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DOCKET NO.: 001797-TP

WITNESS:

PARTY: Covad

DESCRIPTION:

1. BellSouth's (Confidential) Responses to Covad's Request for Production of Documents Number 33.

PROFFERING PARTY: Staff

FLORIDA PUBLIC SERVICE COMMISSION

I.D.# Stip-6

CONFIDENTIAL DOCUMENT NUMBER-DATE 08533 JUL 125

FPSC-RECORDS/REPORTING:

BELLSOUTH TELECOMMUNICATIONS, INC.

FPSC DKT NO. 001797-TP

COVAD'S FIRST REQUEST FOR PRODUCTION OF DOCUMENTS

POD NO. __________

PROPRIETARY

Requests for Production Item No. 33 Attachment No. 1 Collocation – Supporting Documents Karen C. Hill 615-646-7449

The information provided below, including the price, is generic in nature. It does not provide any information specific to a particular site. We have made several assumptions. Since the terms of adjacent collocation are still being negotiated and we have not provisioned any adjacent collocation arrangements it is hard to tell what will be encountered in real life. The assumptions that have been made are as follows:

Pricing for typical project:

- 1) The hut/CEV will be located no further than 50 feet away from the building.
- 2) The distance traversed within the building to connect to BellSouth's power will be no further away than 100 feet.
- 3) The service provided would handle an additional load of a dehumidifier, electrical receptacles, lighting, sump pump, mechanical cooling etc. 4) A standard collocator equipment layout for 200 square feet was used to calculate the amount of power.
- 5) Standard conditions were considered. No work within battery rooms, no work around sensitive equipment, no usage of special breakers, etc. were considered.
- 6) All work would be between the hours of 7:00AM and 5:00PM during weekdays.
- 7) Any work associated with the CEV/Hut such as building setup, foundations, landscaping, etc. were not considered as they will be provided by the CLEC.
- 8) The collocators will be provided the same AC power that is available in the central office facility. If the collocator wishes to convert this power to another phase, they will purchase and install the transformer.

The scope of work categories covered by this price would include:

Supervision

Demolition (Tearing up the Parking Lot, coring the exterior wall, etc.) 2)

3) Mobilization

4) Earth Work and Excavation (Digging the trench)

Compaction (Compacting the dirt placed back in the trench) 5)

6) Asphalt (New parking lot paving)

Painting Allowance (Re-etripping the parking lot) - PLot &x 8)

icing would break down as follows:

17,250.00 (Item Number 7 above)

9,750.00 (All items except Number 7)

1,000.00

insering/project management:

9,000.00 Basically, the pricing would break down as follows:

Electrical Work: 17,250.00 (Item Number 7 above)

Other Work:

Permitting:

Architectural/engineering/project management:

TOTAL: 37,000.00 Contingency: 2,500.00 39,500.00 GRAND TOTAL:

Conversion to cost per linear foot \$39,500/150 l.f.= \$263 per linear foot

This price can be used for the electrical installation cost for all adjacent collocation arrangements excluding extra-ordinary conditions. This rate is in addition to the recurring cost per amp for power usage.

Extra-ordinary conditions would only include having to add additional electrical capacity. This will be a rare occurrence and these costs need to be recovered on an ICB basis since there is no way to predict the cost or occurrence.

| Matl | Source | Cost | | |
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| | | | Act to the party of the | |
| | | ipequi dollar to | term observed to | |
| hysical Collocation - 2 Fiber (Singlen | node) Cross Connects | | MOTOR POR | 10.846 |
| LGX Bay | o incline date achie y | | The first of the first | |
| Bay Frwk | Network Planning & Support | 703.94 | d like the | |
| Retainers JR4C9 | Network Planning & Support | 265.96 | Dilat an | |
| Lightquide Kit (2) | Network Planning & Support | 61 | | |
| Total Material Price | Network Planning & Support | \$1,030.90 | The Miles of the same | |
| Circuit Capacity | Network Planning & Support | 324 | | |
| Projected Actual Utilization | Network Planning & Support | etropi di beri | The second state of | |
| _GX Shelf | rection reasoning a cappoin | | | |
| Shelf | Network Planning & Support | 248.27 | pars 17 of | |
| Coupler Panel (12) | Network Planning & Support | 155.76 | Sea State of the | |
| SC Coupling (72) | Network Planning & Support | 432 | ideal Light Light was | |
| Total Material Price | Network Planning & Support | 836.03 | setti and be tel | |
| Circuit Capacity | Network Planning & Support | 36 | | |
| Projected Actual Utilization | Network Planning & Support | | war to Mente | |
| Fiber Cable | Network Flaming & Support | | er te breeze | |
| Material Price per foot (\$1,114.02 | Network Planning & Support | \$11.14 | the season of the season of | |
| Number Feet | Network Planning & Support | 330 | Note 3 | |
| 2 Fiber Circuit capacity per Cable | Network Planning & Support | 36 | Note 3 | |
| THE RESERVE THE PROOF OF THE PR | | 100.00% | A DE LA GRANTA COMPANIA DE LA COMPANIA DEL COMPANIA DEL COMPANIA DE LA COMPANIA D | |
| Projected Actual Utilization | Network Planning & Support | \$26.84 | Santa Laboratoria | |
| Connector Price per circuit | Network Planning & Support | \$20.04 | Note 1 | |
| Cable Rack 5" ED4C685 -72 | Natural Planing & Connect | \$21.24 | Note 1 | |
| Material Price per foot | Network Planning & Support | 330 | Note 3 | |
| Number Feet | Network Planning & Support | | v | |
| Circuit Capacity | Network Planning & Support | 1200 | Note 2 | |
| Projected Actual Utilization | Network Planning & Support | | 100 100 100 | |
| 1924 | | | 8 P. 190 p. 1. 1. 1. 1. 1. | |
| sysical Collocation - Fiber POT Bay | | | | |
| POT Bay | | A4 470 00 | | |
| Material Price | Network Planning & Support | \$1,178.38 | 1 gar y lighter | |
| Circuit Capacity | Network Planning & Support | 156 | | |
| Projected Actual Utilization | | da indication a | STRANKL & US | |
| POT Bay Shelf e/w locks | and and court out of the state of | abside Look at | 1-6-10-18-25 | |
| Shelf | Network Planning & Support | 273.28 | John Mary Parkers | |
| Coupler Panel (4) | Network Planning & Support | 51.92 | | |
| SC Coupling (24) | Network Planning & Support | 144 | augit energy. | |
| Total Material Price | Network Planning & Support | 469.2 | | |
| Circuit Capacity | Network Planning & Support | 12 | Sir war save | |
| Projected Actual Utilization | | | | |
| | | | | |

PROPRIETARY Not for Disclosure Outside BellSouth Except by Written Agreement.

Note 1: 5 " Cable rack material cost ED4C685-72 G-1 \$99.60 (rack) G-10 \$80.60 (horns)

G-66 \$8.88 (support detail) G-106 \$17.19 (threaded rod)

\$206.27/9.71' = \$21.24/ft

Note 2: Assume 24 fiber LGBC OD=.49" Assume cable pileup to max of 5" Max cables = 5/.49 X 5/.49 = 100 Circuit Cap = 100 X 12 = 1200

Note 3: Fiber Duct Components/60ft run
10 - 4x4 Straight Duct 6' \$32.97ea
2 - 4x4 Elbow \$49.31ea
10 - 4x4 Splice \$1.86ea
5 - Support Details \$3.23ea
5 - threaded rod \$17.19ea

Total per 60ft = \$549.02 Matl Cost per Foot = \$9.15

Fiber Patchcord Capacity from ADC catalog

Assumes 3mm patchcords, 2/ckt

Note 3: Cable length changed from 300 to 330 to match average physical collocation DS1 cross connect length (revised 11/6/97)

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REPLY Dated: 6/10/99 at 15:14 Subject: COST Request on DSX/D4 Creator: Rhonda E. Vitale /m2, mail2a --420 - 6500 Item 1 CC: Bill Darwin /m3, mail3a; PHONE=404-529-6588 Item 2 Here is the information that you requested concerning material pricing: DSX-1 Panels Lucent ADC 80 circuits \$17.96 per circuit N/A \$18.26 per circuit 90 circuits N/A \$12.50 per circuit -12.20 - 1024.9 \$11.90 per circuit 84 circuits. \$13.28 per circuit = 14.815 on 727.61 56 circuits \$16.35 per circuit DSX-3 Panels \$170.83 per circuit \$170.83 per circuit ÷ .95 = 230.79 24 circuit LGX Fiber Termination Siecor Lucent ADC \$8.31 per fiber 72 fibers \$12.50 per fiber \$9.65 per fiber = 10.15 \$36.98 per fiber - 36.50 N/A - 32./ 72 pre-term 34.68 per fiber \$37.84 per fiber 144 pre-term 26.44 per fiber \$37.91 per fiber \$49.58 - 2758 216 preterm N/A N/A D4 Channel Bank Lucent Pulsecom 7'/4 Banks \$9950.00 7'/3 Banks \$7596.00 9'/5 Banks 9'/5 Banks \$12000.00 \$11950.00 11'6"/6 Banks 7'/5 Banks 11'6"/6 Banks \$15500.00 \$14950.00 7'/4 Banks \$9900.00 \$9950.00 9'/5 Banks \$11950.00 Coax jumper \$0.96 per foot/including connectors \$0.60 per foot/including connectors /30 / Fiber jumper Please let me know if you need any additional information.

Bill Darwin /m3, mail3a 7/21/99 10:04

AS PER MIKE HULSEY 10/21/79

RJ 48 S SMART JACK ADA-RMZ011 = 173.00 65% LISAGE = 1/2.45

TELTRAN- 5712 = 164.00 35% USAGE 57.40

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| - | Adjacent Collocation - input for DS0, DS1 | and DS3 copper c | | urring charge 11/3 | 0/99 TEW @ | | 5 | | | | |
| | Projecting Concession - Input for Doc; Do | and Doo copper | | T | | | | | 1 | | 1 |
| N. | Total Strate State State | A HOMBOULD | - | | | - | | | | 1 | - |
| Cost | COLLOCATION | 1 | | | - | | | - | 107 | | |
| # | GOLLOGATION | Inputs | Attachment Ref. # | Supporting Info | | 1 | - | | 1 | | |
| 1 1 | The San State of the Sa | IIIputo | Auguster (Ver, W | Supporting into | - | 7 | | - | - | | 1 |
| | Physical Collocation - Cable Support Structu | re Per Entrance Co | Ma | - | - | - | - | - | | | - |
| 17.1./ | Investment per Foot | \$33,960 | 4 | 5" Rack = \$233.49/ | 078-\$100 | 6M · Aurilians | framing sup | port rada kund | stice details ate | antimated at Co | 1000 |
| | - Cable Capacity | 30 | * | Note 7 | 014-11 | Witi, runnary | maning, sop | AUTO TOUR | Juon details, etc | ecomated at \$1 | 4,00 It, |
| | Projected Actual Utilization | 50.00% | | PHOTO-P | | | - | - | - | - | |
| 1 | -Average Cable Length | 400 | | | | | | - | - | | |
| | -Average Cable Length | 400 | | The state of the s | | | | - | - | - | |
| | Physical Collocation - Power, Per Ampere | \$165,800 | | - | | - | | | - | - | |
| | | \$100,600 | - | | | | | | | - | |
| | -Monthly Power Usage | 80.070 | | - 6 07/ 4 40 | | 1 | 4105 | 1 . # . 0000 | | - | - |
| | - Average Monthly Cost per KWH | \$0,070 | - | = \$,07/month x 48 v | Vatte x 24nre/ | day x 30days/ | 10 X 1/.85 re | CT en x .6666 | aq tactr | - | |
| | Walts | 48 | | = \$1.8972/Mo | | | - | | | | |
| | Rectifier-Efficiency | 85% | | The above formula | | | | | | | |
| | TO STATE OF THE ST | 1992 | | This factor is requir | ed to calculat | e commercial | ower consu | mption based | upon the rating | of the DC protec | tion device |
| | 16 4 180 ISC | 2002 | 1 | - | | | | - | | | |
| | A THE RESERVE OF THE PARTY OF | | | | | - | | | | - | |
| | row or there | 1 | 7 | | | | | - | | | 7 |
| | Physical Collocation - 2-Wire Cross Connec | ts | | | | | | | | | |
| | Trunk Distributing Frame | | | | | | | | | | |
| | Material Price | \$4,110.48 | 2 | \$3736.80 + 10% (\$ | 373.68) for ca | able rings, des | gnation boar | rds, and other | misc. hardware | | |
| | Circuit Capacity | 12000 | 1 | | | | | | | 7 | Lanca Constitution |
| | Projected Actual Utilization | 85.00% | | | | | | | | | |
| | Number Required | 2 | 1 | | | | | | | | |
| | -Connecting Block- | 10000000 | | | | | | | | | |
| | - Material Price | \$29.440 | 3 | | - | | | | | | |
| | - Circuit Capacity | 100 | la . | | | | | | | | |
| | - Projected Actual Utilization | 85.00% | | | | | | | | | |
| | - Number Required | 2 | | | - | | | | | | |
| | Cable | | 1107 | | 1 | 777 | | | | | |
| | - Material Price per foot | \$0.863 | 4 | The Later Wall | T | 100 | 1 1 | | | Contract to a contract to | 7 |
| | - Number Feet | 400 | | | | | | | | | |
| | - Circuit Capacity | 100 | | | | | | 7-1-1 | | | |
| - | - Projected Actual Utilization | 85.00% | | | | | | 1 | | | |
| | Cable Rack | And the party and party | | | | | - | 1 | | | |
| - | Material Price per foot | \$38,070 | 5 | Rack = \$233.49/9.7 | ft = \$24.07# | t : Auditiary fra | mina suppor | trods junction | n details etc e | stimated at \$14 | 00 ft |
| | Number Feet | 75 | - | - TESS - \$255.4075.1 | 1 | 1 | g, suppoi | T Table | 1 | 1 | T T |
| - | Circuit Capacity | 97200 | | Note;1 | 1000 | | - | - | 1 | | |
| 2 | Projected Actual Utilization | 56.95% | - | 110.0,1 | | - | - | - | - | - | - |
| | Projected Actual Collization | PA. X. S. K. H. K. BO. 95 76 | | 1 | 75 | | - | | - | - | |
| | O Churchest College Non A Wiles Come Communication | - | - | Charles and The | | | | - | - | - | |
| | O Physical Collocation - 4-Wire Cross Connec | 15 | | - | - | 1 | - | - | - | 1 | - |
| 5 | Trunk Distributing Frame | 04 440 40 | 2 | \$3736.80 + 10% (\$ | 272 60\ 6 | able rings des | lenation has | rds and off- | mine hard | - | - |
| 3 | Material Price | \$4,110.48 | 2 | \$3730.80 + 10% (3 | 373.00) 107 C | aute rings, des | griation boa | us, and other | misc. naroware | T | |
| 1 | Circuit Capacity | 6000 | | William . | - | - | - | - | - | - | |
| 3 | Projected Actual Utilization | 85.00% | | | - | - | - | 1 | - | 1 | - |
| | Number Required | 2 | | THE R. LEWIS CO. | - | 1 20 4 | - | 1 | 01,76000,79 | 1 | - |
| | -Connecting Block | on Autocopy Carbon White St. | | | 1 | - | | - | - | - | |
| 1 | Material Price | \$29,440 | 3 | - | - | - | | | | | - |
| 2 | Circuit Capacity | 50 | | - | | | | 1 | | | - |
| 3 | - Projected Actual Utilization | 85.00% | | | | | | 7 | | | 1 |
| 1 | - Number Required | 3 | destantant of the | 1 | 1 | | | L. C. | | | 7 |
| 5 | —Cable | and the state of the state of | Contain Contain | A STATE OF THE PARTY OF THE PAR | al harmon | | | 1 | | | |
| 3 | - Material Price per foot | \$0,863 | 4 | | | | | | | | |



| 1 | В | С | E | F | G | Н | 1.1 | J | K | L | I м |
|----------------|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------------------------------------|-----------------|-----------------------------------------|--------------------|-----------------|-----------------------|------------------|-----------|
| 57 | - Number Feet | 400 | | | | | | | | | |
| 58 | - Circuit Capacity | 50 | | 111111111111111111111111111111111111111 | | | | | | | |
| 59 | - Projected Actual Utilization | 85.00% | 3 | 7. 12. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2 | | | | | | | 1 |
| 30 | Cable Rack | A State Of Land | 77.2 | | | | | | | | |
| 31 | Material Price per foot | \$38.070 | 5 | Rack = \$233.49/9. | 7 ft.= \$24.07/ | t.; Auxiliary fra | aming, suppor | t rods, junctio | n details, etc. e | stimated at \$14 | .00 ft. |
| 52 | Number Feet | 75 | | | | | | | | | |
| 53 | Circuit Capacity | 48600 | | Note 1 | | | | | - | | |
| 34 | Projected Actual Utilization | 56.95% | | 11 1 200 011 0 | Tables of | - and g | DON'T POPUL | ma 1 - | SCHOOL Y THE | | |
| 35 | Proper Surface of Company | PHYSICAL | | 1 1 1 1 1 1 1 1 | | Hart San A. | | | - | | 1 |
| 66 H.1 | .11 Physical Collocation - DS1 Cross Connect | ts . | | -11 - 123-24 -1 -52-51 | | | | | | | |
| 37 | DSX-1 Panel Provided by and | | 420 7 | Required for adja- | cent collocat | ion | | | | | |
| 88 | Gable | | | | 1 | 1 | | | | | |
| 9 | - Material Price per foot | \$0.634 | 6 | | 7 | | | | | | |
| 0 | - Number Feet | 300 | | | | | | | | | 1 |
| 1 | - Additional Feet if Repeater | 600 | | AND CALLERY | rate of the | 27 1221 | Prombel) | W 777 | Carlet Ann. Da | 45 5 1 F 1 7 . W | - |
| 2 | Circuit Capacity | 14 | | | - | | | | - | | |
| 3 | - Projected Actual Utilization | 90,00% | | | | | | - | 1 | | |
| 4 | - Percent Repeater Required | 5.00% | | | - | 100000000000000000000000000000000000000 | | | | | |
| 5 | Cable Rack | | | | | | | | | | |
| 6 | Material Price per foot | \$38.070 | 5 | Rack = \$233.49/9. | 7 ft.= \$24.07M | t.; Auxiliary fra | aming, suppor | rods, junctio | n details, etc. e. | stimated at \$14 | .00 ft. |
| 7 | Number Feet | 100 | | | | | | | | | T |
| 8 | - Additional Feet if Repeater | 600 | | | | | - | | | | |
| 9 | Circuit Capacity | 10528 | | Note 2 | | | | - | 1 | | |
| 0 | Projected Actual Utilization | 80.30% | | | - | | | | | | |
| 1 | Percent Repeater Required | 5.00% | | | 1 | | | | | | |
| 2 | -Repeater Bay | The state of the s | | | | | - | | | | |
| 3 | - Material Price | \$455,400 | | | | | - | | | | - |
| 4 | - Circuit Capacity | 224 | | and the second second | | | | | | - | |
| 5 | - Projected Actual Utilization | 30,00% | | | | | | | - | | |
| 6 | - Percent Required | 5.00% | | 149 x 191 (3.5 + July 14. | 1 1 1 | of the second | W. W.C. C. | Warry age and | Carlotte Carlotte | | |
| 7 | -Repeater Shelf | Vilitary. | | | | | | | 1 | | |
| 8 | Material Price | \$276.250 | | | | | | | | | |
| 9 | Circuit Capacity | 28 | | | | - | | | | | |
| 0 | Projected Actual Utilization | 80.00% | | | | | | | | | |
| 1 | - Percent Required | 5.00% | | | | | | | | | |
| 2 | Repeater | 18.2 | - | Special series Instruction | or resident | 767-51000-1 | Living any history | or you produced | the University of the | Berthampt and | of States |
| 3 | Material Price | \$289.000 | | Charles of a brighted, rate of | 4-100.21 | recommendation for | 120000 | Div I | | | |
| 4 | - Circuit Capacity | 1 | | T Applied Street | 7777 | TR. T. T. D. | 1.0 | 7 | | | |
| 5 | - Projected Actual Utilization | 400.00% | | The Additional Control | F 7-1 | E Chigara No. | The terms | 4, 8, 5, 1 | de la | | |
| 96 | - Percent Required | 5,00% | | | 1 | | | | | | |
| 7 | | A THAN DE PARTY. | | 7 | 1 | | | - | | | - |
| 8 H.1 | .12 Physical Collocation - DS3 Cross Connect | ts | 1-1-1-1 | | | | - | | | | |
| 9 | DSX-3 Panel Provided by and | | | Required for adjace | cent collocati | on | | | | | |
| 00 | Cable | - I Wanter | | | 1 | | | | | | |
| 01 | - Material Price per foot | \$0,488 | 7 and 8 | Note-3 | | | | 1.0 | | | |
| 02 | Connector Material Price per cable | \$7,760 | 9 and 10 | - your Homstell | 1000 | S. Xereka | Se 5 5000 | 1000 1 9 | C-Committee 25 - 6 | Control of | 1 |
| 03 | - Number Feet | 300 | | | | | | | | | |
| 04 | Additional Feet if Repeater | 400 | | | 1 | | | | | | |
| 05 | Number Cables per Circuit | Bar 49 2 | | 100 | - | | | | | | |
| 06 | - Circuit Capacity | 4 | | | | | | | | | |
| 07 | Projected Actual Utilization | 100.00% | | | | | | | | | |
| 08 | — Percent Repeater Required | 10,00% | | - | 1 | | | | | | |
| 9 | Cable Rack | - Full Bastle | | | 1 2 2 2 | 1 41 4 44 | | | | | |
| 0 | Material Price per foot | \$38,070 | 5 | Rack = \$233.49/9. | 7 ft = \$24.07# | L: Auxiliary fra | ming, support | rods, junction | n details, etc. ex | stimated at \$14 | 00 ft |
| 1 | Number Feet | 100 | | | 1 | 1 | .g, ouppor | | | 1 | T |
| 2 | - Additional Feet if Repeater | 400 | | | | | | | | | |
| 3 | Circuit Capacity | 3732 | | Note 4 | 1 | | | | | | |
| 4 | Projected Actual Utilization | 67,00% | | 7,1010 | | - | | | - | | |
| 15 | Percent Repeater Required | 40.00% | | | 1 | - | | | | | |
| 16 | - Repeater Bay | 10,00% | | | - | | | | | | |
| 17 | - Material Price | \$455,400 | | | 1 | | | | | | |
| | - Circuit Capacity | 80 | | | - | - | | | | | |
| | | | | | | | | | | | |
| | Deale stand Ashual I Militarian | | | | | | | | | | |
| 18 19 20 | - Projected Actual Utilization - Percent Required | 35.00% | | | | | | | | | |

| A | В | С | E | F | G | Н | 1 | J | K | L | M |
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| 82 | N-4-4-4 | | | | - | | A CREAT | 11.31 | | 520 769 | sud-A |
| | Note 1: Assume 26Ga 100 Pr 806A cable | | | 1 | | 1 | 2.00 | 1 100 | 1 | 12 TH | 10 |
| 83 | OD=0.56* | | | | | | - | 1000 | | K.6.80 | 100 |
| 84 | 2' 6" Cable rack with max. 10"pileup | | | | | - | 747 24 | | | 100 | |
| 85 | Capacity = 30/.56 x 10/0.56 = 54 x 18 = 972 | 2 cables | | | | | | 10000 | 11 | CE 33 | 1 2 |
| 86 | 2wire Circuits = 972 x 100 = 97,200 | | | - Miles | | | | | | 100 | 1 1/2 |
| 87 | 4wire circuits = 972 x 100/2 = 48600 | | | the DEST | | 21 | | | | | |
| 188 | | | | 178.4 | | 10 | PRINT. | Sa trans | | | |
| 189 | Note 2: Assume 22Ga 616C 28 pair Cable | OD = 0.64* | Section 1997 | 10- | | - | Land Land | 4 1 2 3 | 1 12- | | |
| 190 | 2' 6" Cable rack with max, 10"pileup | | | | | 3/1 | | | Charles and the | | |
| 191 | Capacity = 30/.64 x 10/.64 = 47 x 15 = 752 | cables | | | | | 第一元 | THE STATE OF | THE THE | the state of | |
| 192 | DS1 Circuits = 752 x 14 = 10,528 | 77 | | | | | | DAME DO | A MANAGER | Sec. 17. 33 | |
| 193 | | | | | | | 400 1 100 | 50125 | 1000 | | |
| | 7. 3 | | | | | 1.419 | 1.14.163 | W. T. S. | Thirties | | |
| | Note 3: DS3 cable pricing. BST standards: | | | | | | 1.96 | 100 pp. 11 | 750 | Duran Maria | |
| | use 735A up to 250'. Beyond 250' use | | | | | - 3 | 1000 | 1 | 387 | 1000 | |
| - 1 | 734D. Assume an even distribution of cable | | | | | 46 | San Jon | P P | - 7 | 1374 | 1 |
| | lengths from 100' to 455', 10% beyond 455' | | | | | 0.00 | 70 V. | 1 | 1 1% P. | 18 May 1 | 1 |
| 194 | require repeaters. 90% less than 455'. | 5 | | | | | 10 W. J. See | 100 | 41 % | 100 | |
| | Cables between 100 and 250 = 150/355 | | | | | | | | | | |
| - 1 | =42.3%. Cables between 250 and 455' = | | | | 1 | | 1 3 | 14. 31 | | | |
| 195 | 205/355 = 57.7% | | | Tanana and | | - | - | 1 | | | |
| 196 | 735A cable utilization = .423 x 90% = 38% | | | | | | - | 1 | | - | - |
| 197 | 734D cable utilization = 100% - 38% = 62% | | | | - | | 1 | | | | |
| 198 | 734D = \$.550/ft 735A = \$.388/ft | | | | | | - | - | - | - | |
| 199 | | | | | | | - | - | | | - |
| | \$/ft=(.550)x(.62)+(.388)(.38)= \$.488/ft | | | | - | | - | - | | _ | |
| 200 | | 254 2024 1 7045 | | | | | - | | | | |
| 201 | Note 4: from note 3, 38% of DS3 cable is 7. | 35A, 62% IS 734D | 111 | | | | | - | | | - |
| 202 | 735A OD = .122° , 734D OD = 0.236° | I . | | 100 | | | | - | - | | - |
| 203 | 735A cross section = .122 x .122 = .0149 s | | | | | | | | 100 | | |
| 204 | 734D cross section = .236 x .236 = .0557 s | | | | | | 1. | | | | |
| 205 | Cabl rack cross section = 30° x 10° = 300 se | | | | | | 10 107 | 1 2 2 | | | |
| 206 | Let $X = \text{total cables}$; $300 = (.62)(X)(.0557)$ | + (.38)(X)(.0149) | | | | | 1.5 | 101.0 | 15.00 | | |
| 207 | .034534X + .005662X = 300 | | | | | | Line The | 12 . 76 6 | | | |
| 208 | .040196X = 300 | | | | | | | 3.1 | 60 | | |
| 209 | X = 7463 | | | | | | | | - | | |
| 210 | Capacity = 7463/2 = 3732 | | | | | | 1 | e 1. 1. | | 1 | |
| 211 | 735A cables = .38 (7463) = 2836 | | F (1 | | | | 1 | 1 | | 777 | |
| 212 | 734D cables = .62(7463) = 4627 | | | | | | | | | | |
| 213 | Assume this same mix for adjacent collocati | on | | | | 1 | 1 41 | | | | |
| 214 | The state of the s | 18 | | | | | | 712 | | - | |
| 215 | - F 1 3. | | 4 -4 | | | | 1 | 7/5% | | 2 | |
| 216 | Note 5: DSO POT Consists of following: | 100 | 4-1 | | | | 1 | | | | |
| 217 | Qty - 1 universal 7' rack @ \$239.46 | The same of | | | | | | 1 | | | |
| 218 | Qty - 14 angle mtg bars @ \$20.02 ea \$2 | 80.28 | W. | | | | 1 | | | | - |
| 219 | Total POT Bay = \$519.74 | 1 | | | | | | | | | - |
| 220 | 100010100 | | | | | | - | _ | - | 171 | 255 |
| 221 | Conn. Blk Matt per 25 2-wire ckts. | | | - 6 | - · | | - | - | | 100 | - |
| 222 | | | | | | - | - | - | | - | - |
| | Oty - 1 898 mtg bktc @ \$.85 ea. | - | | | | | - | - | | | 74 |
| 223 | Qty: 1 66M1 Conn blk @ \$5.54 ea. | | 7- | | | | - | - | | 100 | |
| 224 | Qty 50 C bridging clips @ \$.02 ea = \$1.00 | | | | | | - | - | | 100 | - |
| 225 | Total DSO Conn Blk cost = \$8.41 | | | | | | - | - | | South 7 | 100 |
| 226 | Note 5 prices quoted from Alitel Supply 11/5 | 198 | | | | | | 100 | | 1 | |
| 227 | A M. Mark | | | | | | | - | | | |
| 228 | Note 6: DS1 and DS3 POT Bay consists of | | | 2 | | | | 2 7 | - i | 72 | 1 |
| 229 | Qty: 1ED-8C501-50 G1 7ft, Netwk Bay Fran | | | | | | 537 | B | | 100 | |
| 230 | Qty: 1 ED-6C157-31 G6 Interconnect Hard | | | | | | 1 16 12 | Lips | | | 5 FW |
| 231 | Total Bay cost = \$1,200.18 | | | | | | 1 | - | | | |
| 232 | | | | | | | 1 | 25 3 7 7 | | | |
| 233 | Note 7: 5" cable rack - length 9' 8.5" | | | | | | 1 | 1972 | | | |
| 234 | Qty of 1 ED4C685-72 G1 @ \$107.20 ea. | | | | | | 1 | - | - | - | |
| 234 | | | | | | | | | | - | - |
| 235 | Qty of 1 ED4C885-72 G10 @ \$86.40 ea. | | | | - | | - | - | | | - |
| | Total = \$19.96/ft.+ | 1 | | | | | - 22 | | | and the same of the same of | |



| | | ? | |
|-----------------------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ? | | | |
| 7 | | * | |
| Price Details | | | |
| ucent Product ID: ED6C736-30 | G-6 | | Item 1 of 1 |
| Description: OUBLE SIDED CONV DISTRIBU | ЛING FRA* | Price | Effective Date 02/14/2000 |
| Price Type | Unit Price | Price Multiple / Unit of Measure | Qty Break |
| Net Price (D) | 3857.00 | EA | NA |
| Delivery Interval: N/A | Stocked: No | भागा होते हैं | Danuty |
| Order Multiple Qty: | Source: | - Covering in | COMO- |
| | | William Control of the Control of th | THE REAL PROPERTY AND ADDRESS OF THE PARTY O |
| N/A: Merchandise Class: | Omaha, NE Prod Weight: N/A | Ship Go | |
| NA. | Prod Weight: | | anter : |
| N/A Merchandise Class: 32221 | Prod Weight: | | de: agled |
| N/A Merchandise Class: 32221 lotes: | Prod Weight: | | |
| N/A Merchandise Class: 32221 otes: | Prod Weight: N/A | | inted |
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| Merchandise Class: 32221 lotes: Add to my save Vi Create n | ed product list: Please S ew product list: Please S ew product list: | elect elect | 21 21 |
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| Merchandise Class: 32221 Add to my save Vi Create n Help of | ed product list: Please S ew product list: Please S ew product list: | elect Return to price query | 21 21 21 |

ADD 10% to BASIC FRAME COST TO

COVER MISC. ASSOCIATED HARDWARE SUCH AS WIRE RINGS, DESIGNATION BOARDS, ETC.

Not for Disclosure (** Couth \$ 3857.00 + 385.70 = \$ 4242.70 Except by Writish agreement

COLLOCATION KEY & CARD COSTS

ltem

| Item | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| I. Material costs - Key: | | |
| Material Cost | \$3.12 | |
| tage Cost | \$3.35 | |
| best (contractor) mark-up ordering charge - future projected | | |
| cost, based on contract terms* | \$2.73 | |
| Total | \$9.20 | |
| II. Material costs - Card: | | |
| Material Cost per New Security Access Card | \$3.10 | |
| Postage Cost per New Security Access Card | \$2.97 | |
| Total | \$6.07 | |
| III. Access Device - Card and key issued per person | | |
| Key Material Cost | \$3.12 | 4 |
| Key Postage Cost | \$3.35 | |
| Key - Best (contractor) mark-up ordering charge - future | | |
| projected cost, based on contract terms* | \$2.73 | |
| Material Cost per New Security Access Card | \$3.10 | Air Comment |
| Postage Cost per New Security Access Card | \$2.97 | |
| The following costs are common to cards and keys: | | |
| | 407.050.00 | SIGNATURE STATE OF THE STATE OF |
| Annual contract Labor cost (3.5 people) (year 2000) 1-Siemens and 2.5 Strategic employees (Includes some | 167,952.20 | |
| overtime) | | |
| · 医皮肤性 · 医皮肤 · 医皮 | | |
| Annual contract Labor cost (5.0 people) (year 2001) | , \$222,319.52 | |
| 1-Siemens and 4 Strategic employees | | |
| Annual Productive Contract Labor Hours per Person = 1960 | | |
| BST Headcount: | 100 | Headcount |
| JG58 (CURRENT) | | 0.5 |
| JG56 (PROPOSED) | | 1.0 |
| | T. T. S. 18- V. Sand B. S. S. | |

*When keys ordered exceed 22,860 annually, this mark-up applies.

\$ 222 319.52 /5 = \$ 44,463.90

PROPRIETARY

Kot for Disclosero Getside BellSouth

Except by Written Agreement

| A | В | C | D | E | F | G | 1 | J | К | L | M | N | 0 | Р | Q |
|------|----------|---------------------------------------|-------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------------|-----------------------------------------|------------------------------------------|------------------|--------|------------------|----------|--------------|
| 4 FL | | Physical Collocation - 2-Wire POT Bay | B468873(13) | 399 17 175 | A THE STATE OF THE | Marie Service | and and are | Andrew Lorent | on market | April 1 West | V policy or only | - 7 Kg | E15X 7646 | 1470 THE | TO THE PARTY |
| 5 | | POT Bay | 130 | 07.4 | 100000000000000000000000000000000000000 | | | 111111111111111111111111111111111111111 | 12 813 | T CILL | | 100 | Zole L. March | | LIBER AGES |
| 6 | | Material Price | | | \$850,000 | \$519.74 | | Note 5 | 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | L. L. Call | The state of | 1.000 | The second | | 1000 |
| 7 | - | Circuit Capacity | 1 | | 1296 | 1400 | | 176 | | 1.77 | | 1.00 | 3.00 F PROPERTY. | | 1 300 |
| 8 | | Projected Actual Utilization | 1 1 1 | 12/02 | 40.00% | | | | 1011111 | A STATE OF | | 2.5 | Salar Salar | | "-110 1 1 |
| 9 | | Termination Block w/Bridging Clips | 1 - 1 | | | Consider and Cont. 1. | | 1000 | 1-1-1 P | 10 10 10 10 10 10 10 10 10 10 10 10 10 1 | | 100 | | | P. St. Viven |
| o | 1 | Material Price | | 5.5 % | \$7,620 | \$6.41 | | Note 5 | | | | | | | |
| 1 | 1 | Circuit Capacity | | 100 | 24 | 25 | | | | 1 | | 1 | | I | |
| 2 | | Projected Actual Utilization | | 1 3/1 1/2 | 85.00% | | | | | | | | | | |
| 3 | 1 | A Name and Association of the | | 110 | and the same of the same of | | | | | 1 | A 10 15 1 | | | | |
| | H.1.14 | Physical Collocation - 4-Wire POT Bay | | 1 1-1-1 | | | | | 1.3 | | | | | 4 | |
| 5 | 1 | POT Bay | 1 | 1 | 1.0 | Philippine | | | | | 0.1 | | | | |
| 6 | 1 | Material Price | | 1.47 | \$850,000 | \$519,74 | | Note 5 | | 2. 8 | 1 | | | | |
| 7 | 1 | Circuit Capacity | | 7 | 648 | 700 | 7 | | | | | 1 | | | |
| 8 | - | Projected Actual Utilization | | | 40.00% | N. R. N. | - | | 1.6 | 10 1 | | | | | |
| 9 | - | Termination Block wBridging Clips | | | Military of Highlight Company | pleasure aux directive To | | | | 1 | | | | | |
| 0 | 1 | Material Price | | | \$7,620 | \$6,41 | 77 5 1 1 | Note 5 | | | | | | | |
| 1 | _ | Circuit Capacity | | | 12 | 12.5 | | | | 4000000000 | A | | | 1 | 100000 |
| 2 | + | Projected Actual Utilization | | | 85.00% | YEACHURDEN CHINESE | | | | 1. 1 | | | | | |
| 3 | + | 1 Tojected Fatoat Stitutes of | 1000 | - | DESCRIPTION OF STREET | The American Control of the Control | | | - | | 1 14 1 | - | | | |
| | H 1 1 | Physical Collocation - DS1 POT Bay | 1167 | | 4 | | | Note 6 | | 1 | 1000 | | | | |
| 5 | 11.11.11 | POT Bay | | | 1 | | 7 7 | | | | 1 | | | | |
| 6 | - | Material Price | | | \$1,000.000 | \$1,200.18 | 11 and 12 | | | 1 | 1.79.1 | | | | 7 |
| 7 | 1 | Circuit Capacity | 1 | | 1008 | 42.173 | 1.78.1 | | | ec | | | | | |
| 8 | - | Projected Actual Utilization | 0.57 3 | | 28.40% | | 1.27% | | | 39.7 | 100 | - 1 | | | |
| 9 | 1 | POT Bay Shelf | 1000 | | CONTROL OF MANAGEMENT OF COLUMN | | 2.00 | 1 1 | | | Allen | | | | |
| o | 1 | Material Price | 10001 | - 1 | \$265,340 | XXXXXXXXX | 13 | | | 201 | 1 1 | | | | |
| 1 | + | Circuit Capacity | | The same is | 84 | K THE THOUGHT KING KING WITH THE THE | 916. | | 1 | 27 7 | 1 825 1 | | | | |
| 2 | + | Projected Actual Utilization | 100 | | 80.00% | N IN MEN AND AND AND AND AND AND AND AND AND AN | 1.03.3 | | - 1 | . 1 | 124 | - | | | |
| 3 | + | POT Bay Module | | 1.77 | A STATE OF | A CONTRACTOR OF THE PARTY OF TH | | | 1 / | 1.76 | 100 | | | | |
| 4 | + | Material Price | 1 | | \$35.190 | A CHARLES AND A COLOR | 14 | | | 74.1 | 1 900 | | - | 7 | |
| 5 | + | Circuit Capacity | 1.70 | 1.00 | 4 | and the state of t | | 1 2000 | 1 | (3. 1° 1°) | 1.1 | | YOU DON'T | le | |
| 6 | _ | Projected Actual Utilization | 1 | 1,110,74 | 98.70% | | | | | | 100 | | 4 1 4 | 1 | |
| 7 | + | Trojected Fatalla Salabasis | | 7/05 | 25 22 3 | | 7.77 | | 61.7 | | 7 | | 1 17 | | |
| | H 1 1 | Physical Collocation - DS3 POT Bay | | . 6. | 77.77.60 | 7.07 F ML X | 110 | Note 6 | 1 3 1 | 177 | | | 17 17 1 | | |
| 9 | 1 | POT Bay | | 13.00 | 2 to 1% o | Mary Track V. | | | 1.807 1 | | - | | | - | |
| 0 | _ | Material Price | (O- 2) | | \$1,000.000 | \$1,200.18 | 11 and 12 | I LM | That I want | | 10000 | | 39 | | |
| 1 | _ | Circuit Capacity | 11.00 | | 384 | 1 18 17 1947 1 | | 100 | 1 | 107 | 1.70 | | 101 | | |
| 2 | _ | Projected Actual Utilization | | | 5.94% | ************ | | | 13 1 1 | [-11] | 1 121 | | FD 170 | | |
| 3 | + | POT Bay Shelf | 1 3 1 | | in multinumpon manager, and | A THE OWNER OF THE PARTY OF THE | 1.66 | 1 1 1 1 1 | Part and K | 111 | | | | | |
| 4 | _ | Material Price | 1 1 1 6 | | \$81,400 | \$198.55 | 15 | 1 101 | 10 36 | 7.7 | | | 2 | 7 | |
| 5 | 1 | Circuit Capacity | | | 32 | The Administration of the Control of | - 10 | 1,50 | 201 | - C 1 | | | | | |
| 6 | - | Projected Actual Utilization | 177 120 | - | 18.00% | CHENCHE XIX XXX | 19 | | | 7 | 1111 | 1 | | | |
| 7 | + | POT Bay Module | | | CHESCHINA CO. | WITH THE RESERVE THE PROPERTY. | | | 7 | | 100 | | | | |
| 8 | + | Material Price | | | \$90,000 | \$67,75 | 18 | 1 7 7 7 | | 1 | | | - | | |
| 9 | - | Circuit Capacity | - | | 1 | 401,110 | 10 | - | 1 | 1 5 | 1 1 1 1 | 1 | 1 | - | - |
| 0 | +- | Projected Actual Utilization | - | - | 100.00% | DETERMINED AND | | - | 1777 | 12.7 | 1 | | | 14 | - |
| 11 | - | Freeded Actual Oblization | 2 - 1 - 1 - | | 100.0078 | AP THE PROPERTY NAMED IN | | - | | - | | - | 7 | | - |
| 12 | +- | | - | | | 471 - 7 | | - | 177 | - | | - | | | - |

| Mati | Source | Cost | | 11.00 |
|-------------------------------------------------------|--------------------------------------|-------------------------------------|-----------------------------------------------------------------|--------------------------|
| Physical Collocation - 2 Fiber (Singlemode) Cross C | onnects | | | |
| LGX Bay | Officets | | | |
| Bay Frwk | Network Planning & Support | 703.94 | | |
| Retainers JR4C9 | Network Planning & Support | 265.96 | | |
| Lightguide Kit (2) | Network Planning & Support | 61 | | |
| Total Material Price | Network Planning & Support | \$1,030.90 | | |
| Circuit Capacity | Network Planning & Support | 324 | | |
| Projected Actual Utilization | Network Planning & Support | 85.00% | | |
| LGX Shelf | | | elves will be fully eqp'd for 72 fiber terminations when initia | lly installed |
| Shelf | Network Planning & Support | 248.27 | and the second of a local terminologic whore inter- | ny mataneo |
| Coupler Panel (12) | Network Planning & Support | 155.76 | | |
| SC Coupling (72) | Network Planning & Support | 432 | | |
| Total Material Price | Network Planning & Support | 836.03 | | |
| Circuit Capacity | Network Planning & Support | 36 | | |
| Projected Actual Utilization | Network Planning & Support | | | |
| Fiber Cable (2 fiber bldg cable) | riotioni riaming a Support | | | |
| | | | | |
| Material Price per foot (\$33 38/100) | Network Planning & Support | \$0.3338 | | |
| Number Feet | Network Planning & Support | 315.00 | Note 4 Note - add total 15ft for drop ends - 345ft | |
| | | 105.16 | | |
| Projected Actual Utilization | Network Planning & Support | | | |
| SC Plug Price (11.80 ea.) 4 per 2-fiber cable | Network Planning & Support | 47.20 | Note 5 | |
| Sub total cable & SC plugs | | 152.35 | | |
| Factory assembly charge (estimated) | | 20.00 | | |
| Total plug eqp'd 2 fiber cable | | \$172.35 | | |
| | | | | |
| Cable Rack 5" ED4C685 -72 | | | Note 1 | |
| Material Price per foot | Network Planning & Support | \$21.24 | | |
| Number Feet | Network Planning & Support | 300 | Note 4 | |
| 2 fiber Circuit Capacity | Network Planning & Support | 771 | Note 2 | |
| Projected Actual Utilization | Network Planning & Support | 211 | 11010 2 | |
| Tojocica Pictual Stillagion | Network Flairling & Support | | | |
| Fiber Cable /4 fiber bldg cable) | | | | |
| Fiber Cable (4 fiber bldg cable) | | | | |
| Material Price per foot (\$55 96/100) | Network Planning & Support | \$0.5596 | | |
| Number Feet | Network Planning & Support | 315.00 | Note 4 Note - add total 15ft for drop ends - 345ft | |
| | | 176.27 | | |
| Projected Actual Utilization | Network Planning & Support | | | |
| SC Plug Price (11.80 ea.) 8 per 4-fiber cable | Network Planning & Support | 94.40 | Note 5 | |
| Sub total cable & SC plugs | | 270 67 | | |
| Factory assembly charge (estimated) | | 40.00 | | |
| Total plug aqp'd 4 fiber cable | | \$310.67 | | |
| | | | | |
| Cable Rack 5" ED4C685 -72 | | | Note 1 | |
| Material Price per foot | Network Planning & Support | \$21.24 | | |
| Number Feet | Network Planning & Support | 300 | Note 4 | |
| 4 fiber Circuit Capacity | Network Planning & Support | 730 | Note 2 | |
| Projected Actual Utilization | Network Planning & Support | | | |
| | retirent richning a capport | | | |
| | | | v. | |
| | | | | |
| | | | | |
| | | | | |
| ysical Collocation - Fiber POT Bay | | | | |
| OT Bay | | | | |
| Material Price | Network Planning & Support | \$1,178.38 | | |
| Circuit Capacity | Network Planning & Support | 156 | | |
| Projected Actual Utilization | | | | |
| OT Bay Shelf e/w locks | | | | |
| Shelf (12 ckt, 24 fiber cpacity) | Network Planning & Support | | y shelves will be eqp'd with coupler panels and couplers as | req'd based upon service |
| Coupler Panel (1 per 6 fibers, 4 max) | Network Planning & Support | | upler panel is required to terminate a 6 fiber cable | |
| SC Coupling (1 per fiber, 24 max) | Network Planning & Support | 6.00 Six coup | plers are required per 6 fiber cable | |
| Projected Actual Utilization | | | | |
| xcess fiber cable storage shelf | Network Planning & Support | 206.18 assume | 1 per 24 2-fiber ckts, occupies one of max. 12 POT shelf | positions in POT bay |
| | | | | |
| ect Interconnection Cable Support | | | | |
| a provided for computation of cable support cost/line | ar foot; billing should be based upo | on installed cable circuit capacity | y not circuits placed in service) | |
| | | | | |
| | | | | |
| able Rack | | | | |
| Material Price per foot | Network Planning & Support | \$40.46 | | |
| Circuit Capacity | V | 97200 | | |
| | Network Planning & Support | 24.75. | | |
| Projected Actual Utilization | | use DS0 xconn | | |
| | | | | |
| | | | | |
| | | | | |
| able Rack Material Price per foot | Network Planning & Support | \$40.46 | | |



| Circuit Capacity | Network Planning & Support | 10528 | | |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------------------------------|--|
| Projected Actual Utilization | | use DS1 xconn | | |
| DS3 | | | | |
| Cable Rack | | | | |
| Material Price per foot | Network Planning & Support | \$40.46 | | |
| Circuit Capacity | Network Planning & Support | 3732 | | |
| Projected Actual Utilization | rection in the state of the sta | use DS3 xconn | | |
| | | | | |
| FIBER Cable Rack (5 inch) | | | | |
| Material Price per foot | Network Planning & Support | \$21.24 | | |
| Circuit Capacity | Network Planning & Support | | to reflect 2 fiber bldg cable capacity | |
| Projected Actual Utilization | | 67% | | |
| • | | | | |
| FIBER Duct | | | Note 3 | |
| Material Price per foot | Network Planning & Support | \$9.15 | | |
| Circuit Capacity | Network Planning & Support | 400 | | |
| Projected Actual Utilization | Management are also and an area | 67% | | |
| | | | | |
| Note 1: 5 " Cable rack material cost | | | | |
| ED4C685-72 G-1 \$99.60 (rack) | | | | |
| G-10 \$80.60 (horns) | | | | |
| G-66 \$8.88 (support detail) | | | | |
| G-106 \$17.19 (threaded rod) | | | | |
| \$206.27/9.71' = \$21.24/ft | | | | |
| Note 2: | | | | |
| For 2 fiber LGBC OD =.18" | | | | |
| Assume cable pileup to max of 5" | | | | |
| Max cables = 5/.18 X 5/.18 = 771 | | | | |
| 2 Fiber circuit cap = 771 X 1 = 771 | | | | |
| ar son sevent day 17174 1 111 | | | | |
| For 4 fiber LGBC OD = 185" | | | | |
| Assume cable pileup to max of 5" | | | | |
| Max cables = 6/.185 X 5/.185 = 730 | | | | |
| 4 Fiber circuit cap = 730 X 1 = 730 | | | | |
| | | | | |
| Note 3: Fiber Duct Components/60ft run | | | | |
| 10 - 4x4 Straight Duct 6' \$32.97ea | | | | |
| 2 - 4x4 Elbow \$49.31ea | | | | |
| 10 - 4x4 Splice \$1.86ea | | | | |
| 5 - Support Details \$3.23ea | | | | |
| 5 - threaded rod \$17.19ea | | | | |
| Total per 60ft = \$549.02 | | | | |
| Matl Cost per Foot = \$9.15 | | | | |
| Fiber Patchcord Capacity from ADC catalog | | | | |
| Assumes 3mm patchcords, 2/ckt | | | | |
| | | | | |
| Note 4; Cable length changed to 300 ft. | | | | |
| plus 15ft for avg (7.5 ft drop on both ends) | | | | |
| | | | | |
| Note 5: Each fiber within a cable must be | | | | |
| eqp'd with an SC plug on each end of the | | | | |
| fiber. Assume a 24 fiber cable will be | | | | |
| eqp'd with 48 connectors, a 6 fiber cable | | | | |
| will be egp'd with 12 connectors, etc | | | | |

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RFP No. 99-07-06-LTH Attachment A, Revision 2 Page 4 of 6

6' x 24' CONTROLLED ENVIRONMENT VAULT

| TEM | DESCRIPTION | QTY | PRICE | EQPT | TOTAL INST. MATERIAL | TOTAL INST. LABOR |
|-----|------------------------------------------------|-----|------------|----------------------------------------|-------------------------|--------------------------|
| | DISCHS HDT EQUIPMENT | | * | 4 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | and the same of the same |
| 14 | HDT IFITL Bay e/w 7 OCS RDSC Code RM6506007 | .7 | \$5,246.00 | \$36,722.00 | \$3,724.00 | \$3,430.00 |
| | -48VS Fuse & Alarm Panel (J-C2001L12) | 2 | \$934.00 | \$1,868.00 | \$300.00 | \$280.00 |
| | Alcoa Fujikura Octal Jumpers | | | | | |
| | Bays 1-4, 31 Feet, SC/SC | 4 | \$2,618.00 | \$10,472.00 | N/A | \$560.00 |
| | Bays:5-7, 22 Feet, SC/SC | 3 | \$2,569.00 | \$7,707.00 | N/A | \$420.00 |
| | Data Cable Set (1 per IFITL Bay) | 7 | \$575.00 | \$4,025.00 | N/A | \$490.00 |
| | 7 DISCHS HDT BAYS TOTAL | | | 560,794.00 | \$4,024.00 | \$5,180.00 |
| | | , | (x | | | |
| 1B | HDT IFITL Bay e/w 7 OCS RDSC Code RM6506007 | Я | \$5,246.00 | \$41,968.00 | \$4,256.00 | \$3,920.00 |
| | -48VS Fuse & Alarm Panel (J-C2001L12) | 3 | \$934.00 | \$2,802.00 | \$450.00 | \$420.00 |
| | Alcoa Fujikura Octal Jumpers | | | | | |
| | Bays 1-4, 31 Feet, SC/SC | 4 | \$2,618.00 | \$10,472.00 | N/A | \$560.00 |
| | Bays 5-8, 22 Feet, SC/SC | 4 | \$2,569.00 | \$10,276.00 | N/A | \$560.00 |
| | Data Cable Set (1 per IFITL Bay) | 8 | \$575.00 | \$4,600.00 | N/A | \$560.00 |
| | 8 DISCHS HDT BAYS TOTAL | | | \$70,118.00 | \$4,706.00 | \$6,020.00 |
| ıc | HDT IFITL Bay e/w 7 OCS RDSC Code RM6506007 | 9 | \$5,246.00 | \$47,214.00 | \$4,788.00 | \$4,410.00 |
| | 48VS Fuse & Alarm Panel | 3 | \$934.00 | \$2,802.00 | \$450.00 | \$420.00 |
| | (J-C2001L12) | | | | | |
| | Alcoa Fujikura Octal Jumpers | | | | | |
| | Bays 1-4, 31 Feet, SC/SC | 4 | \$2,618.00 | \$10,472.00 | N/A | \$560.00 |
| | Bays 5-9, 22 Feet, SC/SC | 5 | \$2,569.00 | \$12,845.00 | | \$700.00 |
| | Data Cable Set (1 per IFITI. Bay) | 9 | \$575.00 | \$5,175.00 | N/A | \$630.00 |
| | 9 DISCHS HDT BAYS TOTAL | | | \$78,508.00 | \$5,238.00 | \$6,720.00 |

PROPRIETARY

Not for Disclared BellSouth

Except by Written Agreement.

ett og till sammen en kommen kommen en kommen

RFP No 99-07-06-LTH Attachment A, Revision 2 Page 5 of 6

6' x 24' CONTROLLED ENVIRONMENT VAULT

| ITEM | DESCRIPTION | QTY | UNIT | EQPT | TOTAL INST. MATERIAL | TOTAL INST. LABOR |
|------------|----------------------------------|---------|-----------------------|-------------|-------------------------|----------------------|
| | POWER TRANSFER SWITCH | | Parket B | | | |
| . 2 | 200 Amp JuiceBox RJBD200MXRBS | ì | \$2,046.00 | \$2,046.00 | N/A | Included in Turnkey |
| | JuiceBox Template (F003488) | 1 | \$121.00 | \$121.00 | | |
| | BASIC STRUCTURE | | | | | |
| 3A | Oldcastle 6' X 24' CEV | 1 | \$46,506.00 | \$46,506.00 | N/A | N/A |
| 3B | Capital Concrete 6' x 24' CEV | 1 | \$42,635.00 | \$42,635.00 | N/A | N/A |
| | DISTRIBUTING FRAME | | | | | A-1-10 |
| 4 | 800 Frame | 5 | \$500.00 | \$2,500.00 | N/A | \$175.00 |
| | 100 Pr. Cross Connect Block | 27 | \$98.00 | \$2,646.00 | Included w/ | Included w/ |
| | DS-1 CROSS CONNECT | | | | | |
| 5 | DIXI-84 DS-1 DSX Panels | 2 | \$1,127.00 | \$2,254.00 | N/A | \$70.00 |
| 6 | 800 Frame | 2 | \$500.00 | \$1,000.00 | N/A | \$70.00 |
| | 56 Pr. Cross Connect Block | 8 | \$98.00 | \$784.00 | Included w/ | Included wa |
| 秋 | MULTIPLEXER | | | | | |
| 7A | FLM-150 Multiplexer System | 2 | \$2,459.00 | \$4,918.00 | N/A | \$840.00 |
| 7 B | DDM-2000 Multiplexer System | 2 | \$2,118.00 | \$4,236.00 | N/A | \$840.00 |
| | LGX / FIBER MGMT. | | | | | |
| 8 | Feeder 24F LGX (108319849) | Sa I | \$1,230.00 | \$1,230.00 | \$296.00 | \$140.00 |
| 9 | Dist. 144F LGX (108349390) | 5 | \$4,290.00 | \$21,450.00 | \$1,480.00 | \$700.00 |
| 10 | CEV Fiber Management System | - 1 | PROPRIETARY | \$2,175.00 | N/A | N/A |
| | | Not for | Dische | ellSouth | | |
| | | | ept by Written Agreer | | | 15 |

RFP No. 99-07-06-LTH Attachment A. Revision 2 Page 6 of 6

6' x 24' CONTROLLED ENVIRONMENT VAULT

| TEM | DESCRIPTION | QTY | UNIT | TOTAL | TOTAL INST. MATERIAL | TOTAL INST. LABOR |
|-----|--------------------------------------|-----------|---------------------------------|----------------|-------------------------|----------------------|
| | REPEATER | | | | | |
| l1 | Wescom STS 3192 System | .1 | \$488.00 | \$488.00 | \$40.00 | \$210.00 |
| | POWER EQUIPMENT | | | | | |
| 12 | Power Plant | ı | \$19,720.00 | \$19,720.00 | \$300.00 | \$420.00 |
| 13 | Battery Stands (PM0125-4CB) | 2 | \$3,793.00 | \$7,586.00 | \$600.00 | \$1,400.00 |
| | Batteries FIAMM (FL0125BE 125 AH) | 16 | \$1,749.00 | \$27,984.00 | Installed in field | Installed in field |
| | MISC. EQUIPMENT | | | 25.41 | | |
| 14 | Iron Work & Cable Rack | 1 | \$2,400.00 | \$2,400.00 | N/A | \$3,500.00 |
| | Ground System | | \$1,200.00 | \$1,200.00 | N/A | \$700.00 |
| | Fiber Ducting System | ı | \$4,100.00 | \$4,100.00 | N/A | \$1,400.00 |
| | Pwr. Harness for PC Data & Video | L galetii | \$100.00 | \$100.00 | N/A | \$70.00 |
| | MISC. FUSE PANEL | | | | | |
| 15 | Misc. Fuse Panel | 2 | \$768.00 | \$1,536.00 | \$120.00 | \$210.00 |
| | MISC. EQUIPMENT RACK | | | | | |
| 16 | Misc. Equipment Rack | 5 | \$168.00 | \$840.00 | N/A | \$700.00 |
| | ALARM CROSS CONNECT SYSTEM | | | | | |
| 17 | Alarm Cross Connect Panel | 2 | \$120.00 | \$240.00 | N/A | \$420.00 |
| | PROTECTION | | | | | |
| 18 | Protection Frame Assembly | 1 | \$2,226.00 | \$2,226.00 | N/A | \$210.00 |
| | 307C2-100 Protection Block | 14 | \$715.00 PROPRIETA | \$10,010 RY | \$1,176.00 | \$1,715.00 |
| | | Kot | for Discli Except by Written | side BellSouth | | 16 |

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Scope of Turnkey Installation

- Project management.
- Test bores and soil investigation report.
- Excavation of site.
- Compacted stone base.
- Provide, install and connect ground ring consisting of #2 bare copper conductor cad-welded to 8' copper ground rods spaced approximately 8' 10' apart.
- Crane Services and placement of CEV.
- Concrete slurry (CDF) backfill.
- · Dry well.
- · Basic site restoration.
- Connect commercial AC from meter to CEV.
- Connect environmental alarms.
- Installation of batteries, DC power turn-up and adjustment, and brief orientation session on DC power system.

Proposal Assumptions

- All easements, leases, zoning variances and special permits beyond normal excavation permits shall be secured by customer.
- · Site is clear and free of obstructions.
- Pricing does not include charges associated with the relocation of overhead and/or underground utilities.
- Assumes that traffic control is not required.
- Assumes sufficient lead times for construction start.
- Site is accessible by cranes, boom trucks and concrete trucks under their own power.
- MARCONI Communications shall not be liable for testing, handling or disposal of contaminated or hazardous materials.
- Free and unobstructed access to site during normal business hours.
- Pricing does not include driveway construction, landscaping or custom site preparation such as walls, fences and landscape timbers.
- Assumes a non-union work environment.
- Commercial AC is available at site within 25' of AC service entrance.
- Soil investigation report does not indicate special foundation or installation requirements.
- MARCONI, Network Solutions Group shall be responsible for arranging for commercial AC and coordinating with local Power Company for final inspection and connection.
- Any deviation from the previously mentioned Scope of Work shall result in a pricing increase.
- Any downtime beyond the control of MARCONI, Network Solutions group shall result in a charge that shall be billed
 hourly in accordance with the work being performed.
- All work to be performed shall be completed in such a sequence as to ensure that a continuous work environment shall be utilized until final acceptance of the project. Failure to comply could result in a pricing increase.
- Pricing does not include any blasting of hard soil and assumes that ground condition shall be deemed as normal and will not require any additional pricing.
- Pricing does not include any pricing for the excavation in or through any environmentally protected areas.
- Pricing assumes that well pointing shall not be utilized.
- Additional Mobilization fee will apply if less than 2 sites are awarded in any of the aforementioned BellSouth regions
- Hoisting pricing will be set at up to 4 hours. Additional charges may be incurred for more time due to varying site conditions.

Outside BellSouth

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- Pricing for AC connection shall be for one 200A power transfer switch.
- Pricing for AC connection does not provide for any type of special licensing fees.
- Engineering shall consist of "As Builts" of the site installed.

PROPDIETARY

Not fr

Except by minion agreement.

Ordering Guide June, 1999 **MESA 6 Models**

(AI)

CUSTOMER:

BELLSOUTH TELECOMMUNICATIONS, INC.

BASE MODEL CODE:

XRM6200

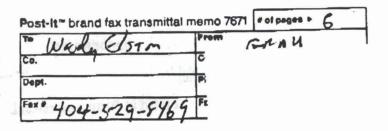
CONFIGURATION: MESA 6 Remote Terminal Cabinet Equipped with Three (3) DISC*S Common Shelves, One (1) DDM 2000 Mux Shelf, Zero (0) STS 3192 Repeater Shelves, (1) DIXI Panel, and wired for (21) Copper Channel Shelves.

| 17514 | DACE MODEL HARDWARE | DRODUCT CODE | QTY |
|-------|----------------------------------------|-----------------|-----|
| ITEM | BASE MODEL HARDWARE | PRODUCT CODE | 4 |
| 1.0 | MESA Cabinet Assy consist of: | JC0402L1 | 1 |
| 1.1 | MESA Cabinet | F003196 | 1 |
| 1.2 | Fuse & Alarm Panel | 4100892L3 | 3 |
| 1.3 | Common Shelf | 4100891L2 | 3 |
| 1.4 | Modular Power Shelf | 72-07-954 | 1 |
| 1.5 | DC Distribution Panel | 73-16-598 | 1 1 |
| 1.6 | Marconi 325 Protector Block (2300pr) | | 1 |
| 1.7 | Alarm Cross Connect Panel | 45-508-49 | 1 |
| 1.8 | Battery Termination Panel | 73-16-599 | 1 |
| 2.0 | DDM-2000 Wired for 84 DS1s | JC0402L19 | 1 |
| 2.1 | DDM-2000 MUX Shelf Kit: CABDDMKIT | | 1 |
| | PID: 665950820 | | |
| 2.2 | DDM-2000 2C Fan Unit | | 1 |
| 3.0 | DIXI Panel KIT: CABDIXIPANEL | JC0402L12C | 1 |
| 3.1 | DIXI Panel PID: 410970149 | | 1 |
| 4.0 | 900 Type DSX | JC0402L61 , L60 | 1 |
| | KIT: CAB900DSXM6KIT PID: 409970142 | 1 | 1 |
| 4.1 | 900 Type DSX | | 1 |
| 5.0 | Thermal Runaway Unit | JC0402L35 | 1 |
| 5.1 | Thermal Runaway Unit | | 1 |
| 6.0 | Ringing Generator Shelf | JC0402L18 | 1 |
| 6.1 | SFT7 Ring Generator Shelf | | |
| 7.0 | MESA 6 Documentation consists of: | | |
| 7.1 | MESA 6 Description & Install. Practice | 640-250-612C | 1 |
| 8.0 | 6V-160AH Batteries | JC0402L32 | 2/3 |

| ITEM | BASE MODEL PLUG-INS | PRODUCT CODE | QTY |
|------|----------------------------|--------------|-----|
| 9.0 | Power and Ringing Plug-Ins | | - |
| | Modular Rectifiers | 41-308-39 | 2_ |
| 9.2 | Ringing Generator Modules | 487110900 | 2 |
| 10.0 | LIU Test Connector | 41-008-39 | 2 |
| 11.0 | Adapter Null Modern | 41-008-46 | 1 |

Marconi Communications

Contains



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19

| 1 Qty. 1 0 0 2 1 . 2 0 1 2 1 1 1 1 | Base Model Hardware RDT (Copper) RT Channel Shelf HDT (FITL) RT Channel Shelf (8) 6V-160AH Batteries Base Model Plug-Ins Modular Reclifier Ringing Generator Module SFT 7 Adapter Null Modern LIU Test Connector Other Vendors Equipment | Product Code JCO402L15 JCO402L14 JCO402L32 41-308-39 487110900 41-008-39 | 3 1 1 1 1 1 1 | 759970510 739970507 409970142 410970149 | \$37,458 \$4,810 | Marconi Total Price | BellSouti Total Price |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 0 0 2 1 .2 0 1 2 1 1 | Base Model Hardware RDT (Copper) RT Channel Shelf HDT (FITL) RT Channel Shelf (8) 6V-160AH Batteries Base Model Plug-Ins Modular Reclifier Ringing Generator Module SFT 7 Adapter Null Modern LIU Test Connector Other Vendors Equipment | JCO402L15 JCO402L14 JCO402L32 41-308-39 487110900 41-008-46 41-008-39 | RM62000000H RM62000000P CAB900DSXM6KIT CABDIXIPANEL | 759970510 739970507 409970142 410970149 | \$37,458 |) | Price |
| 0 2 1 . 2 . 0 . 1 2 1 1 1 | RDT (Copper) RT Channel Shelf HDT (FITL) RT Channel Shelf (8) 6V-160AH Batteries Base Model Plug-Ins Modular Reclifier Ringing Generator Module SFT 7 Adapter Null Modem LIU Test Connector Other Vendors Equipment | JCO402L14 JCO402L32 41-308-39 487110900 41-008-46 41-008-39 | RM62000000P CAB900DSXM6KIT CABDIXIPANEL | 739970507 409970142 410970149 | | \$42,268 | |
| 0 2 1 . 2 . 0 . 1 2 1 1 1 | HDT (FITL) RT Channel Shelf (8) 6V-160AH Batteries Base Model Plug-Ins Modular Reclifier Ringing Generator Module SFT 7 Adapter Null Modern LIU Test Connector Other Vendors Equipment | JCO402L14 JCO402L32 41-308-39 487110900 41-008-46 41-008-39 | RM62000000P CAB900DSXM6KIT CABDIXIPANEL | 739970507 409970142 410970149 | | \$42,268 | |
| 2 1 2 1 1 1 | (8) 6V-160AH Batteries Base Model Plug-Ins Modular Reclifier Ringing Generator Module SFT 7 Adapter Null Modern LIU Test Connector Other Vendors Equipment | JCO402L32 41-308-39 487110900 41-008-46 41-008-39 | RM62000000P CAB900DSXM6KIT CABDIXIPANEL | 739970507 409970142 410970149 | | \$42,268 | |
| 1 2 1 1 | Base Model Plug-Ins Modular Reclifier Ringing Generator Module SFT 7 Adapter Null Modern LIU Test Connector Other Vendors Equipment | 41-308-39 487110900 41-008-46 41-008-39 | RM62000000P CAB900DSXM6KIT CABDIXIPANEL | 739970507 409970142 410970149 | | \$42,268 | |
| . 2 0 1 2 1 1 | Modular Recilier Ringing Generator Module SFT 7 Adapter Null Modern LIU Test Connector Other Vendors Equipment | 487110900 41-008-46 41-008-39 | CAB900DSXM6KIT CABDIXIPANEL | 409970142 410970149 | | \$42,268 | |
| . 0 . 1 . 2 . 1 . 1 | Ringing Generator Module SFT 7 Adapter Null Modern LIU Test Connector Other Vendors Equipment | 487110900 41-008-46 41-008-39 | CAB900DSXM6KIT CABDIXIPANEL | 409970142 410970149 | \$4,810 | \$42,268 | |
| 1 1 1 | Adapter Null Modern LIU Test Connector Other Vendors Equipment | 41-008-46 41-008-39 | CAB900DSXM6KIT CABDIXIPANEL | 409970142 410970149 | \$4,810 | \$42,268 | |
| 1 1 | LIU Test Connector Other Vendors Equipment | 41-008-39 | CAB900DSXM6KIT CABDIXIPANEL | 409970142 410970149 | \$4,810 | \$42,268 | |
| 1 1 | Other Vendors Equipment | • | CAB900DSXM6KIT CABDIXIPANEL | 409970142 410970149 | \$4,810 | \$42,268 | |
| - | | | CABDIXIPANEL | 410970149 | | T Project | |
| - | | | | | | 10.00 | |
| - | | • | CARDOMKIT | | | | |
| | | | CAUDOMINI | 665950820 | 1 | | |
| | BellSouth Total | • | | | | 2 1 | \$42,268 |
| 1 | Base Model Hardware | 1 1 2 1 2 2 | | | | | |
| 3 | RDT (Copper) RT Channel Shelf | JCO402L15 | | | | | |
| 0 | HDT (FITL) RT Channel Shell | JCO402L14 | | 4.87 | | | |
| 2 | | JCO402L32 | RM62000300H | 369943618 | \$37,292 | | |
| 1 | Base Model Plug-Ins | | | | | Stall West | |
| 2 | Modular Rectifier | 41-308-39 | | | | | |
| 2 | Ringing Generator Module SFT 7 | 487110900 | | relation of the | | | |
| 1 | | 41-008-46 | | | | | |
| 2 | LIU Test Connector | 41-008-39 | RM62000300P | 411943624 | \$6,160 | \$43,452 | |
| 1 | Other Vendors Equipment | 10 | CAB900DSXM6KIT | 409970142 | | | |
| 1 | B RESERVE DESCRIPTION | 1 100 | CABDIXIPANEL | 410970149 | 100 | | |
| 1 | 以籍 E15 8 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | | CABDOMKIT | 665950820 | | | |
| • | BellSouth Total | | | | Na San | | \$43,452 |
| | 2 1 2 1 1 1 1 | 2 (8) 6V-160AH Batteries 1 Base Model Plug-Ins 2 Modular Rectifiar 2 Ringing Generator Module SFT 7 1 Adapter Null Modem 2 LIU Test Connector 1 Other Vendors Equipment 1 | 2 (8) 6V-160AH Batteries JCO402L32 1 Base Model Plug-Ins 2 Modular Rectifier 41-308-39 2 Ringing Generator Module SFT 7 487110900 1 Adapter Null Modem 41-008-46 2 LIU Test Connector 41-008-39 1 Other Vendors Equipment | 2 (8) 6V-160AH Batteries JCO402L32 RM62000300H 1 Base Model Plug-Ins * 2 Modular Rectifler 41-308-39 2 Ringing Generator Module SFT 7 487110900 1 Adapter Null Modem 41-008-46 2 LIU Test Connector 41-008-39 RM62000300P 1 Other Vendors Equipment * CAB900DSXM6KIT 1 CABDIXIPANEL 1 CABDDMKfT | 2 (8) 6V-160AH Batteries JCO402L32 RM62000300H 369943618 1 Base Model Plug-Ins * 2 Modular Rectifier 41-308-39 2 Ringing Generator Module SFT 7 487110900 1 Adapter Null Modem 41-008-46 2 L!U Test Connector 41-008-39 RM62000300P 411943624 1 Other Vendors Equipment * CAB900DSXM6KIT 409970142 1 CABDDMKIT 665950820 | 2 (8) 6V-160AH Batteries JCO402L32 RM62000300H 369943618 \$37,292 1 Base Model Plug-Ins 2 Modular Rectifler 41-308-39 2 Ringing Generator Module SFT 7 487110900 1 Adapter Null Modem 41-008-46 2 LIU Test Connector 41-008-39 RM62000300P 411943624 \$6,160 1 Other Vendors Equipment CABOUNIPANEL 410970149 1 CABOUNIPANEL 410970149 1 CABOUNIPANEL 665950820 | 2 (8) 6V-160AH Batteries JCO402L32 RM62000300H 369943618 \$37,292 1 Base Model Plug-Ins * 2 Modular Rectifler 41-308-39 2 Ringing Generator Module SFT 7 487110900 1 Adapter Null Modem 41-008-46 2 LIU Test Connector 41-008-39 RM62000300P 411943624 \$6,160 \$43,452 1 Other Vendors Equipment * CABDIXIPANEL 410970149 1 CABDDMKfT 665950820 |

Marconi Communications



| Yr | ST | GLC | Location | Sq. Ft. | Cost | City Cost Index | National Cost | Comments |
|-----|----------|----------------|------------------------------------------------------------|--------------|--------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ••• | 01 | OLO | | 04.11. | 0031 | City Cost index | National Cost | Comments |
| 00 | | | ALABAMA | 40000 | 64 700 000 | 0.074 | 60.040.000 | |
| 99 | AL AL | 11616 | Cahaba Heights - CO Addition | 10300 | \$1,780,000 \$370,000 | 0.871 | \$2,043,628 \$424,799 | |
| 99 | AL | 11734 | Hanceville - CO Addition Huntsville Madison - CO Addition | 3800 | \$730,000 | 0.827 | \$882,709 | |
| 00 | AL | 11813 | Huntsville University CO Addition | 6000 | \$1,300,000 | 0.827 | \$1,571,947 | 7 - 5 |
| 99 | AL | 12340 | Mobile Bay Front - CO Addition | 1136 | \$445,000 | 0.834 | \$533,573 | 551 |
| - | | 120.0 | TOTAL: | 23236 | \$4,625,000 | 0.001 | \$5,456,656 | |
| | | | National Avg Cost/sq.ft.: | | | | 7,7,7,7,7 | |
| | | | Alabama Avg. Cost Index: | 0.8252 | 200 | | 67 | |
| | | | Investment/sq.ft.: | \$193.79 | 100 | | | Cab C |
| | | - | AVG. COST /SQ. FT.: | \$199.04 | E | | First | |
| | | | | 100 | 247 | | (A) | |
| | | | <u>Florida</u> | | j. | | 4 | - |
| 99 | FL | 31538 | Chipley - CO Addition | 2800 | \$561,000 | 0.796 | \$704,774 | |
| 00 | FL | 32273 | Gainesville NW - CO 2nd Floor Add. | 4000 | \$1,600,000 | 0.841 | \$1,902,497 | 51 |
| 00 | FL | M6506 | Golden Glades CO Addition | 10500 | \$5,100,000 | 0.866 | \$5,889,145 | |
| 00 | FL | 31241 | Jacksonville Beachwood - CO Addn. | 1792 | \$1,400,000 | 0.841 | \$1,664,685 | |
| 00 | FL | 39280 | Lake Mary CO Addition | 3100 | \$1,725,000 | 0.861 | \$2,003,484 | the state of the s |
| 00 | FL | 31040 | Mandarin - CO Addition | 6148 | \$1,450,000 | 0.841 | \$1,724,138 | |
| 00 | FL | 31848 | Oveido - CO Addition | 2560 | \$1,255,000 | 0.861 | \$1,457,607 | |
| 00 | FL | E8660 | Port St. Lucie CO Addition | 3200 | \$2,175,000 | 0.883 | \$2,463,194 | |
| 99 | FL FL | E8838 | Royal Palms - CO Addition | 5308 3158 | \$136,000 \$1,350,000 | 0.869 0.883 | \$156,502 \$1,528,879 | |
| 00 | FL | E8636 E8519 | Vero Beach - CO Addition WPBH Gardens - CO 2nd Floor Add. | 20754 | \$8,601,000 | 0.869 | \$9,897,583 | The second second |
| 00 | FL | E0019 | WPBH Gardens - CO 2nd Floor Add. TOTAL: | 63320 | \$25,353,000 | 0.009 | \$29,392,489 | 7 - 5 |
| _ | - | | National Avg Cost/sq.ft.: | | \$25,555,000 | 1 135 312 | \$25,552,405 | |
| _ | 7 - | - | Florida Avg. Cost Index: | | 125 | 100 | 18 | |
| | | | Investment/sq.ft.: | | 195 | 4617515 | 10 H | |
| | | | AVG. COST /SQ. FT.: | | | W 2550 | 34 | |
| | | | Georgia | 137 | 139 | [막건함 | 10 | |
| 00 | CA | F5602 | | 5966 | \$1,728,000 | 0.884 | \$1,954,751 | Ride in ready to start cone |
| 00 | GA GA | R3930 | Buford, 2000 Villa Rica,2000 | 4075 | \$2,125,000 | 0.884 | \$2,403,846 | Bids in, ready to start cons Under construction |
| 00 | GA | F1440 | Fayetteville - CO Addition, 2000 | 9600 | \$3,781,000 | 0.884 | \$4,277,149 | Under constructio |
| 00 | GA | F1437 | Peachtree City CO Addition, 2000 | 9600 | \$2,024,000 | 0.884 | \$2,289,593 | Bids in, ready to start cons |
| 00 | GA | F1356 | Powder Springs - CO Addition, 2000 | 4275 | \$1,310,000 | 0.884 | \$1,481,900 | Bids in, ready to start cons |
| 99 | GA | F5352 | Powers Ferry, 1999&2000 | 26970 | \$5,350,000 | 0.884 | \$6,052,036 | Under constructio |
| 99 | GA | R3907 | Tallapoosa - CO Addition, 1999 | 987 | \$288,000 | 0.884 | \$325,792 | Completed, Actual Cost |
| 99 | GA | R2164 | Gay - CO Addition, 1999 | 567 | \$195,000 | 0.884 | \$220,588 | Completed, Actual Cost |
| 98 | GA | | Norcross CO, 1998 | 17880 | \$1,955,485 | 0.884 | \$2,212,087 | Completed, Actual Cost |
| 98 | GA | | Woodstock CO, 1998 | 6400 | \$1,897,000 | 0.884 | \$2,145,928 | Completed, Actual Cost |
| 98 | GA | 1 | Dunwoody CO, 1998 | 16390 | \$3,003,520 | 0.884 | \$3,397,647 | Completed, Actual Cost |
| | | | TOTAL | 102710 | \$23,657,005 | es l | \$26,761,318 | 15 A 5 W |
| | | | National Avg Cost/sq.ft.: | | 1200 | Including Planning data | | (A) 2 (N) |
| | | | Georgia Avg. Cost Index: | | 1 15 | Including Planning data | (8) | |
| | | | Investment/sq.ft.: | | 1731 | The line | | |
| | | | AVG, COST /SQ. FT.: | \$230.33 | 100 | 等 | | |
| | | - | Kentucky | 12121 | 1.1943 | 世間 日 田 | | |
| 99 | KY | 52470 | Garden Village - CO Addition | 448 | \$166,000 | 0.854 | \$194,379 | Policies and a second |
| 99 | KY | 52724 | S. Williamson - CO Addition | 384 | \$181,000 | 0.854 | \$211,944 | |
| | | | E. I I a | 832 | \$347,000 | 4年7月1日 1月1日 | \$406,323 | 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - |
| | | | National Avg Cost/sq.ft.: | | | | 9日治4万里50000 | |
| | | | Kentucky Avg. Cost Index: | | | | 是 [] [] [] [] [] [] [] | 43 - 4 |
| _ | | | Investment/sq.ft.: | | * CID:-41 | 5 X 1 8 1 X | | |
| _ | | | AVG. COST /SQ. FT.: | \$417.07 | the land | OUR X 140 | | |
| | | | Louisianna | (B-20) | 13. | | 148 Halla (2013) | |
| | | K3266 | Denham Springs CO - Addition & HVAC | 1600 | \$340,000 | 0.828 | \$410,628 | |
| | | K4567 | Shreveport College - Addition & HVAC | 3200 | \$990,000 | 0.805 | \$1,229,814 | a Marian |
| | | 3.70 | | 4800 | \$1,330,000 | | \$1,640,442 | 517 |
| | | - 0 | National Avg Cost/sq.ft.: | | 165 (2) | 13/4/ 0/10/11/4 | 12 12 12 12 12 12 2 | NC |
| | | | ouisianna Avg. Cost Index: | | | | | And the same of th |
| | | - 3 | Investment/sq.ft.: | | | | | |
| - | | 1 10 | AVG. COST /SQ. FT.: | \$211.U8 | | 1.0% | | |
| | | 3 | <u>Mississippi</u> | | | 134 | | 150,010 |
| 00 | MS | 72126 | Brandon CO Add (Jackson Rankin) | 2500 | \$680,000 | 0.79 | \$860,759 | 120 110 |
| 00 | MS | 75171 | luka C.O Building Addition | 1600 | \$560,000 | 0.768 | \$729,167 | 17, 2 |
| | - | | | 4100 | \$1,240,000 | -6 -66 | \$1,589,926 | -11-21- |
| | | 11 | National Avg Cost/sq.ft.: | | | 34 (56) | | 1 12 1 1 2 2 2 |
| | | M | Mississippi Avg. Cost Index: | | | 34.54 | | E 37 5 5 5 5 |
| | | 134 | Investment/sq.ft.: | | | 51% | | the second of the |
| | | 1,79 | AVG. COST /SQ. FT.: | \$302.44 | | 11 y 10 g | | X 1972 X |

| STATE | | | FOOT | WE | IGHTING | ADJUSTED AVG COST |
|----------------|--|---|-------|----|---------|----------------------|
| Alabama | | | \$110 | | 0.094 | \$10.34 |
| Florida | | | \$198 | | 0.306 | \$60.57 |
| Georgia | | | \$69 | | 0.133 | \$9.18 |
| Kentucky | | | \$33 | | 0.032 | \$1.05 |
| Louisiana | | | \$105 | | 0.092 | \$9.62 |
| Mississippi | | | \$11 | | 0.024 | \$0.26 |
| North Carolina | | | \$116 | | 0.133 | \$15.42 |
| South Carolina | | | \$136 | | 0.067 | \$9.15 |
| Tennessee | | | \$46 | | 0.119 | \$5.51 |
| | | 4 | \$92 | | | \$121.11 |

Note: Weighting based on number of firm orders received between April and November 1999. UNIT COSTS:

| cage cost set fee | \$7,071 |
|---------------------------|----------|
| barrier wall 1hr cost/ft | \$100 |
| barrier wall wire cost/ft | \$60 |
| card reader | \$14,237 |
| card reader - pad only | \$2,640 |

| Data Points = | 123 |
|-----------------|-----|
| FOs 4/1-8/31/99 | 594 |
| Percentage = | 21% |

Note: Many data points represent more than one collocator/firm order, thus percentage above is low.

| PROJECT ID | PROJECT ID & WBS # | # OF CAGES | # OF RACKS | LINEAR FT. BARRIER WALL | COLLOCATION SQ FT | COMMON AREA (SQ FT) | CARD READER | TOTAL COST DESIGN | TOTAL COST CONSTR | ASBESTOS COSTS | TOTAL COST | ADJUSTED TOTAL COST (LESS FIXED RATES) | ADJUSTED COST PER SQUARE FOOT |
|-----------------|--------------------|------------|------------|-------------------------|-------------------|---------------------|-------------|-------------------|-------------------|----------------|------------|-------------------------------------------|----------------------------------|
| JCBHFLMA.DLT.01 | 734808-81291 | 2 | 1 | 21.5 | 308 | 887 | 1 | \$27,294 | \$74,565 | \$1,360 | \$103,219 | \$73,550 | \$82.92 |
| JCVLFLCL.ATX.02 | 734808-80141 | 1 | 0 | 0 | 400 | 520 | 0 | \$17,751 | \$34,209 | \$0 | \$51,960 | \$44,889 | \$86.33 |
| JCVLFLCL.FDW.03 | 732822-25751 | 1 | 0 | 0 | 200 | 260 | 0 | \$20,181 | \$30,105 | \$0 | \$50,286 | \$43,215 | \$166.21 |
| ORLDFLCL.FDW.03 | 734808-80811 | 1 | 0 | 98 | 200 | 260 | 1 | \$33,571 | \$31,016 | \$0 | \$64,587 | \$37,399 | \$143.84 |
| ORLDFLCL.ICF.01 | 732822-22941 | 1 | 0 | 96 | 300 | 399 | 1 | \$32,759 | \$51,734 | \$0 | \$84,493 | \$57,425 | \$143.92 |
| ORLDFLCL.LVC.01 | 732822-25741 | 1 | 0 | 263 | 400 | 2475 | 1 | \$44,572 | \$124,270 | \$1,183 | \$170,025 | \$132,937 | \$53.71 |
| ORLDFLMA.FDW.05 | 732822-25921 | 1 | 0 | 0 | 200 | 260 | 0 | \$27,431 | \$54,736 | \$0 | \$82,167 | \$75,096 | \$288.83 |
| PNVDFLMA.DLT.01 | 734808-81571 | 0 | 1 | 0 | 8 | 225 | 0 | \$15,949 | \$36,463 | \$0 | \$52,412 | \$52,412 | \$232.94 |
| MIAMFLWM.NVE.02 | 734808-80101 | 1 | | 0 | 100 | 305 | 0 | \$20,389 | \$40,761 | \$0 | \$61,150 | \$54,079 | \$177.31 |
| MIAMFLBA.NVE.03 | 734808-82031 | 4 | | 0 | 100 | 310 | 0 | \$18,074 | \$75,432 | \$0 | \$93,506 | \$65,222 | \$210.39 |
| MIAMFLBA.FIM.01 | 734808-80931 | 1 | | 0 | 100 | 300 | 0 | \$37,393 | \$68,407 | \$0 | \$105,800 | \$98,729 | \$329.10 |



| PROJECT ID | PROJECT ID & WBS# | # OF CAGES | # OF RACKS | LINEAR FT. BARRIER WALL | COLLOCATION SQ FT | COMMON AREA (SQ FT) | CARD READER | TOTAL COST DESIGN | TOTAL COST CONSTR | ASBESTOS COSTS | TOTAL COST | ADJUSTED TOTAL COST (LESS FIXED RATES) | ADJUSTED COST PER SQUARE FOOT |
|-----------------|-------------------|------------|------------|-------------------------|-------------------|---------------------|-------------|-------------------|-------------------|----------------|------------|-------------------------------------------|----------------------------------|
| MIAMFLSO.NVE.01 | 734808-82051 | 1 | | | 115 | 130 | 0 | \$11,881 | \$25,310 | \$2,047 | \$39,238 | \$32,167 | \$247.44 |
| MIAMFLSO.FIM.01 | 734808-81041 | 4 | | 0 | 100 | 130 | 0 | \$27,504 | \$53,943 | \$0 | \$81,447 | \$53,163 | \$408.95 |
| MIAMFLBR.NVE.01 | 734808-80181 | 2 | | 0 | 400 | 520 | 0 | \$18,062 | \$94,171 | \$0 | \$112,233 | \$98,091 | \$188.64 |
| PRRNFLMA.AKJ.07 | 734808-81741 | 1 | | 0 | 100 | 690 | 0 | \$14,452 | \$135,674 | \$0 | \$150,126 | \$143,055 | \$207.33 |
| MIAMFLFL.AKJ.02 | 734808-82201 | 1 | | 0 | 100 | 130 | 0 | \$13,459 | \$14,480 | \$1,738 | \$29,677 | \$22,606 | \$173.89 |
| MIAMFLBA.AKJ.04 | 734808-86081 | 1 | | 0 | 100 | 130 | 0 | \$17,144 | \$15,585 | \$0 | \$32,729 | \$25,658 | \$197.37 |
| MIAMFLAP.OVC.03 | 734808-81501 | 1 | | | 100 | 130 | 0 | \$13,323 | \$21,409 | \$2,076 | \$36,808 | \$29,737 | \$228.75 |
| MIAMFLAP.AKJ.02 | 734808-81581 | 1 | | | 100 | 130 | 0 | \$11,550 | \$21,230 | \$0 | \$32,780 | \$25,709 | \$197.76 |
| MIAMFLAP.ATX.01 | 734808-80281 | 1 | | | 400 | 1200 | 0 | \$31,177 | \$121,019 | \$0 | \$152,196 | \$145,125 | \$120.94 |
| MIAMFLWD.AKJ.02 | 734808-81651 | 1 | | | 100 | 130 | 1 | \$17,015 | \$29,624 | \$0 | \$46,639 | \$25,331 | \$194.85 |
| PRRNFLMA.NVE.03 | 734808-82021 | 1 | 7 | | 100 | 130 | 0 | \$10,668 | \$25,154 | \$0 | \$35,822 | \$28,751 | \$221.16 |

| PROJECT ID | PROJECT ID & WBS # | # OF CAGES | # OF RACKS | LINEAR FT. BARRIER WALL | COLLOCATION SQ FT | COMMON AREA (SQ FT) | CARD READER | TOTAL COST DESIGN | TOTAL COST CONSTR | ASBESTOS COSTS | TOTAL COST | ADJUSTED TOTAL COST (LESS FIXED RATES) | ADJUSTED COST PER SQUARE FOOT |
|-----------------|--------------------|------------|------------|-------------------------|-------------------|---------------------|-------------|-------------------|-------------------|----------------|------------|-------------------------------------------|----------------------------------|
| PRRNFLMA.ATX.01 | 734808-83271 | 1 | | | 400 | 520 | 0 | \$19,470 | \$86,020 | \$0 | \$105,490 | \$98,419 | \$189.27 |
| MIAMFLBR.FIM.01 | 734808-80921 | 1 | | | 100 | 1680 | 1 | \$36,405 | \$142,162 | \$1,042 | \$179,609 | \$158,301 | \$94.23 |
| MIAMFLBC.AKJ.02 | 734808-81731 | 1 | | | 100 | 1809 | 0 | \$22,725 | \$195,235 | \$0 | \$217,960 | \$210,889 | \$116.58 |
| MIAMFLSO.AKJ.05 | 734808-81841 | 1 | | S) | 100 | 130 | 0 | \$12,906 | \$22,402 | \$0 | \$35,308 | \$28,237 | \$217.21 |
| MIAMFLWM.FIM.03 | 734808-80631 | 1 | | 0 | 100 | 305 | 0 | \$19,092 | \$20,712 | \$0 | \$39,804 | \$32,733 | \$107.32 |
| MIAMFLWM.ACI.04 | 734808-81961 | 1 | | | 100 | 305 | 0 | \$19,344 | \$21,217 | \$0 | \$40,561 | \$33,490 | \$109.80 |
| MIAMFLFL.FIM.02 | 734808-81641 | 1 | | | 100 | 130 | 0 | \$9,318 | \$14,083 | \$0 | \$23,401 | \$16,330 | \$125.62 |
| FTLDFLJA.FIM.06 | 734808-82081 | 1 | | 5.5 | 100 | 1,640 | | \$14,264 | \$78,951 | \$0 | \$93,215 | \$85,814 | \$52.33 |
| PMBHFLCS.OVC.03 | 732822-25111 | | | | 100 | 130 | | \$24,558 | \$38,614 | \$3,452 | \$66,624 | \$66,624 | \$512.49 |
| PMBHFLFE.AKJ.03 | 734808-82221 | 1 | | - 4° | 100 | 130 | h(F | \$12,528 | \$42,730 | \$1,208 | \$56,466 | \$49,395 | \$379.96 |
| PMBHFLMA.ATX.02 | 734808 81011 | 1 | | | 400 | 1,668 | | \$32,359 | \$140,133 | \$0 | \$172,492 | \$165,421 | \$99.17 |



| PROJECT ID | PROJECT ID & WBS# | # OF CAGES | # OF RACKS | LINEAR FT. BARRIER WALL | COLLOCATION SQ FT | COMMON AREA (SQ FT) | CARD READER | TOTAL COST DESIGN | TOTAL COST CONSTR | ASBESTOS COSTS | TOTAL COST | ADJUSTED TOTAL COST (LESS FIXED RATES) | ADJUSTED COST PER SQUARE FOOT |
|-----------------|-------------------|------------|------------|-------------------------|-------------------|---------------------|-------------|-------------------|-------------------|----------------|------------|-------------------------------------------|----------------------------------|
| HLWDFLPE.ATX.01 | 734808 83101 | 1 | 7 | - 2 | 400 | 520 | | \$19,607 | \$42,248 | \$0 | \$61,855 | \$54,784 | \$105.35 |
| HLWDFLPE.AKJ.07 | 734808 86061 | 1 | | 1.0 | 100 | 130 | | \$18,685 | \$33,833 | \$0 | \$52,518 | \$45,447 | \$349.59 |
| HLWDFLPE.OVC.04 | 732822-25101 | 1 15 | c + | € | 100 | 130 | Yes. | \$19,124 | \$27,412 | \$253 | \$46,789 | \$46,789 | \$359.91 |

Average

\$198



Collocation Space Preparation Standard ICB Rate Worksheet (Network Construction) Issue 2 - 1/6/00

| Driver Description | # Vendor | First Unit Engrg Hrs Labor Hrs Minor Matl A | Subsequent Units lvg. Engrg Hrs Labor Hrs Minor Matl Avg. | | onventional Cageless stal \$ \$/Arrangement |
|------------------------------------------|---------------------|----------------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| Cable Rack - panned 15" (switchboard) | ADC 6R Lucent | 2 4 365 3 3 351.61 2.05 8 635 2.35 5.00 450.54 | 2 4 365 0.75 175 351.61 0.84 6 635 857.69 1.20 3.92 450.54 | 725.02 12 12 \$18,992.52 \$23.74 5 0 0 | \$6,861.49 \$857.69 |
| Cable Rack - nonpanned 15" | 102 | | | 34 (1) of the second of the se | |
| (power) | ADC 6R Lucent | 2 4 334 3 3 38.75 2.05 8 555 2.35 5.00 409.25 | 2 4 334 0,75 1,75 338,75 0,84 6 555 816,40 1,20 3,92 409,25 | 683.74 12 12 \$18,001.64 \$22.50 8 0 | \$6,531.20 \$816.40 |
| Cross-aisle cable rack | 104 | ALC: NO. | 2070 | Standing (Value Co. Contractor 19) | |
| | ADC 6R Lucent | 2 3 425 1.5 1 310.04 1.6 4 134 1.70 2.67 289.68 | 2 3 425 0.75 1 310.04 0.84 3 134 537.65 1.20 2.33 289.68 | 486.58 12 9 \$10,831.01 \$13.54 0 0 | \$0.00 |
| AC - main feed to bay | 105 | F | | | 40.00 |
| | ADC 6R Lucent | 3 4 422.48 2 10 483 | 0,75 3 422.48 1 10 483 968.24 0,88 6,50 452,74 | 831.62 5 0 \$4.841.20 \$6.05 8 0 | \$7,745.92 \$968.24 |
| Auxiliary Supports | 107 | 2.50 7.00 452.74 | 968.24 0.88 6.50 452.74 | 031.02 Response Distriction (V) 34,041.20 \$0.03 Response Over 15 (V) | \$7,745.92 \$968.24 |
| | ADC 6R Lucent | 1(41 4.4 165 3 1.5 198,34 1.5 6 161 | 1,41 4,4 165 0,75 1 198,34 0,33 6 161 | | |
| | Lucont | 1.97 3.97 174.11 | | 417.58 4 12 \$7,028.64 \$8.79 | \$1,757.16 \$219.65 |
| Stanchion | 108 | 1 2 76 | 1 2 76 | | |
| | ADC 6R Lucent | 1 2 76 3 1.5 94.36 0.85 3 164 | 0.75 1 94.38 0.36 3 184 | | |
| STAN BELY | 10,04 | 1.62 2.17 111.45 | 329.17 0.70 2.00 111.45 | 257.98 12 28 \$11,173.57 \$13.97 2 8 | \$2,722.21 \$340.28 |
| Main Aisle Conduit | ADC 6R | 1 2.51 450 3 3 357.42 | 1 2.51 450 0.75 2 357.42 | | |
| | Lucent | 1.88 3.17 285.14 | 0.81 4 48 570.42 0.85 2.84 285.14 | 483.02 2 \$2,106.87 \$2,63 2 2 | \$2,106.87 \$263.36 |
| Main Aisle Ground 2/0 | 110 | 1.66 3.17 205.14 | 570.42 0.03 2.04 203.14 | 403.02 超过20000000000000000000000000000000000 | \$2,100.87 |
| | ADC 6R Lucent | 2 4 145 3 6 178.66 1 4 60 | 2 4 145 0.75 3.75 178.66 0.75 4 50 | | |
| | Lucent | 2.00 4.67 124.55 | 491.22 1.17 3.92 124.55 | 396.97 1 0 \$491.22 \$0.61 1 0 | \$491.22 \$61.40 |
| Light Fixture - double tube | ADC 6R | 3 4 744,57 | 1 2 530 0.75 2 714.57 | | |
| | Lucent | 1 9 600 1.67 5.00 614.86 | 974.86 0.75 3.33 614.86 | 829.94 6 12 \$15,808.42 \$19.76 0 0 | \$0.00 \$0.00 |
| Cable hole establishment | 115 ADC | 1.07 5.00 014.00 | 374.00 0.73 3.33 014.00 | OZO.OT PRODUCTION OF STREET OF STREE | 30.00 |
| | 6R Lucent | 3 4 1001.5 5 2.51 162 4.00 3.26 581.75 | 0.75 4 1001.5 2 2.51 162 1017.25 1.38 3.26 581.75 | 836.12 2 0 \$2,034.49 \$2.54 2 0 | \$2,034.49 \$254.31 |
| Fiber Duct (Use 50% of driver # 11) | 11 | 0.83 4.71 225 | 366.06 0.36 1.17 225 | AND STATE OF THE S | \$5,385.84 \$673.23 |
| Cageless \$/Sq. Ft. | | | | \$131.15 | |

Cageless \$/Sq. Ft.

Caged or Nonconventional Cageless \$/Arrangement

\$4,454.55



Not for Disclosary Jutside BellSouth **Except by Written Agreement.**



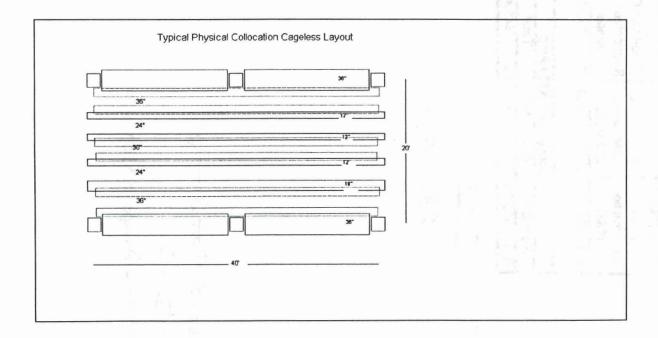
Assumptions:

BellSouth expends infrastructure capital immediately to prepare space. BellSouth has no control over utilization of this investment. The investment benefits no other service other than Collocation. Therefore, recovery of infrastructure costs should begin immediately without regard to activation of service. above. The cost calculations are based upon preliminary "driver" costs provided to Supply Chain Management by three Turf Vendors and a theoretical average arrangement of collocated equipment within this 800 sq. ft.. From these calculations the average EF&I cost/sq.ft. is determined. From the avg. EF&I

To accomplish this for caged or cageless non-conventional collocation the average EF&I space preparation cost to prepare 800 sq. ft. (2 building bays) of collocation space is calculated above. The cost calculations are based upon preliminary EF&I "driver" costs provided to Supply Chain Management by three Turf Vendors and a theoretical average of 8 - 100 sq. ft. arrangements within this 800 sq. ft. area. From these calculations the average EF&I cost/arrangement is determined. From the avg.EF&I cost/arrangement a cost study can determine a recurring rate to apply to every arrangement. All TelCo loadings must be applied to the EF&I cost.

The recurring charge for cross-connects should not be impacted by the standard rate space preparation charge. Cross connects will continue to require utilization of via or main aisle cable support to deliver the service from the collocated equipment to the demarcation point.

It must be emphasised that the above "driver" rates are very preliminary. These drivers are being established to address equipment space preparation. Such drivers do not currently exist, as space preparation for BellSouth equipment space has been recovered by Turf vendors through the MBOS model prices.





Region Total Power **Total CLEC Plant Total CLEC** Requested DC Construction Dedicated (\$\$\$)Cable (\$\$\$) Amps \$ 16,154,045 506,867 37,656 Power Construction \$\$\$ / Amp Plant Only Cable Only Total 429.00 \$ 13.46 \$ 442.46 - 1.5 286 Jused

Used < Rated Amps P = I × E WATTS = Amps × Volts Recommended AC power pricing formulas for the recovery of commercial AC power expenses and standby power assets. These formulas may be used to develop recurring charges when BST supplies AC equipment power to collocated equipment.

The following formulas can be used to compute the monthly cost of providing commercial and standby AC power to a collocated power plant. The costs are based on the electrical service (voltage and phases) and the rating (in Amps) of the electrical protection device used to provide AC power to the collocated power plant.

Commercial AC Formula (\$/month/breaker amp) for 120V, single phase (120/240) 0.07 \$/kwh X 8760 h/yr X 0.0833333 yr/mo X 0.001 KW/W X 0.8 W/VA 120 V/Phase 1 Phases X 1 Amps X 0.8 (NEC Rule) = for 240V, single phase (120/240) 0.07 \$/kwh X 8760 h/yr X 0.0833333 yr/mo X 0.001 KW/W X 0.8 W/VA 240 V/Phase X 1 Phases X 1 Amps X 0.8 (NEC Rule) = for 120V, three phase (208Y/120) 0.07 \$/kwh X 8760 h/yr X 0.0833333 yr/mo X 0.001 KW/W X 0.8 W/VA 120 V/Phase X 3 Phases X 1 Amps X 0.8 (NEC Rule) = 11.77 \$/month for 277V, three phase (480Y/277 or 480 Delta) 0.07 \$/kwh X 8760 h/yr X 0.0833333 yr/mo X 0.001 KW/W X 0.8 W/VA X 277 V/Phase 3 Phases X 1 Amps X 0.8 (NEC Rule) = 27.18 \$/month Engine Alternator Investment required to provide standy power per AC breaker amp for 120V, single phase (120/240) 800 \$/KW X 0.001 KW/W X 0.8 W/VA X 120 V/Phase X 1 Phases X 0.8 (NEC Rule) = for 240V, single phase (120/240) 800 \$/KW X 0.001 KW/W X 0.8 W/VA X 240 V/Phase X 1 Phases X 0.8 (NEC Rule) = \$122.88 for 120V, three phase (208Y/120) 800 \$/KW X 0.001 KW/W X 0.8 W/VA X 120 V/Phase X 3 Phases X 0.8 (NEC Rule) = \$184.32 for 277V, three phase (480Y/277 or 480 Delta) 800 \$/KW X 0.001 KW/W X 0.8 W/VA X 277 V/Phase X 3 Phases X 0.8 (NEC Rule) = \$425.47

3.92 \$/month

7.85 \$/month

The above formulas can be reduced to:

for 120V, single phase - monthly recurring billing =

(\$3.92 + monthly recurring charge to recover \$61.44 standby engine asset) X AC breaker amperage rating for 240V, single phase - monthly recurring billing =

(\$7.85 + monthly recurring charge to recover \$122.88 standby engine asset) X AC breaker amperage rating for 120V, three phase - monthly recurring billing =

(\$11.77 + monthly recurring charge to recover \$184.32 standby engine asset) X AC breaker amperage rating for 277V, three phase - monthly recurring billing =

(\$27.18 + monthly recurring charge to recover \$425.47 standby engine asset) X AC breaker amperage rating

2/9/1999

Spreadsheet developed by Tom Weber, NP&PS, 205-321-8113.

The commercial AC formulas were developed by John Clements, P&SM.

The standby engine investment formlas were developed by Steve Martin, NP&PS.

(Note: the maximum utilization on a standby engine will be approximately 80%.

The regional average utilization of these assets is estimated at approximately 65%)



H.1.37

| Average Card Reader Installation C | Costs: |
|------------------------------------------------|-------------------------|
| Average card reader installation includes 2 re | |
| | 4 . 9 . |
| ITEM | COST |
| Unit | \$7,286 |
| Modem & encryption software | \$575 |
| Avg. electrical job | \$1,500 |
| POTS line | \$300 |
| Total | \$9,661 |
| Parsons markup @1% | \$97 |
| Parsons distributables/loadings @ 13.5% | \$1,304 |
| *Host cost | \$257 |
| Grand Total | \$ <mark>11,31</mark> 9 |
| | |
| Notes: | |
| * Host costs include hardware, software and | communications costs. |
| Host can support 2,000 - 3000 units. | |
| Host costs spread over 2000 units | |
| No taxes included. | |

Kot for bio...

Except by Written Agreement.

HESSAGE

Subject: Cost Accounting Information for Collocation

Sender: Rusty M. Foster /m3, mail3a

Dated: 9/30/99 at 10:56 Contents: 2

Itam 1

TO: Woodeon E. Elston /m6, mail6a

CC: Lynetta Baldwin /m6, mail6a; PHONE=205-321-4455 Jerry E. Higgins /m7, mail7a; PHONE=205-321-2672 Karen C. Hill /m2, mail2a; PHONE=615-646-7449 Beth Shiroishi /m4, mail4a; PHONE=404-927-1375

Item 2

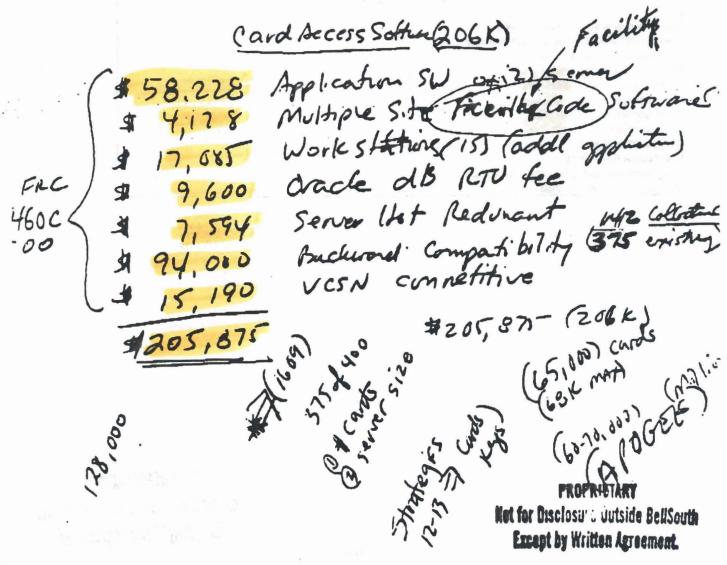
Woody,

Listed below is the information you requested:

| | Field Reporting Code | RTC 533 | COST |
|----------------------|--------------------------|------------|-------------------|
| Card Access Hardware | 530C(inside data cnts) | 523 | 7 |
| | 630C (outside data ontr) | 523 | \$ 69E/ New Syst. |
| Card Access Software | 460C | 613 | \$2062 New Syst. |
| Hardware Mntce | 93010 | 481 | \$125K/Yr. Extg. |

Submitted,

Rusty Foater 205-321-4793



| Matl | Source | Cost |
|----------------------------------------------------|----------------------------|------------|
| | | |
| Virtual Collocation - 2 Fiber (Singlemode) Cross | s Connects | |
| LGX Bay | | |
| Bay Frwk | Network Planning & Support | 703.94 |
| Retainers JR4C9 | Network Planning & Support | 265.96 |
| Lightguide Kit (2) | Network Planning & Support | 61 |
| Total Material Price | Network Planning & Support | \$1,030.90 |
| Circuit Capacity | Network Planning & Support | 324 |
| Projected Actual Utilization | Network Planning & Support | |
| LGX Shelf | | |
| Shelf | Network Planning & Support | 248.27 |
| Coupler Panel (12) | Network Planning & Support | 155.76 |
| SC Coupling (72) | Network Planning & Support | 432 |
| Total Material Price | Network Planning & Support | 836.03 |
| Circuit Capacity | Network Planning & Support | 36 |
| Projected Actual Utilization | Network Planning & Support | |
| Fiber Duct (fiber jumper support) | | Note |
| Material Price per foot | Network Planning & Support | \$9.15 |
| Number Feet | Network Planning & Support | 300 |
| Circuit Capacity | Network Planning & Support | 400 |
| Projected Actual Utilization | Network Planning & Support | |
| Note 1: Virtual collocation equip. is typically | | |
| placed in BST lineups and will use BST fiber duct. | | |
| Fiber Duct Components/60ft run | | |
| 10 - 4x4 Straight Duct 6' \$32.97ea | | |
| 2 - 4x4 Elbow \$49.31ea | | |
| 10 - 4x4 Splice \$1.86ea | | |
| 5 - Support Details \$3.23ea | | |
| 5 - threaded rod \$17.19ea | | |
| Total per 60ft = \$549.02 | | |
| Matl Cost per Foot = \$9.15 | | |
| Fiber Patchcord Capacity from ADC catalog = 800 | | |
| Assumes 3mm patchcords, 2/ckt | | |

PROPRIETARY
Not for Disclosure Outside BellSouth
Except by Written Agreement.

What costs are recovered in space construction?

the !

The following unit cost specifications were compiled based on engineering estimates and actual costs. The engineer's estimates were extrapolated from actual projects to come up with a cost per square foot. The actual costs were taken from past projects and project costs to determine a new project baseline cost.

Space construction investment for the first 100 square foot enclosure includes (a) the material and labor cost of constructing a 100 square foot welded wire mesh enclosure, (b) architectural and engineering fees for project management, design and construction oversight, and (c) electrical and grounding work.

The standard is a 100 square foot enclosure and is assumed to be a 10' by 10' space with enclosure required on 3 sides for a total of 30 linear feet. Enclosure sizes are available at 100 s.f. minimum and then 50 s.f. increments.

These prices are based on constructing the entire collocation suite and all enclosures at the same time (at least 80% of the time). This method allows for cost savings due to bulk purchases, reduced contractor setup fee and reduced architectural/engineering fees. The enclosure construction can not be done at this rate if the enclosures are constructed as each firm orders is received.

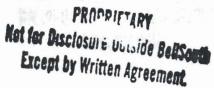
These costs are considered to be the most likely costs. The actual cost will vary according to existing building conditions, location of building, and local material and labor rates.

The material and labor costs for constructing the 100 square foot enclosure are as follows:

| tottows. | |
|-------------------------------------------------|--------|
| Welded Wire Mesh Enclosure (3 sides considered) | \$2246 |
| Swinging Door (3' x 8') and lockset | \$ 726 |
| Dust Protection | \$ 478 |
| Electrical Work | \$ 336 |
| Electrical Grounding | \$1558 |
| Signage | \$ 132 |
| General Conditions | \$ 433 |
| Contractor's Fee | \$ 709 |
| Architectural/Engineering fee | \$1059 |
| Project Management fee | \$ 529 |
| Total | \$8206 |
| Incremental cost for additional 50 s.f. | \$ 947 |

Space construction investment for an additional 50 square feet includes the material and labor cost of increasing the enclosure by additional 50 foot increments when constructed

(See calculation below)



at the same time as the first 100 square foot enclosure. Costs may include additional wire cage, doors, electrical and grounding work.

The incremental amount per 50 square feet (over the first 100 square feet) is weighted with the following probabilities to determine the cost per additional 50 square feet:

| Square feet | Probability | Computation | Cost |
|-------------|-------------|-------------------------------------|-------|
| 150 | 5% | (\$9,480-\$8,206)/1x0.05 = | \$ 64 |
| 200 | 55% | (\$10,239-\$8,206)/2x0.55= | \$559 |
| 250 | 0% | (\$10,810-\$8,206)/3x0.00- | \$ 0 |
| 300 | 9% | (\$11,537-\$8,206)/4x0.09= | \$ 75 |
| 350 | 0% | (\$12,108-\$8,206)/5x0.00- | \$ 0 |
| 400 | 31% | (\$13,019-\$8,206)/6x0.31= | \$249 |
| | | | |
| | 100% | the manufacture of the first of the | \$947 |

These probabilities are based on the actual requests for physical collocation enclosure construction received by BellSouth in 1997 and 1998 excluding the unusual requests for 700 s.f., 4000 s.f. and 5000 s.f..

and medit in the fairness lead his goldhard and all as a contract and an arms

Total

Mod for Drees Agreement

BELLSOUTH COLLOCATION COST STUDY

PROJECT:

TYPICAL COLLOCATOR COSTS - WIRE MESH PARTITION SYSTEM

LOCATION:

Varies

ROOM AREA:

100 SF

CLIENT:

BellSouth Telecommunications, IncPROJECT NO:

DATE: 3/22/2000

SUMMARY

| DESCRIPTION | PERCENT | SUBTOTAL | COST PER |
|-------------------------------------------|-------------|----------|----------------|
| 1. GENERAL CONDITIONS | OF JOB 7.33 | \$433 | SQ. FT. \$4.33 |
| 10. SPECIALTIES | 60.62 | \$3,582 | \$35.82 |
| 16. ELECTRICAL | 32.05 | \$1,894 | \$18.94 |
| SUBTOTAL | 100 | \$5,909 | 59.09 |
| CONTRACTOR'S MARKUP (12%) | | \$709 | \$7.09 |
| TOTAL ESTIMATED CONSTRUCTION COST | _ | \$6,618 | \$66.18 |
| ESTIMATED ARCHITECTURAL/ENGINEERING FEE(1 | 6%) | \$1,059 | \$10.59 |
| PROJECT MANAGEMENT FEE (8%) | | \$529 | \$5.29 |
| TOTAL DESIGN/CONSTRUCTION COST | _ | \$8,206 | \$82.06 |

BREAKDOWN BY DIVISION

| DESCRIPTION QUA | | UNIT MEAS. | | SUBTOTAL COST | TOTAL COST |
|--------------------------------------------------------------------------------------------------------|---|---------------|-------|---------------|------------|
| 1. GENERAL CONDITIONS | | .iviEAG. | | | \$433 |
| Superintendent | 1 | LS | 433 | \$433 | |
| General clean up | 1 | LS | 0 | \$0 | |
| Permit (Moved to Space Preparation) | 1 | LS | 0 | \$0 | |
| Contingency (5%) | 1 | LS | 0 | \$0 | |
| 10. SPECIALTIES | | | | | \$3,582 |
| Wire Mesh partition enclosure | | | | | |
| Swinging door and lockset | 1 | Ea | 726 | \$726 | |
| Wall panels | 1 | Ea | 2,246 | \$2,246 | |
| Signage | 1 | Ea | 132 | \$132 | |
| Miscellaneous Protection | 1 | Job | 478 | \$478 | |
| Prep) | 0 | LF | 0 | \$0 | |
| 16. ELECTRICAL | | | | | \$1,894 |
| Relocation or addition of light fixture(s) | 1 | Job | 336 | \$336 | |
| Complete grounding of wire mesh partition system, including all necessary conductors, lugs, taps, etc. | 1 | Job | 1,558 | \$1,558 | |

Note:

Costs shown above are directly attributable to the cost of preparing the Collocator's enclosure only. The space enclosure charge per the tarrif. Space Preparation costs are not inclu

Assumptions: Entire collocation suite and all enclosures are constructed at the same time (at least 80% of t All mechanical and electrical modifications will be included in the space preparation fees.

It is not possible to construct the enclosures for this cost if they are constructed at different times a for a central office is received. The cost savings are due to reduced set-up, architectural, engineering management fees, supervision, as well as bulk purchases.

Not for Disease Except by Written Agreement.

| | | 25 | | | | 50 | | | | 100 | | | | 150 | | | | 200 | | |
|--------------------------------------------------------------------------------|-----------------|------------|----|----------------------------|-----|------------|-------|----------------------------|-----|-------------|----------|------------------------------|-----|-------------|----------|-------------------------|-----|-------------|----------|-------------------------|
| 26 | Qty | Unit Cost | Т | otal | Qty | Unit Cost | | Total | Qty | Unit Cost | | Total | Qty | Unit Cost | | Total | Qty | Unit Cos | t | Total |
| Wire mesh panels (56.15/Linear Foot) | 5 | 74.87 | \$ | 374 | 10 | 74.87 | \$ | 749 | 30 | 74.87 | \$ | 2,246 | 35 | 74.87 | \$ | 2,620 | 40 | 74.87 | \$ | 2,995 |
| Relocate Wire Panels | _1 ² | 300 | \$ | 300 | 1 | 300 | \$ | 300 | | | | 12 | 1 | 300 | \$ | 300 | 1 | 300 | \$ | 300 |
| Swing Door & Lockset | . 1 | 726 | \$ | 726 | 1 | 726 | \$ | 726 | 1 | 726 | \$ | 726 | 1 | 726 | \$ | 726 | 1 | 726 | \$ | 726 |
| Additional Protection | 1 | 478 | \$ | 478 | 1 | 478 | \$ | 478 | 1 | 478 | \$ | 478 | 1 | 400 | \$ | 400 | 1 | 400 | \$ | 400 |
| Electrical | 1 | 336 | \$ | 336 | 1 | 336 | \$ | 336 | 1 | 336 | \$ | 336 | 1 | 336 | \$ | 336 | 1 | 336 | \$ | 336 |
| Grounding | 1 | 1558 | \$ | 1,558 | 1 | 1558 | \$ | 1,558 | 1 | 1558 | \$ | 1,558 | 1 | 1600 | \$ | 1,600 | 1 | 1700 | \$ | 1,700 |
| Signage | . 1 | 132 | \$ | 132 | 1 🖁 | 132 | \$ | 132 | 1 | 132 | \$ | 132 | 1 | 132 | \$ | 132 | 1 | 132 | \$ | 132 |
| General Cleanup | 1 | 0 | \$ | 0.000 | 1 | 0 | \$ | | 1 | 0 | \$ | | 1 | 100 | \$ | 100 | 1 5 | 125 | \$ | 125 |
| Superintendent (5%) Contingency(5%) | 1 | 344 | \$ | 344 | 1 | 377 | \$ | 377 | 1 | 433 | \$ | 433 | 1 | 306 306 | \$ | 306 306 | 1 | 329 329 | \$ | 329 329 |
| Contractor Fee (12%) | 1 | 510 | \$ | 510 | 1 | 559 | \$ | 559 | 1 | 709 | \$ | 709 | 1 | 819 | \$ | 819 | 1 | 885 | \$ | 885 |
| A/E Fees(16%) Project Mgmt(5%) Total | 1 | 761 381 | \$ | 761 381 5,900 | 1 | 834 417 | \$ | 834 417 6,466 | 1 | 1059 529 | \$ \$ | 1,059 529 8,206 | 1 | 1223 612 | \$ | 1,223 612 9,480 | 1 | 1321 661 | \$ \$ | 661 |
| Construction w/o gen.cond. Total Construction w/o fee Total Construction w/fee | | | | 3,904 4,248 4,758 | | | \$ \$ | 4,279 4,656 5,215 | | | \$ \$ | 5,476 5,909 6,618 | | | \$ \$ \$ | 6,114 6,826 7,645 | | | \$ \$ | 6,589 7,372 8,257 |
| Incremental cost per 50sf from std. Cost (100sf) | | | | 9 | | | \$ | (1,740) | | | \$ | | | | \$ | 1,274 | | | \$ | 1,016 |
| Percentage Cost | | | | | | | | | | | | | | | | 5% 64 | | | | 55% 559 |

PROPRIETARY Mot for Disclosure Outside BellSouth Except by Written Agreement.

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| | J | | 250 | | | | | 300 | | | 350 | | | | 400 | |
|-----------------------------------------------------|-----|---------|---------|-----|--------|-----|------|---------|--------------|-----|---------|----|---------|-----------|------------|--------------|
| | Qty | Un | it Cost | 100 | Total | Qty | Un | it Cost | Total | Qty | Unit Co | st | Total | Qty | Unit Cost | Total |
| Wire mesh panels (56.15/Linear Foot) | 45 | 7 | 4.87 | \$ | 3,369 | 50 | 7 | 4.87 | \$ 3,744 | 55 | 74.87 | | 4,118 | 60 | 74.87 | \$ 4,492 |
| Relocate Wire Panels | 1 | 24 | 300 | \$ | 300 | 1 | | 300 | \$ 300 | 1 | 300 | 9 | 300 | 1 | 300 | \$ 300 |
| Swing Door & Lockset | 1 | Marie I | 726 | \$ | 726 | 1 | | 726 | \$ 726 | 1 | 726 | | 726 | 1 | 726 | \$ 726 |
| Additional Protection | 1 | 4 | 400 | \$ | 400 | 1 | | 400 | \$ 400 | 1 | 400 | 9 | 400 | 1 | 400 | \$ 400 |
| Electrical | 1 | | 336 | \$ | 336 | 1 | | 336 | \$ 336 | 1 | 336 | 9 | 336 | 1 | 336 | \$ 336 |
| Grounding | 1 | 1 48 | 1700 | \$ | 1,700 | 1 | e-id | 1800 | \$ 1,800 | 1 | 1800 | 9 | 1,800 | 1 | 2000 | \$ 2,000 |
| Signage | 1 | | 132 | \$ | 132 | 1 | | 132 | \$ 132 | 1 | 132 | 5 | 132 | 1. | 132 | \$ 132 |
| General | | | | | | | | | | | | | | 1 | | |
| Cleanup | 1 | | 125 | \$ | 125 | . 1 | | 125 | \$ 125 | 1 | 125 | 9 | 125 | 1 | 150 | \$ 150 |
| Superintendent (5%) | 1 | | 348 | \$ | 348 | 1 | | 372 | \$ 372 | 1 | 391 | 9 | 391 | - 1 | 419 | \$ 419 |
| Contingency(5%) | 1 | | 348 | \$ | 348 | 1 | | 372 | \$ 372 | 1 | 391 | 9 | | 1 | 419 | \$ 419 |
| Contractor Fee (12%) | 1 | | 934 | \$ | 934 | . 1 | | 997 | \$ 997 | 1 | 1046 | | | 1 | 1125 | \$ 1,125 |
| A/E Fees(16%) | 1 | . NEXT | 1395 | \$ | 1,395 | 1 | 1 | 1489 | \$ 1,489 | 1 | 1562 | 9 | 1,562 | 1 | 1680 | \$ 1,680 |
| Project Mgmt(5%) | 1 | | 697 | \$ | 697 | 1 | | 744 | \$ 744 | 1. | 781 | 5 | 781 | 1 | 840 | \$ 840 |
| Total | | | | \$ | 10,810 | | | | \$ 11,537 | | | | 12,108 | 1 | | \$ 13,019 |
| | | | | | | | | | 45, 1 | | | | | - | | |
| Construction w/o gen.cond. | | | | \$ | 6,963 | | | | \$ 7,438 | | | 9 | | | | \$ 8,386 |
| Total Construction w/o fee | | | | \$ | 7,784 | | | | \$ 8,307 | | | 9 | | | | \$ 9,374 |
| Total Construction w/fee | | | | \$ | 8,718 | | | | \$ 9,304 | | | \$ | 9,765 | | | \$ 10,499 |
| Incremental cost per 50sf from std. Cost (100sf) | | | | \$ | 868 | | | | \$ 833 | | | \$ | 780 | | | \$ 802 |
| and the same of the same | | | | | . 4 | | | | | | | | Total A | vg.Increm | ental cost | \$ 929 |
| | | | | | - 14 | | | | 1. 9.0 | | | | | | | |
| Percentage Cost | | | | | 0% | | | | 9% 75 | | | | 0% | | | 31% 249 |

PROPRIETARY

Not for Disclosure Outside BellSouth

Except by Written Agreement.



| I A | \Box | В | С | D | E | F | G | 1 | 1 | К | 1 | M | N | 0 | P | Q |
|-------------|---------------|---------|-----------------------------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------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| 1 | + | - | Updated 11/10/98 TEW @ 205-321-8113 | | | | | | - | - " | _ | | - 1 | | - | 4 |
| 2 | \neg | | | | | | | | | | | | | | | |
| 3 | | | | | | | | 7. | | | - | | | | | |
| 4 Sta | te | Cost | COLLOCATION | VIRTUAL | | PHYSICAL | | | | | | | | | | - ADV - 7 |
| 5 | - P | # | | Inputs | New inputs | Inputs | New Inputs | Attachment Ref. # | Supporting Info | | | | 1 | | | 1.00 |
| 6 | | | | | | 1 1 1 | | | | | | | | | | |
| 7 FL | L | H.1.7 | Physical Collocation - Cable Support Structur | | | | | | | | | | | | | |
| 8 | | | Investment per Foot | \$35.000 | \$33,960 | \$35.000 | \$33.960 | | 5" Rack = \$233.49/ | 9.7 ft.= \$19.9 | 6/ft.; Audian | y framing, sup | port rods, jun | ction details, etc | . estimated at \$ | 14.00 ft. |
| 9 | _ | | Cable Capacity | 30 | | 30 | | | Note 7 | | | | | | 1 | |
| 10 | - | - | Projected Actual Utilization | 50.00% | | 50.00% | | | | | | 111 | 1.11 | - NULLE / | | indi |
| 11 | - | 100 | Average Cable Length | 350 | | 400 | | | | | | | | | | |
| 12 13 FL | ٠. | | | A | | 840F 000 | | | | | | 100 | d | | | |
| 13 FL | - 1 | H.1.8 | Physical Collocation - Power, Per Ampere Monthly Power Usage | \$165.800 | -17 | \$165.800 | | | at the | | - | - | - | | 6. | and the second |
| 15 | \rightarrow | - | Average Monthly Cost per KWH | \$0.070 | | \$0.070 | | | = \$.07/month x 48 v | - W 24h | 14 | | 1 - 11 - 0000 | - 4 4 - 4 | - | |
| 16 | | 17.2 | Watts | 48 | - | 48 | | | = \$1.8972/Mo | vatts x 24mms | day x 30days | /mo x 1/.85 Fe | ect ett x .0000 | adj.factr | | The same |
| 17 | | | Rectifier Efficiency | 85% | | 85% | | | The above formula | bac been mo | tified to includ | to a factor of | ecce | | - | 1.000 |
| 18 | - | 77.5 | recond Emdally | 00 /6 | - | 00 /0 | | | This factor is require | | | | | mon the rating | of the DC protec | tion device |
| 19 | + | 16 | COBO M O CHOTEK | | | 1077527 | | | Tedar is redain | - 10 cerculat | - Commercial | power corist | - paur beseu | apoli une rating | I we be protect | TOTAL DEVICE |
| 20 | 1 | - | | | - | 1777 | | | 1.3100 | | | | | | - | |
| 21 | 1 | | | | | 7,50 | | | A THE STATE OF THE | | | - | | | | |
| | LI | H.1.9 | Physical Collocation - 2-Wire Cross Connect | 6 | | | | | -1 | | | | - | | | |
| 23 | 0 | 291 | Trunk Distributing Frame | | Name and Address of the Owner, where the Owner, which is the Owner, where the Owner, which is the Owner, whic | And the last of the same | | | Control of the Control | | - | 100000 | | | | |
| 24 | | 1. | | \$3,976.000 | \$4,110.48 | \$3,978.000 | \$4,110.48 | 2 | \$3736.80 + 10% (\$ | 373.68) for c | able rings, de | signation boar | rds, and other | misc, hardware | | 100 |
| 25 | 30,10 | Locals. | Circuit Capacity | 12000 | | 12000 | | 1966 | | | 114 | | | 214 | | 2.400 |
| 26 | | 1 (3) | Projected Actual Utilization | 85.00% | | 85.00% | | | LANCE TO L | | IDX . | | | 1/4 | 17 2 | A TOTAL |
| 27 | | | Number Required | 2 | All and an arrange | 2 | | | The same of the sa | | | | - | | | 100 |
| 28 | - | | Connecting Block | | 56.54 | | | | 100 | 11 | 9 | | 8h.: | | | |
| 29 | 11 | Mig. | Material Price | \$29.440 | | \$29,440 | THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TO THE PERSON NA | 3 | . 12 | | MID. 3 | 2470 | Y Y | | TV | F. Charles |
| 30 | | 1 | Circuit Capacity | 100 | | 100 | - | | 6.17.2 | 1 | | | 20 | | | |
| 31 | . " | 11,117 | Projected Actual Utilization | 85.00% | | 85.00% | | 73.0 | The state of | | 35 | 172 | | 78 | | 1 98 |
| 32 | | 4111 | Number Required | 2 | 100 | 2 | | 13: 1 | CARST A | - E | July 10 | | | 1 | Tr. | W THE T |
| 33 | - | - | Cable | | | environment . | 44.44 | | | | - | - | 17 | | 1 | |
| 34 | - | - | Material Price per foot | | 1000 | \$1,000 | \$0.863 | 4 | PATH | - | - | | | 110 | 1- | 6.9.000 |
| 35 | - | 1000 | Number Feet | | | 100 | | | - | | | | 11. | | | 1 |
| 36 | \rightarrow | _ | Circuit Capacity | | | 85.00% | RESERVATION OF THE PROPERTY OF | | | | - | - | - | - | - | |
| 38 | - | - | Projected Actual Utilization Cable Rack | | | | | | | | | | - | | - | - 2 |
| 39 | - | 410 | Material Price per foot | \$38.000 | \$38.070 | \$38,000 | \$38,070 | 5 | Rack = \$233.49/9.7 | # = \$24 OZA | D · Aradiany fr | ramina europa | et rade is melic | n detaile etc e | ctimated at \$14 | 00.6 |
| 40 | - | - | Number Feet | 300 | \$30.070 | 400 | \$30,970 | | Track - \$235,4575.7 | 11 \$24.077 | L., recones y n | arming, suppo | Trode, juricus | ar octains, etc. c | sumated at \$14. | WIL. |
| 41 | - | F 30- | Circuit Capacity | 48000 | 97200 | 48000 | 97200 | | Note;1 | | | 100 | - | - | 2. 10 | e William |
| 42 | - | - | Projected Actual Utilization | 58.95% | PARTITION OF THE PARTY | 58.95% | ECHNORISES AND AND | | 1.010,1 | | 1/2 | | | | | - |
| 43 | \rightarrow | - | Trojected Federal Contactor | Annual Control | HISHORIC CHORISTICH | management and the second | A DESCRIPTION OF THE PROPERTY | | 176 | | | | | 111 | 1 | |
| | LF | H.1.10 | Physical Collocation - 4-Wire Cross Connect | 6 | | A AV | | 64 | 1.30 | | 110 | - | 7 7 7 7 | | | TEND Y |
| 45 | 1 | | Trunk Distributing Frame | | | 31191.0 | | | 27/8: | | N | 7 | | | - | 179574 |
| 46 | | | Material Price | \$3,976.000 | \$4,110.48 | \$3,976.000 | \$4,110.48 | 2 | \$3736.80 + 10% (\$ | 373.68) for c | able rings, de | signation boa | rds, and other | misc. hardware | b. | - 9 90 |
| 47 | 1 | 1,01,0 | Circuit Capacity | 6000 | | 6000 | | THE RESERVE | 277 | | 3.01 | 100 | | | 1 | IAC ST |
| 48 | | | Projected Actual Utilization | 85.00% | | 85.00% | | 17.7 | | | 4 | | | 1,11 | | |
| 49 | | | Number Required | 2 | | 2 | | | 1 11 | | | | | | | - It was |
| 50 | | | Connecting Block | | | N. C. L. A. W. S. L. | and a decided and a decided | 1=1 | 1.33 | | | 1.10 | | | | LIN |
| 51 | | | Material Price | \$29.440 | | \$29.440 | | 3 | | | | | | | | |
| 52 | | | Circuit Capacity | 50 | | 50 | NAME OF THE PROPERTY OF THE PARTY OF THE PAR | | Call | | | | | | | |
| 53 | | | Projected Actual Utilization | 85.00% | | 85.00% | CHALACE | - 1 | 1 T | | | - | | | | - |
| 54 | | 10000 | Number Required | 2 | | 2 | | | | | | | | - | | |
| 55 | | | Cable | | | THE SECOND STORY OF MANAGEMENT AND ADDRESS OF THE SECOND STORY OF | | | | | | | | | | |
| 56 57 | | | Material Price per foot | | | \$1.000 | \$0.863 | 4 | - | | | | | | - | |
| 57 | - | | Number Feet | | | 400 | | | | | - | - | | | - | 2 |
| 58 | | | Circuit Capacity | - N | 0.00 | 50 | where the following the first terms of the first te | | | | - | 121 | | | 1 | 1 2 |
| 59 60 | - | | Projected Actual Utilization | | | 85.00% | | | | | - | - | - | - | | |
| 61 | - | | Cable Rack | \$38,000 | \$38.070 | \$38,000 | \$38,070 | 5 | Rack = \$233,49/9.7 | 0 = \$24 074 | O . Audilar . A | ramina euro- | et rada he -ti | n details at - | elimated at \$14 | 00.0 |
| 62 | - | - | Material Price per foot Number Feet | \$38,000 | \$38.070 | \$38,000 | \$36,070 | 5 | nata = \$233,49/9, | 16 \$24.077 | IL., ALMIIARY II | arning, suppo | rous, junction | ar details, etc. e | Tournated at \$14. | W IL. |
| 02 | - | - | Number Feet Circuit Capacity | 24000 | 48600 | 24000 | 48600 | | Note 1 | - | - | - | | - | | |
| 63 | | | | | | | | | | | | | | | | |



| T A | T | В | С | D | E | F | G | 1 | T J | I K | L | М | N | 0 | Гр | Q |
|-------------------|---------------|---------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------|-----------------|------------------|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------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| 65 | | | | VIRTUAL | | PHYSICAL | | | | | _ | | 14 | - | - | - 4 |
| 66 FI | L | H.1.11 | Physical Collocation - DS1 Cross Connects | | | | | F1 X 77 | - | 77 | | day of the | | - | - | |
| 67 | | | DSX-1 Panel Provided by anothe | r group | | | | - | | | - | | | - | - | - |
| 68 | | | Cable | | | 11 20 12 | | | 1 | | | | | - | - | |
| 69 | | | Material Price per foot | | | \$0.680 | \$0.634 | 6 | | 11.50 | 1100 | - | - | | | |
| 70 | | | Number Feet | | | 300 | 1000 | | | | | | | - | | |
| 71 | | | Additional Feet if Repeater | | | 600 | - | | | 1 | | | | - | | |
| 72 | \neg | 100 | Circuit Capacity | | | 14 | | | | ANTE DE | | | | - | - | |
| 73 | | 1.00 | Projected Actual Utilization | | | 90.00% | NAME OF THE OWNER, OWNER, OWNER, OWNER, OWNER, OWNER, | | | | | | | - | | |
| 74 | | | Percent Repeater Required | | | 5.00% | the second of the second of the second | | | 1 | | 100 -000 | | | - | |
| 75 | | 335 | Cable Rack | | | A CONTRACTOR | | | | | 1 - 1 | | | | | |
| 76 | | | Material Price per foot | \$38,000 | \$38.070 | \$38,000 | \$38.070 | 5 | Rack = \$233.49/9.7 | 7 ft.= \$24.07/ | t.: Audiliary fr | aming, suppo | rt rods, junctio | on details etc. | etimated at \$14 | 00.0 |
| 77 | | 77 | Number Feet | 300 | | 300 | | | | | I | | 1.000, ja 30. | Toctano, cto. c | Sumatou at \$14 | 1 |
| 78 | | 7.65 | Additional Feet if Repeater | | | 600 | and the state of | | | | | 1 | 12.00 | | | |
| 79 | | | Circuit Capacity | 6720 | 10528 | 6720 | 10528 | V | Note 2 | | | | | 12212 | | |
| 80 | | | Projected Actual Utilization | 60.30% | | 60.30% | | | | | | | | | | |
| 81 | | | Percent Repeater Required | | | 5.00% | | | District B | | | | | | | |
| 82 | | | Repeater Bay | | | | | | | | 1 | | | | | |
| 83 | | | Material Price | | | \$4,579,000 | \$455.400 | | | | | | | | | |
| 84 | | | Circuit Capacity | | | 224 | Company of the Compan | | | | | | | | | |
| 85 | | 1. | Projected Actual Utilization | | | 30.00% | | | | | | | | | | |
| 86 | | | Percent Required | | | 5.00% | ' | | | | | | | | | |
| 87 | | | Repeater Shelf | | | | the state of the s | | | | | | | | | |
| 88 | | | Material Price | | | \$276,000 | \$276.250 | | | | | | | | | |
| 89 | | - 1 | Circuit Capacity | | | 28 | | | | | | | | | | |
| 90 | | | Projected Actual Utilization | | | 80.00% | | | | | | | | | | |
| 91 | | | Percent Required | | | 5.00% | - 100 2 3 4 2 2 2 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | | | | | 100 | |
| 92 | | 1000 | Repeater | | | | | | | | | | | | | |
| 93 | | 11100 | Material Price | | | \$280,000 | \$289.000 | | | | | | | | | |
| 94 | | 200 | Circuit Capacity | | | 1 | | | | | | | | | | |
| 95 | | | Projected Actual Utilization | | | 100.00% | | | | | | | | | | |
| 96 | | | Percent Required | | | 5.00% | | | | | | | | | | |
| 97 | | 4 | - 13/ 11 E. | | | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | | | | | | | |
| | L | H.1.12 | Physical Collocation - DS3 Cross Connects | | | | | | | | | | | | | |
| 99 | | | DSX-3 Panel Provided by another | r group | | | | | + | - | | | | | | |
| 100 | | | Cable | | | AND DESCRIPTION OF THE PERSON NAMED IN COLUMN | Contraction of the last of the | | | | | | | | | |
| 101 | | | Material Price per foot | _ | | \$0.770 | \$0.488 | 7 and 8 | Note 3 | | | | | | | |
| 102 | | | Connector Material Price per cable | | in | \$10,000 | \$7.760 | 9 and 10 | | | | | | | | |
| 103 | | | Number Feet | | | 300 | | | | | | | | | | |
| 104 | _ | | Additional Feet if Repeater | | | 400 | | | | | | | and the state of t | 2 115500 | | |
| 105 | _ | | Number Cables per Circuit | | | 2 | | | | | | | | | | |
| 106 | - | _ | Circuit Capacity | ABANG BARANANANANANANANANANANANANANANANANANANA | AND REPORTED AND REPORT | 1 | And a facility of the control of the | | | | | | | | | |
| 107 | - | - | Projected Actual Utilization | | | 100.00% | * KINBICHIKUNDARKEN | | | | | | | | | |
| 108 | - | | Percent Repeater Required | Lancard Value | | 10.00% | | | | | | | | | | |
| 109 | - | | Cable Rack | THE WATER OF THE PARTY OF THE P | | rymyny mtropina atlana u u r | | | | | | | | | Supply 2 | Mar. |
| 110 | - | | Material Price per foot | \$38,000 | \$38.070 | \$38.000 | \$39.070 | 5 | Rack = \$233.49/9.7 | π.= \$24.07/6 | t.; Audiliary fr | aming, suppor | t rods, junctio | n details, etc. e | stimated at \$14. | 00 ft. |
| 111 | - | | Number Feet | 300 | | 300 | | | - | - | | | | | 4.40 | |
| 112 | - | | Additional Feet if Repeater | 455 | 9777 | 400 | 2700 | | | | | | | | | |
| 113 | - | - | Circuit Capacity | 480 | 3732 | | 3732 | | Note 4 | - | - | | | | | |
| 114 | - | - | Projected Actual Utilization | 87.00% | HUNDRESS HOLDER | 67.00% | | | 190 41 | | | | | | | |
| 115 | - | | Percent Repeater Required | | | 10.00% | | | | | | | | | | |
| 116 | - | - 1 | Repeater Bay | - | | C4 070 000 | \$457 100 | | | | | - | | | | |
| 117 | - | - | Material Price | | | \$4,579.000 | \$455,400 | | | - | and the same | 7.75 | | | | H 100 H |
| 118 | - | _ | Circuit Capacity | | | 80 | TUKO PORTONA PORTONA PORTONA | | | | | - | | | | 7 |
| 119 | \rightarrow | | Projected Actual Utilization | | | 35.00% | NAME OF STREET OF STREET | | | | | | | | | |
| 120 | - | - | Percent Required | | | 10.00% | | | | - | | | | | | |
| 121 122 | \rightarrow | - | | | | | | | | | | | | | | |
| 122 | | 11 4 40 | B1CL-W | | | DIRECTOR | | | | | | | | | | |
| | - 1 | n.1.12 | Repeater Shelf | | | PHYSICAL | 430F 000 | | | | | | | | | |
| 124 | - | | Material Price | | | \$385.000 | \$385,200 | | - | | | | | | | |
| 125 126 127 | - | | Circuit Capacity | | | 8 | A MANAGEMENT STREET | | | | | | | | | |
| 126 | - | | Projected Actual Utilization | | | 85.00% | | | | | | | | | | |
| 127 | \rightarrow | | Percent Required | | | 10.00% | | | | | | | | | | |
| 128 129 | - | | Repeater | | | The second second | ** *** *** | | - | | | | | | | 42.5 |
| 129 | \rightarrow | | Material Price | | | \$1,518.000 | \$1,516,500 | | | | | | | | | |
| 130 | \rightarrow | | Circuit Capacity | | | 1 | photohobobobobobo | | | | | | | | | |
| 131 | - | | Projected Actual Utilization | | | 100.00% | Participate and the second sec | | | | | | | | | |
| | | - 1 | Percent Required | | | 10.00% | | | | | | | | | | |
| 132 | \rightarrow | _ | 7.000.000 | | | | | | | | | | | | | |



| A | В | C | D | E | F | G | 1 | J | K | L | М | N |
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| 4 FL | H.1.13 | Physical Collocation - 2-Wire POT Bay | | | | and the second second | | | | - | | |
| 5 | 114 | POT Bay | | | | | | | | | - | |
| 6 | 1.10 | Material Price | 1000 | NOO. | \$850.000 | \$519.74 | | Note 5 | | | 1 | |
| 7 | 113 | Circuit Capacity | | Dryham. 1 | 1296 | 1400 | | 75. | | - | | |
| 8 | - | Projected Actual Utilization | | 2913498 | 40.00% | ON SHORE SOUTH THE PERSON OF T | | 1 | | | | |
| 9 | - | Projected Actual Utilization Termination Block w/Bridging Clips | | KEREKEK | HORSELECTION OF THE STATE OF TH | Chrom cip aminanko esamun | | | | | | |
| 0 | 275 | Material Price | | | \$7.620 | \$6.41 | | Note 5 | 1 3 0 | | | |
| 1 | - | Circuit Capacity | | X BASES IN | 24 | 25 | | 11010 0 | - | _ | - | |
| 2 | | Projected Actual Utilization | | 0.000.000 | 85.00% | within the street seems to be seen | | | | | | |
| 3 | - | 1 Tojociou / Cidai Canzacon | | 75.080XII | Silena Contractor | MINCHINESE DE LEVAVORE | | | - | - | - | |
| | U 4 44 | Physical Collocation - 4-Wire POT Bay | | | | | | | _ | | - | |
| 5 | r. 1.14 | POT Bay | | | | | | - | - | | - | |
| | - | Material Price | | catatede | \$850,000 | \$519.74 | | Note 5 | - | - | - | |
| | - | Circuit Capacity | | | 648 | 700 | | NOTE 3 | - | - | - | |
| | - | | | country | 40.00% | CALLES THE STATE OF THE STATE O | | The state of the s | - | - | - | |
| | - | Projected Actual Utilization | | - PERSONAL PROPERTY OF THE PERSON NAMED IN COLUMN 1 | 40.00% | THE SALES NEEDS AND A SALES | | - | - | - | - | |
| | - | Termination Block wBridging Clips | | (MENTAL) | \$7.620 | \$6,41 | - | Note 5 | - | - | - | |
| | 10 | Material Price | EFA ATE | - HEREN | | 12.5 | | Note 5 | | - | - | |
| | 1 6 | Circuit Capacity | 1797 | - SEX SE | 12 85.00% | 12.5 | | | | - | - | |
| 2 | 0.5 | Projected Actual Utilization | | | 85.00% | | | | - | - | - | |
| 3 | | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | Children of | | | | - | | - | The state of the s |
| FL | H.1.15 | Physical Collocation - DS1 POT Bay | | | | | | Note 6 | - | | - | The second secon |
| 3 | 311 | POT Bay | | VI WILLIAM | ****** | | | | - | | - | |
| 3 | 11 | Material Price | | | \$1,000.000 | \$1,200.18 | 11 and 12 | | _ | | | |
| 7 | 21 | Circuit Capacity | | Arribantus de | 1008 | A SANDON AND STREET AND STREET | | | | | | |
| В | 3. | Projected Actual Utilization | | 1,000 | 26.40% | | | | | | | to a supplied to the supplied |
| 9 | 27 | POT Bay Shelf | | | | | | | | | | The state of the s |
| | 2 | Material Price | | 151738 | \$265.340 | | 13 | | | | | |
| 10 | | Circuit Capacity | | | 84 | | | | | | | |
| 2 | | Projected Actual Utilization | | 131 X 1810 131 X 1810 131 X 1810 | 80.00% | | | | | | 100 | |
| 3 | 11- | POT Bay Module | | | | | | | | 1 | | |
| 1 | | Material Price | | | \$35.190 | | 14 | | | | | |
| 5 | | Circuit Capacity | | | 4 | | | | | | | |
| 3 | | Projected Actual Utilization | | Quilling . | 98.70% | | | | | | - 4 | |
| 7 | 24 | | | IXEX.X. | ASSESSMENT OF THE PARTY OF | The same of the sa | | | | | | |
| | H 1 16 | Physical Collocation - DS3 POT Bay | | | 4-1-1 | | | Note 6 | | | | |
| | 121110 | POT Bay | 70 70 | | 10.01 | The same | | | | | | |
| | | Material Price | | HOHENO | \$1,000.000 | \$1,200.18 | 11 and 12 | | | | | |
| | | Circuit Capacity | | X::0:0:1 | 384 | | | | | | | |
| 2 | - | Projected Actual Utilization | | SZNER | 5.94% | | | | | | | |
| 3 | - | POT Bay Shelf | | Total N. S | Manufacture of the same | PROPERTY AND PROPERTY OF THE P | | - | | | 7.7 | 7 1987 |
| 1 | - | Material Price | | - SE(X)XS | \$81,400 | \$198.55 | 15 | | | - | | |
| 5 | - | Circuit Capacity | | - Chicharden | 32 | \$130,33 | - 10 | - | | | | |
| | - | Projected Actual Utilization | | 15000 | 18.00% | MARONGERS | | | - | - | | |
| 7 | - | POT Bay Module | | PRIFFE | 10.00% | CHANGE CONTROL OF CONTROL | | - | - | - | 1 | |
| | - | | | phylory | \$90.000 | \$67.75 | 16 | | - | - | | |
| В | | Material Price | | 27 MEX 13 | \$90.000 | \$01.15 | 10 | | - | - | - | |
| 9 | - | Circuit Capacity | | NI 1035.10 | 400 000 | THE INDIVIDUE OF THE PROPERTY OF THE PARTY O | | - | - | - | - | |
| 0 | | Projected Actual Utilization | | HINNEY. | 100.00% | ADDRESSED . | | | - | - | - | |
| 1 | | | FALL CALL | | | | | | | | - | |
| 2 | | | (25 July 1 | | | | | | | | | |



| A B C D E F G I J K L M N N | O P | Q |
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| 184 | | |
| 185 | | |
| 185 | | |
| 186 2 wire Circuits = 972 x 100 = 97,200 187 4 wire circuits = 972 x 1002 = 48600 188 Note 2: Assume 22Ga 616C 28 pair Cable OD = 0.64* 190 2 6** Cable rack with max. 10** pileup 191 Capacity = 30f,64 x 10f,64 = 47 x 15 = 752 cables 192 DS1 Circuits = 752 x 14 = 10,528 193 Note 3: DS3 cable pricing. BST standards: use 735A up to 250**, Beyond 250** use 734D. Assume an even distribution of cable lengths from 100** to 455**. 10% beyond 250** use 734D. Assume an even distribution of cable lengths from 100** to 455**. 10% beyond 250** use 734D. Assume an even distribution of cable lengths from 100** to 455**. 10% beyond 250** use 734D. Assume an even distribution of cable lengths from 100** to 455**. 10% beyond 250** use 734D. Assume an even distribution of cable lengths from 100** to 455**. 10% beyond 250** use 734D. Assume an even distribution of cable lengths from 100** to 455**. 10% beyond 250** use 734D. Assume an even distribution of cable lengths from 100** to 455**. 10% beyond 250** use 734D. Assume an even distribution of cable lengths from 100** to 455**. 10% beyond 250** use 734D. Assume an even distribution of cable lengths from 100** to 455**. 10% beyond 250** use 734D. Assume an even distribution of cable lengths from 100** to 455**. 10% beyond 250** use 734D. Assume an even distribution of cable 100** use 735**. 100** use 735** use 735* | | |
| 188 | | |
| 185 | | |
| 190 | | |
| 190 | | -1.5 |
| 192 DS1 Circuits = 752 x 14 = 10,528 193 Note 3: DS3 cable pricing. BST standards: use 735A up to 250'. Beyond 250' use 734D. Assume an even distribution of cable lengths from 100' to 455'. 10% beyond | | 7 1 2 |
| 193 Note 3: DS3 cable pricing. BST standards: use 735A up to 259'. Beyond 259' use 734D. Assume an even distribution of cable lengths: from 100' to 455'. 10% beyond | | 7 7 7 |
| Note 3: DS3 cable pricing. BST standards: use 7354 up to 250'. Beyond 250' use 734D. Assume an even distribution of cable lengths from 100' to 455'. 10% beyond | | |
| use 735A up to 250'. Beyond 250' use 734D. Assume an even distribution of cable lengths: from 100' to 455'. 10% beyond | | |
| 734D. Assume an even distribution of cable lengths from 100' to 455'. 10% beyond | | 1 1111 |
| lengths from 100' to 455'. 10% beyond | 1 | 14 6 5 |
| | 1 (| The Control of the Co |
| | 1 1 | 1175 |
| 455' require repeaters, 90% less than | | 36.7 (7) |
| 194 455. | | The part of the |
| Cables between 100 and 250 = 150/355 | | |
| =42.3%. Cables between 250 and 455' = | | |
| 195 205/355 = 57.7% | | 1.1.1.1.1.1.1 |
| 19G 735A cable utilization = .423 x 90% = 38% | | |
| 197 734D cable utilization = 100% - 38% = 62% | | Contract of |
| 198 734D = \$.550/ft 735A = \$.388/ft | | |
| 199 \$/fi=(.550)x(.62)+(.388)(.38)= \$.488/fi | | 1.00 |
| 200 | | |
| 201 Note 4: from note 3, 38% of DS3 cable is 735A, 62% is 734D | | |
| 202 735A OD = .122" , 734D OD = 0,236" | | |
| 203 735A cross section = .122 x .122 = .0149 sq. in. | | |
| 204 734D cross section = ,236 x ,236 = ,0557 sq. in. | | |
| 205 Cabl rack cross section = 30" x 10" = 300 sq in | | |
| 206 Let X = total cables; 300 = (.62)(X)(.0557) + (.38)(X)(.0149) | | |
| 207 .034534X + .005662X = 300 | | |
| 208 .040196X = 300 | | |
| 209 X = 7463 | | |
| 210 Capadly = 7463/2 = 3732 | | Contract of the Contract of th |
| 211 735A cables = .38 (7463) = 2836 | | |
| 212 734D cables = .62(7463) = 4627 | | |
| 213 | | |
| 214 Note 5: DSO POT Consists of following: | | |
| 215 Qty - 1 universal 7 rack @\$239,46 | | |
| 216 Qty - 14 angle mtg bars @\$20.02 ea. = \$280.28 | | |
| 217 Total POT Bay = \$519.74 | 4. | A COLUMN TO THE REAL PROPERTY OF THE PERTY O |
| [278] | | A |
| 218 Conn. Bit Mail per 25 2-wire ckts. | 100 | |
| 220 Qty - 1 898 mlg bkts @\$.85 ea. | | |
| 221 Qty: 1 68M1 Corn bit @ \$5.54 ea. | | |
| 222 Qty 50 C bridging clips @\$.02 ea = \$1.00 | | |
| 221 Qfy: 1 66M1 Corn blk @\$5.54 ea. 222 Qfy 50 C bridging dipe @\$.02 ea = \$1.00 223 Total DSO Corn Blk cost = \$6.41 224 Note 5 prices quoted from Alitel Supply 11/5/98 225 Note 6: DS1 and DS3 POT Bay consists of: 227 Qfy: 1ED-8C501-50 G1 7ft, Netwik Bay Frame @\$457.80 | | |
| 224 Note 5 prices quoted from Altel Supply 11/5/98 | | |
| [225] | | |
| 226 Note 6: DS1 and DS3 POT Bay consists of: | | |
| 227 Qty: 1ED-8c501-50 G1 7ft. Netwik Bay Frame @ \$457.80 | | |
| 228 QN; 1 ED-8C157-31 G6 Interconnect Hardware @ \$742.38 229 Total Bay cost = \$1,200.18 | | |
| 229 Total Bay cost = \$1,200.18 | | |
| 230 Note 7: 5' cable rack - length 9' 8.5' | | |
| 231 Note 7: 5' cable rack - length 9' 8.5' | | |
| 232 Qty of 1 ED4C885-72 G1 @ 5107.20 ea. | | |
| 233 Oty of 1 ED4C885-72 G10 @\$86.40 ea. | | |
| 234 Total = \$19.99/h.+ | | |
| 239 | | |



| Month 1 | Active Cards 70,000 | | |
|------------|------------------------|---------|------------------------------|
| 2 | 70,953 | 1,304 | new card activation |
| 3 | 71,906 | 351 | card deactivation |
| 4 | 72,859 | 953 | net gain per month |
| 5 | 73,812 | | |
| 6 | 74,765 | | |
| 7 | 75,718 | | |
| 8 | 76,671 | | |
| 9 | 77,624 | | |
| 10 | 78,577 | | |
| 11 | 79,530 | | |
| 12 | 80,483 | | |
| 13 | 81,436 | | |
| 14 | 82,389 | | |
| 15 | 83,342 | | |
| 16 | 84,295 | | |
| 17 | 85,248 | | |
| 18 | 86,201 | 86,678 | Midpoint Active Cards |
| 19 | 87,154 | 128,000 | Apogee System Capacity |
| 20 | 88,107 | | |
| 21 | 89,060 | 86,678 | 3 + 128,000 = 67.72% |
| 22 | 90,013 | | |
| 23 | 90,966 | 67.72% | Projected Actual Utilization |
| 24 | 91,919 | | |
| 25 | 92,872 | | |
| 26 | 93,825 | | |
| 27 | 94,778 | | |
| 28 | 95,731 | | |
| 29 | 96,684 | | |
| 30 | 97,637 | | |
| 31 | 98,590 | | |
| 32 | 99,543 | | |
| 33 | 100,496 | | |
| 34 | 101,449 | | |
| 35 | 102,402 | | |
| 36 | 103,355 | | |

STF 3-22 Please describe how the fill factors provided in response to STF 1-13 were calculated, and the information sources used to derive those factors.

Cable Support Structure cable rack - 50% - waiting on Bill McAllister

Cross Connects

The following equipment is part of the "normal" network equipment for the central office and is not specific to collocation or to a collocator; these pieces of equipment carry the general central office fill factor provided by Network Planning:

| 2-Wire Cross Connect | TDF | | (now 85%) |
|----------------------|------------------|-------|--------------|
| 11 g. 11 gg 7 7 7 1 | Connecting Block | 72.5% | (now 85%) |
| | Cable Rack | 67% | (see note 1) |
| 4-Wire Cross Connect | TDF | 72.5% | (now 85%) |
| | Connecting Block | 72.5% | (now 85%) |
| | Cable Rack | 67% | (see note 1) |
| DS1 Cross Connect | DSX-1 Panel | 70% | (now 85%) |
| | Cable Rack | 67% | (see note 1) |
| DS3 Cross Connect | DSX-3 Panel | 67% | (now 85%) |
| | Cable Rack | 67% | (see note 1) |

The following equipment is specific to a collocator and the utilizations are developed by determining the equipment required by the "typical" arrangement built and the "typical" 3-year average of circuits expected to be turned up.

| 2-Wire Cross Connect | Cable | 85% |
|----------------------|--------------------------------------------|----------------------------|
| 4-Wire Cross Connect | Cable | 85% |
| DS1 Cross Connect | Cable Repeater Repeater Bay Repeater Shelf | 90% 100% 30% 80% |
| DS3 Cross Connect | Cable Repeater Repeater Bay Repeater Shelf | 100% 100% 35% 85% |
| 2-Wire POT Bay | POT Bay | 40% |

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| | Termination Block | 85% | |
|----------------|--------------------------------------|---------------------|--------------|
| 4-Wire POT Bay | POT Bay | 40% 85% | |
| DS1 POT Bay | Connecting Block Shelf POT Bay | 98.7% 80% 33% | (see note 2) |
| DS3 POT Bay | | 100% 18% 33% | (see note 2) |

Note 1: The utilization of cables in the cable rack is 67%. To get the utilization on a per circuit basis, this 67% is multiplied by the utilization of circuits in the cable itself. This yields the following utilizations that are now in the study:

2-Wire Cross Connect - 85% * 67% = 56.95% 4-Wire Cross Connect - 85% * 67% = 56.95 % DS1 Cross Connect - 90% * 67% = 60.3% DS3 Cross Connect - 100% * 67% = 100% \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\

Note 2: The DS1 and DS3 circuits terminate on the same POT Bay. There are 12 shelves in the POT Bay. The average customer configuration assumes that there will be 3 shelves used for DS1 circuits and 1 for DS3 circuits. This total of 4 shelves used yields the 33% utilization listed in STF 1-13. To get this utilization on a per circuit basis, the 33% utilization is multiplied by the circuit utilization of the shelf. This yields the following utilizations that are now in the study:

DS1 POT Bay - 80% * 33% = 26.4% DS3 POT Bay - 18% * 33% = 5.94%

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| | Α | В | C | D E | | F | G | н | | 1 | J | K |
|----------|-----|-------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------------------|----------|-----------------|------------|--------|------|-------------|
| 1 | Yr | ST | GLC | Location | | Est.\$ | | Proposed | Wei | ghted | | |
| 2 | | | | 6 | F | per Sq.Ft. | | Weighting | Colloca.\$ | | | |
| | | | - | ALABAMA | | | + | | per | 34.71. | | |
| 5 | 00 | AL | 11724 | Hanceville - CO Addition | 3 | \$ 4.00 | - | 5.000 | | | | |
| 6 | 00 | AL | | Huntsville University CO Addition | | \$ 4.00 \$ 12.00 | 1 | 5.00% 11.00% | \$ | 0.20 | | |
| 7 | 00 | AL | 11013 | Pansh CO - Addition | + | \$ 4.00 | - | 5.00% | | 0.20 | | |
| 8 | - | AL | | Carbon Hill | + | \$ 5.00 | F | 5.00% | 1000 | 0.25 | | |
| 9 | - | AL | 2 6 | West Blocton - Addition | _ L | \$ 6.00 | + | 5.00% | | 0.30 | | |
| 10 | | ĀL | | Riverchase CO - Finish 2nd Story | | \$ 15.00 | H | 16.00% | | 2.40 | - | |
| 11 | - | AL | | Sylacauga Main - Growth | | \$ 7.00 | +- | 5.00% | 4.200 | 0.35 | - 10 | |
| 12 | - | AL | | Huntsville Main - Rear Addition | 1. | \$ 15.00 | + | 11.00% | - | 1.65 | | |
| 13 | - | AL | | Alabaster CO - 2nd Floor Addition | 1 | \$ 10.00 | +- | 10.00% | | 1.00 | - | *** |
| 14 | - 1 | AL | - | Rogersville Main - Front Addition | | \$ 4.00 | H | 5.00% | | 0.20 | | |
| 15 | | AL | | Lafayette Main - Addition | | \$ 5.00 | H | 5.00% | S | 0.25 | | v |
| 16 | | AL | - : | Oak Mountain CO - Rear Addition | 1. | \$ 10.00 | | 12.00% | - | 1.20 | - | |
| 17 | - | AL | | Belle Fountaine CO - Addition | 1 | \$ 7.00 | + | 5.00% | | 0.35 | | ** |
| 18 | | 75.00 | | | | | - | 100.00% | | 9.67 | Pi. | |
| \vdash | | - | | FLORIDA | | | - | | | | 22 | |
| 19 | _ | | | | - "- | · 6 2 | | i i | | 3 | M | |
| 20 | _ | FL | 0 .0 | Boca Raton | | \$ 15.00 | L | 12.00% | - | 1.80 | E. | |
| 21 | | FL | | Daytona Beach | - | \$ 8.00 | \perp | 6.00% | | 0.48 | 3 | |
| 22 | _ | FL | | Holley-Navarre | | \$ 2.00 | 1 | 1.00% | | 0.02 | 34 | |
| 23 | | FL | R | Jacksonville | | \$ 10.00 | L | 5.00% | \$ | 0.50 | 5 | |
| 24 | | FL | 8 18 | Lake Mary | | \$ 10.00 | 1 | 4.00% | | 0.40 | 100 | <u> </u> |
| 25 | | FL | | Miami | | \$ 12.00 | ₽ | 14.00% | | 1.68 | - | |
| 26 | | FL | | North Dade | | \$ 12.00 | ╀ | 20.00% | 1000 | 2.40 | 9. | |
| 27 | | FL | | West Palm Beach | | \$ 10.00 | 1 | 18.00% | \$ | 1.80 | | |
| 28 | | - | - 7 | 51 | | | - | | - 2 | 8 | | |
| 29 | | - | - | Planned Additions | - | | ┡ | 100 | 1 | | | |
| 30 | | FL | | Cross-City - Rear Addition | | \$ 2.00 | ┖ | 1.00% | | 0.02 | | |
| 31 | - | FL | | JCVL Oceanway - Rear Addition | | \$ 4.00 | 1 | 1.00% | | 0.04 | - | |
| 32 33 | | FL | <u> </u> | Jacksonville Beachwood - Addition | | \$ 4.00 | \vdash | 2.00% | | 0.08 | | |
| 34 | - | FL | 3 0 1 | PNSC Ferry Pass Growth - Vert. Addn. Orlando Azalea Park - Addition | | \$ 5.00 \$ 10.00 | + | 2.00% | | 0.10 | | · |
| 35 | | FL | - | Orlando Sandlake - Addition | | \$ 10.00 | + | 3.00% | | 0.20 | -1 | |
| 36 | | FL | | Weston CO - Addition | _ | \$ 20.00 | + | 1.00% | | 0.20 | | |
| 37 | - | FL | F T 8 | FTLD Sawgrass - Rear Addition | _ | \$ 20.00 | + | 1.00% | | 0.20 | | |
| 38 | - | FL | 3 3 | Coral Springs - Rear Addition | - | \$ 15.00 | + | 3.00% | | 0.45 | | |
| 39 | | FL | | FTLD Annex - Vertical Addition | \neg | \$ 7.00 | | 1.00% | | 0.07 | | |
| 40 | | FL | | West Dade - Rear Toll Addition | | \$ 10.00 | T | 2.00% | \$ | 0.20 | | |
| 41 | | FL | - | Sandalfoot CO - Addition | | \$ 15.00 | 1 | 1.00% | | 0.15 | | |
| 42 | | | | F 4 0 91 19 | 5 | | | 100.00% | \$ | 11.09 | | |
| 43 | | 1 | | Kentucky | - | | | | 2 | | | |
| 44 | | KY | | LSVC - Westport Rd - Bldg Addition | -+ | \$ 2.10 | + | 13.00% | \$ | 0.27 | | |
| 45 | | KY | - | Pilotview - Bldg Addition | | \$ 0.65 | | 7.60% | | 0.05 | | |
| 46 | | KY | | Warfield - Bldg Addition | | \$ 0.65 | _ | 7.60% | | 0.05 | | |
| 47 | | KY | | Lebenon Jctn - Bidg Addition | | \$ 0.65 | | 7.60% | | 0.05 | | |
| 48 | | KY | | Bardstown CO - Bldg Addition | _ | \$ 1.60 | _ | 16.00% | | 0.26 | T. | |
| 49 | | KY | 1 1 | Taylorsville - Bldg Addition | 20 | \$ 0.65 | T | 7.60% | \$ | 0.05 | J | |
| 50 | | KY | 7 | Georgetown - Frame Bldg Addition | | \$ 1.85 | T | 10.00% | \$ | 0.19 | | |
| 51 | | KY | 7 | McCarr - Bidg Addition | | \$ 0.65 | T | 7.60% | | 0.05 | | |
| 52 | | KY | | Clinton - Bldg Addition | | \$ 0.65 | - | 7.60% | | 0.05 | | |
| 53 | | KY | 0.00 | Perryville Buckner - Bldg Addition | | \$ 0.65 | T | 7.60% | | 0.05 | | |
| 54 | | KY | | Wayland - Bidg Addition | | \$ 0.65 | T | 7.70% | \$ | 0.05 | | |
| 55 | | | | F 8 | | - | T | 99.90% | \$ | 1.11 | V | |
| 56 | | 5 - 1 | | C Transfer of the state of the | | | T | | | | -2 | |

Item Zn

| | | Forward Looking Studies - 2000-2002 CALCULATION OF FORWARD LOOKING LAND AND BUILDING | | | | | | | | | |
|-------------------------------------|-----------------------------|--------------------------------------------------------------------------------------|-------------|-------------|--------------------|-------------|-------------|-------------|-------------|-------------|--------------|
| | DATA SOURCE: ALABAMA FLORID | | FLORIDA | GEORGIA | KENTUCKY LOUISIANA | | ANCCICCION | | | | |
| The second of the second of the | EOY 1998 | | PLONIDO . | GEORGIA | * | LOUISIANA | MISSISSIPPI | CAROLINA | CAROLINA | TENNESSEE | BELLSOUTH |
| 1 ACCOUNT 2121 - BUILDING - 1998 EQ | CSS | 341,260,876 | 728,338,737 | 515,080,201 | 166,430,961 | 246,254,924 | 151,722,827 | 223,057,232 | 120,511,653 | 245,989,769 | 2,738,647,18 |
| AC2121, CP 2- BUILDINGS - CEN OFC | css | 152,536,033 | 416,037,384 | 204,921,110 | 94,046,590 | 188,192,321 | 76,413,986 | 157,437,891 | 82,975,114 | 149,040,786 | 1,521,601,21 |
| CEN OFC % OF TOTAL BUILDINGS | LN 2/LN1 | 44.70% | 57.12% | 39.78% | 56 51% | 76 42% | 50.36% | 70 58% | 68 85% | 60 59% | 55 56 |
| AC2121, CP 8- BUILDINGS ASSOC W | css | 29,348,445 | 64,572,960 | 28,801,928 | 1,300,636 | 524,187 | 27,472,510 | 5,116,442 | 731,611 | 29,563,650 | 187,432,366 |
| S GPC % OF TOTAL BUILDINGS | LN 4/LN1 | 8 60% | 8.87% | 5.59% | 0.78% | 0.21% | 18.11% | 2 29% | 061% | 12 02% | 6 84 |
| ACCOUNT 2111 - LAND - 1998 EOY | 1999-2001 AVG | 21,375 | 80,596 | 50,704 | 21,554 | 31,253 | 10,851 | 34,196 | 14,621 | 21,227 | 286,37 |
| 7. ACCOUNT 2121 - BUILDING | 1999-2001 AVG | 719,659 | 1,312,635 | 1,012,371 | 340,762 | 538,924 | 342,877 | 512,349 | 291,536 | 527,952 | 5,599,064 |
| TOTAL LAND & BLDG | LN6+LN7 | 741,034 | 1,393,231 | 1,063,075 | 362,316 | 570,177 | 353,728 | 548,546 | 306,157 | 549,179 | 5,885,442 |
| ACCT 2124 - GEN PUR COMP | 1999-2001 AVG | 233,577 | 167,918 | 238,391 | 18,885 | 30,682 | 79,397 | 142,537 | 23,531 | 93,776 | 1,028,694 |
| IO. ACCOUNT 2200 - COE | 1999-2001 AVG | 2,268,020 | 6,355,708 | 3,482,893 | 1,311,476 | 2,442,871 | 1,414,184 | 2,677,279 | 1,578,946 | 2,872,223 | 24,403,60 |
| 11 A/C2121, BUILDINGS ASSOC W/COE | LN3°LN7 | 321,672 | 749,795 | 402,765 | 192,557 | 411,855 | 172,687 | 361,626 | 200,729 | 319,877 | 3,133,560 |
| 12 A/C2121, BUILDINGS ASSOC W/GPC | LN5°LN7 | 61,891 | 116,375 | 56,609 | 2,663 | 1,147 | 62,085 | 11,752 | 1,770 | 63,451 | 377,743 |
| CALCULATION OF FORWARD LOOKING | LAB FACTORS: | | | | | | 19.1.24 | | | | |
| 13 CENTRAL OFFICE - LAND | (เพร),(เพารโกษา0 | 0 0042120 | 0 0072440 | 0 0057920 | 0.0092870 | 0 0097770 | 0.0038640 | 0 0090 150 | 0 0063760 | 0 0044780 | 0 0065200 |
| 14 CENTRAL OFFICE - BUILDING | LN 11 / LN 10 | 0 1418290 | 0 1179720 | 0.1156410 | 0.1468250 | 0 1685950 | 0 1221110 | 0.1350720 | 0 1271290 | 0 1113690 | 0 1284060 |
| 15 GEN PUR COMPUTER - LAND | (LN5)*(LN6)/LN9 | 0 0078700 | 0 0425530 | 0 0118930 | 0.0089200 | 0 0021680 | 0 0247470 | 0 0055030 | 0 0037720 | 0 0272050 | 0 0190530 |
| 16 GEN PUR COMPUTER - BUILDING | LN 12/LN 9 | 0 2649700 | 0 6930470 | 0 2374640 | 0 1410130 | 0 0373890 | 0 7819540 | 0 0824500 | 0 0752 160 | 0 6/66200 | 0.3672060 |

Line 6 - Line 8 = % Land 5 Line 7 - Line 8 = % Building