT PURE FIBER FACILITY
FOR PAIR GAIN ON FIBER DESIGNS #1-6

DATE = 22-Sep-94
TIME= 10:56 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

LOOP LENGTH IN FEET AND DESIGN	TYPE OF FIBER PLANT	MATRIX 2 RELATIVE MIX OF FIBER TYPES	MATRIX 3 LOOP LENGTH BY TYPE OF PLANT	MATRIX 4 FIBER INVESTMENT PER CHANNEL FT.	MATRIX 5 FIBER INVESTMENT PER CHANNEL	MATRIX 7 AIR DRYER INVESTMENT PER CHANNEL	MATRIX 8 DROP WIRE ADJUSTMENT PER PAIR
1000.00	AERIAL						
	BURIED						
	UNDERGRND						
		1.000001	1,000				

POLE LINE FACTOR =
POLE LINE INVESTMENT
(TOTAL AER FI INV x FACTOR)

UG CONDUIT FACTOR =
CONDUIT INVESTMENT =
(TOTAL UG FI INV x FACTOR)

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: THE SUBSCRIBER LINE CARRIER EQUIPMENT INVESTMENTS ARE DEVELOPED OUTSIDE OF THE SPREADSHEET WITH APPROPRIATE UTILIZATION FACTORS APPLIED.

1000 FOOT PURE FIBER FACILITY
FACILITY TYPE: PAIR GAIN ON FIBER
CIRCUIT QUANTITY: 1
LOOP DISTANCE (FT): 1000

DATE = 22-Sep-94
TIME= 10:56 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

(a)	(b)	(c)	1990 UNIT INVESTMENTS (d)	(e)		1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY EXCL. UTILIZATION (f)	(g)	(h)	1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY INCL. UTILIZATION (i)	(j)
PLANT ITEM	USOA CODE	FIXED VARI SUNK	LOOP TERM EQUIP	LINE HAUL EQUIP	CIRCUIT QUANTITY	LOOP TERM EQUIP	LINE HAUL EQUIP	LINE FILL	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111	V								
BUILDING	2121	V								
CONNECTIONS(W'ted)	2421	V								
AERIAL CABLE	2421	V								
(COPPER)	2421	V								
BURIED CABLE	2423	V								
(COPPER)	2423	V								
UNDERGROUND CABLE	2422	V								
(COPPER)	2422	V								
CO EQPT - P GAIN	2211	V								
CO EQPT - ESS	2212	V								
AERIAL CABLE	2421	V			1			1.00		
(FIBER)	2421	V								
BURIED CABLE	2423	V			1			1.00		
(FIBER)	2423	V								
UNDERGROUND CABLE	2422	V			1			1.00		
(FIBER)	2422	V								
POLE LINE	2411	V			1			1.00		
CONDUIT	2441	V			1			1.00		

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.

1000 FOOT PURE FIBER FACILITY
FACILITY TYPE: PAIR GAIN ON FIBER
CIRCUIT QUANTITY: 1
LOOP DISTANCE (FT): 1000

DATE = 34599
TIME= 34599

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 UNIT INVESTMENTS			1990 TOTAL ANNUAL COSTS		1990 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	ANNUAL COST FACTOR	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111							
BUILDING	2121							
CONNECTIONS(W'ted)	2421							
AERIAL CABLE (COPPER)	2421							
BURIED CABLE (COPPER)	2423							
UNDERGROUND CABLE (COPPER)	2422							
CO EQPT - P GAIN	2211							
CO EQPT - ESS	2212							
AERIAL CABLE (FIBER)	2421			12.0000				
BURIED CABLE (FIBER)	2423			12.0000				
UNDERGROUND CABLE (FIBER)	2422			12.0000				
POLE LINE	2411			12.0000				
CONDUIT	2441			12.0000				
SUBTOTALS								
TOTALS				-> *				

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: * DENOTES DATA THAT IS USED ALSO ON WORKSHEET D FOR ILLUSTRATION PURPOSES.

1000 FOOT PURE FIBER FACILITY
FACILITY TYPE: PAIR GAIN ON FIBER
CIRCUIT QUANTITY: 1
LOOP DISTANCE (FT): 1000

DATE = 22-Sep-94
TIME= 10:56 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 TOTAL ANNUA COSTS		1990 TOTAL MONTHLY COSTS			1993 TOTAL ANNUA COSTS		1993 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	1990 TO 1993 TPI	(g)	(h)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP		LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111									
BUILDING	2121									
CONNECTIONS(W'ted)	2421									
AERIAL CABLE (COPPER)	2421									
BURIED CABLE (COPPER)	2423									
UNDERGROUND CABLE (COPPER)	2422									
CO EQPT - P GAIN	2211									
CO EQPT - ESS	2212									
AERIAL CABLE (FIBER)	2421					0.91300				
BURIED CABLE (FIBER)	2423					0.96400				
UNDERGROUND CABLE (FIBER)	2422					0.94900				
POLE LINE	2411					1.09100				
CONDUIT	2441					1.02500				
	SUBTOTALS									
	TOTALS									*<-

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: * DENOTES DATA THAT IS USED ALSO ON WORKSHEET D FOR ILLUSTRATION PURPOSES.

USED IN DEVELOPING PAIR GAIN ON COPPER DESIGN #1, 2

DATE = 22-Sep-94
TIME= 10:56 AM

1000 FOOT COPPER

STATE: Florida

SERVICE CLASS: LIAL-NONINTEGRATED

LOOP LENGTH IN FEET AND DESIGN	TYPE OF CABLE PLANT	MATRIX 2 RELATIVE MIX OF CABLE TYPES	MATRIX 3 LOOP LENGTH BY TYPE OF PLANT	MATRIX 4 CABLE INVESTMENT PER PAIR FOOT	MATRIX 5 CABLE INVESTMENT PER PAIR	MATRIX 7 AIR DRYER INVESTMENT PER PAIR	MATRIX 8 DROP WIRE ADJUSTMENT PER PAIR
1000.00	AERIAL						
26 Gauge PAIR GAIN ON COPPER	BURIED UNDERGRND						
		1.000000	1,000				

POLE LINE FACTOR =
POLE LINE INVESTMENT
(TOTAL AER CA INV x FACTOR)

UG CONDUIT FACTOR =
CONDUIT INVESTMENT =
(TOTAL UG CA INV x FACTOR)

NOTE 1: DESIGN AT THIS DISTANCE HAS NO LOAD COILS; THEREFORE, MATRIX 6 = 0.
NOTE 2: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 3: TOTAL CABLE INVESTMENT = CABLE INV + LOAD COIL INV + AIR DRYER INV + MISC INV.
NOTE 4: MATRIX 8 = MATRIX 5 x DROP WIRE ADJUSTMENT
NOTE 5: MATRIX 4 DEVELOPMENT SHOWN ON WORKSHEET 8 (#4).
NOTE 6: FOR 4 WIRE SERVICES ONLY, MATRIX 4 IS ALSO MULTIPLIED BY 2.

MONTHLY LOOP COST CALCULATION — 5A-1 EQV.
FACILITY TYPE: COPPER CABLE
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94
TIME= 10:56 AM
LOOP DISTANCE (FT): 1000
FOR DESIGN #2

STATE: Florida — SERVICE CLASS: LIAL-NONINTEGRATED

(a)	(b)	(c)	1990 UNIT INVESTMENTS (d)	(e)		1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY EXCL. UTILIZATION (f)	(g)	(h)	1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY INCL. UTILIZATION (i)	(j)
PLANT ITEM	USOA CODE	FIXED VARI SUNK	LOOP TERM EQUIP	LINE HAUL EQUIP	CIRCUIT QUANTITY	LOOP TERM EQUIP	LINE HAUL EQUIP	LINE FILL	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111	V								
BUILDING	2121	V								
CONNECTIONS(W'ted)	2421	V								
AERIAL CABLE	2421	V			1			0.70		
					1					
AIR DRYER	2421	V			1			0.70		
MISC.	2421	V			1			0.70		
BURIED CABLE	2423	V			1			0.70		
					1					
AIR DRYER	2423	V			1			0.70		
MISC.	2423	V			1			0.70		
UNDERGROUND CABLE	2422	V			1			0.70		
					1					
AIR DRYER	2422	V			1			0.70		
MISC.	2422	V			1			0.70		
CONNECTORS	2211	V			1			0.70		
MISC. CE&P	2211	V			1			0.70		
POLE LINE	2411	V			1			0.70		
CONDUIT	2441	V			1			0.70		

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.

MONTHLY LOOP COST CALCULATION — 58 EQV.
FACILITY TYPE: COPPER CABLE
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94
TIME= 10:56 AM
LOOP DISTANCE (FT): 1000

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 UNIT INVESTMENTS			1990 TOTAL ANNUAL COSTS		1990 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	ANNUAL COST FACTOR	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111							
BUILDING	2121							
CONNECTIONS(W'ted)	2421							
AERIAL CABLE (COPPER)	2421			12.0000				
BURIED CABLE (COPPER)	2423			12.0000				
UNDERGROUND CABLE (COPPER)	2422			12.0000				
CO EQPT - P GAIN	2211							
CO EQPT - ESS	2212							
AERIAL CABLE (FIBER)	2421							
BURIED CABLE (FIBER)	2423							
UNDERGROUND CABLE (FIBER)	2422							
POLE LINE	2411			12.0000				
CONDUIT	2441			12.0000				
SUBTOTALS								
TOTALS								

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: * DENOTES DATA THAT IS ALSO USED ON WORKSHEET D FOR ILLUSTRATION PURPOSES.

MONTHLY LOOP COST CALCULATION — 50 EQV.
FACILITY TYPE: COPPER CABLE
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 — LOOP DISTANCE (FT): 1000
TIME= 10:56 AM

STATE: Florida — SERVICE CLASS: LIAL-NONINTEGRATED

		1990 TOTAL ANNUAL COSTS		1990 TOTAL MONTHLY COSTS			1993 TOTAL ANNUAL COSTS		1993 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	1990 TO 1993 TPI	(g)	(h)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP		LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111									
BUILDING	2121									
CONNECTIONS(W'ted)	2421									
AERIAL CABLE (COPPER)	2421					1.00200				
BURIED CABLE (COPPER)	2423					1.01800				
UNDERGROUND CABLE (COPPER)	2422					0.99200				
CO EQPT - P GAIN	2211									
CO EQPT - ESS	2212									
AERIAL CABLE (FIBER)	2421									
BURIED CABLE (FIBER)	2423									
UNDERGROUND CABLE (FIBER)	2422									
POLE LINE	2411					1.09100				
CONDUIT	2441					1.02500				
SUBTOTALS										
TOTALS										

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: * DENOTES DATA THAT IS ALSO USED ON WORKSHEET D FOR ILLUSTRATION PURPOSES.

CARRIER DISTRIBUTION WORKSHEET
REMOTE TERMINAL TO CUSTOMER PREMISES
FOR PAIR GAIN ON FIBER DESIGNS #1,2,3
FOR PAIR GAIN ON COPPER DESIGN #1

DATE = 22-Sep-94
TIME= 10:56 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

LOOP LENGTH IN FEET AND DESIGN	TYPE OF CABLE PLANT	MATRIX 2 RELATIVE MIX OF CABLE TYPES	MATRIX 3 LOOP LENGTH BY TYPE OF PLANT	MATRIX 4 CABLE INVESTMENT PER PAIR FOOT	MATRIX 5 CABLE INVESTMENT PER PAIR	MATRIX 7 AIR DRYER INVESTMENT PER PAIR	MATRIX 8 DROP WIRE ADJUSTMENT PER PAIR
4000.00	AERIAL						
CONSIDERS: 22G,24G &26G COPPER	BURIED						
	UNDERGRND						
		1.000000	4,000				

CUSTOMER PREMISE CONNECTIONS:
AVERAGE BUILDING CABLE INVESTMENT
PER LOOP =
ALL DROP WIRE AND OTHER INVESTMENT
IS INCLUDED IN THE APPROPRIATE
CABLE ACCOUNT INVESTMENT PER
FCC MANDATE.

POLE LINE FACTOR =
POLE LINE INVESTMENT
(TOTAL AER CA INV x FACTOR)

UG CONDUIT FACTOR =
CONDUIT INVESTMENT =
(TOTAL UG CA INV x FACTOR)

NOTE 1: DESIGN AT THIS DISTANCE HAS NO LOAD COILS; THEREFORE, MATRIX 6 = 0.
NOTE 2: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 3: MATRIX 2 & 4 DEVELOPMENT SHOWN ON WORKSHEET A (#2,#1).
NOTE 4: MATRIX 8 = MATRIX 5 x DROP WIRE ADJUSTMENT

LOOP INVESTMENTS PER CIRCUIT 5A-1 EQV.

FACILITY TYPE: COPPER CABLE
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 REMOTE TERMINAL TO DISTRIBUTION
TIME= 10:56 AM LOOP DISTANCE (FT): 4000

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

(a)	(b)	(c)	1990 UNIT INVESTMENTS (d)	(e)		1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY EXCL. UTILIZATION (f)	(g)	(h)	1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY INCL. UTILIZATION (i)	(j)
PLANT ITEM	USOA CODE	FIXED VARI SUNK	LOOP TERM EQUIP	LINE HAUL EQUIP	CIRCUIT QUANTITY	LOOP TERM EQUIP	LINE HAUL EQUIP	LINE FILL	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111	V			1					
BUILDING	2121	V			1					
CONNECTIONS(W'ted)	2421	V			1			1.00		
AERIAL CABLE	2421	V			1			0.70		
					1					
AIR DRYER	2421	V			1			0.70		
DROP WIRE	2421	V			1			0.70		
BURIED CABLE	2423	V			1			0.70		
					1					
AIR DRYER	2423	V			1			0.70		
DROP WIRE	2423	V			1			0.70		
UNDERGROUND CABLE	2422	V			1			0.70		
					1					
AIR DRYER	2422	V			1			0.70		
DROP WIRE	2422	V			1			0.70		
CONNECTORS	2211	V			1			0.70		
MISC. CE&P	2211	V			1			0.70		
POLE LINE	2411	V			1			0.70		
CONDUIT	2441	V			1			0.70		

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.

MONTHLY LOOP COST CALCULATION 58 EQV.

FACILITY TYPE: COPPER CABLE
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 4,000
TIME= 10:56 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 UNIT INVESTMENTS			1990 TOTAL ANNUAL COSTS		1990 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	ANNUAL COST FACTOR	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111			12.0000				
BUILDING	2121			12.0000				
CONNECTIONS(W'ted)	2421			12.0000				
AERIAL CABLE (COPPER)	2421			12.0000				
BURIED CABLE (COPPER)	2423			12.0000				
UNDERGROUND CABLE (COPPER)	2422			12.0000				
CO EQPT - P GAIN	2211			12.0000				
CO EQPT - ESS	2212			12.0000				
AERIAL CABLE (FIBER)	2421			12.0000				
BURIED CABLE (FIBER)	2423			12.0000				
UNDERGROUND CABLE (FIBER)	2422			12.0000				
POLE LINE	2411			12.0000				
CONDUIT	2441			12.0000				
SUBTOTALS								
TOTALS								

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.

MONTHLY LOOP COST CALCULATION 5D EQV.

FACILITY TYPE: COPPER CABLE
CIRCUIT QUANTITY: 1
LOOP DISTANCE (FT): 4,000

DATE = 22-Sep-94
TIME= 10:56 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 TOTAL ANNUA COSTS		1990 TOTAL MONTHLY COSTS			1993 TOTAL ANNUA COSTS		1993 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	1990 TO 1993 TPI	(g)	(h)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP		LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111					1.00000				
BUILDING	2121									
CONNECTIONS(W'ted)	2421					1.00200				
AERIAL CABLE (COPPER)	2421					1.00200				
BURIED CABLE (COPPER)	2423					1.01800				
UNDERGROUND CABLE (COPPER)	2422					0.99200				
CO EQPT - P GAIN	2211									
CO EQPT - ESS	2212					0.88900				
AERIAL CABLE (FIBER)	2421									
BURIED CABLE (FIBER)	2423									
UNDERGROUND CABLE (FIBER)	2422									
POLE LINE	2411					1.09100				
CONDUIT	2441					1.02500				
SUBTOTALS										
TOTALS										

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.

WORKSHEET
CO-LOCATED RT

FOR PAIR GAIN ON COPPER DESIGN #2

DATE = 22-Sep-94
TIME= 10:56 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

LOOP LENGTH IN FEET AND DESIGN	TYPE OF COPPER PLANT	MATRIX 2 RELATIVE MIX OF COPPER TYPES	MATRIX 3 LOOP LENGTH BY TYPE OF PLANT	MATRIX 4 PAIR GAIN INVESTMENT PER CHANNEL FT.	MATRIX 5 COPPER INVESTMENT PER CHANNEL	MATRIX 7 AIR DRYER INVESTMENT PER CHANNEL	MATRIX 8 DROP WIRE ADJUSTMENT PER PAIR
5000.00	AERIAL						
26 Gauge PAIR GAIN ON COPPER	BURIED						
	UNDERGRND						
CO-LOCATED RT		1.000000	5,000				

CUSTOMER PREMISE CONNECTIONS:
AVERAGE BUILDING CABLE INVESTMENT
PER LOOP =
ORBINV =
P GAIN EQUIP NVST=
COND PG INV =

POLE LINE FACTOR =
POLE LINE INVESTMENT
(TOTAL AER FI INV x FACTOR)

UG CONDUIT FACTOR =
CONDUIT INVESTMENT =
(TOTAL UG FI INV x FACTOR)

INVESTMENT PER CHANNEL IN CENTRAL OFFICE
CONNECTORS =

MISC. COMMON EQPT. & POWER FACTOR =
MCE&P INVESTMENT (P GAIN INV+ORBINV x FACTOR) =
MCE&P INVESTMENT (CO CONN x FACTOR) =

LAND FACTOR =
LAND NVEST ((P GAIN INV+MCEP+ORBINV)xFACTOR) =
LAND NVEST ((CO CONN+MCEP)xFACTOR) =

BUILDING FACTOR =
BLDG NVEST ((P GAIN INV+MCEP+ORBINV)xFACTOR) =
BLDG NVEST ((CO CONN+MCEP)xFACTOR) =
PAIR GAIN FACTOR= 0.1026

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: THE SUBSCRIBER LINE CARRIER EQUIPMENT INVESTMENTS ARE DEVELOPED OUTSIDE OF THE SPREADSHEET WITH APPROPRIATE UTILIZATION FACTORS APPLIED.
NOTE 3: MATRIX 4 DEVELOPMENT SHOWN ON WORKSHEET 8 (#4).
NOTE 4: FOR 4 WIRE SERVICES ONLY, MATRIX 4 IS ALSO MULTIPLIED BY 2.

MONTHLY LOOP COST CALCULATION 5B EQV.

FACILITY TYPE: PAIR GAIN ON COPPER
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 5000
TIME= 10:56 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 UNIT INVESTMENTS			1990 TOTAL ANNUAL COSTS		1990 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	ANNUAL COST FACTOR	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111			12.0000				
BUILDING	2121			12.0000				
CONNECTIONS(W'ted)	2421			12.0000				
AERIAL CABLE (COPPER)	2421			12.0000				
BURIED CABLE (COPPER)	2423			12.0000				
UNDERGROUND CABLE (COPPER)	2422			12.0000				
CO EQPT - P GAIN	2211			12.0000				
MCE&P - DLC	2211			12.0000				
CO EQPT - ESS	2212			12.0000				
AERIAL CABLE (FIBER)	2421			12.0000				
BURIED CABLE (FIBER)	2423			12.0000				
UNDERGROUND CABLE (FIBER)	2422			12.0000				
POLE LINE	2411			12.0000				
CONDUIT	2441			12.0000				
SUBTOTALS								
TOTALS								

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.

MONTHLY LOOP COST CALCULATION 50 EQV.

FACILITY TYPE: PAIR GAIN ON COPPER
CIRCUIT QUANTITY: 1
LOOP DISTANCE (FT): 5000

DATE = 22-Sep-94
TIME= 10:56 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 TOTAL ANNUA COSTS		1990 TOTAL MONTHLY COSTS			1993 TOTAL ANNUAL COSTS		1993 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	1990 TO 1993 TPI	(g)	(h)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP		LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111					1.00000				
BUILDING	2121					1.08300				
CONNECTIONS(W'ted)	2421					1.00200				
AERIAL CABLE (COPPER)	2421					1.00200				
BURIED CABLE (COPPER)	2423					1.01800				
UNDERGROUND CABLE (COPPER)	2422					0.99200				
CO EQPT - P GAIN	2211					1.06200				
MCE&P - DLC	2211					1.06200				
CO EQPT - ESS	2212					0.88900				
AERIAL CABLE (FIBER)	2421					0.91300				
BURIED CABLE (FIBER)	2423					0.96400				
UNDERGROUND CABLE (FIBER)	2422					0.94900				
POLE LINE	2411					1.09100				
CONDUIT	2441					1.02500				
	SUBTOTAL:									
	TOTALS									

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.

WORKSHEET
COLOCATED HUB, RT, @ CP
FOR PAIR GAIN ON FIBER DESIGNS #4

DATE = 22-Sep-94
TIME= 10:56 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

LOOP LENGTH IN FEET AND DESIGN	TYPE OF FIBER PLANT	MATRIX 2 RELATIVE MIX OF FIBER TYPES	MATRIX 3 LOOP LENGTH BY TYPE OF PLANT	MATRIX 4 FIBER INVESTMENT PER CHANNEL FT.	MATRIX 5 FIBER INVESTMENT PER CHANNEL	MATRIX 7 AIR DRYER INVESTMENT PER CHANNEL	MATRIX 8 DROP WIRE ADJUSTMENT PER PAIR
5000.00	AERIAL						
CO-HUB	BURIED						
	UNDERGRND						
		1.000001	5,000				

COND PG INV =

P GAIN EQUIP NVST =

ADDN'L MUX AT HUB =

POLE LINE FACTOR =
POLE LINE INVESTMENT
(TOTAL AER FI INV x FACTOR)

UG CONDUIT FACTOR =
CONDUIT INVESTMENT =
(TOTAL UG FI INV x FACTOR)

INVESTMENT PER CHANNEL IN CENTRAL OFFICE
CONNECTORS =

MISC. COMMON EQPT. & POWER FACTOR =
MCE&P INV.(P GAIN INV +MUXINV)x FACTOR =
MCE&P INVESTMENT (CO CONN x FACTOR) =

LAND FACTOR =
LAND NVEST ((P GAIN INV+ MCEP+ MUX) x FACTOR) =
LAND NVEST ((CO CONN+MCEP)xFACTOR) =

BUILDING FACTOR =
BLDG NVEST ((P GAIN INV+ MCEP+ MUX) x FACTOR) =
BLDG NVEST ((CO CONN+MCEP)xFACTOR) =

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: THE SUBSCRIBER LINE CARRIER EQUIPMENT INVESTMENTS ARE DEVELOPED
OUTSIDE OF THE SPREADSHEET WITH APPROPRIATE UTILIZATION FACTORS APPLIED.

LOOP INVESTMENTS PER CIRCUIT SA-1 EQV.

FACILITY TYPE: PAIR GAIN ON FIBER
CIRCUIT QUANTITY: 1
LOOP DISTANCE (FT): 5000

DATE = 22-Sep-94
TIME= 10:56 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

			1990 UNIT INVESTMENTS			1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY EXCL. UTILIZATION			1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY INCL. UTILIZATION	
(a)	(b)	(c)	(d)	(e)		(f)	(g)	(h)	(i)	(j)
PLANT ITEM	USOA CODE	FIXED VARI SUNK	LOOP TERM EQUIP	LINE HAUL EQUIP	CIRCUIT QUANTITY	LOOP TERM EQUIP	LINE HAUL EQUIP	LINE FILL	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111	V			1			1.00		
BUILDING	2121	V			1			1.00		
CONNECTIONS(W'ted)	2421	V			1			1.00		
AERIAL CABLE	2421	V								
(COPPER)	2421	V								
BURIED CABLE	2423	V								
(COPPER)	2423	V								
UNDERGROUND CABLE	2422	V								
(COPPER)	2422	V								
CO EQPT - P GAIN	2211	V			1			1.00		
MCE&P - DLC	2211	V			1			1.00		
CO EQPT - ESS	2212	V			1			0.70		
AERIAL CABLE	2421	V			1			1.00		
(FIBER)	2421	V								
BURIED CABLE	2423	V			1			1.00		
(FIBER)	2423	V								
UNDERGROUND CABLE	2422	V			1			1.00		
(FIBER)	2422	V								
POLE LINE	2411	V			1			1.00		
CONDUIT	2441	V			1			1.00		

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: CO EQPT - P GAIN = PGAIN EQ NVST + ADDITIONAL MUX NVST @ HUB + MCE&P NVST.
NOTE 3: CO EQPT - ESS = INVEST. PER CHAN. IN C.O. CONNECTORS + MCE&P INV.

MONTHLY LOOP COST CALCULATION 5B EQV.

FACILITY TYPE: PAIR GAIN ON FIBER
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 5000
TIME= 10:56 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 UNIT INVESTMENTS			1990 TOTAL ANNUAL COSTS		1990 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	ANNUAL COST FACTOR	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111			12.0000				
BUILDING	2121			12.0000				
CONNECTIONS(W'ted)	2421			12.0000				
AERIAL CABLE (COPPER)	2421							
BURIED CABLE (COPPER)	2423							
UNDERGROUND CABLE (COPPER)	2422							
CO EQPT - P GAIN	2211			12.0000				
MCE&P - DLC	2211			12.0000				
CO EQPT - ESS	2212			12.0000				
AERIAL CABLE (FIBER)	2421			12.0000				
BURIED CABLE (FIBER)	2423			12.0000				
UNDERGROUND CABLE (FIBER)	2422			12.0000				
POLE LINE	2411			12.0000				
CONDUIT	2441			12.0000				
	SUBTOTALS							
	TOTALS							

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.

MONTHLY LOOP COST CALCULATION 5D EQV.

FACILITY TYPE: PAIR GAIN ON FIBER
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 5000
TIME= 10:56 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 TOTAL ANNUA COSTS		1990 TOTAL MONTHLY COSTS			1993 TOTAL ANNUAL COSTS		1993 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	1990 TO 1993 TPI	(g)	(h)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP		LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111					1.00000				
BUILDING	2121					1.08300				
CONNECTIONS(W'ted)	2421					1.00200				
AERIAL CABLE (COPPER)	2421									
BURIED CABLE (COPPER)	2423									
UNDERGROUND CABLE (COPPER)	2422									
CO EQPT - P GAIN	2211					1.06200				
MCE&P - DLC	2211					1.06200				
CO EQPT - ESS	2212					0.88900				
AERIAL CABLE (FIBER)	2421					0.91300				
BURIED CABLE (FIBER)	2423					0.96400				
UNDERGROUND CABLE (FIBER)	2422					0.94900				
POLE LINE	2411					1.09100				
CONDUIT	2441					1.02500				
	SUBTOTALS									
	TOTALS									

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.

WORKSHEET
(FOR HUBBED FIBER / RT-CABINET)
FOR PAIR GAIN ON FIBER DESIGNS #5

DATE = 22-Sep-94
TIME= 10:56 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

LOOP LENGTH IN FEET AND DESIGN	TYPE OF FIBER PLANT	MATRIX 2 RELATIVE MIX OF FIBER TYPES	MATRIX 3 LOOP LENGTH BY TYPE OF PLANT	MATRIX 4 FIBER INVESTMENT PER CHANNEL FT.	MATRIX 5 FIBER INVESTMENT PER CHANNEL	MATRIX 7 AIR DRYER INVESTMENT PER CHANNEL	MATRIX 8 DROP WIRE ADJUSTMENT PER PAIR
5000.00 CO-HUB	AERIAL						
	BURIED						
	UNDERGRND						
		1.000001	5,000				

COND PG INV =

P GAIN EQUIP NVST =

ADDN'L MUX AT HUB =

POLE LINE FACTOR =
POLE LINE INVESTMENT
(TOTAL AER FI INV x FACTOR)

UG CONDUIT FACTOR =
CONDUIT INVESTMENT =
(TOTAL UG FI INV x FACTOR)

INVESTMENT PER CHANNEL IN CENTRAL OFFICE
CONNECTORS =

MISC. COMMON EQPT. & POWER FACTOR =
MCE&P INV.(P GAIN INV +MUXINV)x FACTOR =
MCE&P INVESTMENT (CO CONN x FACTOR) =

LAND FACTOR =
LAND NVEST ((P GAIN INV+MCEP+MUX) x FACTOR) =
LAND NVEST ((CO CONN+MCEP)xFACTOR) =

BUILDING FACTOR =
BLDG NVEST ((P GAIN INV+MCEP+MUX) x FACTOR) =
BLDG NVEST ((CO CONN+MCEP)xFACTOR) =

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: THE SUBSCRIBER LINE CARRIER EQUIPMENT INVESTMENTS ARE DEVELOPED OUTSIDE OF THE SPREADSHEET WITH APPROPRIATE UTILIZATION FACTORS APPLIED.

5A-1 EQV.

FACILITY TYPE: PAIR GAIN ON FIBER
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 5000
TIME= 10:56 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

(a)	(b)	(c)	1990 UNIT INVESTMENTS (d)	(e)		1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY EXCL. UTILIZATION (f)	(g)	(h)	1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY INCL. UTILIZATION (i)	(j)
PLANT ITEM	USOA CODE	FIXED VARI SUNK	LOOP TERM EQUIP	LINE HAUL EQUIP	CIRCUIT QUANTITY	LOOP TERM EQUIP	LINE HAUL EQUIP	LINE FILL	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111	V			1			1.00		
BUILDING	2121	V			1			1.00		
CONNECTIONS(W'ted)	2421	V			1			1.00		
AERIAL CABLE	2421	V								
(COPPER)	2421	V								
BURIED CABLE	2423	V								
(COPPER)	2423	V								
UNDERGROUND CABLE	2422	V								
(COPPER)	2422	V								
CO EQPT - P GAIN	2211	V			1			1.00		
MCE&P - DLC	2211	V			1			1.00		
CO EQPT - ESS	2212	V			1			0.70		
AERIAL CABLE	2421	V			1			1.00		
(FIBER)	2421	V								
BURIED CABLE	2423	V			1			1.00		
(FIBER)	2423	V								
UNDERGROUND CABLE	2422	V			1			1.00		
(FIBER)	2422	V								
POLE LINE	2411	V			1			1.00		
CONDUIT	2441	V			1			1.00		

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: CO EQPT - P GAIN=PGAIN EQ NVST+ADDITIONAL MUX NVST @ HUB+MCE&P NVST
NOTE 3: CO EQPT - ESS = INVEST. PER CHAN. IN C.O. CONNECTORS + MCE&P INV.

58 EQV.

FACILITY TYPE: PAIR GAIN ON FIBER
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 5,000
TIME= 10:56 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 UNIT INVESTMENTS			1990 TOTAL ANNUAL COSTS		1990 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	ANNUAL COST FACTOR	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111			12.0000				
BUILDING	2121			12.0000				
CONNECTIONS(W'ted)	2421			12.0000				
AERIAL CABLE (COPPER)	2421							
BURIED CABLE (COPPER)	2423							
UNDERGROUND CABLE (COPPER)	2422							
CO EQPT - P GAIN	2211			12.0000				
MCE&P - DLC	2211			12.0000				
CO EQPT - ESS	2212			12.0000				
AERIAL CABLE (FIBER)	2421			12.0000				
BURIED CABLE (FIBER)	2423			12.0000				
UNDERGROUND CABLE (FIBER)	2422			12.0000				
POLE LINE	2411			12.0000				
CONDUIT	2441			12.0000				
	SUBTOTALS							
	TOTALS							

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.

SD EQV.

FACILITY TYPE: PAIR GAIN ON FIBER
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 5,000
TIME= 10:56 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 TOTAL ANNUA COSTS		1990 TOTAL MONTHLY COSTS			1993 TOTAL ANNUAL COSTS		1993 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	1990 TO 1993 TPI	(g)	(h)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP		LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111					1.00000				
BUILDING	2121					1.08300				
CONNECTIONS(W'ted)	2421					1.00200				
AERIAL CABLE (COPPER)	2421									
BURIED CABLE (COPPER)	2423									
UNDERGROUND CABLE (COPPER)	2422									
CO EQPT - P GAIN	2211					1.06200				
MCE&P - DLC	2211					1.06200				
CO EQPT - ESS	2212					0.88900				
AERIAL CABLE (FIBER)	2421					0.91300				
BURIED CABLE (FIBER)	2423					0.96400				
UNDERGROUND CABLE (FIBER)	2422					0.94900				
POLE LINE	2411					1.09100				
CONDUIT	2441					1.02500				
	SUBTOTALS									
	TOTALS									

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.

WORKSHEET
COLOCATED HUB, RT, @ CP
FOR PAIR GAIN ON FIBER DESIGNS #6

DATE = 22-Sep-94
TIME= 10:56 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

LOOP LENGTH IN FEET AND DESIGN	TYPE OF FIBER PLANT	MATRIX 2 RELATIVE MIX OF FIBER TYPES	MATRIX 3 LOOP LENGTH BY TYPE OF PLANT	MATRIX 4 FIBER INVESTMENT PER CHANNEL FT.	MATRIX 5 FIBER INVESTMENT PER CHANNEL	MATRIX 7 AIR DRYER INVESTMENT PER CHANNEL	MATRIX 8 DROP WIRE ADJUSTMENT PER PAIR
5000.00	AERIAL						
	BURIED						
	UNDERGRND						
		1.000001	5,000				

COND PG INV =

P GAIN EQUIP NVST =

ADDN'L MUX AT HUB =

POLE LINE FACTOR =
POLE LINE INVESTMENT
(TOTAL AER FI INV x FACTOR)

UG CONDUIT FACTOR =
CONDUIT INVESTMENT =
(TOTAL UG FI INV x FACTOR)

INVESTMENT PER CHANNEL IN CENTRAL OFFICE
CONNECTORS =

MISC. COMMON EQPT. & POWER FACTOR =
MCE&P INV.(P GAIN INV +MUXINV)x FACTOR =
MCE&P INVESTMENT (CO CONN x FACTOR) =

LAND FACTOR =
LAND NVEST ((P GAIN INV+MCEP+MUX) x FACTOR) =
LAND NVEST ((CO CONN+MCEP)xFACTOR) =

BUILDING FACTOR =
BLDG NVEST ((P GAIN INV+MCEP+MUX) x FACTOR) =
BLDG NVEST ((CO CONN+MCEP)xFACTOR) =

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: THE SUBSCRIBER LINE CARRIER EQUIPMENT INVESTMENTS ARE DEVELOPED
OUTSIDE OF THE SPREADSHEET WITH APPROPRIATE UTILIZATION FACTORS APPLIED.

LOOP INVESTMENTS PER CIRCUIT — SA-1 EQV.

FACILITY TYPE: PAIR GAIN ON FIBER
CIRCUIT QUANTITY: 1
LOOP DISTANCE (FT): 5000

DATE = 22-Sep-94
TIME= 10:56 AM

STATE: Florida — SERVICE CLASS: LIAL-NONINTEGRATED

(a)	(b)	(c)	1990 UNIT INVESTMENTS (d)	(e)		1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY EXCL. UTILIZATION (f)	(g)	(h)	1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY INCL. UTILIZATION (i)	(j)
PLANT ITEM	USOA CODE	FIXED VARI SUNK	LOOP TERM EQUIP	LINE HAUL EQUIP	CIRCUIT QUANTITY	LOOP TERM EQUIP	LINE HAUL EQUIP	LINE FILL	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111	V			1			1.00		
BUILDING	2121	V			1			1.00		
CONNECTIONS(W'ted)	2421	V			1			1.00		
AERIAL CABLE	2421	V								
(COPPER)	2421	V								
BURIED CABLE	2423	V								
(COPPER)	2423	V								
UNDERGROUND CABLE	2422	V								
(COPPER)	2422	V								
CO EQPT - P GAIN	2211	V			1			1.00		
MCE&P - DLC	2211	V			1			1.00		
CO EQPT - ESS	2212	V			1			0.70		
AERIAL CABLE	2421	V			1			1.00		
(FIBER)	2421	V								
BURIED CABLE	2423	V			1			1.00		
(FIBER)	2423	V								
UNDERGROUND CABLE	2422	V			1			1.00		
(FIBER)	2422	V								
POLE LINE	2411	V			1			1.00		
CONDUIT	2441	V			1			1.00		

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: CO EQPT - P GAIN=PGAIN EQ NVST+ADDITIONAL MUX NVST @ HUB+MCE&P NVST.
NOTE 3: CO EQPT - ESS = INVEST. PER CHAN. IN C.O. CONNECTORS + MCE&P INV.

MONTHLY LOOP COST CALCULATION 58 EQV.

FACILITY TYPE: PAIR GAIN ON FIBER
CIRCUIT QUANTITY: 1
LOOP DISTANCE (FT): 5,000

DATE = 22-Sep-94
TIME= 34599

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 UNIT INVESTMENTS			1990 TOTAL ANNUAL COSTS		1990 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	ANNUAL COST FACTOR	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111			12.0000				
BUILDING	2121			12.0000				
CONNECTIONS(W'ted)	2421			12.0000				
AERIAL CABLE (COPPER)	2421							
BURIED CABLE (COPPER)	2423							
UNDERGROUND CABLE (COPPER)	2422							
CO EQPT - P GAIN	2211			12.0000				
MCE&P - DLC	2211			12.0000				
CO EQPT - ESS	2212			12.0000				
AERIAL CABLE (FIBER)	2421			12.0000				
BURIED CABLE (FIBER)	2423			12.0000				
UNDERGROUND CABLE (FIBER)	2422			12.0000				
POLE LINE	2411			12.0000				
CONDUIT	2441			12.0000				
	SUBTOTALS							
	TOTALS							

MONTHLY LOOP COST CALCULATION 50 EQV.

FACILITY TYPE: PAIR GAIN ON FIBER
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 5,000
TIME= 34599

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 TOTAL ANNUA COSTS		1990 TOTAL MONTHLY COSTS			1993 TOTAL ANNUAL COSTS		1993 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	1990 TO 1993 TPI	(g)	(h)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP		LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111					1.00000				
BUILDING	2121					1.08300				
CONNECTIONS(W'ted)	2421					1.00200				
AERIAL CABLE (COPPER)	2421									
BURIED CABLE (COPPER)	2423									
UNDERGROUND CABLE (COPPER)	2422									
CO EQPT - P GAIN	2211					1.06200				
MCE&P - DLC	2211					1.06200				
CO EQPT - ESS	2212					0.88900				
AERIAL CABLE (FIBER)	2421					0.91300				
BURIED CABLE (FIBER)	2423					0.96400				
UNDERGROUND CABLE (FIBER)	2422					0.94900				
POLE LINE	2411					1.09100				
CONDUIT	2441					1.02500				
	SUBTOTALS									
	TOTALS									

WORKSHEET
TOTAL STUDY AREA
FIBER EXTENSION FROM HUB TO RT
FOR PAIR GAIN ON FIBER DESIGNS #1 AND 5

DATE = 22-Sep-94
TIME= 10:56 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

LOOP LENGTH IN FEET AND DESIGN	TYPE OF CABLE PLANT	MATRIX 2 RELATIVE MIX OF CABLE TYPES	MATRIX 3 LOOP LENGTH BY TYPE OF PLANT	MATRIX 4 FIBER INVESTMENT PER CIRCUIT FOOT	MATRIX 5 CABLE INVESTMENT PER CIRCUIT	MATRIX 7 AIR DRYER INVESTMENT PER PAIR	MATRIX 8 DROP WIRE ADJUSTMENT PER PAIR
4500.00 FIBER OPTIC FACILITIES HUB-RT	AERIAL						
	BURIED						
	UNDERGRND						
		1.000001	4,500				

CUSTOMER PREMISE CONNECTIONS:
AVERAGE BUILDING CABLE INVESTMENT PER LOOP =
ALL DROP WIRE AND OTHER INVESTMENT IS INCLUDED IN THE APPROPRIATE CABLE ACCOUNT INVESTMENT PER FCC MANDATE.

LAND FACTOR =
LAND NVST (FEMUX+MCEP) x FACTOR=

BUILDING FACTOR =
BUILDING NVST (FEMUX+MCEP) x FACTOR=

POLE LINE FACTOR =
POLE LINE INVESTMENT
(TOTAL AER CA INV x FACTOR)

MCE&P FACTOR =
MCE&P INVEST. =
(TOTAL MUX INV X FACTOR)

UG CONDUIT FACTOR =
CONDUIT INVESTMENT =
(TOTAL UG CA INV x FACTOR)

FIBER
MUX NVST =

NOTE 1: DESIGN AT THIS DISTANCE HAS NO LOAD COILS; THEREFORE, MATRIX 6 = 0.
NOTE 2: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.

HUB TO R.T. FACILITIES WORKSHEET 5A-1 EQV.

FACILITY TYPE: FIBER CABLE
CIRCUIT QUANTITY: 1
LOOP DISTANCE (FT): 4500

DATE = 22-Sep-94
TIME= 10:56 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

(a)	(b)	(c)	1990 UNIT INVESTMENTS (d)	(e)		1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY EXCL. UTILIZATION (f)	(g)	(h)	1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY INCL. UTILIZATION (i)	(j)
PLANT ITEM	USOA CODE	FIXED VARI SUNK	LOOP TERM EQUIP	LINE HAUL EQUIP	CIRCUIT QUANTITY	LOOP TERM EQUIP	LINE HAUL EQUIP	LINE FILL	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111	V			1			1.00		
BUILDING	2121	V			1			1.00		
AERIAL CABLE	2421	V			1			1.00		
					1					
AIR DRYER	2421	V			1			1.00		
MISC.	2421	V			1			1.00		
BURIED CABLE	2423	V			1			1.00		
					1					
AIR DRYER	2423	V			1			1.00		
MISC.	2423	V			1			1.00		
UNDERGROUND CABLE	2422	V			1			1.00		
					1					
AIR DRYER	2422	V			1			1.00		
MISC.	2422	V			1			1.00		
CONNECTORS	2211	V			1			1.00		
MCE&P - DLC	2211	V			1			1.00		
POLE LINE	2411	V			1			1.00		
CONDUIT	2441	V			1			1.00		
FEMUX	2211	V			1			1.00		

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.

HUB TO R.T. FACILITIES WORKSHEET 58 EQV.

FACILITY TYPE: FIBER CABLE
CIRCUIT QUANTITY: 1
LOOP DISTANCE (FT): 4,500

DATE = 22-Sep-94
TIME= 10:56 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 UNIT INVESTMENTS			1990 TOTAL ANNUAL COSTS		1990 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	ANNUAL COST FACTOR	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111			12.0000				
BUILDING	2121			12.0000				
	2421							
AERIAL CABLE (COPPER)	2421			12.0000				
BURIED CABLE (COPPER)	2423			12.0000				
UNDERGROUND CABLE (COPPER)	2422			12.0000				
CO EQPT - P GAIN	2211			12.0000				
MCE&P - DLC	2211			12.0000				
CO EQPT - ESS	2212			12.0000				
AERIAL CABLE (FIBER)	2421			12.0000				
BURIED CABLE (FIBER)	2423			12.0000				
UNDERGROUND CABLE (FIBER)	2422			12.0000				
POLE LINE	2411			12.0000				
CONDUIT	2441			12.0000				
	SUBTOTALS							
	TOTALS							

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: FEMUX W/MCEPFEMUX = FEMUX INV.+ MCE&P INV.

HUB TO R.T. FACILITIES WORKSHEET 5D EQV.

FACILITY TYPE: FIBER CABLE
CIRCUIT QUANTITY: 1
LOOP DISTANCE (FT): 4,500

DATE = 22-Sep-94
TIME= 10:56 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 TOTAL ANNUA COSTS		1990 TOTAL MONTHLY COSTS			1993 TOTAL ANNUA COSTS		1993 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	1990 TO 1993 TPI	(g)	(h)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP		LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111					1.0000				
BUILDING	2121					1.0830				
	2421									
AERIAL CABLE (COPPER)	2421					1.0020				
BURIED CABLE (COPPER)	2423					1.0180				
UNDERGROUND CABLE (COPPER)	2422					0.9920				
CO EQPT - P GAIN	2211					1.0620				
HCE&P - DLC	2211					1.0620				
CO EQPT - ESS	2212					0.8890				
AERIAL CABLE (FIBER)	2421					0.9130				
BURIED CABLE (FIBER)	2423					0.9640				
UNDERGROUND CABLE (FIBER)	2422					0.9490				
POLE LINE	2411					1.0910				
CONDUIT	2441									
	SUBTOTALS									
	TOTALS									

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.

COPPER EXTENSION FROM HUB TO RT
FOR PAIR GAIN ON FIBER DESIGNS #2 & #6

DATE = 22-Sep-94
TIME= 10:56 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

LOOP LENGTH IN FEET AND DESIGN	TYPE OF CABLE PLANT	MATRIX 2 RELATIVE MIX OF CABLE TYPES	MATRIX 3 LOOP LENGTH BY TYPE OF PLANT	MATRIX 4 CABLE INVESTMENT PER PAIR FOOT	MATRIX 5 CABLE INVESTMENT PER PAIR	MATRIX 7 AIR DRYER INVESTMENT PER PAIR	MATRIX 8 DROP WIRE ADJUSTMENT PER PAIR
4500.00	AERIAL						
CONSIDERS 22G, 24G & 26G HUB-RT	BURIED						
	UNDERGRND						
		1.000000	4,500				

ALL DROP WIRE AND OTHER INVESTMENT IS INCLUDED IN THE APPROPRIATE CABLE ACCOUNT INVESTMENT PER FCC MANDATE.

PAIR GAIN FACTOR= 0.1026

ORBINVEST=

MISC. COMMON EQPT. & POWER FACTOR =

MCE&P INVESTMENT (ORBINV x FACTOR) =

POLE LINE FACTOR =

POLE LINE INVESTMENT
(TOTAL AER CA INV x FACTOR)

LAND FACTOR =

LAND NVEST ((MCEP+ORBINV)xFACTOR) =

UG CONDUIT FACTOR =

CONDUIT INVESTMENT =
(TOTAL UG CA INV x FACTOR)

BUILDING FACTOR =

BLDG NVEST ((MCEP+ORBINV)xFACTOR) =

NOTE 1: DESIGN AT THIS DISTANCE HAS NO LOAD COILS; THEREFORE, MATRIX 6 = 0.
NOTE 2: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 3: TOTAL CABLE INVESTMENT = CABLE INV + LOAD COIL INV + AIR DRYER INV + MISC INV.
NOTE 4: MATRIX 8 = MATRIX 5 x DROP WIRE ADJUSTMENT
NOTE 5: MATRIX 2 DEVELOPMENT SHOWN ON WORKSHEET A (#9).
NOTE 6: MATRIX 4 DEVELOPMENT SHOWN ON WORKSHEET A (#8).
NOTE 7: FOR 4 WIRE SERVICES ONLY, MATRIX 4 IS ALSO MULTIPLIED BY 2.

COPPER EXTENSION FROM HUB TO RT — 5A-1 EQV.
FACILITY TYPE: COPPER CABLE
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94
TIME= 10:56 AM
LOOP DISTANCE (FT): 4500
FOR PAIR GAIN ON FIBER DESIGNS #2 & #6

STATE: Florida — SERVICE CLASS: LIAL-NONINTEGRATED

(a)	(b)	(c)	1990 UNIT INVESTMENTS (d)	(e)		1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY EXCL. UTILIZATION (f)	(g)	(h)	1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY INCL. UTILIZATION (i)	(j)
PLANT ITEM	USOA CODE	FIXED VARI SUNK	LOOP TERM EQUIP	LINE HAUL EQUIP	CIRCUIT QUANTITY	LOOP TERM EQUIP	LINE HAUL EQUIP	LINE FILL	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111	V			1			1.00		
BUILDING	2121	V			1			1.00		
CONNECTIONS(W'ted)	2421	V			1			1.00		
AERIAL CABLE	2421	V			1			0.70		
					1					
AIR DRYER	2421	V			1			0.70		
MISC.	2421	V			1			0.70		
BURIED CABLE	2423	V			1			0.70		
					1					
AIR DRYER	2423	V			1			0.70		
MISC.	2423	V			1			0.70		
UNDERGROUND CABLE	2422	V			1			0.70		
					1					
AIR DRYER	2422	V			1			0.70		
MISC.	2422	V			1			0.70		
CONNECTORS	2211	V			1			0.70		
MCE&P - DLC	2211	V			1			0.70		
POLE LINE	2411	V			1			0.70		
CONDUIT	2441	V			1			0.70		
ORBINV	2211	V			1			1.00		

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.

COPPER EXTENSION FROM HUB TO RT — 5B EQV.
FACILITY TYPE: COPPER CABLE
CIRCUIT QUANTITY: 1
DATE = 22-Sep-94 LOOP DISTANCE (FT): 4500
TIME= 10:56 AM FOR PAIR GAIN ON FIBER DESIGNS #2 & #6

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 UNIT INVESTMENTS			1990 TOTAL ANNUAL COSTS		1990 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	ANNUAL COST FACTOR	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111			12.0000				
BUILDING	2121			12.0000				
CONNECTIONS(W'ted)	2421			12.0000				
AERIAL CABLE (COPPER)	2421			12.0000				
BURIED CABLE (COPPER)	2423			12.0000				
UNDERGROUND CABLE (COPPER)	2422			12.0000				
CO EQPT - P GAIN	2211			12.0000				
MCE&P - DLC	2211			12.0000				
CO EQPT - ESS	2212			12.0000				
AERIAL CABLE (FIBER)	2421			12.0000				
BURIED CABLE (FIBER)	2423			12.0000				
UNDERGROUND CABLE (FIBER)	2422			12.0000				
POLE LINE	2411			12.0000				
CONDUIT	2441			12.0000				
SUBTOTALS								
TOTALS								

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.
NOTE 2: CO EQPT - P GAIN = MCE&P INVEST + ORBINV.

COPPER EXTENSION FROM HUB TO RT — 50 EQV.
FACILITY TYPE: COPPER CABLE
CIRCUIT QUANTITY: 1
LOOP DISTANCE (FT): 4500
FOR PAIR GAIN ON FIBER DESIGNS #2 & #6

DATE = 22-Sep-94
TIME= 10:56 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 TOTAL ANNUA COSTS		1990 TOTAL MONTHLY COSTS			1993 TOTAL ANNUA COSTS		1993 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	1990 TO 1993 TPI	(g)	(h)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP		LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111					1.00000				
BUILDING	2121					1.08300				
CONNECTIONS(W'ted)	2421					1.00200				
AERIAL CABLE (COPPER)	2421					1.00200				
BURIED CABLE (COPPER)	2423					1.01800				
UNDERGROUND CABLE (COPPER)	2422					0.99200				
CO EQPT - P GAIN	2211					1.06200				
MCE&P - DLC	2211					1.06200				
CO EQPT - ESS	2212					0.88900				
AERIAL CABLE (FIBER)	2421									
BURIED CABLE (FIBER)	2423									
UNDERGROUND CABLE (FIBER)	2422									
POLE LINE	2411					1.09100				
CONDUIT	2441					1.02500				
	SUBTOTALS									
	TOTALS									

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.

BUILDING CABLE & TERMINAL INVESTMENT WORKSHEET
* USED IN WORKSHEET E FOR CALCULATION OF PAIR GAIN MONTHLY COSTS *

DATE = 22-Sep-94
TIME= 10:56 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

TYPE OF PLANT ITEM	(A) PLANT INVESTMENT	(B) PROB OF OCCURANCE	(C=A*B) WEIGHTED INVESTMENT
INTRABLDG CABLE			
BLDG ENTR CA (COPPER)			
BLDG ENTR CA4(FIBER)			
BLDG ENTR CA5(FIBER)			
AERIAL TERMINAL			
BURIED TERMINAL			
AERIAL DROP WIRE			
BURIED DROP WIRE			

POLE LINE FACTOR=
POLE LINE INVESTMENT=
(POLE FACTOR x AERIAL INV.)

NOTE: FOR 4 WIRE SERVICES ONLY, THE ABOVE PLANT INVESTMENTS HAVE BEEN DOUBLED.

MONTHLY LOOP COST CALCULATION 5A-1 EQV.
BUILDING CABLE & TERMINAL INVESTMENT WORKSHEET

DATE = 22-Sep-94
TIME= 10:56 AM

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

			1990 UNIT INVESTMENTS		1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY EXCL. UTILIZATION				1990 UNIT INVESTMENTS FOR CIRCUIT QUANTITY INCL. UTILIZATION	
(a)	(b)	(c)	(d)	(e)		(f)	(g)	(h)	(i)	(j)
PLANT ITEM	USOA CODE	FIXED VARI SUNK	LOOP TERM EQUIP	LINE HAUL EQUIP	CIRCUIT QUANTITY	LOOP TERM EQUIP	LINE HAUL EQUIP	LINE FILL	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111	V								
BUILDING	2121	V								
BLDG ENT CBLE (CU)	2421	V			1			1.00		
BLDG ENT CBLE4(FIB	2421	V			1			1.00		
BLDG ENT CBLE5(FIB	2421	V			1			1.00		
INTRABLDG CABLE	2421	V			1			1.00		
AERIAL CABLE	2421	V								
(COPPER)	2421	V			1			0.70		
BURIED CABLE	2423	V								
(COPPER)	2423	V			1			0.70		
UNDERGROUND CABLE	2422	V								
(COPPER)	2422	V								
CO EQPT - P GAIN	2211	V								
CO EQPT - ESS	2212	V								
AERIAL CABLE	2421	V								
(FIBER)	2421	V								
BURIED CABLE	2423	V								
(FIBER)	2423	V								
UNDERGROUND CABLE	2422	V								
(FIBER)	2422	V								
POLE LINE	2411	V			1					
CONDUIT	2441	V								

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.

MONTHLY LOOP COST CALCULATION 5B EQV.

DATE = 22-Sep-94
TIME= 10:56 AM

BUILDING CABLE & TERMINAL INVESTMENT WORKSHEET

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 UNIT INVESTMENTS			1990 TOTAL ANNUAL COSTS		1990 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	ANNUAL COST FACTOR	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111							
BUILDING	2121							
BLDG ENT CBLE (CU)	2421			12.0000				
BLDG ENT CBLE4(FIB)	2421			12.0000				
BLDG ENT CBLE5(FIB)	2421			12.0000				
INTRABLDG CABLE	2421			12.0000				
AERIAL CABLE (TERMINAL)	2421			12.0000				
BURIED CABLE (TERMINAL)	2423			12.0000				
UNDERGROUND CABLE (COPPER)	2422							
CO EQPT - P GAIN	2211							
CO EQPT - ESS	2212							
AERIAL CABLE (FIBER)	2421							
BURIED CABLE (FIBER)	2423							
UNDERGROUND CABLE (FIBER)	2422							
POLE LINE	2411			12.0000				
CONDUIT	2441							
	SUBTOTALS							
	TOTALS							

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.

MONTHLY LOOP COST CALCULATION 5D EQV.

DATE = 22-Sep-94
TIME= 10:56 AM

BUILDING CABLE & TERMINAL INVESTMENT WORKSHEET

STATE: Florida SERVICE CLASS: LIAL-NONINTEGRATED

		1990 TOTAL ANNUA COSTS		1990 TOTAL MONTHLY COSTS			1993 TOTAL ANNUAL COSTS		1993 TOTAL MONTHLY COSTS	
(a)	(b)	(c)	(d)	(e)	(f)	1990 TO 1993 TPI	(g)	(h)	(i)	(j)
PLANT ITEM	USOA CODE	LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP		LOOP TERM EQUIP	LINE HAUL EQUIP	LOOP TERM EQUIP	LINE HAUL EQUIP
LAND	2111									
BUILDING	2121									
BLDG ENT CBLE (CU)	2421					1.00200				
BLDG ENT CBLE4(FIB)	2421					0.91300				
BLDG ENT CBLE5(FIB)	2421					0.91300				
INTRABLDG CABLE	2421					0.99200				
AERIAL CABLE (TERMINAL)	2421					1.00200				
BURIED CABLE (TERMINAL)	2423					1.01800				
UNDERGROUND CABLE (COPPER)	2422									
CO EQPT - P GAIN	2211									
CO EQPT - ESS	2212									
AERIAL CABLE (FIBER)	2421									
BURIED CABLE (FIBER)	2423									
UNDERGROUND CABLE (FIBER)	2422									
POLE LINE	2411					1.09100				
CONDUIT	2441									
	SUBTOTALS									
	TOTALS									

NOTE 1: APPARENT INCONSISTANCIES CAUSED BY COMPUTER ROUNDING.

	ST =	Florida			STUDY DATE =	22-Sep-94				
	COM =	13.34%			TIME=	10:56:06 AM				
	SC =	LIAL-NONINTEGRATED			INVESTMENT YEAR =	1990			COPPER TECHNOLOGY	
					LOOP PROB. STUDY =	1988			GAUGE MIX:	
	FTYPE1 =	COPPER CABLE			STUDY YEAR=	1993				
	FTYPE2 =	PAIR GAIN ON FIBER			TYPE =	NON-INTEGRATED			COPPER26 =	1.00
	FTYPE3 =	PAIR GAIN ON COPPER	FILE NAME:	N:\LIAL1994\FL\FLPSURV\FLLOOPN					COPPER24 =	
									COPPER22 =	
9	PA26=	0.132308	PFIA26 =		AIRDA =		MISCA =			----------
10	PB26=	0.691954	PFIB26 =		AIRDB =		MISCB =		TOT. PROB=	1.00
11	PU26=	0.175738	PFIU26 =		AIRDU =		MISCU =			
	TOTAL =	1.000000			--------DISTANCE BANDS----------		---------ACF's----------		---------TPI's--------	
					BAND1 =	1,000	LAND =	12.0000	LTPI =	1.000
14	PA24 =	0.167261	PFIA24 =		BAND2 =	2,000	BLDG =	12.0000	BDTPI =	1.083
15	PB24 =	0.687889	PFIB24 =		BAND3 =	3,000	CON =	12.0000	NTPI =	1.002
16	PU24 =	0.144850	PFIU24 =		BAND4 =	4,000	ACFIBC =	12.0000	IBCTPI =	0.992
1	TOTAL =	1.000000			BAND5 =	5,000	ACC =	12.0000	ATPI =	1.002
					BAND6 =	6,000	BCC =	12.0000	BTPI =	1.018
19	PA22 =	0.173245	PFIA22 =		BAND7 =	7,000	UCC =	12.0000	UTPI =	0.992
20	PB22 =	0.725519	PFIB22 =		BAND8 =	8,000	PGAIN =	12.0000	XTPI =	1.062
21	PU22 =	0.101236	PFIU22 =		BAND9 =	9,000	CONF =	12.0000	COMTPI =	0.889
	TOTAL =	1.000000			BAND10 =	10,000	AFC =	12.0000	AFTPI =	0.913
					BAND11 =	11,000	BFC =	12.0000	BFTPI =	0.964
27	PROBAF =	0.063508	FPIAF =		BAND12 =	12,000	UFC =	12.0000	UFTPI =	0.949
25	PROBBF =	0.349285	PFIBF =		BAND13 =		POLE =	12.0000	PTPI =	1.091
26	PROBUF =	0.587208	PFIUF =		BAND14 =		COND =	12.0000	CTPI =	1.025
	TOTAL =	1.000001			BAND15 =		FBLDG =	12.0000	FBDTPI =	0.913
			MFTINV =		BAND16 =		MFTACF =	12.0000	MFTTPI =	1.069
			MCEP57 =		BAND17 =		PFEXT =	1.00		
30	COI77C =		MFTFILL =	1.00	BAND18 =		PCEXT =		PGGAUGE =	26
31	COI77PG =		MFTPROB =	0.1000	BAND19 =		TOTAL PROB=	1.00		
			CIRC =	1	BAND20 =					
33	REPEATER=		CFILL =	0.70	----PROBABILITY OF D. BANDS----		PG DEPLOYMENT	12,000	PFIAFH =	
34			FFILL =	1.00	PBAND1 =	0.0103			PFIBFH =	
35	MCEP77 =		257CFILL=	1.00	PBAND2 =	0.0137	PHUB&RT COL =	0.06	PFIUFH =	
	LANDF77 =		BECFILL =	1.00	PBAND3 =	0.0137	PRT&CP COL =	0.11		
37	BLDGF77 =		COEFILL =	0.70	PBAND4 =	0.0240			IBC(52C) =	
					PBAND5 =	0.0411	PGFACTOR=	0.1026	PROBIBC =	
	CPLF =		MCEP257 =		PBAND6 =	0.0685				
40	CUCF =		LANDF257 =		PBAND7 =	0.0719	PRTF =	1.00	BEC(12C) =	
	FPLF =		LDGF257 =		PBAND8 =	0.0342	PRTC =		PROBBEC =	
42	FUCF =				PBAND9 =	0.0479			FBEC4(812C)	
			CO-HUB =	17,018	PBAND10 =	0.0548			PROBFBEC4 =	
44	UNVPGINV		HUB-RT =	4,500	PBAND11 =	0.0274	PAIR GAIN RT WEIGHTINGS		FBEC5(812C)	
45	ORBINV		RT-DIST =	4,000	PBAND12 =	0.0445	----------		PROBFBEC5=	
46	INTPGINV				PBAND13 =		< FIBER >		TERMA =	
47	HUBMUXNVST				PBAND14 =		DESIGN 1:	0.84	PROBTERMA =	
48	HUBMUX2		LAST BAND=	21,018	PBAND15 =		DESIGN 2:			
49	FEMUX		LAST BND=	0.55	PBAND16 =		DESIGN 3:	0.05	TERMB =	
50	CONPGNVST				PBAND17 =		DESIGN 4:	0.01	PROBTERMB =	
	RTARATIO =	1.000000			PBAND18 =		DESIGN 5:	0.10		
					PBAND19 =		DESIGN 6:		POWI22C =	
	COP PROB. RT-DIST:		HUB-RT PROB-CG:		PBAND20 =				---- ADROPINV =	
							TOTAL =	1.00		

GRT-D22 =	HUB-RT-22		PROB OF BANDS 1-20 =	0.452061		PDWI45C =
PGRT-D24 =	HUB-RT-24		PROB OF LAST BAND =	0.547939	< COPPER >	BDROPINV =
PGRT-D26 =	1.00 HUB-RT-26	1.00		---	DESIGN 1:	
	-----	-----	TOTAL PROBABILITIES=	1.000000	DESIGN 2:	

DATE = 22-SEP-94
TIME= 10:56 AM

1993 FLORIDA
* MOST ECONOMICAL COSTS SUMMARY SHEET *
SERVICE CLASS= LIAL-NONINTEGRATED

FLAT RATE ANALYSIS

LOOP LENGTH IN FEET	BAND	MONTHLY COPPER TECHNOLOGY	MONTHLY PAIR GAIN ON COPPER	MONTHLY PAIR GAIN ON FIBER	MONTHLY ECONOMICAL COST
1,000	1		N/A		
2,000	2		N/A		
3,000	3		N/A		
4,000	4		N/A		
5,000	5				
6,000	6				
7,000	7				
8,000	8				
9,000	9				
10,000	10				
11,000	11				
12,000	12				

21,018 LAST BAND ---------

NOTE 1: "N/A" DENOTES THOSE BANDS IN WHICH PAIR GAIN IS NOT APPLICABLE BECAUSE THE BAND'S DISTANCE IS LESS THAN THAT FROM THE REMOTE TERMINAL TO THE CUSTOMER PREMISES.

NOTE 2: ONLY PAIR GAIN ECONOMICAL COSTS ARE CONSIDERED AFTER THE COMPANY LOOP DEPLOYMENT GUIDELINE DISTANCE IS REACHED.
--------- THE CURRENT GUIDELINE IS: 12,000 FEET.

State: Florida
Service: Unbundled Loop

10/11/95
Page 1

Flat Rate
Cost Summary

Total Investment	Total Annual Cost	Total Monthly Cost

7

STUDY PARAMETERS

STATE: Florida

JURISDICTION: Intrastate

SERVICE: Unbundled Loop

RATE STRUCTURE OF STUDY: Flat Rate

TYPE OF COSTS PROVIDED: Directly Assigned

PROBABILITY OF INTEGRATED CIRCUITS: 0.0000

PROBABILITY OF NON-INTEGRATED CIRCUITS: 1.0000

DISTANCE FROM CENTRAL OFFICE WHEN ONLY DLC IS DEPLOYED: 12000

12 ANNUAL LMOS ADDITIVE FOR EACH CIRCUIT: $

At what level (years) are the costs provided: 1994-1996

Band	Probability
Band 1	.0103
Band 2	.0137
Band 3	.0137
Band 4	.0240
Band 5	.0411
Band 6	.0685
Band 7	.0719
Band 8	.0342
Band 9	.0479
Band 10	.0548
Band 11	.0274
Band 12	.0446
Band 13	
Band 14	
Band 15	
Band 16	
Band 17	
Band 18	
Band 19	
Band 20	
Last Band	.5479

Total 1.0000

STATE: Florida
SERVICE: Unbundled Loop
COSTS: Directly Assigned
COM: 12.96

INVESTMENT/COST BY ACCOUNT CODE

Band 1 1000 Feet

COPPER

Item (A)	Code (B)	Investment (C)	Levelization Factor (D)	Loading Factor (E)	Levelized Investment *(F=C*D*E)*	Annual Cost Factor (G)	Annual Cost (H=F*G)
Aerial Cable	22C						
Bldg Entrance Cble	12C						
Building	10C						
Buried Cable	45C						
Co Eqpt - Ess	377C						
Conduit	4C						
Intrabldg Cable	52C						
Land	20C						
MCE&P	377C						
Pole	1C						
Underground Cable	5C						
Total							

Minimum Cost Technology - COPPER

(F) MCE&P calculation = --7C Investment (Col. C) * Level. Factor (Col. D) * Loading Factor (Col. E)
Land & Building calculations = --7C Investment (Col. C) * Level. Factor (Col. D) + MCE&P Level. Investment (Col. F) * Loading Factor (Col. E)
Pole calculation = 22C or 822C Investment (Col. C) * Level. Factor (Col. D) * Loading Factor (Col. E)
Conduit calculation = --5C Investment (Col. C) * Level. Factor (Col. D) * Loading Factor (Col. E)

INVESTMENT/COST BY ACCOUNT CODE

Band 2 2000 Feet

COPPER

Item (A)	Code (B)	Investment (C)	Levelization Factor (D)	Loading Factor (E)	Levelized Investment *(F=C*D*E)*	Annual Cost Factor (G)	Annual Cost (H=F*G)
Aerial Cable	22C						
Bldg Entrance Cble	12C						
Building	10C						
Buried Cable	45C						
Co Eqpt - Ess	377C						
Conduit	4C						
Intrabldg Cable	52C						
Land	20C						
MCE&P	377C						
Pole	1C						
Underground Cable	5C						
Total							

Minimum Cost Technology - COPPER

00002042

FI8B012

(F) MCE&P calculation = --7C Investment (Col. C) * Level. Factor (Col. D) * Loading Factor (Col. E)
Land & Building calculations = --7C Investment (Col. C) * Level. Factor (Col. D) * MCE&P Level. Investment (Col. F) * Loading Factor (Col. E)
Pole calculation = 22C or 822C Investment (Col. C) * Level. Factor (Col. D) * Loading Factor (Col. E)
Conduit calculation = --5C Investment (Col. C) * Level. Factor (Col. D) * Loading Factor (Col. E)

INVESTMENT/COST BY ACCOUNT CODE

Band 3 3000 Feet

COPPER

Item (A)	Code (B)	Investment (C)	Levelization Factor (D)	Loading Factor (E)	Levelized Investment *(F=C*D*E)*	Annual Cost Factor (G)	Annual Cost (H=F*G)
Aerial Cable	22C						
Bldg Entrance Cble	12C						
Building	10C						
Buried Cable	45C						
Co Eqpt - Ess	377C						
Conduit	4C						
Intrabldg Cable	52C						
Land	20C						
MCE&P	377C						
Pole	1C						
Underground Cable	5C						
Total							

Minimum Cost Technology - COPPER

(F) MCE&P calculation = --7C Investment (Col. C) * Level. Factor (Col. D) * Loading Factor (Col. E)
Land & Building calculations = --7C Investment (Col. C) * Level. Factor (Col. D) + MCE&P Level. Investment (Col. F) * Loading Factor (Col. E)
Pole calculation = 22C or 822C Investment (Col. C) * Level. Factor (Col. D) * Loading Factor (Col. E)
Conduit calculation = --5C Investment (Col. C) * Level. Factor (Col. D) * Loading Factor (Col. E)

FLAR012 00002203

INVESTMENT/COST BY ACCOUNT CODE

Band 4 4000 Feet

COPPER

Item (A)	Code (B)	Investment (C)	Levelization Factor (D)	Loading Factor (E)	Levelized Investment *(F=C*D*E)*	Annual Cost Factor (G)	Annual Cost (H=F*G)
Aerial Cable	22C						
Bldg Entrance Cble	12C						
Building	10C						
Buried Cable	45C						
Co Eqpt - Ess	377C						
Conduit	4C						
Intrabldg Cable	52C						
Land	20C						
MCE&P	377C						
Pole	1C						
Underground Cable	5C						
Total							

Minimum Cost Technology - COPPER

00002014

F18B012

(F) MCE&P calculation = --7C Investment (Col. C) * Level. Factor (Col. D) * Loading Factor (Col. E)
Land & Building calculations = --7C Investment (Col. C) * Level. Factor (Col. D) * MCE&P Level. Investment (Col. F) * Loading Factor (Col. E)
Pole calculation = 22C or 822C Investment (Col. C) * Level. Factor (Col. D) * Loading Factor (Col. E)
Conduit calculation = --5C Investment (Col. C) * Level. Factor (Col. D) * Loading Factor (Col. E)

INVESTMENT/COST BY ACCOUNT CODE

Band 5 5000 Feet

COPPER

Item (A)	Code (B)	Investment (C)	Levelization Factor (D)	Loading Factor (E)	Levelized Investment *(F=C*D*E)*	Annual Cost Factor (G)	Annual Cost (H=F*G)
Aerial Cable	22C						
Bldg Entrance Cble	12C						
Building	10C						
Buried Cable	45C						
Co Eqpt - Ess	377C						
Conduit	4C						
Intrabldg Cable	52C						
Land	20C						
MCE&P	377C						
Pole	1C						
Underground Cable	5C						
Total							

DLC-FIBER

Item (A)	Code (B)	Investment (C)	Levelization Factor (D)	Loading Factor (E)	Levelized Investment *(F=C*D*E)*	Annual Cost Factor (G)	Annual Cost (H=F*G)
Aerial Cable	22C						
Aerial Cable	822C						
Bldg Ent Ca	812C						
Bldg Entrance Cble	12C						
Building	10C						
Building	10C						
Buried Cable	45C						
Buried Cable	845C						
Co Eqpt - Ess	377C						
Co Eqpt - P Gain	257C						
Conduit	4C						
Conduit	84C						
Land	20C						
Land	20C						
MCE&P	257C						
MCE&P	377C						
Pole	1C						
Pole	811C						
Underground Cable	85C						
Total							

Minimum Cost Technology - COPPER

(F) MCE&P calculation = --7C Investment (Col. C) * Level. Factor (Col. D) * Loading Factor (Col. E)
Land & Building calculations = --7C Investment (Col. C) * Level. Factor (Col. D) + MCE&P Level. Investment (Col. F) * Loading Factor (Col. E)
Pole calculation = 22C or 822C Investment (Col. C) * Level. Factor (Col. D) * Loading Factor (Col. E)
Conduit calculation = --5C Investment (Col. C) * Level. Factor (Col. D) * Loading Factor (Col. E)

INVESTMENT/COST BY ACCOUNT CODE

Band 6 6000 Feet

COPPER

Item (A)	Code (B)	Investment (C)	Levelization Factor (D)	Loading Factor (E)	Levelized Investment *(F=C*D*E)*	Annual Cost Factor (G)	Annual Cost (H=F*G)
Aerial Cable	22C						
Bldg Entrance Cble	12C						
Building	10C						
Buried Cable	45C						
Co Eqpt - Ess	377C						
Conduit	4C						
Intrabldg Cable	52C						
Land	20C						
MCE&P	377C						
Pole	1C						
Underground Cable	5C						
Total							

DLC-FIBER

Item (A)	Code (B)	Investment (C)	Levelization Factor (D)	Loading Factor (E)	Levelized Investment *(F=C*D*E)*	Annual Cost Factor (G)	Annual Cost (H=F*G)
Aerial Cable	22C						
Aerial Cable	822C						
Bldg Ent Ca	812C						
Bldg Entrance Cble	12C						
Building	10C						
Building	10C						
Buried Cable	45C						
Buried Cable	845C						
Co Eqpt - Ess	377C						
Co Eqpt - P Gain	257C						
Conduit	4C						
Conduit	84C						
Land	20C						
Land	20C						
MCE&P	257C						
MCE&P	377C						
Pole	1C						
Pole	811C						
Underground Cable	85C						
Total							

Minimum Cost Technology - COPPER

(F) MCE&P calculation = --7C Investment (Col. C) * Level. Factor (Col. D) * Loading Factor (Col. E)
Land & Building calculations = --7C Investment (Col. C) * Level. Factor (Col. D) + MCE&P Level. Investment (Col. F) * Loading Factor (Col. E)
Pole calculation = 22C or 822C Investment (Col. C) * Level. Factor (Col. D) * Loading Factor (Col. E)
Conduit calculation = --5C Investment (Col. C) * Level. Factor (Col. D) * Loading Factor (Col. E)

INVESTMENT/COST BY ACCOUNT CODE

Band 7 7000 Feet

COPPER

Item (A)	Code (B)	Investment (C)	Levelization Factor (D)	Loading Factor (E)	Levelized Investment *(F=C*D*E)*	Annual Cost Factor (G)	Annual Cost (H=F*G)
Aerial Cable	22C						
Bldg Entrance Cble	12C						
Building	10C						
Buried Cable	45C						
Co Eqpt - Ess	377C						
Conduit	4C						
Intrabldg Cable	52C						
Land	20C						
MCE&P	377C						
Pole	1C						
Underground Cable	5C						
Total							

DLC-FIBER

Item (A)	Code (B)	Investment (C)	Levelization Factor (D)	Loading Factor (E)	Levelized Investment *(F=C*D*E)*	Annual Cost Factor (G)	Annual Cost (H=F*G)
Aerial Cable	22C						
Aerial Cable	822C						
Bldg Ent Ca	812C						
Bldg Entrance Cble	12C						
Building	10C						
Building	10C						
Buried Cable	45C						
Buried Cable	845C						
Co Eqpt - Ess	377C						
Co Eqpt - P Gain	257C						
Conduit	4C						
Conduit	84C						
Land	20C						
Land	20C						
MCE&P	257C						
MCE&P	377C						
Pole	1C						
Pole	811C						
Underground Cable	85C						
Total							

Minimum Cost Technology - COPPER

(F) MCE&P calculation = --7C Investment (Col. C) * Level. Factor (Col. D) * Loading Factor (Col. E)
Land & Building calculations = --7C Investment (Col. C) * Level. Factor (Col. D) * MCE&P Level. Investment (Col. F) * Loading Factor (Col. E)
Pole calculation = 22C or 822C Investment (Col. C) * Level. Factor (Col. D) * Loading Factor (Col. E)
Conduit calculation = --5C Investment (Col. C) * Level. Factor (Col. D) * Loading Factor (Col. E)

INVESTMENT/COST BY ACCOUNT CODE

Band 8 8000 Feet

COPPER

Item (A)	Code (B)	Investment (C)	Levelization Factor (D)	Loading Factor (E)	Levelized Investment *(F=C*D*E)*	Annual Cost Factor (G)	Annual Cost (H=F*G)
Aerial Cable	22C						
Bldg Entrance Cble	12C						
Building	10C						
Buried Cable	45C						
Co Eqpt - Ess	377C						
Conduit	4C						
Intrabldg Cable	52C						
Land	20C						
MCE&P	377C						
Pole	1C						
Underground Cable	5C						
Total							

DLC-FIBER

Item (A)	Code (B)	Investment (C)	Levelization Factor (D)	Loading Factor (E)	Levelized Investment *(F=C*D*E)*	Annual Cost Factor (G)	Annual Cost (H=F*G)
Aerial Cable	22C						
Aerial Cable	822C						
Bldg Ent Ca	812C						
Bldg Entrance Cble	12C						
Building	10C						
Building	10C						
Buried Cable	45C						
Buried Cable	845C						
Co Eqpt - Ess	377C						
Co Eqpt - P Gain	257C						
Conduit	4C						
Conduit	84C						
Land	20C						
Land	20C						
MCE&P	257C						
MCE&P	377C						
Pole	1C						
Pole	811C						
Underground Cable	85C						
Total							

Minimum Cost Technology - COPPER

(F) MCE&P calculation = --7C Investment (Col. C) * Level. Factor (Col. D) * Loading Factor (Col. E)
Land & Building calculations = --7C Investment (Col. C) * Level. Factor (Col. D) & MCE&P Level. Investment (Col. F) * Loading Factor (Col. E)
Pole calculation = 22C or 822C Investment (Col. C) * Level. Factor (Col. D) * Loading Factor (Col. E)
Conduit calculation = --5C Investment (Col. C) * Level. Factor (Col. D) * Loading Factor (Col. E)

STATE: Florida
SERVICE: Unbundled Loop
COSTS: Directly Assigned
COM: 12.96

INVESTMENT/COST BY ACCOUNT CODE

Band 9 9000 Feet

COPPER

Item (A)	Code (B)	Investment (C)	Levelization Factor (D)	Loading Factor (E)	Levelized Investment *(F=C*D*E)*	Annual Cost Factor (G)	Annual Cost (H=F*G)
Aerial Cable	22C						
Bldg Entrance Cble	12C						
Building	10C						
Buried Cable	45C						
Co Eqpt - Ess	377C						
Conduit	4C						
Intrabldg Cable	52C						
Land	20C						
MCE&P	377C						
Pole	1C						
Underground Cable	5C						
Total							

DLC-FIBER

Item (A)	Code (B)	Investment (C)	Levelization Factor (D)	Loading Factor (E)	Levelized Investment *(F=C*D*E)*	Annual Cost Factor (G)	Annual Cost (H=F*G)
Aerial Cable	22C						
Aerial Cable	822C						
Bldg Ent Ca	812C						
Bldg Entrance Cble	12C						
Building	10C						
Building	10C						
Buried Cable	45C						
Buried Cable	845C						
Co Eqpt - Ess	377C						
Co Eqpt - P Gain	257C						
Conduit	4C						
Conduit	84C						
Land	20C						
Land	20C						
MCE&P	257C						
MCE&P	377C						
Pole	1C						
Pole	811C						
Underground Cable	85C						
Total							

Minimum Cost Technology - COPPER

(F) MCE&P calculation = --7C Investment (Col. C) * Level. Factor (Col. D) * Loading Factor (Col. E)
Land & Building calculations = --7C Investment (Col. C) * Level. Factor (Col. D) + MCE&P Level. Investment (Col. F) * Loading Factor (Col. E)
Pole calculation = 22C or 822C Investment (Col. C) * Level. Factor (Col. D) * Loading Factor (Col. E)
Conduit calculation = --5C Investment (Col. C) * Level. Factor (Col. D) * Loading Factor (Col. E)

INVESTMENT/COST BY ACCOUNT CODE

Band 10 10000 Feet

COPPER

Item (A)	Code (B)	Investment (C)	Levelization Factor (D)	Loading Factor (E)	Levelized Investment *(F=C*D*E)*	Annual Cost Factor (G)	Annual Cost (H=F*G)
Aerial Cable	22C						
Bldg Entrance Cble	12C						
Building	10C						
Buried Cable	45C						
Co Eqpt - Ess	377C						
Conduit	4C						
Intrabldg Cable	52C						
Land	20C						
MCE&P	377C						
Pole	1C						
Underground Cable	5C						
Total							

DLC-FIBER

Item (A)	Code (B)	Investment (C)	Levelization Factor (D)	Loading Factor (E)	Levelized Investment *(F=C*D*E)*	Annual Cost Factor (G)	Annual Cost (H=F*G)
Aerial Cable	22C						
Aerial Cable	822C						
Bldg Ent Ca	812C						
Bldg Entrance Cble	12C						
Building	10C						
Building	10C						
Buried Cable	45C						
Buried Cable	845C						
Co Eqpt - Ess	377C						
Co Eqpt - P Gain	257C						
Conduit	4C						
Conduit	84C						
Land	20C						
Land	20C						
MCE&P	257C						
MCE&P	377C						
Pole	1C						
Pole	811C						
Underground Cable	85C						
Total							

Minimum Cost Technology - COPPER

(F) MCE&P calculation = --7C Investment (Col. C) * Level. Factor (Col. D) * Loading Factor (Col. E)
Land & Building calculations = --7C Investment (Col. C) * Level. Factor (Col. D) + MCE&P Level. Investment (Col. F) * Loading Factor (Col. E)
Pole calculation = 22C or 822C Investment (Col. C) * Level. Factor (Col. D) * Loading Factor (Col. E)
Conduit calculation = --5C Investment (Col. C) * Level. Factor (Col. D) * Loading Factor (Col. E)

INVESTMENT/COST BY ACCOUNT CODE

Band 11 11000 Feet

COPPER

Item (A)	Code (B)	Investment (C)	Levelization Factor (D)	Loading Factor (E)	Levelized Investment *(F=C*D*E)*	Annual Cost Factor (G)	Annual Cost (H=F*G)
Aerial Cable	22C						
Bldg Entrance Cble	12C						
Building	10C						
Buried Cable	45C						
Co Eqpt - Ess	377C						
Conduit	4C						
Intrabldg Cable	52C						
Land	20C						
MCE&P	377C						
Pole	1C						
Underground Cable	5C						
Total							

DLC-FIBER

Item (A)	Code (B)	Investment (C)	Levelization Factor (D)	Loading Factor (E)	Levelized Investment *(F=C*D*E)*	Annual Cost Factor (G)	Annual Cost (H=F*G)
Aerial Cable	22C						
Aerial Cable	822C						
Bldg Ent Ca	812C						
Bldg Entrance Cble	12C						
Building	10C						
Building	10C						
Buried Cable	45C						
Buried Cable	845C						
Co Eqpt - Ess	377C						
Co Eqpt - P Gain	257C						
Conduit	4C						
Conduit	84C						
Land	20C						
Land	20C						
MCE&P	257C						
MCE&P	377C						
Pole	1C						
Pole	811C						
Underground Cable	85C						
Total							

Minimum Cost Technology - COPPER

(F) MCE&P calculation = --7C Investment (Col. C) * Level. Factor (Col. D) * Loading Factor (Col. E)
Land & Building calculations = --7C Investment (Col. C) * Level. Factor (Col. D) + MCE&P Level. Investment (Col. F) * Loading Factor (Col. E)
Pole calculation = 22C or 822C Investment (Col. C) * Level. Factor (Col. D) * Loading Factor (Col. E)
[illegible] calculation = 5C Investment (Col. C) * Level. Factor (Col. D) * Loading Factor (Col. E)

INVESTMENT/COST BY ACCOUNT CODE

Band 12 12000 Feet

COPPER

Item (A)	Code (B)	Investment (C)	Levelization Factor (D)	Loading Factor (E)	Levelized Investment *(F=C*D*E)*	Annual Cost Factor (G)	Annual Cost (H=F*G)
Aerial Cable	22C						
Bldg Entrance Cble	12C						
Building	10C						
Buried Cable	45C						
Co Eqpt - Ess	377C						
Conduit	4C						
Intrabldg Cable	52C						
Land	20C						
MCE&P	377C						
Pole	1C						
Underground Cable	5C						
Total							

DLC-FIBER

Item (A)	Code (B)	Investment (C)	Levelization Factor (D)	Loading Factor (E)	Levelized Investment *(F=C*D*E)*	Annual Cost Factor (G)	Annual Cost (H=F*G)
Aerial Cable	22C						
Aerial Cable	822C						
Bldg Ent Ca	812C						
Bldg Entrance Cble	12C						
Building	10C						
Building	10C						
Buried Cable	45C						
Buried Cable	845C						
Co Eqpt - Ess	377C						
Co Eqpt - P Gain	257C						
Conduit	4C						
Conduit	84C						
Land	20C						
Land	20C						
MCE&P	257C						
MCE&P	377C						
Pole	1C						
Pole	811C						
Underground Cable	85C						
Total							

Minimum Cost Technology - COPPER

(F) MCE&P calculation = --7C Investment (Col. C) * Level. Factor (Col. D) * Loading Factor (Col. E)
Land & Building calculations = --7C Investment (Col. C) * Level. Factor (Col. D) * MCE&P Level. Investment (Col. F) * Loading Factor (Col. E)
Pole calculation = 22C or 822C Investment (Col. C) * Level. Factor (Col. D) * Loading Factor (Col. E)
Conduit calculation = --5C Investment (Col. C) * Level. Factor (Col. D) * Loading Factor (Col. E)

STATE: Florida
SERVICE: Unbundled Loop
COSTS: Directly Assigned
COM: 12.96

INVESTMENT/COST BY ACCOUNT CODE

Last Band 21018 Feet

DLC-FIBER

Item (A)	Code (B)	Investment (C)	Levelization Factor (D)	Loading Factor (E)	Levelized Investment *(F=C*D*E)*	Annual Cost Factor (G)	Annual Cost (H=F*G)
Aerial Cable	22C						
Aerial Cable	822C						
Bldg Ent Ca	812C						
Bldg Entrance Cble	12C						
Building	10C						
Building	10C						
Buried Cable	45C						
Buried Cable	845C						
Co Eqpt - Ess	377C						
Co Eqpt - P Gain	257C						
Conduit	4C						
Conduit	84C						
Land	20C						
Land	20C						
MCE&P	257C						
MCE&P	377C						
Pole	1C						
Pole	811C						
Underground Cable	85C						
Total							

Minimum Cost Technology - DLC-FIBER

(F) MCE&P calculation = --7C Investment (Col. C) * Level. Factor (Col. D) * Loading Factor (Col. E)

Land & Building calculations = --7C Investment (Col. C) * Level. Factor (Col. D) + MCE&P Level. Investment (Col. F) * Loading Factor (Col. E)

Pole calculation = 22C or 822C Investment (Col. C) * Level. Factor (Col. D) * Loading Factor (Col. E)

Conduit calculation = --5C Investment (Col. C) * Level. Factor (Col. D) * Loading Factor (Col. E)

STATE: Florida
SERVICE: Unbundled Loop
COST: Directly Assigned
COM: 12.96

INVESTMENT/COST SUMMARY

Modifier	Distance	Technology	Levelized Investment	Annual Cost	Monthly Cost
Band 1	1000	COPPER			
Band 2	2000	COPPER			
Band 3	3000	COPPER			
Band 4	4000	COPPER			
Band 5	5000	COPPER			
Band 5	5000	DLC-FIBER			
Band 6	6000	COPPER			
Band 6	6000	DLC-FIBER			
Band 7	7000	COPPER			
Band 7	7000	DLC-FIBER			
Band 8	8000	COPPER			
Band 8	8000	DLC-FIBER			
Band 9	9000	COPPER			
Band 9	9000	DLC-FIBER			
Band 10	10000	COPPER			
Band 10	10000	DLC-FIBER			
Band 11	11000	COPPER			
Band 11	11000	DLC-FIBER			
Band 12	12000	COPPER			
Band 12	12000	DLC-FIBER			
Last Band	21018	DLC-FIBER			

State: Florida
Service: Unbundled Loop
[illegible]s: Directly Assigned
[illegible]: 12.96

FLAT RATE INVESTMENT CALCULATIONS

Code: 10C

Modifier (A)	Investment (B)	Probability (C)	Weighted Investment (D=B*C)
Band 1			$
Band 2			$
Band 3			$
Band 4			$
Band 5			$
Band 6			$
Band 7			$
Band 8			$
Band 9			$
Band 10			$
Band 11			$
Band 12			$
Last Band			$
	Total		$

FLAT RATE INVESTMENT CALCULATIONS

Code: 12C

Modifier (A)	Investment (B)	Probability (C)	Weighted Investment (D=B*C)
Band 1			$
Band 2			$
Band 3			$
Band 4			$
Band 5			$
Band 6			$
Band 7			$
Band 8			$
Band 9			$
Band 10			$
Band 11			$
Band 12			$
Last Band			$
	Total		$

State: Florida
Service: Unbundled Loop
cs: Directly Assigned
COM: 12.96

FLAT RATE INVESTMENT CALCULATIONS

Code: 1C

Modifier (A)	Investment (B)	Probability (C)	Weighted Investment (D=B*C)
Band 1			$
Band 2			$
Band 3			$
Band 4			$
Band 5			$
Band 6			$
Band 7			$
Band 8			$
Band 9			$
Band 10			$
Band 11			$
Band 12			$
Last Band			$
	Total		$

State: Florida
Service: Unbundled Loop
...s: Directly Assigned
COM: 12.96

FLAT RATE INVESTMENT CALCULATIONS

Code: 20C

Modifier (A)	Investment (B)	Probability (C)	Weighted Investment (D=B*C)
Band 1			$
Band 2			$
Band 3			$
Band 4			$
Band 5			$
Band 6			$
Band 7			$
Band 8			$
Band 9			$
Band 10			$
Band 11			$
Band 12			$
Last Band			$
	Total		$

State: Florida
Service: Unbundled Loop
:s: Directly Assigned
COM: 12.96

FLAT RATE INVESTMENT CALCULATIONS

Code: 22C

Modifier (A)	Investment (B)	Probability (C)	Weighted Investment (D=B*C)
Band 1			$
Band 2			$
Band 3			$
Band 4			$
Band 5			$
Band 6			$
Band 7			$
Band 8			$
Band 9			$
Band 10			$
Band 11			$
Band 12			$
Last Band			$
	Total		$

FLAT RATE INVESTMENT CALCULATIONS

Code: 257C

Modifier (A)	Investment (B)	Probability (C)	Weighted Investment (D=B*C)
Last Band			$
	Total		$

FLAT RATE INVESTMENT CALCULATIONS

Code: 377C

Modifier (A)	Investment (B)	Probability (C)	Weighted Investment (D=B*C)
Band 1			$
Band 2			$
Band 3			$
Band 4			$
Band 5			$
Band 6			$
Band 7			$
Band 8			$
Band 9			$
Band 10			$
Band 11			$
Band 12			$
Last Band			$
	Total		$

State: Florida
Service: Unbundled Loop
ts: Directly Assigned
COM: 12.96

FLAT RATE INVESTMENT
CALCULATIONS

Code: 45C

Modifier (A)	Investment (B)	Probability (C)	Weighted Investment (D=B*C)
Band 1			$
Band 2			$
Band 3			$
Band 4			$
Band 5			$
Band 6			$
Band 7			$
Band 8			$
Band 9			$
Band 10			$
Band 11			$
Band 12			$
Last Band			$
	Total		$

State: Florida
Service: Unbundled Loop
Costs: Directly Assigned
COM: 12.96

FLAT RATE INVESTMENT CALCULATIONS

Code: 4C

Modifier (A)	Investment (B)	Probability (C)	Weighted Investment (D=B*C)
Band 1			$
Band 2			$
Band 3			$
Band 4			$
Band 5			$
Band 6			$
Band 7			$
Band 8			$
Band 9			$
Band 10			$
Band 11			$
Band 12			$
Last Band			$
	Total		$

State: Florida
Service: Unbundled Loop
Costs: Directly Assigned
COM: 12.96

FLAT RATE INVESTMENT CALCULATIONS

Code: 52C

	Modifier (A)	Investment (B)	Probability (C)	Weighted Investment (D=B*C)
Band 1				$
Band 2				$
Band 3				$
Band 4				$
Band 5				$
Band 6				$
Band 7				$
Band 8				$
Band 9				$
Band 10				$
Band 11				$
Band 12				$
		Total		$

FLAT RATE INVESTMENT CALCULATIONS

Code: 5C

Modifier (A)	Investment (B)	Probability (C)	Weighted Investment (D=B*C)
Band 1			$
Band 2			$
Band 3			$
Band 4			$
Band 5			$
Band 6			$
Band 7			$
Band 8			$
Band 9			$
Band 10			$
Band 11			$
Band 12			$
	Total		$

FLAT RATE INVESTMENT CALCULATIONS

	Modifier (A)	Investment (B)	Probability (C)	Weighted Investment (D=B*C)
Code: 811C				
	Last Band			$
		Total		$

FLAT RATE INVESTMENT CALCULATIONS

Modifier (A)	Investment (B)	Probability (C)	Weighted Investment (D=B*C)
Code: 812C			
Last Band			$
	Total		$

FLAT RATE INVESTMENT CALCULATIONS

Modifier (A)	Investment (B)	Probability (C)	Weighted Investment (D=B*C)
Code: 822C			
Last Band			$
	Total		$

FLAT RATE INVESTMENT CALCULATIONS

	Modifier (A)	Investment (B)	Probability (C)	Weighted Investment (D=B*C)
Code: 845C				
	Last Band			$
		Total		$

FLAT RATE INVESTMENT
CALCULATIONS

Modifier (A)	Investment (B)	Probability (C)	Weighted Investment (D=B*C)
Code: 84C			
Last Band			$
	Total		$

FLAT RATE INVESTMENT CALCULATIONS

Code: 85C

	Modifier (A)	Investment (B)	Probability (C)	Weighted Investment (D=B*C)
Last Band				
Total				$

State: Florida
Service: Unbundled Loop
Costs: Directly Assigned
Year: 12.96

SUMMARY
FLAT RATE INVESTMENT
CALCULATIONS

Code	Investments
10C	$
12C	$
1C	$
20C	$
22C	$
257C	$
377C	$
45C	$
4C	$
52C	$
5C	$
811C	$
812C	$
822C	$
845C	$
84C	$
85C	$

Total $

State: Florida
Service: Unbundled Loop
Cost: Directly Assigned
COM: 12.96%

Date: 10/11/95

COST CALCULATIONS

Code	Investment		Deprec	COM	Inc Tx	Cap Exp Mtce	Adval	Admin	Opr Exp	GRT	Total
10C		ACF:									
		Annual Cost:									
		Monthly Cost:									
		% of Cost:									
12C		ACF:									
		Annual Cost:									
		Monthly Cost:									
		% of Cost:									
1C		ACF:									
		Annual Cost:									
		Monthly Cost:									
		% of Cost:									
20C		ACF:									
		Annual Cost:									
		Monthly Cost:									
		% of Cost:									
22C		ACF:									
		Annual Cost:									
		Monthly Cost:									
		% of Cost:									
257C		ACF:									
		Annual Cost:									
		Monthly Cost:									
		% of Cost:									
377C		ACF:									
		Annual Cost:									
		Monthly Cost:									
		% of Cost:									
45C		ACF:									
		Annual Cost:									
		Monthly Cost:									
		% of Cost:									
4C		ACF:									
		Annual Cost:									
		Monthly Cost:									
		% of Cost:									

Note: Annual cost = Investment * ACF Monthly cost = (Investment * ACF) / 12
% of Cost = Annual Cost Component / Total Annual Cost

State: Florida
Service: Unbundled Loop
Cost: Directly Assigned
COM: 12.96%

COST CALCULATIONS

Code	Investment		Deprec	COM	Inc Tx	Cap Exp	Mtce	Adval	Admin	Opr Exp	GRT	Total
52C		ACF:										
		Annual Cost:										
		Monthly Cost:										
		% of Cost:										
5C		ACF:										
		Annual Cost:										
		Monthly Cost:										
		% of Cost:										
811C		ACF:										
		Annual Cost:										
		Monthly Cost:										
		% of Cost:										
812C		ACF:										
		Annual Cost:										
		Monthly Cost:										
		% of Cost:										
822C		ACF:										
		Annual Cost:										
		Monthly Cost:										
		% of Cost:										
845C		ACF:										
		Annual Cost:										
		Monthly Cost:										
		% of Cost:										
84C		ACF:										
		Annual Cost:										
		Monthly Cost:										
		% of Cost:										
85C		ACF:										
		Annual Cost:										
		Monthly Cost:										
		% of Cost:										
LMOS		ACF:										
		Annual Cost:										
		Monthly Cost:										
		% of Cost:										

Note: Annual cost = Investment * ACF   Monthly cost = (Investment * ACF) / 12
% of Cost = Annual Cost Component / Total Annual Cost

State: Florida
Service: Unbundled Loop
Cost: Directly Assigned
COM: 12.96%

COST CALCULATIONS

Code	Investment		Deprec	COM	Inc Tx	Cap Exp Mtce	Adval	Admin	Opr Exp	GRT	Total
Total		Annual Cost:									
Total		Monthly Cost:									
		% of Cost:									

Note: Annual cost = Investment * ACF Monthly cost = (Investment * ACF) / 12
% of Cost = Annual Cost Component / Total Annual Cost