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VIA HAND DELIVERY

November 7, 2001

Ms. Blanca S. Bayó, Director
Division of the Commission Clerk and Administrative Services
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0870

Re: 990649B-TP (UNEs)

CONFIDENTIAL DOCUMENTS ATTACHED

Dear Ms. Bayó:

Enclosed with this letter are the unredacted documents referred to in Sprint's Request for Confidential Classification Pursuant to Section 364.183(1), Florida Statutes, which was filed on this date with the Division of the Commission Clerk and Administrative Services. A listing of the document, or excerpts therefrom, follows:

Volume II of III

- I. Inputs 6 pages
- II. Loop 1 page
- III. High Capacity Loops 6 pages
- V. Switching 5 pages
- VI.A. Transport 8 pages
- VI.B. Multiplexing 2 pages
- VII.B. Misc. UNEs - SS7 1 page

Volume III of III

- I. Loop 39 pages
- II. SS7 7 pages
- IV. Transport 14 pages

Please keep the documents confidential pending receipt and action on the Company's Request for Confidential Classification relating to this document.

Sincerely,

NH 3/6/07 (entire DN)
DECLASSIFIED

Susan S. Masterton

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Enclosure

This confidentiality request was filed by or for a "telco" for DN ~~1418301~~. No ruling is required unless the material is subject to a request per 119.07, FS, or is admitted in the record per Rule 25-22.006(8)(b), FAC. (See DN 06290-01)

appeal

CONFIDENTIAL

DOCUMENT NUMBER-DATE

14183 NOV-7

FPSC-COMMISSION CLERK

A REVIEW OF THE CD FINDS THAT IT CONTAINS SLCM MODEL
COPYRIGHT RESERVED PROGRAM FILES. FOR FURTHER
INFORMATION, CONTACT THE OFFICE OF COMMISSION CLERK. *- ac*

CERTIFICATE OF SERVICE

Docket No. 990649B-TP

I HEREBY CERTIFY that copies (redacted* or non-redacted) of the foregoing has been furnished by U.S. Mail, on this 7th day of November, 2001, to the following:

AT&T Communications of the Southern States, Inc.
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Atlanta, GA 30309

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Intermedia Communications
Ms. Donna C. McNulty
325 John Knox Road, Suite 105
Tallahassee, FL 32303-4131

Covad Communications Company
Ms. Catherine F. Boone, Esq.
10 Glenlake Parkway, Suite 650
Atlanta, GA 30328-3495

Verizon Select Services, Inc.
Ms. Kimberly Caswell
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1 Tampa City Center
Tampa, FL 33602

Florida Cable Telecommunications Assoc., Inc.
Mr. Michael A. Gross
246 E. 6th Avenue, Suite 100
Tallahassee, FL 32303

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Mr. Joseph McGlothlin
117 S. Gadsden St.
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Tallahassee, FL 32301-1596

ALLTEL Communications Services, Inc.
Ms. Betty Willis
One Allied Drive
Little Rock, AR 72203-2177

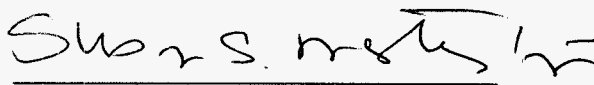
Z-Tel Communications, Inc.
George Ford
601 South Harbor Island Blvd.
Tampa, Florida 33602

*KMC Telecom Inc.
Mr. John D. McLaughlin, Jr.
1755 North Brown Road
Lawrenceville, GA 30043

*Florida Digital Network, Inc.
Mr. Matt Feil
390 North Orange Ave., Suite 2000
Orlando, FL 32801

*BellSouth Telecommunications, Inc.
Ms. Nancy B. White
C/O Nancy H. Sims
150 South Monroe Street, Suite 400

*Floyd Self
215 S. Monroe
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Tallahassee, FL 32301


Susan S. Masterton

1. Inputs

0001

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DOCUMENT NUMBER-DATE

14183 NOV-76

FPSC-COMMISSION CLERK

SWITCHING INPUTS

ALL INPUTS ARE IN BLUE FONT.

ALL MODEL CALCULATED INPUTS ARE IN BROWN

ALL GREEN INPUTS COME FROM ANOTHER TAB WITHIN THIS WORKBOOK

Row	A	B	C	D	E	F	G	H	I	J	K	L	M	N	
	Area-wide inputs														
7		Annual Charge Factor [Switching Switching Software]			0.3357	0.4961									
8		Common Cost Factor			0.1203										
9		Port Investment		\$	68.10										
10		Software													
11		Per Host		\$	623,340	(VENDOR PROPRIETARY)									
12		Per Remote			0	(VENDOR PROPRIETARY)									
13		Sales Tax													
14		Sales Tax Rate			7.00%										
15		Tax Material =1, Material & Labor = 2			1										
16		Percent of Investment which is Switching Related													
17		Host Getting Started Investment			0.5668										
18		Host SS7			0.3333										
19		Local EF&I			0.0487										
20		SS7													
21		SS7 Investment per Octet		\$	0.00000898										
22		Octets per Call Set-up			125.10	(VENDOR PROPRIETARY)									
23		Processor Milliseconds (NORTEL PROPRIETARY)													
24		Line													
25			PULL		2.57										
26			PUAMA		1.47										
27			Total		4.04										
28		Trunk													
29			PULT		3.42	0.29	1.00								
30			PUTL		2.57	0.26	0.66								
31			PUTT		3.17	0.08	0.27								
32			PUFGD-LT		3.42	0.19	0.66								
33			PUFGD-TL		2.57	0.17	0.44								
34			PUAMA		1.47	1.00	1.47								
35			Total		4.50										
36		SS7													
37			PUFGD-LT		3.42	0.53	1.81								
38			PUFGD-TL		2.57	0.47	1.21								
39			Total		3.02										

Host Switching Calculation				
Description	Milliseconds	Lines	Weight	Weighted Average Millisecond
POTS/Suburban/Residence	16.00	1,440,712	0.70	11.20
Urban/Business	25.00	617,448	0.30	7.50
Total		2,058,160	1.00	18.70
Basic Switching				10.60
Feature Differential				8.10
% Processor used for basic switching				0.5668

Key to Processor Milliseconds:	
PULL	Processor Utilization - Line to Line
PUAMA	Processor Utilization - AMA
PULT	Processor Utilization - Line to Trunk
PUTL	Processor Utilization - Trunk to Line
PUTT	Processor Utilization - Trunk to Trunk
PUFGD-LT	Processor Utilization - FGD Line to Trunk
PUFGD-TL	Processor Utilization - FGD Trunk to Line

Port Type	Investment	Average Holding Time
Residential 1	\$ 68.10	Line-side 4.48
Business 1	68.10	Trunk-side 4.49
Key System	68.10	
CENTREX	68.10	
Pay Station	72.63	
PBX (DS-O)	173.48	
PBX (DS-1)	4,163.63	
DID	4,166.83	
BRI-ISDN	400.04	
PRI-ISDN	6,009.34	

Umbilical Transport		
Common Transport Rate	\$ 0.000845	\$ -
Remote:Host MOU Ratio		0%

Office Specific Inputs (Column C = Host; Column D = Remote)

Have all offices been modeled below (Y/N)?

TRANSPORT INPUTS

ALL INPUTS ARE IN BLUE FONT.
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 ALL RING SPECIFIC VARIABLES ARE IN RED FONT.
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Area-Wide Inputs:

Study Type (D S 1 or D S 3): DS1

Row	Termination Equipment	Material	Engineering/ Installation Labor	Sales Tax	EF&I Investment Per Unit	Number of Units Required	DS1 System Capacity
14							
15	Fiber Patch Cord (Per Fiber)	\$ 31.38	\$ 2.34	2.20	\$ 35.92	2	Varies
16	Fiber Patch Panel (Per Fiber)	17.49	15.83	1.22	34.54	2	Varies
17	Fiber Patch Cord (Per Fiber) OC48 ALL	31.38	2.34	2.20	35.92	4	2,688
18	Fiber Patch Panel (Per Fiber) OC48 ALL	17.49	15.83	1.22	34.54	4	2,688
19	Sonet Terminal Shelf (OC3)	19,302.82	5,456.20	1,351.20	26,110.22	1	84
20	DS 3 Card	1,976.03	-	138.32	2,114.35	1	28
21	DS 1 Card	151.83	-	10.63	162.46	1	1
22	Sonet Terminal Shelf (OC12)	21,615.50	5,949.75	1,513.09	29,078.34	1	336
23	OC3 Card	5,715.67	-	400.10	6,115.77	1	84
24	DS 3 Card (OC12)	822.92	-	57.60	880.52	1	28
25	Sonet Terminal Shelf (OC48 Lucent)	87,821.56	8,021.20	6,147.51	101,990.27	1	1,344
26	O C 12 Card	9,716.42	-	680.15	10,396.57	1	336
27	O C 3 Card	7,223.10	-	505.62	7,728.72	1	84
28	3 D S 3 Card (OC48 LUC)	6,516.50	-	456.16	6,972.66	1	84
29	Sonet Terminal Shelf (OC48 Alcatel)	122,535.92	8,973.04	8,577.51	140,086.47	1	2,688
30	O C 12 Card	9,098.42	-	636.89	9,735.31	1	336
31	O C 3 Card	5,715.67	-	400.10	6,115.77	1	84
32	3 D S 3 Card (OC48 ALL)	6,532.20	-	457.25	6,989.45	1	84
33	DSX3 Cross Connect Shelf	193.48	1,140.00	13.54	1,347.02	1	448
34	DSX3 Cross Connect Card	245.62	-	17.19	262.81	1	28
35	DSX1 Cross Connect Jack Field	1,550.67	1,140.00	108.55	2,799.22	1	84
36	Channel Bank Shelf	3,239.26	2,426.96	226.75	5,892.96	1	1
37	Channel Bank Card	144.69	-	10.13	154.82	1	0.0417
38							
39	<u>Mileage Equipment</u>						
40	Aerial Fiber (per fiber)	95.90	0.00	6.71	\$102.61	2	-
41	Underground Fiber (per fiber)	95.90	0.00	6.71	\$102.61	2	-
42	Buried Fiber (per fiber)	100.61	0.00	7.04	\$107.65	2	-
43							
44	Installation & Sheath (OC3, OC12, & OC48 Lucent)						
45	Aerial Fiber (per fiber)	328.40	5,206.25	22.99	5,557.64		
46	Underground Fiber (per fiber)	328.40	10,166.97	22.99	10,518.36		
47	Buried Fiber (per fiber)	550.31	18,930.04	38.52	19,518.87		
48							
49	Installation & Sheath (OC48 Alcatel)						
50	Aerial Fiber (per fiber)	164.20	2,603.13	11.49	2,778.82		
51	Underground Fiber (per fiber)	164.20	5,083.48	11.49	5,259.17		
52	Buried Fiber (per fiber)	275.15	9,465.02	19.26	9,759.43		
53							
54	Fiber Repeater (OC3)	25,208.96	2,401.90	1,764.63	29,375.49		
55	Fiber Repeater (OC12)	28,662.42	2,401.90	2,006.37	33,070.69		
56	Fiber Repeater (OC48LUC)	70,672.02	2,401.90	4,947.04	78,020.96		
57	Fiber Repeater (OC48ALL)	122,183.74	2,401.90	8,552.86	133,138.50		
58							

TRANSPORT INPUTS

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59		
60	Annual Charge Factors:	
61		
62	Investment Category	Factor
63		
64	2232.2 - Circuit Equip. - Digital	30.67%
65	2232.3 - Circuit Equip. - Fiber	30.67%
66	2411.1 - Pole Lines	22.59%
67	2421.2 - Aerial Fiber	22.80%
68	2422.2 - Underground Fiber	22.20%
69	2423.2 - Buried Fiber	22.18%
70	2441.1 - Underground Conduit	20.05%
71		
72		
73	Miscellaneous Factors:	
74	Fiber Pole Factor	0.1863
75	Fiber Conduit Factor	1.6318
76		
77	Common Cost Factor	0.1203
78	Miscellaneous Equipment & Power	0.0614
79		
80	Fiber Mix:	
81	Aerial	1.0%
82	Underground	10.4%
83	Buried	88.5%
84		
85		100.00%
86		
87	Sales Tax Rate	7.00%
88	Tax Material =1, Material & Labor = 2	1
89		
90		
91	Maximum Utilization Level	
92	OC48 Luc	0.74700
93	OC48 All	0.81900
94		
95	D S 1 Monthly MOU	353,982

M13 INPUTS
ALL INPUTS ARE IN BLUE FONT.
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Row	Description	Units	Util.	Material Unit Inv.
10				
11	M 1 3 Multiplexer - Per DS3			
12	M13-28 T1's Protected NEBS Certified	1	1.00	\$ 4,287.60
13	DS3 Cable	1	1.00	\$38.03
14	DS1 Cable	1	1.00	\$243.71
15	Power Cabling	1	1.00	\$127.61
16	Fuse Panel	1	1.00	\$54.68
17	DSX-3, 8500 MOD, RXC, SW, BNC	1	1.00	\$221.40
18	DS-3 80/85 CHS, 20 MOD, 23"x6"	1	0.75	\$12.09
19	28-Circuit DSX-1 Connectorized	1	1.00	\$460.56
20	Spares - M13 Module	0.10	1.00	\$2,195.53
21				
22				
23				
24				
25	Total			
26				
27				
28				
29	Engineering Labor Rate		\$ 52.88	
30	Installation Labor Rate		\$ 44.81	
31	Miscellaneous Equipment and Power		6.14%	
32	Sales Tax Rate		7.00%	
33	Installation Labor Hours		16	
34	Engineering Labor Hours		6	
35	Annual Charge Factor		30.67%	

CHANNEL BANK INPUTS
ALL INPUTS ARE IN BLUE FONT.
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ALL GREEN INPUTS COME FROM ANOTHER TAB WITHIN THIS WORKBOOK

Row	Material Description	Units Required	DS1 Capacity	Util.	Unit Material Cost
13					
14	Adtran MUX 1/0 Common Equipment				
15	Intelligent ACT 2300 "PAM" Channel Bank sys.**	1.00	1.00	1.00	\$2,605.48
16	1/1C	1.00	84.00	0.70	\$1,550.67
17	Switchboard Cable 100pr./100ft	1.00	1.00	1.00	\$65.55
18	Relay Rack	1.00	4.00	0.70	\$240.28
19	Fuse Panel	1.00	4.00	0.70	\$656.14
20	Spares (16.7%)				
21	ACT 2300 LIU	0.167	1.00	1.00	\$257.97
22	ACT 2300 BCU w/PAM	0.167	1.00	1.00	\$858.02
23	ACT 2300 PSU	0.167	1.00	1.00	\$214.23
24					
25					
26					
27					
28					
29					
30	D4 Channel Units				
31	D4 Channel Units	24.00	1.00	1.00	\$144.69
32	D4 OCU DP	24.00	1.00	1.00	\$100.94
33	D4 ISDN U-BRITE	24.00	1.00	1.00	\$111.03
34					
35					
36	**Includes: BCU, (2) PSUs, and LIU				
37					
38					
39					
40					
41	Engineering Labor Rate	\$ 52.88			
42	Installation Labor Rate	\$ 44.81			
43	Miscellaneous Equipment and Power	6.14%			
44	Sales Tax Rate	7.00%			
45	Installation Labor Hours	40			
46	Engineering Labor Hours	12			

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SS7 Inputs

ALL INPUTS ARE IN BLUE FONT.

ALL MODEL CALCULATED INPUTS ARE IN BROWN

ALL GREEN INPUTS COME FROM ANOTHER TAB WITHIN THIS WORKBOOK

A	B	C	D	E
Row	Regional STP Port Investment	Material Cost	Capacity	Percent Fill
8				
9	Link Interface Module	\$ 5,625.00	2	100%
10	Link Interface Module Software	4,125.00	2	100%
11	STP-LAN Interface Feature Module	4,125.00	60	37%
12	Applications Communications Module (ACM)	5,625.00	60	37%
13	Application Service Module (ASM)	5,000.00	32	59%
14	Extension Shelf	9,375.00	26	68%
15	STP Installation Cables (One Per Wired Shelf)	937.50	26	68%
16				
17				
18				
19				
20	Miscellaneous Inputs			
21				
22	Total Access Lines	2,210,797		
23				
24				
25	Total STP Investment	\$ 4,266,621		
26	Less Port Investment (A,B,D Links)	1,820,635		
27	Non-Port STP Investment	\$ 2,445,985		
28				
29				
30	Trunks to Lines Ratio	1/10		
31				
32	Local EF&I Rate	8%		
33				
34	Annual Charge Factor SS7 Network	35.16%		
35	Common Cost Factor	12.03%		

11. Loop

Additional Dark Fiber Monthly Recurring Charges

Ln#	B	C	D	E	F	G	H	I	J	K	L	M	M	O	P	Q
	Material Description	Units Required	Util.	Fiber Capacity	Material Cost	Total Utilized Unit Material Cost Per Fiber	Tax @ C33	Lab. Hrs Per Fiber	Loaded Labor @ C31	Eng. Hrs Per Fiber	Loaded Eng. @ C32	Utilized EF&I Investment	ACF @ C35	Monthly Cost Per Fiber	Common Cost @ C34	Monthly Price
		Input	Input	Input	Input	=(F*C/D/E)	=(G*C33)	Input	=(I*C31)	Input	=(K*C32)	=(G+H+J+L)		=(M*N/12)		
15	Fiber Patch Cord*															
16	Ultra FCPC-to-FCPC 50 Meter	1.00	1.00	1.00	\$ 31.38	\$31.38	\$2.20	0.03	\$1.53	0.02	\$0.81	\$35.92	24.56%	\$ 0.74	12.03%	\$ 0.82 To Dark Fiber Misc. Summary
17	Fiber Patch Panel** 72 Fiber Angled Panel Housing															
18	equipped with 72 FC Sleeves Installed	1.00	0.70	72.00	\$ 881.68	\$17.49	\$1.22	0.22	\$9.96	0.11	\$5.88	\$34.55	24.56%	\$ 0.71	12.03%	\$ 0.79 To Dark Fiber Misc. Summary

* Include a Patch Cord at every Intermediate office the fiber passes through.
** Include (2) Patch Panel Positions at every intermediate office.

30 Variables

31 Labor - Central Office Installation (400)	\$ 44.81
32 Labor - Central Office Engineering (040)	\$ 52.88
33 Sales Tax	7.00%
34 Common Cost	12.03%
35 Fiber Annual Charge Factor	24.56%

111. High Capacity Loops

High Capacity Loops
Worksheet 1
DS3 Cost Calculation - Two Terminations
Florida

Terminal Cost

	A	B	C	D	E	F	G	
		Worksheet 5	B / B4	Worksheet 6	Worksheet 5	D/E	C*F	
	Terminal Size	# of Terminals	% of Total	Terminal Costs	Average % Fill	Terminal Costs per DS3	Weighted Terminal Costs per DS3	
1	OC3	25	56.82%	8,994.33	1.30	6,918.71	3,931.09	
2	OC12	13	29.55%	9,987.26	5.00	1,997.45	590.16	
3	OC48 Uni	6	13.64%	14,327.81	25.80	555.34	75.73	
4	Total	44	100.00%					
							\$ 4,596.97	Annual - Single Termination
							\$ 383.08	Monthly - Single Termination
							\$ 766.16	Monthly - Dual Termination

DS3 Card

	A	B	C	D	E	F	G	
		Worksheet 5	B / B8		Worksheet 6	E/D	C*F	
	Terminal Size	# of Terminals	% of Total	# DS3s per Card	Card Costs	Cost per DS3	Weighted Card Cost per DS3	
5	OC3	25	56.82%	1	1,278.01	1,278.01	726.14	
6	OC12	13	29.55%	4	1,106.18	276.55	81.71	
7	OC48 Uni	6	13.64%	4	986.25	246.56	33.62	
8	Total	44	100.00%		3,370.45			
							\$ 841.47	Annual - Single Termination
							\$ 70.12	Monthly - Single Termination
							\$ 140.25	Monthly - Dual Termination

Fiber

		Average Fiber Costs		
9	Per DS3	1,737.16	Annual	Worksheet 6
10	\$	144.76	Monthly per fiber	B9/12
11		4	Fibers per SONET system	
12	\$	579.05	Total Monthly Fiber Cost	B10*B11

Monthly DS3 \$ 1,485.46

High Capacity Loops
Worksheet 5
Special DS3 Data
Florida

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
SWCLLI	FDICODE	DS3 Quantity	Terminal Size	Total Fiber Allocated DS3 - Per Location (From SLCM)	Distribution Fiber Allocated DS3 - Per Location (From SLCM)	Average Total Fiber	Terminal Size	Count of Col D by Term Type	Avg # DS3s Term Size	Fib Cost per Term, Col H	Total DS3s by Term Type, Col C	L / M	Col J / Tot Col J	N X D	
APPKFLXADS1	1007499	3	OC12	\$ 15,422	\$ 3,853	\$ 19,275	OC3	25	1.3	396,563	32	12,392.59	56.82%	7,041.24	
BVHLFLXADS0	4102121	4	OC12	\$ 16,485	\$ 3,408	\$ 19,893	OC12	13	5.0	129,431	65	1,991.24	29.55%	588.32	
CYLKFLXBRS0	2002199	1	OC3	\$ 9,876	\$ 7,773	\$ 17,650	OC48 Uni	6	25.8	75,722	153	488.53	13.64%	66.62	
FTMYFLXADS0	3002299	5	OC12	\$ 11,932	\$ 1,313	\$ 13,245	Total	44		601,715	252			7,696.18	
FTMYFLXADS0	4003390	2	OC3	\$ 11,932	\$ 1,313	\$ 13,245									
FTMYFLXADS0	4005141	1	OC3	\$ 11,932	\$ 1,313	\$ 13,245									
FTMYFLXCDS2	1007499	29	OC48 Uni	\$ 14,051	\$ 4,571	\$ 18,621									
FTMYFLXCDS2	1007499	29	OC48 Uni	\$ 14,051	\$ 4,571	\$ 18,621									
FTMYFLXCDS2	1007499	30	OC48 Uni	\$ 14,051	\$ 4,571	\$ 18,621									
FTWBFLXADS0	3002299	1	OC3	\$ 10,444	\$ 944	\$ 11,389									
FTWBFLXBDS0	3003499	1	OC3	\$ 14,545	\$ 1,264	\$ 15,809									
GLGCFLXADS0	2001199	2	OC3	\$ 19,904	\$ 3,531	\$ 23,435									
GLRDFLXADS0	1006456	1	OC3	\$ 10,620	\$ 1,763	\$ 12,383									
GLRDFLXADS0	4002337	2	OC3	\$ 10,620	\$ 1,763	\$ 12,383									
KSSMFLXADS0	1013499	1	OC3	\$ 18,135	\$ 4,904	\$ 23,040									
KSSMFLXBDS1	2007118	1	OC3	\$ 16,200	\$ 1,849	\$ 18,049									
LBLFLXADS0	4008137	1	OC3	\$ 21,882	\$ 6,522	\$ 28,404									
LKBRFLXADS1	1008299	3	OC12	\$ 12,832	\$ 4,963	\$ 17,795									
MTLDFLXADS1	1001299	2	OC3	\$ 5,461	\$ 1,709	\$ 7,169									
MTLDFLXADS1	3001498	3	OC12	\$ 5,461	\$ 1,709	\$ 7,169									
MTLDFLXADS1	1003499	2	OC3	\$ 5,461	\$ 1,709	\$ 7,169									
MTLDFLXADS1	3002299	6	OC12	\$ 5,461	\$ 1,709	\$ 7,169									
MTLDFLXADS1	4001199	4	OC12	\$ 5,461	\$ 1,709	\$ 7,169									
MTLDFLXADS1	4003199	1	OC3	\$ 5,461	\$ 1,709	\$ 7,169									
NNPLFLXADS1	4009159	1	OC3	\$ 11,743	\$ 7,460	\$ 19,203									
NPLSFLXDDS0	2010317	1	OC3	\$ 12,058	\$ 769	\$ 12,827									
OCALFLXADS0	4002399	1	OC3	\$ 15,141	\$ 3,558	\$ 18,700									
OCALFLXBDS0	3001299	1	OC3	\$ 22,155	\$ 3,469	\$ 25,624									
TLHSFLXADS0	2001399	6	OC12	\$ 2,979	\$ 1,125	\$ 4,104									
TLHSFLXADS0	2002199	18	OC48 Uni	\$ 2,979	\$ 1,125	\$ 4,104									
TLHSFLXADS0	4001199	23	OC48 Uni	\$ 2,979	\$ 1,125	\$ 4,104									
TLHSFLXADS0	4004338	1	OC3	\$ 2,979	\$ 1,125	\$ 4,104									
TLHSFLXADS0	4005399	10	OC12	\$ 2,979	\$ 1,125	\$ 4,104									
TLHSFLXADS0	4007399	6	OC12	\$ 2,979	\$ 1,125	\$ 4,104									
TLHSFLXADS0	4005320	6	OC12	\$ 2,979	\$ 1,125	\$ 4,104									
TLHSFLXADS0	4005353	8	OC12	\$ 2,979	\$ 1,125	\$ 4,104									
TLHSFLXBDS0	1007265	1	OC3	\$ 11,080	\$ 1,981	\$ 13,061									
TLHSFLXBDS0	1007297	1	OC3	\$ 11,080	\$ 1,981	\$ 13,061									
TLHSFLXCDS0	3003299	2	OC3	\$ 18,481	\$ 2,177	\$ 20,658									
TLHSFLXCDS0	3004499	2	OC3	\$ 18,481	\$ 2,177	\$ 20,658									
TLHSFLXDDS0	2008341	1	OC3	\$ 18,099	\$ 964	\$ 19,063									
TLHSFLXDDS0	3004232	1	OC3	\$ 18,099	\$ 964	\$ 19,063									
TVRSFLXADS0	3007218	3	OC12	\$ 15,549	\$ 1,646	\$ 17,195									
WNPKFLXADS1	1002299	26	OC48 Uni	\$ 10,422	\$ 1,229	\$ 11,650									

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CONFIDENTIAL

0013

High Capacity Loops Florida
Worksheet 7

Alcatel OC-3 Central Office Terminal (7'-0")
DS3 Card

Matcode	Configuration P/N.	Configuration Description	Qty	Unit Price	Unit Extension	Material Price
030464	1603 SMX-COT-01	7 FT frame assembly w/1-RS PDU w frame bus kit (1) 625002-000-008 Fan Panel with Filter (1) 3EM02211AA SLM201 SMX Shelf			\$ 2,495.56	
030469	1603 SMX-COM-01	SMX COM-01 includes:				
	600308-393-001	PWR A01 Power Converter	3	309.56	928.68	
	3AL00124AB	CLK 202 Clock Unit	2	412.75	825.50	
	3AL00380AG	COA 607 Craft, OW & Alm w/ dual exp mem	1	1,135.06	1,135.06	
	3AL00424AA	CCM 101 Software Programmable OC48 Xconn	2	1,986.35	3,972.71	
020733	3AL00378AE	NEP 402 Network Processor w/ LAN	1	1,805.78	1,805.78	
	3AL00308AA	HIFB01 High Speed OC3 IR 1310nm FC/PC	2	1,547.81	3,095.62	
012270	3EM02991AAAA	HD Coax/Baffle/Fiber Panel	1	154.78	154.78	
030479	3AL02830ACAC	ADR48 R1.01 Ring Network Software CD ROM	1	3,095.62	3,095.62	
		Total 1603				\$ 17,509.30
030480	1603 SMX-SPR-01	Spares include the following:				
	600308-393-001	PWR A01 Power Converter	0.25	309.56	77.39	
	3AL00124AB	CLK 202 Clock Unit	0.25	412.75	103.19	
	3AL00380AG	COA 607 Craft, OW & Alm w/ dual exp mem	0.25	1,135.06	283.76	
	3AL00424AA	CCM 101 Software Programmable OC48 Xconn	0.25	1,986.35	496.59	
005803	3AL00114AB	625611-000-002 DS1 Floating Drop Interface DM1102	0.25	474.66	118.67	
005802	625611-000-002	3AL00114AB Virtual Group Interface VTG102(4DS-1's/card)	0.25	386.95	96.74	
421872	3AL00328AA	LIF701 DS3 Interface	0.25	696.51	174.13	
012288	3AL00290AA	LDR 101 Line Driver/Receiver	0.25	224.43	56.11	
	3AL00308AA	HIFB01 High Speed OC3 IR 1310nm FC/PC	0.25	1,547.81	386.95	
		Total Spares				1,793.52
		DS3 Card Requirements (Necessary to install any and all DS3 Cards)				
	3EM02075AA	C1OP 401 DS3/STS1 Input/Output Panel	1	103.19	103.19	
	601303-540-042	Coax Ribbon Cable Assy w/ 8 BNC, 42"	1	165.10	165.10	
		Total DS3 Card Requirements				268.29
9		Fiber Patch Panel (per fiber)	4	\$17.49	69.97	from Worksheet 10
		Fiber Patch Cord (per fiber)	4	31.38	125.53	from Worksheet 10
		Total Cost of Patch Panels and Cords				195.50
		Common Material Costs				19,766.60
		Sales Tax				7.00%
		Total Common Material Costs				\$ 21,150.26
		ENGINEERING HOURS				
		OC3 Terminal			41.30	
		Patch Panels (per fiber)	4.0	0.11	0.44	from Worksheet 10
		Patch Cords (per fiber)	4.0	0.02	0.08	from Worksheet 10
		Total Engineering Hours per Terminal			41.82	
		Cost of Engineering Labor for Terminal	41.82	52.88	2,211.68	
		INSTALLATION HOURS				
		OC3 Terminal			96.70	
		Patch Panels (per fiber)	4.0	0.22	0.89	from Worksheet 10
		Patch Cords (per fiber)	4.0	0.03	0.12	from Worksheet 10
		Total Installation Hours per Terminal			97.71	
		Cost of Installation Labor for Terminal	97.71	44.81	4,378.34	
		Total Cost of OC3 Terminal Engineering and Installation Labor				6,590.01
		Material and Labor				27,740.28
421872	3AL00328AA	DS3/STS1 Interface Card	4	696.51	2,786.05	
012288	3AL00290AA	LIF701 DS3 Interface*	4	224.43	897.73	
		LDR 101 Line Driver/Receiver **	4			
		DS3 Interface Card Costs				3,683.78
		Sales Tax				7.00%
		CARD COST				\$ 3,941.65

* The interface provides 1 DS3. Two cards are needed per DS3: one working and one standby.

** Two line driver / receivers are needed per working DS3.

High Capacity Loops Florida
Worksheet 8

Alcatel OC-12 Central Office Terminal (7'-0")

Matcode	Configuration P/N	Configuration Description	Qty	Unit Price	Unit Extension	Material Price
030464	1603 SMX-COT-01	7 FT frame assembly w/1-RS PDU w frame bus kil (1) 625002-000-008 Fan Panel with Filter (1) 3EM02211AA SLM201 SMX Shell			\$ 2,495.56	
030469	1603 SMX-COM-01	SMX COM-01 includes:				
	600308-393-001	PWR A01 Power Converter	3	309.56	928.68	
	3AL00124AB	CLK 202 Clock Unit	2	412.75	825.50	
	3AL00380AG	COA 607 Craft, OW & Alm w/ dual exp mem	1	1,135.06	1,135.06	
	3AL00424AA	CCM 101 Software Programmable OC48 Xconn	2	1,986.35	3,972.71	
020731	3AL00378AA	NEP 401 Network Processor w/ LAN	1	1,805.78	1,805.78	
020653	3AL00238AC	HIF 603 High Speed OC12 IR 1310nm FC/PC	2	2,502.29	5,004.58	
012270	3EM02991AAAA	HD Coax/Baffle/Fiber Panel	1	154.78	154.78	
030479	3AL02830ACAC	ADR48 R1.01 Ring Network Software CD ROM	1	3,095.62	3,095.62	
	601303-540-042	Coax Ribbon Cable Assy w/ 8 BNC, 42"	1	165.10	165.10	
		Total 1603				\$ 19,583.36
030480	1603 SMX-SPR-01	Spares Include the following:				
	600308-393-001	PWR A01 Power Converter	0.25	309.56	77.39	
	3AL00124AB	CLK 202 Clock Unit	0.25	412.75	103.19	
	3AL00380AG	COA 607 Craft, OW & Alm w/ dual exp mem	0.25	1,135.06	283.76	
	3AL00424AA	CCM 101 Software Programmable OC48 Xconn	0.25	1,986.35	496.59	
005803	3AL00114AB	625611-000-002 DS1 Floating Drop Interface DMI102	0.25	474.66	118.67	
005802	625611-000-002	3AL00114AB Virtual Group Interface VTG102(4DS-1s/card)	0.25	386.95	96.74	
012287	3AL00224AC	LIF502 QUAD DS3/STS1 Interface	0.25	696.51	174.13	
012288	3AL00290AA	LDR 101 Line Driver /Receiver	0.25	224.43	56.11	
012306	3AL48029AF	OC3 SR INTERFACE FC/PC OCMH04	0.25	2,857.84	714.46	
020653	3AL00238AC	HIF 603 High Speed OC12 IR 1310nm FC/PC	0.25	2,502.29	625.57	
		Total Spares				2,746.60
	602407-536-001	DS3 Card Requirements (Necessary to install any and all DS3 Cards) 1603/12 STS-1/DS3 I/O PANEL	1	103.19	103.19	
		Total DS3 Card Requirements				103.19
		Fiber Patch Panel (per fiber)	4	17.49	69.97	from Worksheet 11
		Fiber Patch Cord (per fiber)	4	31.38	125.53	from Worksheet 11
		Total Cost of Patch Panels and Cords				195.50
		Common Material Costs				22,628.65
		Sales Tax				7.00% from Worksheet 11
		Total Common Material Costs				\$ 24,212.65
		ENGINEERING HOURS				
		OC12 Terminal			41.30	
		Patch Panels (per fiber)	4.0	0.11	0.44	from Worksheet 10
		Patch Cords (per fiber)	4.0	0.02	0.08	from Worksheet 10
		Total Engineering Hours per Terminal			41.82	
		Cost of Engineering Labor for Terminal	41.82	52.88	2,211.68	
		INSTALLATION HOURS				
		OC12 Terminal			96.70	
		Patch Panels (per fiber)	4.0	0.22	0.89	from Worksheet 10
		Patch Cords (per fiber)	4.0	0.03	0.12	from Worksheet 10
		Total Installation Hours per Terminal			97.71	
		Cost of Installation Labor for Terminal	97.71	44.81	4,378.34	
		Total Cost of OC12 Terminal Engineering and Installation Labor				6,590.01
		Material and Labor				30,802.66
012287	3AL00224AC	DS3/STS1 Quad Interface Cards LIF502 QUAD DS3/STS1 Interface*	2	696.51	1,393.03	
012288	3AL00290AA	LDR 101 Line Driver /Receiver**	8	224.43	1,795.46	
		Cost for DS3 Quad Interface Cards				3,188.48
		Sales Tax				7.00% from Worksheet 11
		CARD COST				\$ 3,411.68
012306	3AL48029AF	OC3 Card OC3 SR INTERFACE FC/PC OCMH04	2	2,857.84	5,715.67	
		Fiber Patch Panel (per fiber)	2	17.49	34.98	from Worksheet 11
		Fiber Patch Cord (per fiber)	2	31.38	62.76	from Worksheet 11
		Cost for OC3 Interface Card				5,813.42
		Sales Tax				7.00% from Worksheet 11
		CARD COST				\$ 6,220.36

* 1 to 4 DS3s require two line interfaces: one working, one back-up.

** 2 line drivers / receivers per DS3 Quad Card.

High Capacity Loops Florida
Worksheet 9
Alcatel OC-48 Central Office Terminal (7"-0")

Matcode	Configuration P/N	Configuration Description	Qty	Unit Price	Unit Extension	Material Price
030464	1603 SMX-COT-01	7 FT frame assembly w/1-RS PDU w frame bus kit (1) 825002-000-008 Fan Panel with Filter (1) 3EM02211AA SLM201 SMX Shelf			2,225.00	
030469	1603 SMX-COM-01	SMX COM-01 includes:				
	600308-393-001	PWR A01 Power Converter	3	276.00	828.00	
	3AL00124AB	CLK 202 Clock Unit	2	368.00	736.00	
	3AL00380AG	COA 607 Craft, OW & Alm w/ dual exp mem	1	1,012.00	1,012.00	
	3AL00424AA	CCM 101 Software Programmable OC48 Xconn	2	1,771.00	3,542.00	
030471	3AL00378AF	NEP 603 Network Processor w/o LAN	1	1,334.00	1,334.00	
030476	3AL00338AA	HIF F01 High Speed OC48 IR 1310 nm FC/PC	2	4,940.00	8,880.00	
012270	3EM02991AAAA	HD Coax/Baffle/Fiber Panel	1	138.00	138.00	
030479	3AL02830ABAC	ADR48 R1.01 Ring Network Software CD ROM	1	2,760.00	2,760.00	
016155	3EM02079AA	LIF D01 12xDS3/STS1 Low Speed Interface	4	1,380.00	5,520.00	
	3EM02065AA	LDR 501 Dual DS-3/STS1 Line Driver	12	303.60	3,643.20	
	3EM02075AA	CIOP 401 DS3/STS1 Input/Output Panel	1	92.00	92.00	
		Total 1603				\$ 31,710.20
030480	1603 SMX-SPR-01	Spares include the following:				
	600308-393-001	PWR A01 Power Converter	0.25	276.00	69.00	
	3AL00124AB	CLK 202 Clock Unit	0.25	368.00	92.00	
	3AL00380AG	COA 607 Craft, OW & Alm w/ dual exp mem	0.25	1,012.00	253.00	
	3AL00424AA	CCM 101 Software Programmable OC48 Xconn	0.25	1,771.00	442.75	
012287	3AL00224AC	LIF502 QUAD DS3/STS1 Interface	0.25	621.00	155.25	
012286	3AL00290AA	LDR 101 Line Driver /Receiver	0.25	200.10	50.03	
	3AL00256AD	OC3 interface LIF404	0.25	1,150.00	287.50	
	3AL00428AA	OC12 interface LIF801	0.25	2,231.00	557.75	
030476	3AL00338AA	HIF F01 High Speed OC48 IR 1310 nm FC/PC	0.25	4,940.00	1,235.00	
		Total Spares				3,142.28
	3EM02075AA	OS3 Card Requirements (Necessary to install any and all DS3 Cards) CIOP 401 DS3/STS1 Input/Output Panel	1	92.00	92.00	92.00
		Total OS3 Card Requirements				92.00
		Fiber Patch Panel (per fiber)	4	17.49	69.97	from Worksheet 10
		Fiber Patch Cord (per fiber)	4	31.38	125.53	from Worksheet 10
		Total Cost of Patch Panels and Cords				195.50
		Common Material Costs				35,130.97
		Sales Tax				7.00%
		Total Common Material Costs				\$ 37,599.77
		ENGINEERING HOURS				
		OC48 A 2 Fiber Unidirectional Terminal			41.30	
		Patch Panels (per fiber)	4.0	0.11	0.44	
		Patch Cords (per fiber)	4.0	0.02	0.08	
		Total Engineering Hours per Terminal			41.82	
		Cost of Engineering Labor for Terminal	41.82	52.88	2,211.68	
		INSTALLATION HOURS				
		OC48 A 2 Fiber Unidirectional Terminal			96.70	
		Patch Panels (per fiber)	4.0	0.22	0.89	from Worksheet 10
		Patch Cords (per fiber)	4.0	0.03	0.12	from Worksheet 10
		Total Installation Hours per Terminal			97.71	
		Cost of Installation Labor for Terminal	97.71	44.61	4,378.34	
		Total Cost of OC12 Terminal Engineering and Installation Labor				6,590.01
		Material and Labor				44,189.78
012287	3AL00224AC	DS3/STS1 Quad Interface Cards	2	621.00	1,242.00	
012288	3AL00290AA	LIF502 QUAD DS3/STS1 Interface* LDR 101 Line Driver /Receiver**	8	200.10	1,600.80	
		Cost for DS3 Quad Interface Card				2,842.80
		Sales Tax				7.00%
		CARD COST				\$ 3,041.80
	3AL00256AD	OC3 Card OC3 interface LIF404 Fiber Patch Panel (per fiber) Fiber Patch Cord (per fiber)	2 2 2	1,150.00 17.49 31.38	2,300.00 34.98 62.76	from Worksheet 10 from Worksheet 10
		Cost for OC3 Interface Card				2,397.75
		Sales Tax				7.00%
		OC3 CARD COST				\$ 2,565.59
	3AL00428AA	OC12 Card OC12 interface LIF801 Fiber Patch Panel (per fiber) Fiber Patch Cord (per fiber)	2 2 2	2,231.00 17.49 31.38	4,462.00 34.98 62.76	from Worksheet 10 from Worksheet 10
		Cost for OC12 Interface Card				4,559.75
		Sales Tax				7.00%
		OC12 CARD COST				\$ 4,878.93

* 1 to 4 DS3s require two line interfaces: one working, one back-up

** 2 line drivers / receivers per DS3 Quad Card

High Capacity Loops
Worksheet 10
Florida

Seicor Fiber Patch Panel

Item	Configuration P/N.	Configuration Description	Qty	Unit Price	Material Price
968311	ACH-72-11	72 Fiber Angled Panel Housing equipped with: 72 FC Sleeves intalled	1	\$ 881.58	\$881.58
		TOTAL MATERIAL			\$881.58
		70% Utilization			\$1,259.40
		Material per fiber			\$17.49
		ENGINEERING HOURS	8		
		per fiber	0.11		
		INSTALLATION HOURS	16		
		per fiber	0.22		

Seicor Fiber Patch Cord

Mat Code	Configuration P/N.	Configuration Description	Qty	Unit Price	Material Price
964081	545401R3131050M	Ultra FCPC-to-FCPC 50 Meter	1	\$ 31.38	\$ 31.38
		TOTAL MATERIAL			\$ 31.38
		ENGINEERING HOURS	0.02		
		INSTALLATION HOURS	0.03		

Note: Fiber tip cables can be ordered in a variety of lengths.
This jumper represents the median cost of the family of cables.

V. Switching

Processor: PROCESSOR USAGE
(MILLISECONDS PER CALL SET-UP)
(Contains Information Proprietary to Vendor)

A	B	C	D	E	F	G	H	I
Line								
PULL			2.57					
PUAMA			1.47					
Total			4.04					

Trunk			
PULT	29.14%	3.42	1.00
PUTL	25.78%	2.57	0.66
PUTT	8.47%	3.17	0.27
PUFGD-LT	19.42%	3.42	0.66
PUFGD-TL	17.19%	2.57	0.44
PUAMA	100.00%	1.47	1.47
Total			4.50

Key:	
PULL	Processor Utilization - Line to Line
PUAMA	Processor Utilization - AMA
PULT	Processor Utilization - Line to Trunk
PUTL	Processor Utilization - Trunk to Line
PUTT	Processor Utilization - Trunk to Trunk
PUFGD-LT	Processor Utilization - FGD Line to Trunk
PUFGD-TL	Processor Utilization - FGD Trunk to Line

Tandem Trunk			
PUTT	100.00%	3.17	3.17
PUAMA	100.00%	1.47	1.47
			4.64

SS7 - Central Office			
PUFGD-LT	53.05%	3.42	1.81
PUFGD-TL	46.95%	2.57	1.21
			3.02

SS7 - Other

Description	\$/Octet	Octets Per Set-Up	Weighting	Weighted Call Attempts	Weighted MOU	Call Attempts Per MOU
Trunk	\$ 0.00000898	125.10	36.61%	6,687,372	29,427,409	0.0832
Tandem Trunk	0.00000898	125.10	100.00%	-	-	-
				6,687,372	29,427,409	0.2272

Variables: COMMON SWITCHING CALCULATIONS

Office Displayed: ApopkaD100

Investment and Demand Data

Description	Investment		
	Host	Remotes	Grand Total
Getting Started Investment	\$ 1,704,975	\$ 174,188	\$ 1,879,163
Line Termination	597,776	869,408	1,467,184
Reserve CCS Capacity	315,185	13,663	328,848
Line CCS	1,441,945	327,746	1,769,691
Trunk CCS	678,277	-	678,277
Tandem Trunk CCS	-	DNA	-
SS7 Link Pair	12,730	DNA	12,730
Umbilical CCS	DNA	79,454	79,454
Total	4,750,888	1,464,459	6,215,347
Software	623,340	DNA	623,340
Power	398,230	216,110	614,340
Total Investment Before EF&I	5,772,458	1,680,569	7,453,027
EF&I at 4.87%	281,119	81,844	362,962
Gross Investment	6,053,577	1,762,413	7,815,989

Index	Line Count		Power Investment Amount
	Greater Than	Less Than	
		0	1,000

I	1,000	5,000	82,590
W	5,001	25,000	216,110
	25,001	50,000	398,230
	50,000	100,000	447,654

Other Variables

Sales Tax Rate	7.00%
Application	1
1 = Material Only	
2 = Material & EF&I	
Common Cost	12.03%
Tandem Office Indicator (T)	T

Description	Monthly Call Attempts				
	Total	Host		Remotes	
		%	Number	%	Number
Monthly Line Side	24,394,777	78.13%	19,060,109	21.87%	5,334,668
Monthly Trunk Side	18,266,519	78.13%	14,271,983	21.87%	3,994,536
Monthly Tandem Side	-	78.13%	-	21.87%	-

Description	Monthly Minutes				
	Total	Host		Remotes	
		%	Number	%	Number
Monthly Line Side	97,322,775	78.13%	76,040,158	21.87%	21,282,616
Monthly Trunk Side	80,380,796	78.13%	62,803,064	21.87%	17,577,732
Monthly Tandem Side	-	78.13%	-	21.87%	-

Switch Type	Number	Lines	Percent	Software	Line Side	Trunk Side
Host		37,015	78.13%	\$ 487,028	\$ 266,730	\$ 220,298
Remotes	1	10,360	21.87%	136,312	74,654	61,658
Total		47,375	100.00%	623,340		

Expenses: MONTHLY EXPENSES
Office Displayed: ApopkaD100

A	B	C	D	E	F	G	H	I	J	K	L	M
Description	Total Switch Complex	Host						Remotes				
		Getting Started Investment	Line Termination	Line CCS	Trunk CCS	Tandem Trunk CCS	SS7	Getting Started Investment	Line Termination	Line CCS	Umbilical Trunk CCS	
Investment		\$ 1,704,975	\$ 597,776	\$ 1,757,130	\$ 678,277	\$ -	\$ 12,730	\$ 174,188	\$ 869,408	\$ 341,409	\$ 79,454	
% Switching Related		56.68%					33.33%					
Switching Investment		966,456	597,776	1,757,130	678,277	-	4,243	174,188	869,408	341,409	79,454	
Power		142,915	50,107	147,287	56,855	-	1,067	25,705	128,298	50,382	11,725	
Local EF&I	4.87%	54,026	31,552	92,745	35,801	-	259	9,735	48,588	19,080	4,440	
Sales Tax	7.00%	77,656	45,352	133,309	51,459	-	372	13,993	69,839	27,425	6,383	
Net Switching Investment	6,804,696	1,241,054	724,787	2,130,471	822,392	-	5,941	223,620	1,116,134	438,296	102,002	
Switching ACF	33.57%	33.57%	33.57%	33.57%	33.57%	33.57%	33.57%	33.57%	33.57%	33.57%	33.57%	
Monthly Expense	\$ 190,384	\$ 34,723	\$ 20,278	\$ 59,607	\$ 23,009	\$ -	\$ 166	\$ 6,257	\$ 31,228	\$ 12,263	\$ 2,854	
Software	623,340			266,730	281,956					74,654		
Switching Software ACF	49.61%			49.61%	49.61%					49.61%		
Monthly Expense	\$ 25,768.69			\$ 11,026.54	\$ 11,655.97					\$ 3,086.18		

Setup: COST PER CALL SET-UP

Office Displayed: ApopkaD100

(Contains Information Proprietary to Vendor)

A	B	C	D	E	F	G	H	I	J	K	L	M	N
Description	Monthly Call Attempts	Adjustment	Net Monthly Call Attempts	Milliseconds Per Call Attempt	Total Milliseconds	% of Total Milliseconds	Share of Processor Cost	Monthly MOU	Adjustment	Net Monthly MOU	Processor Cost Per MOU	Processor Cost Per Call Attempt	
Host													
Line	24,394,777	18,266,519	6,128,259	3.42	20,958,644	20.30%	\$ 8,320	97,322,775	80,380,796	16,941,979	\$ 0.000491	\$ 0.001358	
Trunk	18,266,519	-	18,266,519	4.50	82,264,728	79.70%	32,659	80,380,796	-	80,380,796			
Tandem Trunk	-	-	-	4.64	-	0.00%	-	-	-	-			
Total Trunk	18,266,519		18,266,519				32,659	80,380,796		80,380,796	0.000406	0.001788	
Total					103,223,372	100.00%	40,979						
SS7													
Trunk	18,266,519	-	18,266,519	3.02	55,181,102	100.00%	166	80,380,796	-	80,380,796			
Tandem Trunk	-	-	-	4.64	-	0.00%	-	-	-	-			
Total Trunk	18,266,519		18,266,519		55,181,102	100.00%	166	80,380,796		80,380,796	0.000002	\$ 0.000009	

\$/Octet	Octets Per Set-Up	Call Attempts Per MOU
----------	-------------------	-----------------------

SS7 Cost Per MOU	SS7 Cost Per Call Attempt
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Other SS7												
Total Trunk					\$0.00000898	125.10	0.2272			\$ 0.000255	\$ 0.001123	

Cost Elements	Cost Per MOU	Per Call Attempt
---------------	--------------	------------------

Line Side Set-Up		
Host and Remotes	\$ 0.000491	\$ 0.001358
Trunk Side Set-Up		
Host and Remotes	\$ 0.000406	\$ 0.001788
SS7	\$ 0.000002	\$ 0.000009
Other SS7	\$ 0.000255	\$ 0.001123
Total Host and Remotes Trunk Side Set-Up	\$ 0.000664	\$ 0.002920

Items enclosed in a box are included in COST SUMMARY

MOU: COST PER MOU
Office Displayed: ApopkaD100

A	B	C	D	E
Row	Description	Host	Remotes	Total
8				
9	Line Termination Cost			
10	Monthly Expense	\$ 20,278	\$ 31,228	\$ 51,506
11	Number of Lines	37,015	10,360	47,375
12				
13	Expense Per Line			\$ 1.09
14				
15	Line CCS Cost			
16	Monthly Expense	\$ 59,607	\$ 12,263	\$ 71,870
17	Software Expense	11,027	3,086	14,113
18	MOU	76,040,158	21,282,616	97,322,775
19				
20	Expense Per MOU	\$ 0.000929	\$ 0.000721	\$ 0.000883
21				
22	Trunk CCS Cost			
23	Monthly Expense			
24	Trunk	\$ 23,009		
25	Tandem Trunk	-		
26				
27	Total	\$ 23,009		
28	Software Expense	11,656		
29	MOU			
30	Trunk	80,380,796		
31	Tandem Trunk	-		
32				
33	Total	80,380,796		
34				
35	Expense Per MOU	\$ 0.000431		
36				
37	Umbilical Trunk CCS			
38	Monthly Expense	\$ 2,854	\$ 2,854	
39	MOU	76,040,158	21,282,616	97,322,775
40				
41	Expense Per MOU			\$ 0.000029
42				
43				
44				
45				
46				
47				
48				
49				
50				
51				
52				
53	Items enclosed in a box are included in COST SUMMARY			

VI- A. Transport

0023

Material ACF: TRANSPORT COST MODEL MATERIAL COST INPUTS

Study Name:
Input file:
Study Type (D S 1, D S 3, O C 3, O C 12):

WNPk-CSLB 1
Inpfit00.xls
DS1

Study Date: 10/19/01
Study Time: 2:57 PM
Model Version: 1.0

Termination Equipment:	Material	Engineering/ Installation Labor	Sales Tax	EF&I Investment Per Unit	Utilization Factor	# Of Nodes On Ring
Fiber Tip Cable (Per Fiber)	\$ 31.38	\$ 2.34	\$ 2.20	\$ 35.92	1.00	
Fiber Patch Panel (Per Fiber)	17.49	15.83	1.22	34.54	1.00	
Sonet Terminal Shelf (OC3)	19,302.82	5,456.20	1,351.20	26,110.22	0.85	
D S 3 Card	1,976.03	0.00	138.32	2,114.35	0.90	
D S 1 Card	151.83	0.00	10.63	162.46	0.90	
Sonet Terminal Shelf (OC12)	21,615.50	5,949.75	1,513.09	29,078.34	0.63	
O C 3 Card	5,715.67	0.00	400.10	6,115.77	0.85	
D S 3 Card (OC12)	822.92	0.00	57.60	880.52	0.75	
Sonet Terminal Shelf (OC48 LUC)	87,821.56	8,021.20	6,147.51	101,990.27	0.63	5
O C 12 Card	9,716.42	0.00	680.15	10,396.57	1.00	
O C 3 Card	7,223.10	0.00	505.62	7,728.72	0.85	
3 D S 3 Card (OC48 LUC)	6,516.50	0.00	456.16	6,972.66	0.90	
Sonet Terminal Shelf (OC48 ALL)	122,535.92	8,973.04	8,577.51	140,086.47	0.63	5
O C 12 Card	9,098.42	0.00	636.89	9,735.31	1.00	
O C 3 Card	5,715.67	0.00	400.10	6,115.77	0.85	
3 D S 3 Card (OC48 ALL)	6,532.20	0.00	457.25	6,989.45	0.90	
DSX3 Cross Connect Shelf	193.48	1,140.00	13.54	1,347.02	0.88	
DSX3 Cross Connect Card	245.62	0.00	17.19	262.81	1.00	
DSX1 Cross Connect Jack Field	1,550.67	1,140.00	108.55	2,799.22	0.90	
Channel Bank Shelf	3,239.26	2,426.96	226.75	5,892.96	0.92	
Channel Bank Card	144.69	0.00	10.13	154.82	1.00	
O C 3 Card (For OC3 Service - Utilization Only)	N/A	N/A	N/A	N/A	1.00	
Mileage Equipment						
Aerial Fiber (per fiber)	95.90	0.00	6.71	102.61	0.75	
Underground Fiber (per fiber)	95.90	0.00	6.71	102.61	0.75	
Buried Fiber (per fiber)	100.61	0.00	7.04	107.65	0.75	
Installation & Sheath						
Aerial Fiber (per fiber)	328.40	5,206.25	22.99	5,557.64	0.32	
Underground Fiber (per fiber)	328.40	10,166.97	22.99	10,518.36	0.32	
Buried Fiber (per fiber)	550.31	18,930.04	38.52	19,518.87	0.32	
Installation & Sheath for OC48Allcatel						
Aerial Fiber (per fiber)	164.20	2,603.13	11.49	2,778.82	0.32	
Underground Fiber (per fiber)	164.20	5,083.48	11.49	5,259.17	0.32	
Buried Fiber (per fiber)	275.15	9,465.02	19.26	9,759.43	0.32	
Fiber Repeater (OC3)	25,208.96	2,401.90	1,764.63	29,375.49	0.85	
Fiber Repeater (OC12)	28,662.42	2,401.90	2,006.37	33,070.69	0.63	
Fiber Repeater (OC48LUC)	70,672.02	2,401.90	4,947.04	78,020.96	0.63	
Fiber Repeater (OC48ALL)	122,183.74	2,401.90	8,552.86	133,138.50	0.11	

Material ACF: TRANSPORT COST MODEL MATERIAL COST INPUTS

Study Name:
Input file:
Study Type (D S 1, D S 3, O C 3, O C 12):

WNPk-CSLB 1
Inpfit00.xls
DS1

Study Date: 10/19/01
Study Time: 2:57 PM
Model Version: 1.0

Annual Charge & Common Cost Factors:

2232.2 - Circuit Equip. - Digital	30.670%
2232.3 - Circuit Equip. - Fiber	30.670%
2411.1 - Pole Lines	22.591%
2421.2 - Aerial Fiber	22.799%
2422.2 - Underground Fiber	22.197%
2423.2 - Buried Fiber	22.177%
2441.1 - Underground Conduit	20.053%

Common Cost Factor 12.03%

Miscellaneous Factors:

Fiber Pole Factor	0.1863
Fiber Conduit Factor	1.6318

Miscellaneous Equipment
& Power Factor

0.0614

Fiber Mix:

Aerial	\$13,577.99	1.02%	138.18
Underground	\$23,499.43	10.44%	2,452.35
Buried	\$41,621.41	88.55%	36,854.31
		100.00%	39,444.85

Sales Tax Rate

7.00%

Tax Material =1, Material & Labor = 2

1

WS_A_Term_Eqpt: UNIT (DS1) INVESTMENT AND COST DEVELOPMENT
Termination Equipment

Sprint
Docket # 990649-TP
Transport Cost Model
Page 72 of 228
November 7, 2001

Study Name: WNPk-CSLB 1 Study Date: 10/19/01
Input file: Inpflt00.xls Study Time: 2:57 PM
Study Type (D S 1, D S 3, O C 3, O C 12): DS1 Model Version: 1.0
Work Sheet: A1

Misc. Equip. & Power: 0.0614 (M)

A	B	C	D	E (C*D)	F	G (E/F)	H	I (G/H)	J (I*(1+M))	K	L (J*K)
Equipment	USOA Code	Unit Investment	Units Required	Total Investment	DS1 System Capacity	Investment Per DS1	Utilization Factor	Utilized Investment	Utilized Investment w/ Power*	Annual Charge Factor	Annual Cost Per DS1
Fiber Tip Cable	2421.2	\$36	2	\$72	84	\$0.86	1.00	\$0.86	\$0.86	0.2280	\$0.19
Fiber Patch Panel	2232.3	35	2	69	84	0.82	1.00	\$0.82	\$0.82	0.3067	\$0.25
Sonet Terminal (OC3)	2232.3	26,110	1	26,110	84	155.42	0.85	\$182.84	\$194.07	0.3067	\$59.52
DS3 Card	2232.3	2,114	1	2,114	28	75.51	0.90	\$83.90	\$89.05	0.3067	\$27.31
DS1 Card	2232.3	162	1	162	1	162.46	0.90	\$180.51	\$191.59	0.3067	\$58.76
Fiber Tip Cable	2421.2	36	2	72	336	0.21	1.00	\$0.21	\$0.21	0.2280	\$0.05
Fiber Patch Panel	2232.3	35	2	69	336	0.21	1.00	\$0.21	\$0.21	0.3067	\$0.06
Sonet Terminal (OC12)	2232.3	29,078	1	29,078	336	43.27	0.63	\$68.98	\$73.22	0.3067	\$22.46
OC3 Card	2232.3	6,116	1	6,116	84	72.81	0.85	\$85.65	\$90.91	0.3067	\$27.88
3DS3 Card	2232.3	881	1	881	84	10.48	0.90	\$11.65	\$12.36	0.3067	\$3.79
Fiber Tip Cable	2421.2	36	2	72	1,344	0.14	1.00	\$0.14	\$0.14	0.2280	\$0.03
Fiber Patch Panel	2232.3	35	2	69	1,344	0.14	1.00	\$0.14	\$0.14	0.3067	\$0.04
Sonet Terminal (OC48 LUC)	2232.3	101,990	1	101,990	1,344	20.32	0.63	\$32.39	\$34.38	0.3067	\$10.54
OC12 Card	2231.3	10,397	1	10,397	336	30.94	1.00	\$30.94	\$32.84	0.3067	\$10.07
OC3 Card	2232.3	7,729	1	7,729	84	92.01	0.85	\$108.25	\$114.89	0.3067	\$35.24
3DS3 Card	2232.3	6,973	1	6,973	84	83.01	0.90	\$92.23	\$97.89	0.3067	\$30.02
Fiber Tip Cable	2421.2	36	4	144	2,688	0.13	1.00	\$0.13	\$0.13	0.2280	\$0.03
Fiber Patch Panel	2232.3	35	4	138	2,688	0.13	1.00	\$0.13	\$0.13	0.3067	\$0.04
Sonet Terminal (OC48 ALL)	2232.3	140,086	1	140,086	2,688	12.73	0.63	\$20.29	\$21.53	0.3067	\$6.60
OC12 Card	2231.3	9,735	1	9,735	336	28.97	1.00	\$28.97	\$30.75	0.3067	\$9.43
OC3 Card	2232.3	6,116	1	6,116	84	72.81	0.85	\$85.65	\$90.91	0.3067	\$27.88
3DS3 Card	2232.3	6,989	1	6,989	84	83.21	0.90	\$92.45	\$98.13	0.3067	\$30.10

WS_A_Term_Eqpt: Unit (DS1) INVESTMENT AND COST DEVELOPMENT
Termination Equipment

Sprint
Docket # 990649-TP
Transport Cost Model
Page 73 of 228
November 7, 2001

Study Name: WNPk-CSLB 1
Input file: Inpflt00.xls
Study Type (D S 1, D S 3, O C 3, O C 12): DS1

Study Date: 10/19/01
Study Time: 2:57 PM
Model Version: 1.0
Work Sheet: A2

Misc. Equip. & Power: 0.0614 (M)

(A)	(B)	(C)	(D)	(E) (C*D)	(F)	(G) (E/F)	(H)	(I) (G/H)	(J) (I*(1+M))	(K)	(L) (J*K)
Equipment	USOA Code	Unit Investment	Units Required	Total Investment	DS1 System Capacity	Investment Per DS1	Utilization Factor	Utilized Investment	Utilized Investment w/ Power*	Annual Charge Factor	Annual Cost Per DS1
DSX3 Cross Connect	2232.2	1,347	1	1,347	448	3.01	0.88	3.42	3.63	0.3067	1.11
Card	2232.2	263	1	263	28	9.39	1.00	9.39	9.96	0.3067	3.06
DSX1 Cross Connect Jack Field	2232.2	2,799	1	2,799	84	33.32	0.90	37.03	39.30	0.3067	12.05
Channel Bank	2232.2	5,893	1	5,893	1	5,892.96	0.92	6,405.39	6,798.69	0.3067	2,085.17
Card	2232.2	155	1	155	0.0417	3,715.64	1.00	3,715.64	3,943.78	0.3067	1,209.56

* Misc. Equip. & Power Factor not applied to Fiber Tip Cable and Fiber Patch Panel.

**WS_C_Mileage_Eqpt: UNIT (1 MILE) INVESTMENT AND COST DEVELOPMENT - BY SYSTEM CAPACITY
MILEAGE EQUIPMENT**

Study Name: WNPk-CSLB 1 Study Date: 10/19/01
Input file: Inpfit00.xls Study Time: 2:57 PM
Study Type (D S 1, D S 3, O C 3, O C 12): DS1 Model Version: 1.0
Work Sheet: C1

A	B	C	D	E =C*D	F	G =E/F	H	I	J =(G/1)/84	K	L =(G/K)/336	M	N =(G/H/M)/672	O	P =(G/H/O)/134
Equipment	USOA Code	Unit Investment Per Mile	Units Required	Total Investment	Fiber Utilization Factor	Utilized Investment Per Mile	Maximum Utilization Factor	Terminal Utilization Factor	OC3 System	Terminal Utilization Factor	OC12 System	Terminal Utilization Factor	OC48LUC System	Terminal Utilization Factor	OC48ALL System
FIBER															
Aerial Cable	2421.2	\$103	2	\$205	0.75	\$274									
Underground Cable	2422.2	103	2	205	0.75	274									
Buried Cable	2423.2	108	2	215	0.75	287									
Pole Lines *	2411.1	-	-	38	0.75	51									
Conduit *	2441.1	-	-	335	0.75	447									
Aerial Cable	2421.2	\$103	4	\$410	0.75	\$547									
Underground Cable	2422.2	\$103	4	410	0.75	547									
Buried Cable	2423.2	\$108	4	431	0.75	574									
Pole Lines *	2411.1	-	-	76	0.75	102									
Conduit *	2441.1	-	-	670	0.75	893									
FIBER Installation & Sheath															
Aerial Cable *1	2421.2	\$5,558	2	\$11,115	0.32	\$3,557									
Underground Cable *	2422.2	\$10,518	2	21,037	0.32	6,732									
Buried Cable *1	2423.2	\$19,519	2	39,038	0.32	12,492									
Pole Lines *1 & *2	2411.1	-	-	2,071	0.32	663									
Conduit *1 & *2	2441.1	-	-	34,328	0.32	10,985									
Aerial Cable *1	2421.2	\$2,779	4	\$11,115	0.32	\$3,557									
Underground Cable *	2422.2	\$5,259	4	21,037	0.32	6,732									
Buried Cable *1	2423.2	\$9,759	4	39,038	0.32	12,492									
Pole Lines *1 & *2	2411.1	-	-	2,071	0.32	663									
Conduit *1 & *2	2441.1	-	-	34,328	0.32	10,985									
Total FIBER															
Aerial Cable	2421.2					\$3,831	0.75	0.85	\$53.65	0.63	\$18.17	0.63	\$12.16		
Underground Cable	2422.2					7,005	0.75	0.85	98.11	0.63	33.24	0.63	22.25		
Buried Cable	2423.2					12,779	0.75	0.85	178.98	0.63	60.63	0.63	40.58		
Pole Lines	2411.1					714	0.75	0.85	10.00	0.63	3.39	0.63	2.27		
Conduit	2441.1					11,432	0.75	0.85	160.11	0.63	54.24	0.63	36.30		
Aerial Cable	2421.2					\$4,104	0.82						0.63	\$5.94	
Underground Cable	2422.2					7,279	0.82						0.63	10.54	
Buried Cable	2423.2					13,066	0.82						0.63	18.92	
Pole Lines	2411.1					765	0.82						0.63	1.11	
Conduit	2441.1					11,878	0.82						0.63	17.20	

*1 Fiber Installation and Sheath investment calculation in column G31 : G41 reflects a multiplication for system sharing in the same sheath.
*2 Investment column E = Pole Line or Conduit Factor times cable investment.

**WS_C_Mileage_Eqpt: UNIT (1 MILE) INVESTMENT AND COST DEVELOPMENT - BY SYSTEM CAPACITY
MILEAGE EQUIPMENT**

Study Name:
Input file:
Study Type (D S 1, D S 3, O C 3, O C 12):

WNPk-CSLB 1
Inpft00.xls
DS1

Study Date: 10/19/01
Study Time: 2:57 PM
Model Version: 1.0
Work Sheet: C2

A Equipment	B USOA Code	C Annual Charge Factor	D Fiber Utilized Investment Per Mile	E OC3 Terminal Utilization Factor	F OC3 Annual Cost Per Mile (D/E)*C	G OC12 Terminal Utilization Factor	H OC12 Annual Cost Per Mile (D/G)*C	I Maximum Utilization Factor	J OC48 Terminal Utilization Factor	K OC48 Annual Cost Per Mile (D/I/J)*C	L	Annual Cost Per DS1 Per Mile			
												M OC3 System (F/84)	N OC12 System (H/336)	O OC48LUC System (K/672)	P OC48ALL System (K/1344)
FIBER															
Aerial Cable	2421.2	0.2280	\$3,831	0.85	\$1,027.44	0.63	\$1,392.22	0.75	0.63	\$1,863.75	-	\$12.23	\$4.14	\$2.77	-
Underground Cable	2422.2	0.2220	7,005	0.85	1,829.38	0.63	2,478.88	0.75	0.63	3,318.44	-	21.78	7.38	4.94	-
Buried Cable	2423.2	0.2218	12,779	0.85	3,334.21	0.63	4,517.97	0.75	0.63	6,048.15	-	39.69	13.45	9.00	-
Pole Lines	2411.1	0.2259	714	0.85	189.70	0.63	257.06	0.75	0.63	344.12	-	2.26	0.77	0.51	-
Conduit	2441.1	0.2005	11,432	0.85	2,696.96	0.63	3,654.48	0.75	0.63	4,892.21	-	32.11	10.88	7.28	-
Aerial Cable	2421.2	0.2280	\$4,104					0.82	0.63	\$1,821.34	-	-	-	-	\$1.36
Underground Cable	2422.2	0.2220	7,279					0.82	0.63	3,144.83	-	-	-	-	2.34
Buried Cable	2423.2	0.2218	13,066					0.82	0.63	5,640.37	-	-	-	-	4.20
Pole Lines	2411.1	0.2259	765					0.82	0.63	336.29	-	-	-	-	0.25
Conduit	2441.1	0.2005	11,878					0.82	0.63	4,636.42	-	-	-	-	3.45

WS_C_Mileage_Eqpt: UNIT (1 REPEATER) INVESTMENT AND COST DEVELOPMENT - BY SYSTEM CAPACITY MILEAGE EQUIPMENT

Study Name: WNPk-CSLB 1 Study Date: 10/19/01
Input file: Inpft00.xls Study Time: 2:57 PM
Study Type (D S 1, D S 3, O C 3, O C 12): DS1 Model Version: 1.0
Work Sheet: C3

A	B	C	D	E	F	G	H =E/F/G	I	J	K	L	M	N =H*L
Equipment	USOA Code	Unit Investment	System Capacity (DS1s)	Investment Per DS1	Maximum Utilization Factor	Utilization Factor	Utilized Investment	Repeater Spacing	Per Foot	Per Mile	Investment	Annual Charge Factor	Annual Cost Per Mile per Repeater
FIELD REPEATERS													
Sonet (OC3)	2232.3	\$29,375	84	\$350		0.85	\$411	-	-	-		0.3067	- \$126.18
Sonet (OC12)	2232.3	33,071	336	98		0.63	157	-	-	-		0.3067	- 48.12
Sonet (OC48LUC)	2232.3	78,021	672	116	0.75	0.63	248	-	-	-		0.3067	- 75.99
Sonet (OC48ALL)	2232.3	133,139	1,344	99	0.82	0.11	1,100	-	-	-		0.3067	- 337.24

WS_C_Mileage_Eqpt: UNIT (1 MILE) INVESTMENT AND COST DEVELOPMENT - BY SYSTEM CAPACITY MILEAGE EQUIPMENT

Study Name: WNPk-CSLB 1 Study Date: 10/19/01
Input file: Inpft00.xls Study Time: 2:57 PM
Study Type (D S 1, D S 3, O C 3, O C 12): DS1 Model Version: 1.0
Work Sheet: C4

A	B	C	D	E	F=C*E	G=D*E	H	I	J	K=H*J	L=I*J
1 DS1 on a OC3 System						1 DS1 on a OC12 System					
Equipment	USOA Code	Investment Per Mile	Annual Cost Per Mile	Mix	Weighted Investment Per Mile	Weighted Annual Cost Per Mile	Investment Per Mile	Annual Cost Per Mile	Mix	Weighted Investment Per Mile	Weighted Annual Cost Per Mile
FIBER											
Aerial Cable	2421.2	\$53.65	\$12.23	1.02%	\$0.55	\$0.12	\$18.17	\$4.14	1.02%	\$0.18	\$0.04
Underground Cable	2422.2	98.11	21.78	10.44%	10.24	2.27	33.24	7.38	10.44%	3.47	0.77
Buried Cable	2423.2	178.98	39.69	88.55%	158.48	35.15	60.63	13.45	88.55%	53.69	11.91
Pole Lines	2411.1	10.00	2.26	1.02%	0.10	0.02	3.39	0.77	1.02%	0.03	0.01
Conduit	2441.1	160.11	32.11	10.44%	16.71	3.35	54.24	10.88	10.44%	5.66	1.14
					186.08	40.92				63.03	13.86
1 DS1 on a OC48LUC System						1 DS1 on a OC48ALL System					
Equipment	USOA Code	Investment Per Mile	Annual Cost Per Mile	Mix	Weighted Investment Per Mile	Weighted Annual Cost Per Mile	Investment Per Mile	Annual Cost Per Mile	Mix	Weighted Investment Per Mile	Weighted Annual Cost Per Mile
FIBER											
Aerial Cable	2421.2	\$12.16	\$2.77	1.02%	\$0.12	\$0.03	\$5.94	\$1.36	1.02%	\$0.06	\$0.01
Underground Cable	2422.2	22.25	4.94	10.44%	2.32	0.52	10.54	2.34	10.44%	1.10	0.24
Buried Cable	2423.2	40.58	9.00	88.55%	35.93	7.97	18.92	4.20	88.55%	16.76	3.72
Pole Lines	2411.1	2.27	0.51	1.02%	0.02	0.01	1.11	0.25	1.02%	0.01	0.00
Conduit	2441.1	36.30	7.28	10.44%	3.79	0.76	17.20	3.45	10.44%	1.80	0.36
					42.19	9.28				19.72	4.34

VI- B. Multiplexing

CHANNEL BANK COST DEVELOPMENT

Row	Material Description	Units Required	DS1 Capacity	Util.	Unit Material Cost	Total Utilized Material Cost Per DS1	Tax @	Lab. Hrs	Loaded Labor @	Eng. Hrs	Loaded Eng. @	Misc. Eqpt. & Power @	Utilized EF&I Investment	ACF	Monthly Cost
		Input	Input	Input	Input	=(F*C/D)/E	=G*H8	Input	=I23*J8	Input	=K23*L8	=(G+H+J+L)*M8	=G+H+J+L+M	Model Generated	=(N*O)/12
13															
14	MUX 1/0 Common Equipment														
15	Intelligent ACT 2300 "PAM" Channel Bank sys.**	1.00	1.00	1.00	\$2,805.48	\$2,805.48									
16	DSX-WW1C, 4000 Series, 23"x7" 84-Ckt w/21 DSX-1/1C	1.00	84.00	0.70	\$1,550.67	\$26.37									
17	Switchboard Cable 100pr./100ft	1.00	1.00	1.00	\$65.55	\$65.55									
18	Relay Rack	1.00	4.00	0.70	\$240.28	\$85.81									
19	Fuse Panel	1.00	4.00	0.70	\$856.14	\$234.34									
20	Spares (16.7%)														
21	ACT 2300 LIU	0.187	1.00	1.00	\$257.97	\$43.00									
22	ACT 2300 BCU w/PAM	0.187	1.00	1.00	\$858.02	\$143.00									
23	ACT 2300 PSU	0.187	1.00	1.00	\$214.23	\$35.71									
24															
25															
26															
27	Total					\$ 3,239	\$ 227	40	\$1,792.40	12	\$634.56	\$381.83	\$6,254.79	30.67%	\$159.86
28															
29	Common Cost Factor														12.03%
30															
31															
32	D4 Channel Units														
33	D4 Channel Units	24.00	1.00	1.00	144.69	\$3,472.56									
34						\$3,472.56	\$243.08					\$228.14	\$3,943.78	30.67%	\$ 4.20
35	Common Cost Factor														12.03%
36	Total Economic Cost/Rate D4 Channel Units														\$ 4.71
37															
38															
39	D4 OCU DP														
40	D4 OCU DP	24.00	1.00	1.00	100.94	\$2,422.56									
41						\$2,422.56	\$169.58					\$159.16	\$2,751.30	30.67%	\$ 2.93
42	Common Cost Factor														12.03%
43	Total Economic Cost/Rate D4 OCU DP														\$ 3.28
44															
45															
46	D4 ISDN U-BRITE														
47	D4 ISDN U-BRITE	24.00	1.00	1.00	111.03	\$2,664.72									
48						\$2,664.72	\$186.53					\$175.07	\$3,026.32	30.67%	\$ 3.22
49	Common Cost Factor														12.03%
50	Total Economic Cost/Rate D4 ISDN U-BRITE														\$ 3.61
51															
52	**Includes: BCU, (2) PSUs, and LIU														
53															
54	Engineering Labor Rate					\$ 52.88									
55	Installation Labor Rate					\$ 44.81									
58	Installation Labor Hours							40							
59	Engineering Labor Hours							12							

M13 COST DEVELOPMENT

Sprint
 Docket # 990649-TP
 Multiplexing Cost Model
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 November 7, 2001

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
Row #	Description	Units	Util.	Material Unit Inv.	Utilized Investment	Tax @ 7.00%	Loaded Labor Hours	Labor @ \$44.81	Loaded Eng. Hours	Eng. @ \$52.88	Misc. Eqpt. & Power @ 6.14%	Utilized EF&I Investment	ACF 2232.3	Monthly Cost
10	Input	Input	Input	Input	=(C*E)/D	=(F25*G9)	Input	=(H25*I9)		=(J25*K9)	=(F+G+I+K) * L	=F+G+I+K+L	Model Generated	=M25*N25/12
11	M 1 3 Multiplexer - Per DS3													
12	M13-28 T1's Protected NEBS Certified	1	1.00	\$ 4,287.60	\$4,287.60									
13	DS3 Cable	1	1.00	\$38.03	\$38.03									
14	DS1 Cable	1	1.00	\$243.71	\$243.71									
15	Power Cabling	1	1.00	\$127.61	\$127.61									
16	Fuse Panel	1	1.00	\$54.88	\$54.88									
17	DSX-3, 8500 MOD, RXC, SW, BNC	1	1.00	\$221.40	\$221.40									
18	DS-3 80/85 CHS, 20 MOD, 23"x6"	1	0.75	\$12.09	\$16.12									
19	28-Circuit DSX-1 Connectorized	1	1.00	\$460.56	\$460.56									
20	Spares - M13 Module	0.10	1.00	\$2,195.53	\$219.55									
21														
22														
23														
24														
25	Total				\$5,669.26	\$396.85	16	\$717	6	\$317.28	\$435.96	\$7,536.31	30.67%	\$192.62
26														
27	Common Cost Factor													12.03%
28														
29	Total Economic Cost/Rate													<u>\$ 215.79</u>
30														
31														
32														
33	Engineering Labor Rate	\$	52.88											
34	Installation Labor Rate	\$	44.81											
37	Installation Labor Hours		16											
38	Engineering Labor Hours		6											

VII - B. SS7

0035

STP PORT AND LINK CALCULATIONS
WORKBOOK NAME: [SS7_Monthly_Recurring]

Row	Description	Material Cost	Local EF&I	Sales Tax	Total Investment	Capacity	Total Investment Per Port	Percent Fill	Total Costs
8	Regional STP Port Investment								
9	Link Interface Module	\$ 5,625.00	\$ 450.00	\$ 393.75	\$ 6,468.75	2	\$ 3,234.38	100.00%	\$ 3,234.38
10	Link Interface Module Software	4,125.00	330.00	288.75	4,743.75	2	2,371.88	100.00%	2,371.88
11	STP-LAN Interface Feature Module	4,125.00	330.00	288.75	4,743.75	60	79.06	37.00%	213.68
12	Applications Communications Module (ACM)	5,625.00	450.00	393.75	6,468.75	60	107.81	37.00%	291.39
13	Application Service Module (ASM)	5,000.00	400.00	350.00	5,750.00	32	179.69	59.00%	304.56
14	Extension Shelf	9,375.00	750.00	656.25	10,781.25	26	414.66	68.00%	609.80
15	STP Installation Cables (One Per Wired Shelf)	937.50	75.00	65.63	1,078.13	26	41.47	68.00%	60.98
16									
17	Total Investment Before Labor & Translation								7,086.65
18									
19	Labor- Connection & Translations								1,417.33
20	Total Port Investment								\$ 8,503.98
21									
22	Annual Charge Factor								35.16%
23									
24	Annual Recurring TELRIC Costs								\$ 2,990.21
25	Monthly Recurring TELRIC Costs								\$ 249.18
26									
27	Common Cost Factor								12.03%
28									
29	Monthly Port Rate								\$ 279.17
30									
31									
32									
33									
34									

I. Loop

Florida Copper Cable Costs

	A	B	C	D	E	F	G	H=C+D+E+F+G	I	J=(H-D)/I	K	L=D/K
	Cable Account	Exempt & Other Material	Splicing	Engineering	Placing	Overheads	Total	Total Feet Placed	Labor & Other per Foot	Total Pair Feet	Splicing per Pair Ft.	
1	Total 1998-2000	Aerial Copper	\$ 248,617.10	\$ 346,706.60	\$ 435,377.97	\$ 661,035.00	\$ 797,815.69	\$ 2,489,552.36	669,485	\$ 3.20	61,960,672	\$ 0.0056
2		UG Copper	\$ 227,098.08	\$ 486,596.72	\$ 206,730.53	\$ 832,912.12	\$ 579,373.02	\$ 2,332,710.47	145,117	\$ 12.72	104,321,496	\$ 0.0047
3		Buried Copper	\$ 10,184,080.88	\$ 8,107,867.43	\$ 15,061,217.60	\$ -	\$ 21,294,251.48	\$ 54,647,417.39	18,654,337	\$ 2.49	2,847,719,313	\$ 0.0028

	A	B	C=A*\$C\$1	D	E=B*\$E\$1	F=B+C+D+E	G	H	I=G*\$I\$1	J	K=H*\$K\$1	L=H+I+J+K
	Cable Size	Cable Material (\$/ft)	Sales Tax	Splicing	Eng,Plcg,EM,OH per ft.	Total Cable Cost per ft.*	Aerial					
							Cable Size	Cable Material (\$/ft)	Sales Tax	Splicing	Eng,Plcg,EM,OH per ft.	Total Cable Cost per ft.*
1	26 Gauge		7.00%	\$ 0.0056			24 Gauge		7.00%	\$ 0.0056		
2	4200	\$ 20.61	\$ 1.44	\$ 23.50	\$ 3.20	\$48.76	4200	\$ 20.61	\$ 1.44	\$ 23.50	\$ 3.20	\$48.76
3	3600	\$ 17.68	\$ 1.24	\$ 20.14	\$ 3.20	\$42.26	3600	\$ 17.68	\$ 1.24	\$ 20.14	\$ 3.20	\$42.26
4	3000	\$ 14.75	\$ 1.03	\$ 16.79	\$ 3.20	\$35.77	3000	\$ 14.75	\$ 1.03	\$ 16.79	\$ 3.20	\$35.77
5	2400	\$ 12.71	\$ 0.89	\$ 13.43	\$ 3.20	\$30.23	2400	\$ 12.71	\$ 0.89	\$ 13.43	\$ 3.20	\$30.23
6	2100	\$ 11.02	\$ 0.77	\$ 11.75	\$ 3.20	\$26.75	2100	\$ 11.02	\$ 0.77	\$ 11.75	\$ 3.20	\$26.75
7	1800	\$ 10.07	\$ 0.70	\$ 10.07	\$ 3.20	\$24.05	1800	\$ 10.07	\$ 0.70	\$ 10.07	\$ 3.20	\$24.05
8	1200	\$ 5.79	\$ 0.41	\$ 6.71	\$ 3.20	\$16.11	1200	\$ 5.79	\$ 0.41	\$ 6.71	\$ 3.20	\$16.11
9	900	\$ 4.50	\$ 0.31	\$ 5.04	\$ 3.20	\$13.05	900	\$ 4.50	\$ 0.31	\$ 5.04	\$ 3.20	\$13.05
10	600	\$ 3.22	\$ 0.23	\$ 3.36	\$ 3.20	\$10.00	600	\$ 3.22	\$ 0.23	\$ 3.36	\$ 3.20	\$11.19
11	400	\$ 2.34	\$ 0.16	\$ 2.24	\$ 3.20	\$7.94	400	\$ 2.34	\$ 0.16	\$ 2.24	\$ 3.20	\$8.75
12	300	\$ 1.57	\$ 0.11	\$ 1.68	\$ 3.20	\$6.56	300	\$ 1.57	\$ 0.11	\$ 1.68	\$ 3.20	\$7.36
13	200	\$ 1.08	\$ 0.08	\$ 1.12	\$ 3.20	\$5.48	200	\$ 1.08	\$ 0.08	\$ 1.12	\$ 3.20	\$5.97
14	100	\$ 0.69	\$ 0.05	\$ 0.56	\$ 3.20	\$4.50	100	\$ 0.69	\$ 0.05	\$ 0.56	\$ 3.20	\$4.65
15	50	\$ 0.44	\$ 0.03	\$ 0.28	\$ 3.20	\$3.95	50	\$ 0.44	\$ 0.03	\$ 0.28	\$ 3.20	\$3.99
16	25	\$ 0.23	\$ 0.02	\$ 0.14	\$ 3.20	\$3.58	25	\$ 0.23	\$ 0.02	\$ 0.14	\$ 3.20	\$3.65
17	18	\$ 0.19	\$ 0.01	\$ 0.10	\$ 3.20	\$3.51	18	\$ 0.19	\$ 0.01	\$ 0.10	\$ 3.20	\$3.51
18	12	\$ 0.16	\$ 0.01	\$ 0.07	\$ 3.20	\$3.44	12	\$ 0.16	\$ 0.01	\$ 0.07	\$ 3.20	\$3.47

*Inputs entered into SLCM on Loop Cost Inputs tab.

Florida Copper Cable Costs

	A	B	C	D	E	F	G	H=C+D+E+F+G	I	J=(H-D)/I	K	L=D/K
	Cable Account	Exempt & Other Material	Splicing	Engineering	Placing	Overheads	Total	Total Feet Placed	Labor & Other per Foot	Total Pair Feet	Splicing per Pair Ft.	
1	Total 1998-2000	Aerial Copper	\$ 248,617.10	\$ 346,706.60	\$ 435,377.97	\$ 661,035.00	\$ 797,815.69	\$ 2,489,552.36	669,485	\$ 3.20	61,960,672	\$ 0.0056
2		UG Copper	\$ 227,098.08	\$ 486,596.72	\$ 206,730.53	\$ 832,912.12	\$ 579,373.02	\$ 2,332,710.47	145,117	\$ 12.72	104,321,496	\$ 0.0047
3		Buried Copper	\$ 10,184,080.88	\$ 8,107,867.43	\$ 15,061,217.60	\$ -	\$ 21,294,251.48	\$ 54,647,417.39	18,654,337	\$ 2.49	2,847,719,313	\$ 0.0028

	A	B	C=A*\$C\$1	D	E=B*\$E\$1	F=B+C+D+E	G	H	I=G*\$I\$1	J	K=H*\$K\$1	L=H+I+J+K
	Cable Size	Cable Material (\$/ft)	Sales Tax	Splicing	Eng,Plcg,EM,OH per ft.	Total Cable Cost per ft.*	Underground Cable Size	Cable Material (\$/ft)	Sales Tax	Splicing	Eng,Plcg,EM,OH per ft.	Total Cable Cost per ft.*
1	26 Gauge			\$ 0.0047			24 Gauge			\$ 0.0047		
2	4200	\$ 20.61	\$ 1.44	\$ 19.59	\$ 12.72	\$ 54.37	4200	\$ 20.61	\$ 1.44	\$ 19.59	\$ 12.72	\$ 54.37
3	3600	\$ 17.68	\$ 1.24	\$ 16.79	\$ 12.72	\$ 48.43	3600	\$ 17.68	\$ 1.24	\$ 16.79	\$ 12.72	\$ 48.43
4	3000	\$ 14.75	\$ 1.03	\$ 13.99	\$ 12.72	\$ 42.50	3000	\$ 14.75	\$ 1.03	\$ 13.99	\$ 12.72	\$ 42.50
5	2400	\$ 12.71	\$ 0.89	\$ 11.19	\$ 12.72	\$ 37.51	2400	\$ 12.71	\$ 0.89	\$ 11.19	\$ 12.72	\$ 37.51
6	2100	\$ 11.02	\$ 0.77	\$ 9.80	\$ 12.72	\$ 34.31	2100	\$ 11.02	\$ 0.77	\$ 9.80	\$ 12.72	\$ 34.31
7	1800	\$ 10.07	\$ 0.70	\$ 8.40	\$ 12.72	\$ 31.89	1800	\$ 10.07	\$ 0.70	\$ 8.40	\$ 12.72	\$ 31.89
8	1200	\$ 5.79	\$ 0.41	\$ 5.60	\$ 12.72	\$ 24.52	1200	\$ 5.79	\$ 0.41	\$ 5.60	\$ 12.72	\$ 24.52
9	900	\$ 4.50	\$ 0.31	\$ 4.20	\$ 12.72	\$ 21.73	900	\$ 4.50	\$ 0.31	\$ 4.20	\$ 12.72	\$ 21.73
10	600	\$ 3.22	\$ 0.23	\$ 2.80	\$ 12.72	\$ 18.97	600	\$ 3.22	\$ 0.23	\$ 2.80	\$ 12.72	\$ 18.97
11	400	\$ 2.34	\$ 0.16	\$ 1.87	\$ 12.72	\$ 17.09	400	\$ 2.34	\$ 0.16	\$ 1.87	\$ 12.72	\$ 17.09
12	300	\$ 1.57	\$ 0.11	\$ 1.40	\$ 12.72	\$ 15.80	300	\$ 1.57	\$ 0.11	\$ 1.40	\$ 12.72	\$ 15.80
13	200	\$ 1.08	\$ 0.08	\$ 0.93	\$ 12.72	\$ 14.81	200	\$ 1.08	\$ 0.08	\$ 0.93	\$ 12.72	\$ 14.81
14	100	\$ 0.69	\$ 0.05	\$ 0.47	\$ 12.72	\$ 13.93	100	\$ 0.69	\$ 0.05	\$ 0.47	\$ 12.72	\$ 13.93
15	50	\$ 0.44	\$ 0.03	\$ 0.23	\$ 12.72	\$ 13.42	50	\$ 0.44	\$ 0.03	\$ 0.23	\$ 12.72	\$ 13.42
16	25	\$ 0.23	\$ 0.02	\$ 0.12	\$ 12.72	\$ 13.08	25	\$ 0.23	\$ 0.02	\$ 0.12	\$ 12.72	\$ 13.08
17	18	\$ 0.19	\$ 0.01	\$ 0.08	\$ 12.72	\$ 13.01	18	\$ 0.19	\$ 0.01	\$ 0.08	\$ 12.72	\$ 13.02
18	12	\$ 0.16	\$ 0.01	\$ 0.06	\$ 12.72	\$ 12.95	12	\$ 0.16	\$ 0.01	\$ 0.06	\$ 12.72	\$ 12.98

*Inputs entered into SLCM on Loop Cost Inputs tab.

Florida Copper Cable Costs

	A	B	C	D	E	F	G	H=C+D+E+F+G	I	J=(H-D)/I	K	L=D/K
	Cable Account	Exempt & Other Material	Splicing	Engineering	Placing	Overheads	Total	Total Feet Placed	Labor & Other per Foot	Total Pair Feet	Splicing per Pair Ft.	
1	Total 1998-2000	Aerial Copper	\$ 248,617.10	\$ 346,706.60	\$ 435,377.97	\$ 661,035.00	\$ 797,815.69	\$ 2,489,552.36	669,485	\$ 3.20	61,960,672	\$ 0.0056
2		UG Copper	\$ 227,098.08	\$ 486,596.72	\$ 206,730.53	\$ 832,912.12	\$ 579,373.02	\$ 2,332,710.47	145,117	\$ 12.72	104,321,496	\$ 0.0047
3		Buried Copper	\$ 10,184,080.88	\$ 8,107,867.43	\$ 15,061,217.60	\$ -	\$ 21,294,251.48	\$ 54,647,417.39	18,654,337	\$ 2.49	2,847,719,313	\$ 0.0028

	A	B	C=A*\$C\$1	D	E=B*\$E\$1	F=B+C+D+E	G	H	I=G*\$I\$1	J	K=H*\$K\$1	L=H+I+J+K
	Cable Size	Cable Material (\$/ft)	Sales Tax	Splicing	Eng,Plcg,EM,OH per ft.	Total Cable Cost per ft.*	Buried Cable Size	Cable Material (\$/ft)	Sales Tax	Splicing	Eng,Plcg,EM,OH per ft.	Total Cable Cost per ft.*
1	26 Gauge			\$ 0.0028			24 Gauge			\$ 0.0028		
2	4200	\$ 20.61	\$ 1.44	\$ 11.96	\$ 2.49	\$36.51	4200	\$ 20.61	\$ 1.44	\$ 11.96	\$ 2.49	\$36.51
3	3600	\$ 17.68	\$ 1.24	\$ 10.25	\$ 2.49	\$31.66	3600	\$ 17.68	\$ 1.24	\$ 10.25	\$ 2.49	\$31.66
4	3000	\$ 14.75	\$ 1.03	\$ 8.54	\$ 2.49	\$26.82	3000	\$ 14.75	\$ 1.03	\$ 8.54	\$ 2.49	\$26.82
5	2400	\$ 12.71	\$ 0.89	\$ 6.83	\$ 2.49	\$22.93	2400	\$ 12.71	\$ 0.89	\$ 6.83	\$ 2.49	\$22.93
6	2100	\$ 11.02	\$ 0.77	\$ 5.98	\$ 2.49	\$20.27	2100	\$ 11.02	\$ 0.77	\$ 5.98	\$ 2.49	\$20.27
7	1800	\$ 10.07	\$ 0.70	\$ 5.12	\$ 2.49	\$18.39	1800	\$ 10.07	\$ 0.70	\$ 5.12	\$ 2.49	\$18.39
8	1200	\$ 5.79	\$ 0.41	\$ 3.42	\$ 2.49	\$12.11	1200	\$ 5.79	\$ 0.41	\$ 3.42	\$ 2.49	\$12.11
9	900	\$ 4.50	\$ 0.31	\$ 2.56	\$ 2.49	\$9.87	900	\$ 4.50	\$ 0.31	\$ 2.56	\$ 2.49	\$9.87
10	600	\$ 3.22	\$ 0.23	\$ 1.71	\$ 2.49	\$7.65	600	\$ 3.22	\$ 0.23	\$ 1.71	\$ 2.49	\$7.65
11	400	\$ 2.34	\$ 0.16	\$ 1.14	\$ 2.49	\$6.14	400	\$ 2.34	\$ 0.16	\$ 1.14	\$ 2.49	\$6.14
12	300	\$ 1.57	\$ 0.11	\$ 0.85	\$ 2.49	\$5.03	300	\$ 1.57	\$ 0.11	\$ 0.85	\$ 2.49	\$5.03
13	200	\$ 1.08	\$ 0.08	\$ 0.57	\$ 2.49	\$4.22	200	\$ 1.08	\$ 0.08	\$ 0.57	\$ 2.49	\$4.22
14	100	\$ 0.69	\$ 0.05	\$ 0.28	\$ 2.49	\$3.52	100	\$ 0.69	\$ 0.05	\$ 0.28	\$ 2.49	\$3.52
15	50	\$ 0.44	\$ 0.03	\$ 0.14	\$ 2.49	\$3.11	50	\$ 0.44	\$ 0.03	\$ 0.14	\$ 2.49	\$3.11
16	25	\$ 0.23	\$ 0.02	\$ 0.07	\$ 2.49	\$2.81	25	\$ 0.23	\$ 0.02	\$ 0.07	\$ 2.49	\$2.81
17	18	\$ 0.19	\$ 0.01	\$ 0.05	\$ 2.49	\$2.75	18	\$ 0.19	\$ 0.01	\$ 0.05	\$ 2.49	\$2.75
18	12	\$ 0.16	\$ 0.01	\$ 0.03	\$ 2.49	\$2.70	12	\$ 0.16	\$ 0.01	\$ 0.03	\$ 2.49	\$2.73

*Inputs entered into SLCM on Loop Cost Inputs tab.

Florida Fiber Cable Costs

	A	B	C	D	E	F=A+B+C+D+E	G	H=(F-B)/G	I	J=B/I		
	Cable Account	Exempt & Other Material	Splicing	Engineering	Placing	Overheads	Total	Total Feet Placed	Labor & Other per Foot	Total Pair Feet	Splicing per Pair Ft.	
1	Total	Aerial Fiber	\$ 27,370.15	\$ 40,579.80	\$ 47,602.33	\$ 126,475.89	\$ 116,328.16	\$ 358,356.33	175,147	\$ 1.81	9,262,260	\$ 0.0044
2	1998-2000	UG Fiber	\$ 252,791.77	\$ 199,697.69	\$ 319,205.99	\$ 1,436,785.97	\$ 1,072,282.64	\$ 3,280,764.06	817,127	\$ 3.77	89,288,596	\$ 0.0022
3		Buried Fiber	\$ 2,659,126.78	\$ 1,532,727.12	\$ 4,581,252.07	\$ -	\$ 6,667,954.24	\$ 15,441,060.21	3,916,655	\$ 3.55	263,514,150	\$ 0.0058

	A	B	C=A*\$C\$1	D	E=A*\$E\$1	F=B+C+D+E
	Fiber Size	Cable Material (\$/ft)	Sales Tax	Aerial Splicing	Eng,Plcg,EM,OH per ft.	Total Cable Cost per ft.*
1			7.00%	\$ 0.0044		
2	288	\$5.37	\$ 0.38	\$ 1.26	\$ 1.81	\$ 8.82
3	144	\$2.74	\$ 0.19	\$ 0.63	\$ 1.81	\$ 5.38
4	96	\$1.86	\$ 0.13	\$ 0.42	\$ 1.81	\$ 4.22
5	72	\$1.41	\$ 0.10	\$ 0.32	\$ 1.81	\$ 3.63
6	60	\$1.21	\$ 0.08	\$ 0.26	\$ 1.81	\$ 3.38
7	48	\$0.95	\$ 0.07	\$ 0.21	\$ 1.81	\$ 3.04
8	36	\$0.78	\$ 0.05	\$ 0.16	\$ 1.81	\$ 2.80
9	24	\$0.58	\$ 0.04	\$ 0.11	\$ 1.81	\$ 2.54
10	18	\$0.45	\$ 0.03	\$ 0.08	\$ 1.81	\$ 2.38
11	12	\$0.38	\$ 0.03	\$ 0.05	\$ 1.81	\$ 2.28

	A	B	C=A*\$C\$1	D	E=A*\$E\$1	F=B+C+D+E
	Fiber Size	Cable Material (\$/ft)	Sales Tax	Underground Splicing	Eng,Plcg,EM,OH per ft.	Total Cable Cost per ft.*
1				\$ 0.0022		
2	288	\$5.37	\$ 0.38	\$ 0.64	\$ 3.77	\$ 10.16
3	144	\$2.74	\$ 0.19	\$ 0.32	\$ 3.77	\$ 7.03
4	96	\$1.86	\$ 0.13	\$ 0.21	\$ 3.77	\$ 5.97
5	72	\$1.41	\$ 0.10	\$ 0.16	\$ 3.77	\$ 5.44
6	60	\$1.21	\$ 0.08	\$ 0.13	\$ 3.77	\$ 5.20
7	48	\$0.95	\$ 0.07	\$ 0.11	\$ 3.77	\$ 4.90
8	36	\$0.78	\$ 0.05	\$ 0.08	\$ 3.77	\$ 4.68
9	24	\$0.58	\$ 0.04	\$ 0.05	\$ 3.77	\$ 4.45
10	18	\$0.45	\$ 0.03	\$ 0.04	\$ 3.77	\$ 4.29
11	12	\$0.38	\$ 0.03	\$ 0.03	\$ 3.77	\$ 4.21

	A	B	C=A*\$C\$1	D	E=A*\$E\$1	F=B+C+D+E
	Fiber Size	Cable Material (\$/ft)	Sales Tax	Buried Splicing	Eng,Plcg,EM,OH per ft.	Total Cable Cost per ft.*
1				\$ 0.0058		
2	288	\$5.70	\$ 0.40	\$ 1.68	\$ 3.55	\$ 11.33
3	144	\$2.97	\$ 0.21	\$ 0.84	\$ 3.55	\$ 7.57
4	96	\$2.04	\$ 0.14	\$ 0.56	\$ 3.55	\$ 6.30
5	72	\$1.56	\$ 0.11	\$ 0.42	\$ 3.55	\$ 5.64
6	60	\$1.36	\$ 0.09	\$ 0.35	\$ 3.55	\$ 5.35
7	48	\$1.09	\$ 0.08	\$ 0.28	\$ 3.55	\$ 5.00
8	36	\$0.89	\$ 0.06	\$ 0.21	\$ 3.55	\$ 4.72
9	24	\$0.69	\$ 0.05	\$ 0.14	\$ 3.55	\$ 4.42
10	18	\$0.56	\$ 0.04	\$ 0.10	\$ 3.55	\$ 4.25
11	12	\$0.48	\$ 0.03	\$ 0.07	\$ 3.55	\$ 4.13

*Inputs entered into SLCM on Loop Cost Inputs tab.

Study Title
Study Date
Filing Date

Florida UNE Cost Study
November 7, 2001

Factors

Sales Tax	7.00%	
Power Factor	6.14%	# LIU Cards
UNE-P Concentration Ratio express as x to 1	4	2

Labor Rates

Central Office Installation (Workgroup 400)	\$	44.81
Outside Plant Installation (Workgroup 300)	\$	54.51
Engineering (Workgroup 040)	\$	52.88

Systems Space Allocation Multiplier

	Voice	DS1
Small	100.00%	100.00%
Large	94.69%	5.31%

Labor	Hours	Rate	Total
Engineering labor	40	\$ 52.88	\$ 2,115.20
Installation	72	\$ 44.81	\$ 3,226.32

**Small COT Equipment
Cot Frame**

Item	QTY	Unit Cost	Total	Power Factor	Tax	Total	Part No.
Rack	1	\$ 342.57	\$ 342.57	\$ -	\$ 23.98	\$ 366.55	N/A
Rack Mount Adapter Kit	1	\$ 35.17	\$ 35.17	\$ -	\$ 2.46	\$ 37.63	0210-0007

Grand Total \$ 404.18

Primary Shelf - Universal/Space

Item	QTY	Unit Cost	Total	Power Factor	Tax	Total	Part No.
Channel Bank Assembly	1	\$ 2,870.64	\$ 2,870.64	\$ 176.26	\$ 200.94	\$ 3,247.84	4585-0260-0012
OS Interface Cable	1	\$ 43.96	\$ 43.96	\$ -	\$ 3.08	\$ 47.04	
Internal Protocol Management Int	1	\$ 1,230.97	\$ 1,230.97	\$ 75.58	\$ 86.17	\$ 1,392.72	0101-0030

Grand Total \$ 4,687.61

Primary Shelf - Bandwidth

Item	QTY	Unit Cost	Total	Power Factor	Tax	Total	Part No.
CPU2	2	\$ 857.06	\$ 1,714.11	\$ 105.25	\$ 119.99	\$ 1,939.35	0101-0027
Fiber Optic Transceiver (OC1)	2	\$ 1,191.41	\$ 2,382.82	\$ 146.30	\$ 166.80	\$ 2,695.92	0120-0038

Grand Total \$ 4,635.26

Primary Shelf - Integrated/Space

Item	QTY	Unit Cost	Total	Power Factor	Tax	Total	Part No.
Channel Bank Assembly	1	\$ 2,870.64	\$ 2,870.64	\$ 176.26	\$ 200.94	\$ 3,247.84	4585-0260-0012
Digital Data Link Processor	2	\$ 2,637.80	\$ 5,275.61	\$ 323.92	\$ 369.29	\$ 5,968.82	0101-0008
OS Interface Cable	1	\$ 43.96	\$ 43.96	\$ -	\$ 3.08	\$ 47.04	N/A
Internal Protocol Management Int	1	\$ 1,230.97	\$ 1,230.97	\$ 75.58	\$ 86.17	\$ 1,392.72	0101-0030

Grand Total \$ 10,656.43

Primary Shelf - Integrated/Bandwidth

Incremental Unit Cost	QTY	Unit Cost	Total	Power Factor	Tax	Total	Part No.
T1 Transceiver	1	\$ 413.26	\$ 413.26	\$ 25.37	\$ 28.93	\$ 467.56	0120-0123

Secondary Shelf - Space

Item	QTY	Unit Cost	Total	Power Factor	Tax	Total	Part No.
Channel Shelf	1	\$ 2,980.38	\$ 2,980.38	\$ 183.00	\$ 208.63	\$ 3,372.00	0140-0136

Grand Total \$ 3,372.00

Secondary Shelf - Bandwidth

Item	QTY	Unit Cost	Total	Power Factor	Tax	Total	Part No.
Expansion Bank Control	2	\$ 391.27	\$ 782.55	\$ 48.05	\$ 54.78	\$ 885.38	0101-0029
Expansion Link Unit	2	\$ 391.27	\$ 782.55	\$ 48.05	\$ 54.78	\$ 885.38	0101-0028

Grand Total \$ 1,770.75

Secondary Shelf

Incremental Unit Cost	Unit Cost	Total	Power Factor	Tax	Total	Part No.
POTS Card	1 \$ 360.50	\$ 360.50	\$ 22.13	\$ 25.23	\$ 407.87	0110-0150
Extended Range VG	1 \$ 360.50	\$ 360.50	\$ 22.13	\$ 25.23	\$ 407.87	0110-0150
Coin Card	1 \$ 584.56	\$ 584.56	\$ 35.89	\$ 40.92	\$ 661.37	0110-0118
DS0 Card	1 \$ 615.32	\$ 615.32	\$ 37.78	\$ 43.07	\$ 696.18	0110-0139
HDSL\DS1\PRI Card	1 \$ 747.38	\$ 747.38	\$ 45.89	\$ 52.32	\$ 845.58	0120-0128
ISDN-BRI Card	1 \$ 1,318.90	\$ 1,318.90	\$ 80.98	\$ 92.32	\$ 1,492.21	0110-0098
Digital Bypass Pair Unit	1 \$ 1,626.65	\$ 1,626.65	\$ 99.88	\$ 113.87	\$ 1,840.39	0101-0023
4Wire Card	1 \$ 890.45	\$ 890.45	\$ 54.67	\$ 62.33	\$ 1,007.45	0110-0147

Labor	Hours	Rate	Total
Engineering labor	16	\$ 52.88	\$ 846.08
Installation	32	\$ 54.51	\$ 1,744.32

Small RDT Equipment
48 Remote Cabinet

Item	QTY	Unit Cost	Total	Power Factor	Tax	Total	Part No.
48 Remote Cabinet	1	\$ 6,405.93	\$ 6,405.93	\$ -	\$ 448.41	\$ 6,854.34	0360-0007
12 Position Fiber Splicing Tray	1	\$ 12.02	\$ 12.02	\$ -	\$ 0.84	\$ 12.87	UST-024-10
Mounting Hardware	1	\$ 263.78	\$ 263.78	\$ -	\$ 18.46	\$ 282.24	0310-0097
5-PIN Protector 265V RED	4	\$ 2.04	\$ 8.18	\$ -	\$ 0.57	\$ 8.75	F013456
5-PIN Protector 265V BLK	52	\$ 2.04	\$ 106.29	\$ -	\$ 7.44	\$ 113.73	F014031
Cabinet Pad Template	1	\$ 439.63	\$ 439.63	\$ -	\$ 30.77	\$ 470.41	0310-0236
Battery 12 V	4	\$ 78.79	\$ 315.17	\$ -	\$ 22.06	\$ 337.23	12SLA12-HFR
Site Prep - 48 Lines	1	\$ 6,903.08	\$ 6,903.08	\$ -	\$ 483.22	\$ 7,386.29	N/A

Grand Total \$ 15,465.86

120 Remote Cabinet

Item	QTY	Unit Cost	Total	Power Factor	Tax	Total	Part No.
120 Remote Cabinet	1	\$ 7,353.10	\$ 7,353.10	\$ -	\$ 514.72	\$ 7,867.82	0360-0010
12 Position Fiber Splicing Tray	2	\$ 12.02	\$ 24.05	\$ -	\$ 1.68	\$ 25.73	UST-024-10
Mounting Hardware	1	\$ 307.74	\$ 307.74	\$ -	\$ 21.54	\$ 329.29	0310-0046
Battery Tray Warmer	1	\$ 263.78	\$ 263.78	\$ -	\$ 18.46	\$ 282.24	0310-0037
5-PIN Protector 265V RED	8	\$ 2.04	\$ 16.35	\$ -	\$ 1.14	\$ 17.50	F013456
5-PIN Protector 265V BLK	124	\$ 2.04	\$ 253.45	\$ -	\$ 17.74	\$ 271.20	F014031
Cabinet Pad Template	1	\$ 439.63	\$ 439.63	\$ -	\$ 30.77	\$ 470.41	0310-0236
Battery 12 V	4	\$ 120.59	\$ 482.34	\$ -	\$ 33.76	\$ 516.10	12SLA30-HFR
Site Prep - 120 Lines	1	\$ 6,903.08	\$ 6,903.08	\$ -	\$ 483.22	\$ 7,386.29	N/A

Grand Total \$ 17,166.58

240 Remote Cabinet

Item	QTY	Unit Cost	Total	Power Factor	Tax	Total	Part No.
240 Remote Cabinet	1	\$ 16,411.99	\$ 16,411.99	\$ -	\$ 1,148.84	\$ 17,560.83	0360-0009
12 Position Fiber Splicing Tray	2	\$ 12.02	\$ 24.05	\$ -	\$ 1.68	\$ 25.73	UST-024-10
Mounting Hardware	1	\$ 307.74	\$ 307.74	\$ -	\$ 21.54	\$ 329.29	0310-0229
Battery Tray Warmer	1	\$ 527.56	\$ 527.56	\$ -	\$ 36.93	\$ 564.49	0310-1064
5-PIN Protector 265V RED	12	\$ 2.04	\$ 24.53	\$ -	\$ 1.72	\$ 26.24	F013456
5-PIN Protector 265V BLK	246	\$ 2.04	\$ 502.82	\$ -	\$ 35.20	\$ 538.02	F014031
Cabinet Pad Template	1	\$ 439.63	\$ 439.63	\$ -	\$ 30.77	\$ 470.41	0310-0236
Battery 12 V	8	\$ 120.59	\$ 964.68	\$ -	\$ 67.53	\$ 1,032.21	12SLA30-HFR
Site Prep - 240 Lines	1	\$ 6,903.08	\$ 6,903.08	\$ -	\$ 483.22	\$ 7,386.29	N/A

Grand Total \$ 27,933.51

384 Remote Cabinet

Item	QTY	Unit Cost	Total	Power Factor	Tax	Total	Part No.
384 Remote Cabinet	1	\$ 14,965.60	\$ 14,965.60	\$ -	\$ 1,047.59	\$ 16,013.19	0360-0012
12 Position Fiber Splicing Tray	2	\$ 12.02	\$ 24.05	\$ -	\$ 1.68	\$ 25.73	UST-024-10
Mounting Hardware	1	\$ 307.74	\$ 307.74	\$ -	\$ 21.54	\$ 329.29	0310-0229
Battery Tray Warmer	1	\$ 527.56	\$ 527.56	\$ -	\$ 36.93	\$ 564.49	0310-1064
5-PIN Protector 265V RED	20	\$ 2.04	\$ 40.88	\$ -	\$ 2.86	\$ 43.74	F013456
5-PIN Protector 265V BLK	390	\$ 2.04	\$ 797.15	\$ -	\$ 55.80	\$ 852.95	F014031
Cabinet Pad Template	1	\$ 527.56	\$ 527.56	\$ -	\$ 36.93	\$ 564.49	0310-0068
Battery 12 V	12	\$ 120.59	\$ 1,447.02	\$ -	\$ 101.29	\$ 1,548.31	12SLA30-HFR
Site Prep - 384 Lines	1	\$ 6,903.08	\$ 6,903.08	\$ -	\$ 483.22	\$ 7,386.29	N/A

Grand Total \$ 27,328.49

RDT Frame Misc - Space

Item	QTY	Unit Cost	Total	Power Factor	Tax	Total	Part No.
Power Transfer Switch	1	\$ 1,833.22	\$ 1,833.22	\$ -	\$	128.33	\$ 1,961.54 UPXPED100
12 Fiber Patch Panel	1	\$ 157.58	\$ 157.58	\$ -	\$	11.03	\$ 168.61 CNP-1238-SP
Operations System Interface	1	\$ 1,072.71	\$ 1,072.71	\$ -	\$	75.09	\$ 1,147.80 0101-0018
OS Interface Cable	1	\$ 43.96	\$ 43.96	\$ -	\$	3.08	\$ 47.04
12in Cable Management Riser	1	\$ 967.19	\$ 967.19	\$ -	\$	67.70	\$ 1,034.90 0310-0736

Grand Total \$ 4,369.89

Primary Shelf - Bandwidth

Item	QTY	Unit Cost	Total	Power Factor	Tax	Total	Part No.
CPU2	2	\$ 857.06	\$ 1,714.11	\$ -	\$	119.99	\$ 1,834.10 0101-0027
Fiber Optic Transceiver (OC1)	2	\$ 1,191.41	\$ 2,382.82	\$ -	\$	166.80	\$ 2,695.92 0120-0038

Grand Total \$ 4,530.02

Secondary Shelf - Space

Item	Unit Cost	Total	Power Factor	Tax	Total	
Channel Shelf	1 \$ 2,980.38	\$ 2,980.38	\$ -	\$	208.63	\$ 3,189.00 0140-0136

Grand Total \$ 3,189.00

Secondary Shelf - Bandwidth

Item	Unit Cost	Total	Power Factor	Tax	Total	
Expansion Link Unit	2 \$ 391.27	\$ 782.55	\$ -	\$	54.78	\$ 837.33 0101-0028
Expansion Bank Control	2 \$ 391.27	\$ 782.55	\$ -	\$	54.78	\$ 837.33 0101-0029

Grand Total \$ 1,674.65

Secondary Shelf Incremental Unit Cost

Item	QTY	Unit Cost	Total	Power Factor	Tax	Total	Part No.
POTS Card	1	\$ 439.52	\$ 439.52	\$ -	\$	30.77	\$ 470.28 0110-0148
Extended Range VG	1	\$ 685.64	\$ 685.64	\$ -	\$	48.00	\$ 733.64 0110-0042
Coin Card	1	\$ 685.64	\$ 685.64	\$ -	\$	48.00	\$ 733.64 0110-0160
DS0 Card	1	\$ 659.27	\$ 659.27	\$ -	\$	46.15	\$ 705.42 0110-0069
HDSL1DS1PRI Card	1	\$ 747.18	\$ 747.18	\$ -	\$	52.30	\$ 799.48 0120-0128
ISDN-BRI Card	1	\$ 1,494.76	\$ 1,494.76	\$ -	\$	104.63	\$ 1,599.39 0110-0097
Digital Bypass Pair Unit	1	\$ 1,626.65	\$ 1,626.65	\$ -	\$	113.87	\$ 1,740.51 0101-0023
4Wire Card	1	\$ 890.45	\$ 890.45	\$ -	\$	62.33	\$ 952.78 0110-0147

	Hours	Rate	Total
Labor			
Engineering labor	40	\$ 52.88	\$ 2,115.20
Installation	98	\$ 44.81	\$ 4,391.38

	Hours	Rate	Total
Labor FOT			
Engineering labor	14	\$ 52.88	\$ 740.32
Installation	19	\$ 44.81	\$ 851.39

**Large COT Equipment
Cot Frame**

Item	QTY	Unit Cost	Total	Power Factor	Tax	Total	Part No.
7ft Bay	1	\$ 342.57	\$ 342.57	\$ -	\$ 23.98	\$ 366.55	N/A
Terminal Block for Frame 8X24	1	\$ 95.92	\$ 95.92	\$ 5.89	\$ 6.71	\$ 108.52	N/A
Fuses and #6 Power Cable	1	\$ 308.31	\$ 308.31	\$ -	\$ 21.58	\$ 329.90	N/A
24 Fiber Patch Panel	4	\$ 962.63	\$ 3,850.51	\$ 236.42	\$ 269.54	\$ 4,356.46	HD1-2430-58-W4SP1A
Fiber Jumper 15m (FOT-patch pa	4	\$ 28.55	\$ 114.19	\$ -	\$ 7.99	\$ 122.18	N/A
Fuse and Alarm Panel	1	\$ 668.02	\$ 668.02	\$ 41.02	\$ 46.76	\$ 755.79	4100892L1

Grand Total \$ 6,039.41

TDM Only - Cot Frame

Item	QTY	Unit Cost	Total	Power Factor	Tax	Total	Part No.
Module for Supervisory Link	1	\$ 642.73	\$ 642.73	\$ 39.46	\$ 44.99	\$ 727.19	41-005-97
DSX-1 Panel 84 Port	2	\$ 1,312.05	\$ 2,624.10	\$ 161.12	\$ 183.69	\$ 2,968.91	E-84C5-0001
500' Cabling for DS1	1	\$ 411.09	\$ 411.09	\$ -	\$ 28.78	\$ 439.86	N/A

Grand Total \$ 4,135.96

Common Shelf - Universal

Item	QTY	Unit Cost	Total	Power Factor	Tax	Total	Part No.
Common Shelf	1	\$ 1,592.96	\$ 1,592.96	\$ 97.81	\$ 111.51	\$ 1,802.27	4100890L3
PCU1	2	\$ 468.30	\$ 936.59	\$ 57.51	\$ 65.56	\$ 1,059.66	4100880D
MU2	1	\$ 272.07	\$ 272.07	\$ 16.71	\$ 19.04	\$ 307.82	4100883C
CPU3	2	\$ 803.02	\$ 1,606.05	\$ 98.61	\$ 112.42	\$ 1,817.08	41-108-60A
SPU2	2	\$ 577.12	\$ 1,154.24	\$ 70.87	\$ 80.80	\$ 1,305.91	4120861H
TRU1	2	\$ 215.18	\$ 430.36	\$ 26.42	\$ 30.13	\$ 486.91	4100870C
AU3	1	\$ 96.33	\$ 96.33	\$ 5.91	\$ 6.74	\$ 108.99	4110886A

Grand Total \$ 6,888.64

Common Shelf - Universal

Incremental Cost	Unit Cost	Total	Power Factor	Tax	Total	
LIU (2-8)	1 \$ 1,038.81	\$ 1,038.81	\$ 63.78	\$ 72.72	\$ 1,175.32	4100840S
LSU (0-6)	1 \$ 41.22	\$ 41.22	\$ 2.53	\$ 2.89	\$ 46.64	41-008-45

Common Shelf - Integrated

Item	QTY	Unit Cost	Total	Power Factor	Tax	Total	Part No.
Common Shelf	1	\$ 1,592.96	\$ 1,592.96	\$ 97.81	\$ 111.51	\$ 1,802.27	4100890L3
PCU1	2	\$ 468.30	\$ 936.59	\$ 57.51	\$ 65.56	\$ 1,059.66	4100880D
MU2	1	\$ 272.07	\$ 272.07	\$ 16.71	\$ 19.04	\$ 307.82	4100883C
CPU3	2	\$ 803.02	\$ 1,606.05	\$ 98.61	\$ 112.42	\$ 1,817.08	41-108-60A
SPU2	2	\$ 577.12	\$ 1,154.24	\$ 70.87	\$ 80.80	\$ 1,305.91	4120861H
TRU1	2	\$ 215.18	\$ 430.36	\$ 26.42	\$ 30.13	\$ 486.91	4100870C
AU3	1	\$ 96.33	\$ 96.33	\$ 5.91	\$ 6.74	\$ 108.99	4110886A

Grand Total \$ 6,888.64

Common Shelf - Integrated

Incremental Cost	Unit Cost	Total	Power Factor	Tax	Total	Part No.
LIU (2-8)	\$ 1,038.81	\$ 1,038.81	\$ 63.78	\$ 72.72	\$ 1,175.32	4100840S
LSU (0-6)	\$ 41.22	\$ 41.22	\$ 2.53	\$ 2.89	\$ 46.64	41-008-45

Channel Shelf (1-7)

Item	QTY	Unit Cost	Total	Power Factor	Tax	Total	Part No.
Channel Shelf	1	\$ 977.47	\$ 977.47	\$ 60.02	\$ 68.42	\$ 1,105.91	4100894L0

Grand Total \$ 1,105.91

Incremental Unit Cost	QTY	Unit Cost	Total	Power Factor	Tax	Total	Part No.
DCU10 (VG 1-96)	1	\$ 109.66	\$ 109.66	\$ 6.73	\$ 7.68	\$ 124.07	4100810G
DCU10 (Extended Range VG)	1	\$ 109.66	\$ 109.66	\$ 6.73	\$ 7.68	\$ 124.07	4100810G
SCU12 (Coin)	1	\$ 244.04	\$ 244.04	\$ 14.98	\$ 17.08	\$ 276.10	41-008-12C
SCU13 (ISDN-BRI - Universal)	1	\$ 222.60	\$ 222.60	\$ 13.67	\$ 15.58	\$ 251.85	4100813F
SCU57 (DS0) w/ SCU52	1	\$ 288.82	\$ 288.82	\$ 17.73	\$ 20.22	\$ 326.78	41-008-57
SCU4 (4Wire)	1	\$ 326.19	\$ 326.19	\$ 20.03	\$ 22.83	\$ 369.05	4100804

1603 Multiplexer

Item	QTY	Unit Cost	Total	Power Factor	Tax	Total	Part No.
SLM201 1603 SMX Shelf Assemb	1	\$ 945.50	\$ 945.50	\$ 58.05	\$ 66.18	\$ 1,069.74	3EM02211AA
FAN108 Fan Panel w/ filter SMX	1	\$ 325.67	\$ 325.67	\$ 20.00	\$ 22.80	\$ 368.46	625052-000-008
SMX Com Card Kit w/ R2.02 NE	1	\$ 6,987.32	\$ 6,987.32	\$ 429.02	\$ 489.11	\$ 7,905.46	1603SMX-COM-02
NEP602 SMX Shelf Proc w/ Lan	1	\$ 1,838.47	\$ 1,838.47	\$ 112.88	\$ 128.69	\$ 2,080.04	3AL00378AE
HIF603 High Speed OC-12 Intern	2	\$ 2,547.59	\$ 5,095.19	\$ 312.84	\$ 356.66	\$ 5,764.69	3AL00238AC
BFL301 Heat Baffle	1	\$ 65.66	\$ 65.66	\$ 4.03	\$ 4.60	\$ 74.29	625636-000-001

Grand Total \$ 17,262.68

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1603 Multiplexer

Incremental Unit Cost	QTY	Unit Cost	Total	Power Factor	Tax	Total	Part No.
DMI102 DS1 Floating Drop Interfa	1	\$ 483.25	\$ 483.25	\$ 29.67	\$ 33.83	\$ 546.75	625611-000-002
LIF404 Low Speed OC-3 Interme	1	\$ 2,628.38	\$ 2,628.38	\$ 161.26	\$ 183.85	\$ 2,971.49	3AL00256AD
DS1WW202 DS1 Wire-Wrap Pan	1	\$ 210.11	\$ 210.11	\$ 12.90	\$ 14.71	\$ 237.72	3EM00932AB
VTG102 (4-DS1's /Crd)	1	\$ 393.96	\$ 393.96	\$ 24.19	\$ 27.58	\$ 445.72	3AL00114AB

**High Capacity Service
Item**

Item	QTY	Unit Cost	Total	Power Factor	Tax	Total	Part No.
DDMPLUS Extension Shelf J9872	1	\$ 2,721.39	\$ 2,721.39	\$ -	\$ 190.50	\$ 2,911.89	601358450
DDM+ DS1 CONN CBL D/E	1	\$ 114.85	\$ 114.85	\$ -	\$ 8.04	\$ 122.89	222-0183-0001-015
DDM+ Power Cord	1	\$ 31.24	\$ 31.24	\$ -	\$ 2.19	\$ 33.43	222-0190-020

Grand Total \$ 3,068.21

High Capacity Service

Incremental Unit Cost	QTY	Unit Cost	Total	Power Factor	Tax	Total	Part No.
HLU388/HRU388 (DS1/HDSL)	1	\$ 317.45	\$ 317.45	\$ -	\$ 22.22	\$ 339.67	150-1141-05

	Hours	Rate	Total
Engineering labor	72	\$ 52.88	\$ 3,807.36
Installation	150	\$ 54.51	\$ 8,176.50

	Hours	Rate	Total
Engineering labor	8	\$ 52.88	\$ 423.04
Installation	39	\$ 44.81	\$ 1,747.59

**Large RDT Equipment
MESA 4 Cabinet 672**

Item	QTY	Unit Cost	Total	Power Factor	Tax	Total	Part No.
MESA 4 Cabinet 672	1	\$ 12,645.05	\$ 12,645.05	\$ -	\$ 885.15	\$ 13,530.20	SPRINT-MESA4-35
Lucent Batteries & equip.	4	\$ 282.67	\$ 1,130.67	\$ -	\$ 79.15	\$ 1,209.82	12FT100-HFR
Site Prep 672 Lines	1	\$ 23,291.94	\$ 23,291.94	\$ -	\$ 1,630.44	\$ 24,922.37	N/A

Grand Total \$ 39,662.39

MESA 6 Cabinet 1344

Item	QTY	Unit Cost	Total	Power Factor	Tax	Total	Part No.
MESA 6 Cabinet 1344	1	\$ 21,317.10	\$ 21,317.10	\$ -	\$ 1,492.20	\$ 22,809.30	SPRINT-MESA6-33
Lucent Batteries & equip.	8	\$ 282.67	\$ 2,261.34	\$ -	\$ 158.29	\$ 2,419.63	12FT100-HFR
Site Prep 1344 Lines	1	\$ 23,291.94	\$ 23,291.94	\$ -	\$ 1,630.44	\$ 24,922.37	N/A

Grand Total \$ 50,151.31

MESA 6 Cabinet 2016

Item	QTY	Unit Cost	Total	Power Factor	Tax	Total	Part No.
MESA 6 Cabinet 2016	1	\$ 21,317.10	\$ 21,317.10	\$ -	\$ 1,492.20	\$ 22,809.30	SPRINT-MESA6-34
Lucent Batteries & equip.	12	\$ 282.67	\$ 3,392.01	\$ -	\$ 237.44	\$ 3,629.45	12FT100-HFR
Site Prep 2016 Lines	1	\$ 23,291.94	\$ 23,291.94	\$ -	\$ 1,630.44	\$ 24,922.37	N/A

Grand Total \$ 51,361.13

RDT Frame Misc

Item	Unit Cost	Total	Power Factor	Tax	Total
AWT Installation Charge	1 \$ 1,041.13	\$ 1,041.13	\$ -	\$ 72.88	\$ 1,114.01
24 Fiber Patch Panel	4 \$ 962.63	\$ 3,850.51	\$ -	\$ 269.54	\$ 4,120.04
AC Pwr Transfer Switch	1 \$ 1,833.22	\$ 1,833.22	\$ -	\$ 128.33	\$ 1,961.54
Cabinet Pad Template	1 \$ 548.11	\$ 548.11	\$ -	\$ 38.37	\$ 586.48

Grand Total \$ 7,782.08

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TDM Only - RDT Frame Misc

Item	QTY	Unit Cost	Total	Power Factor	Tax	Total	Part No.
84CKT DSX Panel x2	2	\$ 1,312.05	\$ 2,624.10	\$ -	\$ 183.69	\$ 2,807.79	E-84C5-0001
DS1 Connector Cable Set	3	\$ 82.31	\$ 246.93	\$ -	\$ 17.28	\$ 264.21	928-3344-0006-010
Teradyne 4TEL 225 RMU	1	\$ 1,684.31	\$ 1,684.31	\$ -	\$ 117.90	\$ 1,802.21	384-081-00
DSX-1 Cabling 150ft	3	\$ 371.99	\$ 1,115.97	\$ -	\$ 78.12	\$ 1,194.09	303335

Grand Total \$ 6,068.30

TDM Only - RDT Frame Misc

Incremental Cost	QTY	Unit Cost	Total	Power Factor	Tax	Total	Part No.
SFT7 20Hz Ring Generator	1	\$ 799.33	\$ 799.33	\$ -	\$ 55.95	\$ 855.29	487110900
Protector 260VDC RED	1	\$ 2.04	\$ 2.04	\$ -	\$ 0.14	\$ 2.19	F013456
700 Protector 260VDC BLK	1	\$ 2.04	\$ 2.04	\$ -	\$ 0.14	\$ 2.19	F014031
V75 Ring Generator Module	1	\$ 986.61	\$ 986.61	\$ -	\$ 69.06	\$ 1,055.67	487111500

Common Shelf - Universal

Item	QTY	Unit Cost	Total	Power Factor	Tax	Total	Part No.
Common Shelf	1	\$ 1,592.96	\$ 1,592.96	\$ -	\$ 111.51	\$ 1,704.47	4100890L3
PCU1	2	\$ 468.30	\$ 936.59	\$ -	\$ 65.56	\$ 1,002.15	4100880D
MU2	1	\$ 272.07	\$ 272.07	\$ -	\$ 19.04	\$ 291.12	4100883C
CPU3	2	\$ 803.02	\$ 1,606.05	\$ -	\$ 112.42	\$ 1,718.47	41-108-60A
SPU2	2	\$ 577.12	\$ 1,154.24	\$ -	\$ 80.80	\$ 1,235.04	4120861H
TRU1	2	\$ 215.18	\$ 430.36	\$ -	\$ 30.13	\$ 460.49	4100870C
AU3	1	\$ 96.33	\$ 96.33	\$ -	\$ 6.74	\$ 103.07	4110886A

Grand Total \$ 6,514.80

Common Shelf - Universal

Incremental Unit Cost	QTY	Unit Cost	Total	Power Factor	Tax	Total	Part No.
LIU (2-8)	1	\$ 1,038.81	\$ 1,038.81	\$ -	\$ 72.72	\$ 1,111.53	4100840S
LSU (0-6)	1	\$ 41.22	\$ 41.22	\$ -	\$ 2.89	\$ 44.11	41-008-45

Common Shelf - Integrated

Item	QTY	Unit Cost	Total	Power Factor	Tax	Total	Part No.
Common Shelf	1	\$ 1,592.96	\$ 1,592.96	\$ -	\$ 111.51	\$ 1,704.47	4100890L3
PCU1	2	\$ 468.30	\$ 936.59	\$ -	\$ 65.56	\$ 1,002.15	4100880D
MU2	1	\$ 272.07	\$ 272.07	\$ -	\$ 19.04	\$ 291.12	4100883C
CPU5	2	\$ 3,281.34	\$ 6,562.67	\$ -	\$ 459.39	\$ 7,022.06	4140860A
SPU3	2	\$ 607.49	\$ 1,214.99	\$ -	\$ 85.05	\$ 1,300.04	4140861B
TRU2	2	\$ 1,137.75	\$ 2,275.50	\$ -	\$ 159.28	\$ 2,434.78	4120870A
AU3	1	\$ 96.33	\$ 96.33	\$ -	\$ 6.74	\$ 103.07	4110886A

Grand Total \$ 13,857.69

Common Shelf - Integrated

Incremental Unit Cost	QTY	Unit Cost	Total	Power Factor	Tax	Total	Part No.
LIU (2-8)	1	\$ 1,038.81	\$ 1,038.81	\$ -	\$ -	\$ 72.72	\$ 1,111.53 4100840S
LSU (0-6)	1	\$ 41.22	\$ 41.22	\$ -	\$ -	\$ 2.89	\$ 44.11 41-008-45

Channel Shelf (1-7)

Item	QTY	Unit Cost	Total	Power Factor	Tax	Total	Part No.
Channel Shelf	1	\$ 977.47	\$ 977.47	\$ -	\$ -	\$ 68.42	\$ 1,045.89 4100894LO

Grand Total \$ 1,045.89

Channel Shelf (1-7)

Incremental Unit Cost	QTY	Unit Cost	Total	Power Factor	Tax	Total	Part No.
DCU20 (VG 1-96)	1	\$ 94.81	\$ 94.81	\$ -	\$ -	\$ 6.64	\$ 101.45 4100820E
DCU301 (Extended Range VG)	1	\$ 147.54	\$ 147.54	\$ -	\$ -	\$ 10.33	\$ 157.87 41108301a
SCU22 (Coin)	1	\$ 300.93	\$ 300.93	\$ -	\$ -	\$ 21.06	\$ 321.99 4100822B
SCU13 (ISDN BRI - Universal)	1	\$ 222.60	\$ 222.60	\$ -	\$ -	\$ 15.58	\$ 238.19 4100813F
SCU41A (ISDN BRI -Integrated)	1	\$ 128.82	\$ 128.82	\$ -	\$ -	\$ 9.02	\$ 137.84 4110841A
SCU52D (DS0)	1	\$ 314.32	\$ 314.32	\$ -	\$ -	\$ 22.00	\$ 336.32 4100852D
SCU4 (4Wire)	1	\$ 326.19	\$ 326.19	\$ -	\$ -	\$ 22.83	\$ 349.02 4100804

1603 Multiplexer

Item	QTY	Unit Cost	Total	Power Factor	Tax	Total	Part No.
SLM201 1603 SMX Shelf Assemb	1	\$ 945.50	\$ 945.50	\$ -	\$ -	\$ 66.18	\$ 1,011.68 3EM02211AA
FAN102 Fan Panel w/o filter	1	\$ 304.66	\$ 304.66	\$ -	\$ -	\$ 21.33	\$ 325.99 625052-000-002
SMX Com Card Kit w/ R2.02 NE	1	\$ 6,987.32	\$ 6,987.32	\$ -	\$ -	\$ 489.11	\$ 7,476.44 1603SMX-COM-02
NEP603 SMX Shelf Proc w/o Lan	1	\$ 1,523.30	\$ 1,523.30	\$ -	\$ -	\$ 106.63	\$ 1,629.93 3AL00378AF
HIF603 High Speed OC-12 Intern	2	\$ 5,095.19	\$ 10,190.37	\$ -	\$ -	\$ 713.33	\$ 10,903.70 3AL00238AC
BFL301 Heat Baffle	1	\$ 65.66	\$ 65.66	\$ -	\$ -	\$ 4.60	\$ 70.26 625636-000-001

Grand Total \$ 21,417.99

1603 Multiplexer

Incremental Unit Cost	QTY	Unit Cost	Total	Power Factor	Tax	Total	Part No.
DMI102 DS1 Floating Drop Interfa	1	\$ 966.51	\$ 966.51	\$ -	\$ -	\$ 67.66	\$ 1,034.17 625611-000-002
LIF404 Low Speed OC-3 Intermed	1	\$ 2,626.38	\$ 2,626.38	\$ -	\$ -	\$ 183.85	\$ 2,810.23 3AL00256AD
DS1WW202 DS1 Wire-Wrap Pan	1	\$ 210.11	\$ 210.11	\$ -	\$ -	\$ 14.71	\$ 224.82 3EM00932AB
VTG102 (4-DS1's /Crd)	1	\$ 393.96	\$ 393.96	\$ -	\$ -	\$ 27.58	\$ 421.53 3AL00114AB

High Capacity Service

Item	QTY	Unit Cost	Total	Power Factor	Tax	Total	Part No.
DDMPLUS Extension Shelf J9872	1	\$ 2,721.39	\$ 2,721.39	\$ -	\$ 190.50	\$ 2,911.89	601358450
DDM+ DS1 CONN CBL D/E	1	\$ 114.85	\$ 114.85	\$ -	\$ 8.04	\$ 122.89	222-0183-0001-015
DDM+ Power Cord	1	\$ 31.24	\$ 31.24	\$ -	\$ 2.19	\$ 33.43	222-0190-020

Grand Total \$ 3,068.21

High Capacity Service

Incremental Unit Cost	QTY	Unit Cost	Total	Power Factor	Tax	Total	Part No.
HLU388/HRU388 (DS1/HDSL)	1	\$ 317.45	\$ 317.45	\$ -	\$ 22.22	\$ 339.67	150-1141-05

Florida 1999-2000 Netcap Data
Overall

Co	Item Code	Quantity 2000	Quantity 1999	Average Quantity	Amount 2000	Amount 1999	Average Amount	Unit Cost 2000	Unit Cost 1999	Average Unit Cost	Item Desc	Category	Cost 2000	Cost 1999	Average Cost	Activity 2000	Activity 1999	Average Activity
39	615001	91	79	85	5,862.23	4,503.07	5,182.65	64.42	57.00	60.97	Place Pole 25' To 35'	Pole Placement	85.30	108.04	97.96			
39	615002	26	25	26	2,154.88	1,949.90	2,052.39	82.88	78.00	80.49	Place Pole 40' To 45'	"						
39	615003	1		1	191.00		95.50	191.00		191.00	Place pole 50' and above	"						
39	615004	640	828	734	30,136.49	42,039.93	36,088.21	47.09	50.77	49.17								
39	615005	79	230	155	3,433.05	9,834.15	6,633.60	43.46	42.76	42.94								
39	615006	2	2	2	118.20	118.20	118.20	59.10	59.10	59.10								
39	615010	28	49	39	3,684.69	9,141.00	6,412.85	131.60	186.55	166.57	Set Pole in Power	Pole Placement						
39	615011		2	1		95.50	47.75		47.75									
39	615013	3	72	38	11.53	440.75	226.14	3.84	6.12	6.03	Stenciling Pole	Pole Placement						
39	615014	23	10	17	1,681.99	731.30	1,206.65	73.13	73.13	73.13	Addl Chg for Rock Pole/Anchor	Rocky Pole Plcmt	158.43	181.17	171.09			
39	615015	380	221	301	11,823.01	6,420.87	9,121.94	31.11	29.05	30.36	Place Anchor	Anchor & Guy Plcmt	49.54	46.58	48.38			
39	615016	683	351	617	22,654.60	18,836.28	20,745.44	33.17	34.19	33.62		Rocky Anchor Plcmt	122.67	119.71	121.51			
39	615017	1,049	870	960	19,331.99	15,247.74	17,289.87	18.43	17.53	18.02	Place/Remove Guy	Anchor & Guy Plcmt						
39	615018	30	60	45	212.46	358.37	285.42	7.08	5.97	6.34								
39	615019	413	303	358	7,823.81	5,610.18	6,717.00	18.94	18.52	18.76								
39	615020	7,841	4,282	6,061	137,390.69	77,773.75	107,582.22	17.52	18.16	17.75								
39	615021	20	269	145	571.28	7,868.25	4,219.77	28.56	29.25	29.20								
39	615022	3,523	2,547	3,035	37,449.62	25,728.66	31,589.14	10.63	10.10	10.41								
39	615023	5,952	3,886	4,919	145,849.80	85,112.86	115,481.33	24.50	21.90	23.48								
39	615024	95	164	130	2,453.99	4,592.28	3,523.14	25.83	28.00	27.21								
39	615025	198	166	182	3,726.63	2,217.90	2,972.27	18.82	13.36	16.33								
39	615026	9	17	13	151.10	290.71	220.91	16.79	17.10	16.99								
39	615028	94	130	112	892.83	1,238.86	1,065.85	9.50	9.53	9.52								
39	615029	162	67	115	2,823.32	1,262.71	2,043.02	17.43	18.85	17.84								
39	615030	26	13	20	931.60	751.30	841.45	35.83	57.79	43.15								
39	615032	25	42	34	819.92	1,943.98	1,382.95	32.80	46.33	41.28								
39	615034	180,499	84,229	132,364	37,902.61	17,160.21	27,531.41	0.21	0.20	0.21	Place Strand	Strand Placement	0.21	0.20	0.21	place strand		
39	615035	414,312	337,056	375,684	70,881.72	60,866.48	65,874.10	0.17	0.18	0.18								
39	615036	109	98	104	6,304.38	5,098.91	5,701.75	57.84	52.03	55.09								
39	615037		2	1		28.66	14.33		14.33	14.33								
39	615038		3	2		46.80	23.40		15.60	15.60								
39	615039		5	8		88.39	142.51		115.45	17.68								
39	615040		18	6		235.20	117.00		176.10	13.07								
39	615041		31	9		548.18	163.02		355.60	17.68								
39	615042	135,385	14,135	74,760	19,725.90	1,998.65	10,862.28	0.15	0.14	0.15								
39	615045	160,327	82,572	121,450	52,617.82	27,359.73	39,988.78	0.33	0.33	0.33	Place Cable on Strand Cpr 0-100 pr	Aerial Cable Placement	0.42	0.39	0.41	average		
39	615046	24,154	21,519	22,837	9,487.66	8,162.66	8,825.16	0.39	0.38	0.39	Place Cable on Strand Cpr 101-400 pr	"						
39	615047	1,048	2,093	1,571	850.20	1,754.34	1,302.27	0.81	0.84	0.83	Place Cable on Strand Cpr 401 & over	"						
39	615048	81,240	14,382	47,811	50,123.80	7,326.20	28,725.00	0.62	0.51	0.60	Place Cable on Strand Fiber	"						
39	615049	112,362	27,468	69,915	12,196.41	3,133.02	7,665.72	0.11	0.11	0.11	Place Cable on Strand Backupul	"						
39	615052	517,168	367,085	442,127	108,773.02	85,552.87	97,662.95	0.21	0.23	0.22								
39	615053	25,192	66,290	45,741	5,312.00	16,659.52	10,985.76	0.21	0.25	0.24								
39	615054	10,905	11,051	10,978	2,647.20	2,892.61	2,769.91	0.24	0.26	0.25								
39	615055	6	3	5	117.00	229.20	173.10	19.50	76.40	38.47								
39	615056	19	36	28	339.74	526.68	433.21	17.88	14.63	15.75								
39	615058	67,985	25,979	46,982	33,030.92	12,588.78	22,809.85	0.49	0.48	0.49	Lash to existing cable	Aerial Cable Placement						
39	615062	396,361	110,993	253,677	151,058.15	39,928.62	95,493.39	0.38	0.36	0.38	Place self-supporting cable	"						
39	615063	131,836	118,459	125,148	26,843.09	19,156.17	22,999.63	0.20	0.16	0.18								
39	615064	40	140	90	6.00	28.00	17.00	0.15	0.20	0.19								
39	615065	44,588	20,944	32,766	36,215.96	16,640.25	26,428.11	0.81	0.79	0.81								
39	615066	1,792	1,357	1,575	2,114.93	1,555.70	1,835.32	1.18	1.15	1.17								
39	615067	45,569	37,049	41,309	30,554.00	22,805.26	26,679.63	0.67	0.62	0.65								
39	615068	4,334	2,137	3,236	42,638.91	21,363.57	32,011.24	9.84	10.00	9.89								
39	615069	20,888	14,703	17,796	27,521.20	19,033.12	23,277.16	1.32	1.29	1.31								
39	615071	20,187	4,905	12,546	40,027.19	9,584.93	24,806.06	1.98	1.95	1.98								
39	615073	643	10,807	5,725	3,800.13	11,357.41	7,578.77	5.91	1.05	1.32								
39	615077		0	0		0.00	0.00		0.00		#DIV/0!							
39	616004	625,398	240,697	433,048	808,026.51	317,916.78	562,971.65	1.29	1.32	1.30	Bury Cable any method 24"	Plow(Bur)	1.41	1.42	1.42	67.77%	71.59%	68.91%

Florida 1999-2000 Netcap Data
Overall

Co	Item Code	Quantity 2000	Quantity 1999	Average Quantity	Amount 2000	Amount 1999	Average Amount	Unit Cost 2000	Unit Cost 1999	Average Unit Cost	Item Desc	Category	Cost 2000	Cost 1999	Average Cost	Activity 2000	Activity 1999	Average Activity	
39	616005	4,509,048	1,884,822	3,196,935	6,240,145.15	2,617,459.05	4,428,802.10	1.38	1.39	1.39	Bury Cable any method 30"	"							
39	616006	475,441	322,513	398,977	722,264.71	487,032.61	604,648.66	1.52	1.51	1.52	Bury Cable any method 36"	"							
39	616007	5,018	10,189	7,604	7,984.44	16,353.43	12,168.94	1.59	1.61	1.60	Bury Cable any method 42"	"							
39	616008	40,540	11,277	25,909	69,329.57	22,237.52	45,783.55	1.71	1.97	1.77	Bury Cable any method 48"	"							
39	616009	39,413	29,819	34,616	51,665.22	42,192.33	46,928.78	1.31	1.41	1.36	Bury Fiber any method 24"	"							
39	616010	624,590	285,232	454,911	888,308.84	420,370.71	654,339.78	1.42	1.47	1.44	Bury Fiber any method 30"	"							
39	616011	257,847	173,720	215,784	482,593.76	276,063.58	379,328.67	1.87	1.59	1.76	Bury Fiber any method 36"	"							
39	616012	75,487	27,665	51,576	120,343.34	44,305.54	82,324.44	1.59	1.60	1.60	Bury Fiber any method 42"	"							
39	616013	67,185	41,623	54,404	109,315.04	65,939.84	87,627.44	1.63	1.58	1.61	Bury Fiber any method 48"	"							
39	616014	7,278	7,890	7,584	3,195.08	2,193.76	2,694.42	0.44	0.28	0.36	Add'l. over 48"	Add to Plow							
39	616015	370,626	101,343	235,985	1,290,218.70	349,245.35	819,732.03	3.48	3.45	3.47	Add'l. for Rock	Plow - Hard Rock	4.90	4.87	4.89				
39	616018	25,157	26,152	25,655	55,522.81	53,926.76	54,724.79	2.21	2.06	2.13									
39	616019	117,412	73,900	95,656	64,424.37	56,632.37	60,528.37	0.55	0.77	0.63	Pre-Rip Plow Line	Rocky Plow	1.96	2.19	2.05	1.75%	2.44%	1.96%	of above
39	616020	213,047	94,798	153,923	232,698.22	111,321.46	172,009.84	1.09	1.17	1.12	Place Cable in Open Trench								
39	616021	173,033	86,860	129,947	238,633.72	117,394.10	178,013.91	1.38	1.35	1.37	Place Pipe in Open Trench								
39	616022	21	1,495	758	28.36	2,038.55	1,033.46	1.35	1.36	1.36	Place Subduct in Open Trench								
39	616023	1,666	2,506	2,086	1,252.36	2,262.38	1,757.37	0.75	0.90	0.84	Add'l for Backfilling								
39	616024	716,328	252,604	484,566	242,525.81	84,019.24	163,272.53	0.34	0.33	0.34	Bury add'l Copper in same trench								
39	616025	221,068	79,437	150,253	154,225.34	50,541.56	102,383.45	0.70	0.64	0.68	Bury add'l Pipe in same trench								
39	616026	148,882	108,225	128,554	68,896.49	47,103.10	57,999.80	0.46	0.44	0.45	Bury add'l Fiber/Subduct in same trench								
39	616027	3,250	778	2,014	789.24	186.72	487.98	0.24	0.24	0.24	Add'l. over 48"								
39	616030	199,212	109,074	154,143	1,344,494.23	735,809.00	1,040,151.62	6.75	6.75	6.75	Push Pipe 2" 24"	Push Pipe & Pull Cable	7.08	7.07	7.08	3.49%	4.61%	3.82%	
39	616031	63,012	33,313	49,162	453,632.12	254,969.91	354,301.02	7.20	7.22	7.21	Push Pipe 2" 30"	"							
39	616032	43,364	30,864	37,214	294,769.51	209,886.43	252,327.97	6.77	6.80	6.78	Push Pipe 2" 36"	"							
39	616033	5,176	1,818	3,497	38,351.16	13,594.19	25,972.68	7.41	7.48	7.43	Push Pipe 2" 42"	"							
39	616034	22,873	11,251	17,062	169,555.30	83,616.01	126,585.66	7.41	7.43	7.42	Push Pipe 2" 48"	"							
39	616035	1,312	39	676	13,715.26	488.86	7,102.06	10.45	12.53	10.51	Push Pipe 4" 24"	"							
39	616036	3,245	4,170	3,708	38,183.55	52,173.69	45,179.62	11.77	12.51	12.19	Push Pipe 4" 30"	"							
39	616037	4,741	1,205	2,973	50,172.18	13,758.27	31,965.23	10.58	11.42	10.75	Push Pipe 4" 36"	"							
39	616038	295	284	290	2,958.85	2,860.92	2,909.89	10.03	10.07	10.05	Push Pipe 4" 42"	"							
39	616039	2,045	90	1,068	21,094.15	940.30	11,017.23	10.31	10.45	10.32	Push Pipe 4" 48"	"							
39	616040	60	30	45	573.00	286.50	429.75	9.55	9.55	9.55		"							
39	616041	20	99	60	210.20	1,043.46	626.83	10.51	10.54	10.53	Push Pipe >4" 30"	"							
39	616042	50	610	330	829.00	6,586.00	3,707.50	16.58	10.80	11.23	Push Pipe >4" 36"	"							
39	616043	2	1	1	39.00		19.50	19.50	19.50	19.50	Push Pipe >4" 42"	"							
39	616044	354	58	206	7,497.00	844.50	4,170.75	21.18	14.56	20.25	Push Pipe >4" 48"	"							
39	616045	2,975	247	1,611	12,792.50	1,079.91	6,936.21	4.30	4.37	4.31	Add'l. over 48"	"							
39	616050	308	132	220	2,990.00	1,287.00	2,138.50	9.71	9.75	9.72	Jack & Bore Pipe 2" 24"	Boring	8.81	9.31	8.94	23.69%	18.88%	22.25%	
39	616051	319	8,855	4,587	3,152.25	87,655.35	45,403.80	9.88	9.90	9.90	Jack & Bore Pipe 2" 30"	"							
39	616052		831	416		8,362.41	4,181.21		10.06	10.06		"							
39	616053		50	25		542.00	271.00		10.84	10.84		"							
39	616055	20	22	21	197.00	210.10	203.55	9.85	9.55	9.69	Jack & Bore Pipe 4" 24"	"							
39	616056	151	392	272	1,839.85	5,314.80	3,577.33	12.18	13.56	13.18	Jack & Bore Pipe 4" 30"	"							
39	616057	80	40	60	993.60		496.80	12.42	12.42	12.42	Jack & bore 2 1/2 -4/minimum cover 36"	"							
39	616058	3	10	7	42.11	139.63	90.87	14.04	13.96	13.98	Jack & Bore Pipe 4" 42"	"							
39	616059	55	28	28	1,019.15		509.58	18.53		18.53	Jack & bore 2 1/2 -4/minimum cover 48"	"							
39	616060	-6	6	0	-130.14	106.02	-12.06	21.69	17.67	#DIV/0!	Jack & Bore Pipe >4" 24"	Conduit Boring	15.73	15.67	15.73	0.19%	0.06%	0.15%	
39	616061	126	63	94.5	2,580.48		1,290.24	20.48		20.48	Jack & bore over 4/minimum cover 30"	"							
39	616064		10	5		282.80	141.40		28.28	28.28		"							
39	616065	27,048	20	13,534	131,994.34	98.60	66,046.47	4.88	4.93	4.88	Add'l. over 48"	Add to Boring							
39	616070	80,225	2,983	41,604	547,936.75	20,372.05	284,154.40	6.83	6.83	6.83	Rock Boring 24"	Boring - Hard Rock Additive	9.25	16.46	10.51				
39	616071	5,237	13,480	9,358	43,640.06	118,141.01	80,890.54	8.33	8.76	8.64	Rock Boring 30"	"							
39	616072	8,216	2,102	5,159	81,066.13	22,340.52	51,703.33	9.87	10.63	10.02	Rock Boring 36"	"							
39	616073	4,982	50	2,516	49,015.10	477.50	24,746.30	9.84	9.55	9.84	Rock Boring 42"	"							
39	616074	16,943	5,897	11,420	226,754.38	77,691.92	152,223.15	13.38	13.17	13.33	Rock Boring 48"	"							
39	616079	13,405	18,159	15,782	120,930.85	164,357.03	142,643.94	9.02	9.05	9.04	Add'l. over 48"	Add to Boring - Hard Rock							
39	616081	188,818	40,431	114,625	784,981.41	164,418.29	474,699.85	4.16	4.07	4.14	Place Bore 1-3"	Boring							
39	616082	2,890	227	1,559	18,743.62	1,691.67	10,217.65	6.49	7.45	6.56	Place Bore >3"	"							

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39	616083	1,285	42	664	2,696.75	155.82	1,426.29	2.10	3.71	2.15	Bury Steel Pipe 24"								
39	616084	292	592	442	966.80	2,249.60	1,608.20	3.31	3.80	3.64	Bury Steel Pipe 30"								
39	616085	540		270	2,052.00		1,026.00	3.80		3.80	Bury steel pipe 6" & smaller/minimum cover 36"								
39	616086	114	520	317	625.86	2,854.80	1,740.33	5.49	5.49	5.49	Bury Steel Pipe 42"								
39	616088	3,581	4,680	4,131	4,185.99	4,720.15	4,453.07	1.17	1.01	1.08	Add'l. for each pipe over 1								
39	616089	3,806	15,976	9,891	4,542.50	19,011.44	11,776.97	1.19	1.19	1.19	Add'l. over 48"								
39	616091	51,513	15,242	33,378	123,158.59	35,997.16	79,577.88	2.39	2.36	2.38	Bury Plastic Pipe 24"	Conduit Trenching	2.61	2.75	2.65	4.16%	3.92%	4.09%	
39	616092	188,320	90,736	139,528	425,699.87	208,105.08	316,902.48	2.26	2.29	2.27	Bury Plastic Pipe 30"	"							
39	616093	131,392	51,053	91,223	308,227.75	122,981.57	215,604.66	2.35	2.41	2.36	Bury Plastic Pipe 36"	"							
39	616094	14,298	958	7,628	35,702.69	2,347.18	19,024.94	2.50	2.45	2.49	Bury Plastic Pipe 42"	"							
39	616095	26,715	7,980	17,348	87,842.34	27,110.63	57,476.49	3.29	3.40	3.31	Bury Plastic Pipe 48"	"							
39	616096	158,306	83,599	120,953	93,522.73	59,083.82	76,303.28	0.59	0.71	0.63	Add'l. for each pipe over 1	"							
39	616098	376	280	328	10,239.60	14,440.00	12,339.80	27.23	51.57	37.62									
39	616099	2,445	429	1,437	7,097.19	1,171.57	4,134.38	2.90	2.73	2.88									
39	616101	2,911,696	1,443,342	2,177,519	1,483,190.06	733,438.95	1,108,314.51	0.51	0.51	0.51	Place cable in Conduit								
39	616102	304,694	208,794	256,744	103,946.79	71,557.62	87,752.21	0.34	0.34	0.34	Place innerduct in Conduit								
39	616103	510,614	321,776	416,195	174,069.67	109,369.45	141,719.56	0.34	0.34	0.34	Add'l. cable/innerduct in same conduit								
39	616105	13,901	3,429	8,665	25,075.71	5,358.17	15,216.94	1.80	1.56	1.76	Place subduct								
39	616106	6,082	6,146	6,114	1,416.48	1,412.83	1,414.66	0.23	0.23	0.23	Each add'l subduct								
39	616110	561,646	227,428	394,537	372,755.88	151,284.66	262,020.27	0.66	0.67	0.66	Place fiber in subduct (direct buried)								
39	616112	56,236	48,524	52,380	56,773.53	48,502.24	52,637.89	1.01	1.00	1.00									
39	616114	207,748	192,572	200,160	107,566.69	99,892.77	103,729.73	0.52	0.52	0.52	Mandrel duct/install pull wire								
39	616117	792,377	592,938	692,658	478,247.29	355,657.72	416,952.51	0.60	0.60	0.60	Place fiber in conduit/innerduct								
39	616119	20,155	17,682	18,919	16,706.88	16,589.60	16,648.24	0.83	0.94	0.88									
39	616121	10,195	8,785	9,490	7,692.32	8,291.61	7,991.97	0.75	0.94	0.84									
39	616124	3,242	3,027	3,135	245,237.00	255,666.92	250,451.96	75.64	84.46	79.90									
39	616125	2,534	1,716	2,125	168,400.05	130,338.60	149,369.33	66.46	75.95	70.29									
39	616126	765	438	602	37,093.25	21,297.25	29,195.25	48.49	48.62	48.54									
39	616128	153	71	112	13,662.72	6,396.39	10,029.56	89.30	90.09	89.55									
39	616130	1,406	1,509	1,457	12,240.46	13,218.10	12,729.28	8.71	8.76	8.73									
39	616132	11,688	7,689	9,689	70,629.76	44,608.35	57,619.06	6.04	5.80	5.95									
39	616134	34,477	13,696	24,086	37,561.49	15,966.29	26,763.89	1.09	1.17	1.11									
39	616135	1,489	1,062	1,276	8,253.79	5,333.96	6,793.88	5.54	5.02	5.33									
39	616137	27,978	12,561	20,270	248,126.18	111,706.79	179,916.49	8.87	8.89	8.88									
39	616138	4,088	2,234	3,161	102,258.66	57,528.40	79,893.53	25.01	25.75	25.27									
39	616139	451	308	380	8,848.32	6,070.04	7,459.18	19.62	19.71	19.66									
39	616141	363	240	302	53,958.89	39,121.04	46,539.97	148.65	163.00	154.36									
39	616143	6,628	3,219	4,924	58,229.58	28,344.51	43,287.05	8.79	8.81	8.79									
39	616147	286	164	225	33,026.12	18,853.74	25,939.93	115.48	114.96	115.29									
39	616150	13,361	11,126	12,243	197,453.42	151,839.34	174,646.38	14.78	13.65	14.26									
39	616151	19,710	12,697	16,204	32,541.62	21,819.31	27,180.47	1.65	1.72	1.68	Remove Asphalt	R & R Asphalt Additive	9.67	9.86	9.75	0.10%	0.15%	0.11%	
39	616152	6,383	9,461	7,922	20,334.30	30,361.12	25,347.71	3.19	3.21	3.20	Restore Asphalt	"							
39	616153	25,209	8,954	17,081	66,520.21	23,872.16	45,196.19	2.64	2.67	2.65	Remove Concrete	R & R Concrete Additive	13.05	11.92	12.73	0.13%	0.11%	0.12%	
39	616154	15,184	6,034	10,609	59,036.18	19,859.71	39,447.95	3.89	3.29	3.72	Restore Concrete	"							
39	616156	1,261	269	765	2,459.07	525.87	1,492.47	1.95	1.95	1.95	Remove Brick								
39	616158	1,317	287	802	23,194.23	5,926.53	14,560.38	17.61	20.65	18.16	Restore Brick Pavement								
39	616159	39,108	14,412	26,760	38,108.90	14,009.71	26,059.31	0.97	0.97	0.97	Restore Gravel								
39	616162		8,379	4,190		2,196.87	1,098.44		0.26	0.26									
39	616163	94,088	57,871	75,979	48,077.60	28,315.95	38,196.78	0.51	0.49	0.50	Remove & Replace Sod	R & R Sod Additive	1.02	0.98	1.01	0.47%	0.68%	0.54%	
39	616164	12,377	3,027	7,702	2,046.42	423.98	1,235.20	0.17	0.14	0.16	Seed/Mulch/Straw								
39	616166	1,437	2,986	2,212	8,715.60	29,355.82	19,035.71	6.07	9.83	8.61									
39	616167	417	575	496	2,765.42	3,851.44	3,308.43	6.63	6.70	6.67									
39	616168	82	59	71	25,068.00	14,670.25	19,869.13	305.71	248.65	281.83									
39	616169	56	96	76	8,278.00	9,640.50	8,959.25	147.82	100.42	117.88									
39	616173	594	501	548	67,352.71	60,546.05	63,949.38	113.39	120.85	116.80									
39	616175	1,388	787	1,088	359,397.52	210,622.12	285,009.82	258.93	267.63	262.08									
39	616177	2		1	4,000.00		2,000.00	2000.00		2000.00	Place 5' X 10'6" X 7' Vault								
39	616200	1,406,298	461,005	933,652	9,448,029.93	3,084,189.27	6,266,109.60	6.72	6.69	6.71	Directional Bore 2"	Boring							

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39	616202	634,495	261,911	448,203	7,227,391.45	2,985,855.77	5,106,623.61	11.39	11.40	11.39	Directional Bore 4"	"							
39	616204	18,920	2,401	10,661	297,099.53	37,486.05	167,292.79	15.70	15.61	15.69	Directional Bore 6"	Conduit Boring							
39	616206	127,873	76,802	102,338	692,163.76	380,780.88	536,472.32	5.41	4.96	5.24	Add'l. Bore 2"	Boring							
39	616208	161,308	65,035	113,172	1,178,306.03	428,105.44	803,205.74	7.30	6.58	7.10	Add'l. Bore 4"	"							
39	616210	1,522		761	13,634.86		6,817.43	8.96		8.96	Additional cable/subduct/conduit - 4 1/4 - 6"								
39	616212	32,037	17,470	24,754	687,527.45	362,389.67	524,958.56	21.46	20.74	21.21	Directional Bore stream crossing 4"								
39	616214	1,385	520	953	61,495.10	22,817.60	42,156.35	44.40	43.88	44.26	Directional Bore stream crossing 6"								
39	616220	5,160	2,880	4,020	101,198.55	41,502.30	71,350.43	19.61	14.41	17.75	Directional Bore add'l stream crossing 4"								
39	617030	107,348	59,056	83,202	5,583,296.00	3,045,452.00	4,314,374.00	52.01	51.57	51.85	Buried Service Drop - up to 150'								
39	617031	6,339,612	3,753,666	5,046,639	2,025,430.22	1,184,192.96	1,604,811.59	0.32	0.32	0.32	Add'l over 150'								
39	617032	42,726	37,345	40,036	13,253.88	12,448.23	12,851.06	0.31	0.33	0.32	Place in open trench								
39	617033	9,184	5,430	7,307	10,481.52	6,816.60	8,649.06	1.14	1.26	1.18	Buried Service Bore - sidewalk								
39	617035	2,685,913	1,619,129	2,152,521	815,338.26	495,186.30	655,262.28	0.30	0.31	0.30	Cut-over Service Drop								
39	617036	763,158	249,169	506,164	368,493.25	122,134.25	245,313.75	0.48	0.49	0.48	Splice BSW								
39	617037	28,538	29,640	29,089	15,875.09	16,344.75	16,109.92	0.56	0.55	0.55									
39	617038	4,280	13	2,147	2,548.06	8.39	1,278.23	0.60	0.65	0.60									
39	617039	606	377	492	453.38	245.31	349.35	0.75	0.65	0.71									
39	617040	633		317	27,037.00		13,518.50	42.71		42.71	Slab bore concrete / asphalt slabs								
39	617041	2,050		1,025	164.00		82.00	0.08		0.08	Remove temporary wire								
39	617056	485,130	199,066	342,098	2,634,644.26	1,074,879.48	1,854,761.87	5.43	5.40	5.42									
39	617058	116,179	69,062	92,621	1,481,420.19	880,285.28	1,180,852.74	12.75	12.75	12.75									
39	617060	11,009	6,963	8,986	110,508.71	75,947.61	93,228.16	10.04	10.91	10.37									
39	617941	67,154		33,577	5,372.32		2,686.16	0.08		0.08	Remove temporary wire								
													Total Activity			100.00%	100.00%	100.00%	
		9,915,689	4,229,004	7,072,346															

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39	615001	13	2	8	894.04	135.01	514.53	68.77	67.51	68.60	Place Pole 25' To 35'	Pole Placement	91.47	177.17	147.41			
39	615002		4	2		197.00	98.50				Place Pole 40' To 45'	"						
39	615003			0			0.00				Place pole 50' and above	"						
39	615004	203	450	327	8,568.61	25,006.50	16,787.56	42.21	55.57	51.42								
39	615005	6	139	73	215.10	5,516.10	2,865.60	35.85	39.68	39.53								
39	615006	2	2	2	118.20	118.20	118.20	59.10	59.10	59.10								
39	615010	12	41	27	1,392.69	7,995.00	4,693.85	116.06	195.00	177.13	Set Pole in Power	Pole Placement						
39	615011		0	0		0.00	0.00											
39	615013		0	0		0.00	0.00				Stenciling Pole	Pole Placement						
39	615014		0	0		0.00	0.00				Addl Chg for Rock Pole/Anchor	Rocky Pole Plcmt	91.47	177.17	147.41			
39	615015	27	8	18	816.30	214.48	515.39	30.23	26.81	29.45	Place Anchor	Anchor & Guy Plcmt	47.94	45.25	47.53			
39	615016	185	203	194	5,998.68	6,899.94	6,449.31	32.43	33.99	33.24		Rocky Anchor Plcmt	47.94	45.25	47.53			
39	615017	216	220	218	3,824.82	4,056.54	3,940.68	17.71	18.44	18.08	Place/Remove Guy	Anchor & Guy Plcmt						
39	615018	5	0	3	89.14	0.00	44.57	17.83		17.83								
39	615019	76	64	70	1,441.37	1,153.28	1,297.33	18.97	18.02	18.53								
39	615020	994	446	720	19,134.07	8,164.95	13,649.51	19.25	18.31	18.96								
39	615021	4	29	17	117.90	848.25	483.08	29.48	29.25	29.28								
39	615022	600	213	407	8,077.56	2,761.21	5,419.39	13.46	12.96	13.33								
39	615023	351	706	529	5,992.50	5,458.05	5,725.28	17.07	7.73	10.83								
39	615024	16	17	17	413.16	401.17	407.17	25.82	23.60	24.68								
39	615025	10	6	8	135.66	69.84	102.75	13.57	11.64	12.84								
39	615026	4	0	2	60.01	0.00	30.01	15.00		15.00								
39	615028	2	1	2	19.50	9.75	14.63	9.75	9.75	9.75								
39	615029	30	5	18	432.86	114.49	273.68	14.43	22.90	15.64								
39	615030	5	0	3	174.30	0.00	87.15	34.86		34.86								
39	615032	6	23	15	380.28	923.14	651.71	63.38	40.14	44.95								
39	615034	27,524	12,977	20,251	6,437.14	2,595.40	4,516.27	0.23	0.20	0.22	Place Strand	Strand Placement	0.23	0.20	0.22			
39	615035	136,101	204,775	170,438	24,291.47	35,973.93	30,132.70	0.18	0.18	0.18								
39	615036		0	0		0.00	0.00											
39	615037		0	0		0.00	0.00											
39	615038		1	1		7.40	3.70											
39	615039		0	0		0.00	0.00											
39	615040	6	1	4	59.10	19.50	39.30	9.85	19.50	11.23								
39	615041	1	1	1	7.02	7.02	7.02	7.02	7.02	7.02								
39	615042	7,095	1,608	4,352	759.40	241.20	500.30	0.11	0.15	0.11								
39	615045	4,183	15,985	10,084	1,393.66	5,430.34	3,412.00	0.33	0.34	0.34	Place Cable on Strand Cpr 0-100 pr	Aerial Cable Placement	0.50	0.36	0.46 average	average	average	
39	615046		30	15		14.70	7.35				Place Cable on Strand Cpr 101-400 pr	"						
39	615047		0	0		0.00	0.00				Place Cable on Strand Cpr 401 & over	"						
39	615048	25,204	0	12,602	16,100.76	0.00	8,050.38	0.64		0.64	Place Cable on Strand Fiber	"						
39	615049	3,507	1,623	2,565	1,310.91	162.30	736.61	0.37	0.10	0.29	Place Cable on Strand Backpull	"						
39	615052	139,921	216,003	177,962	31,350.22	51,731.30	41,540.76	0.22	0.24	0.23								
39	615053	9,033	38,737	23,895	1,981.22	7,751.40	4,866.31	0.22	0.20	0.20								
39	615054	2,350	5,431	3,891	564.00	1,683.61	1,123.81	0.24	0.31	0.29								
39	615055		0	0		0.00	0.00											
39	615056		0	0		0.00	0.00											
39	615058	1,636	3,280	2,458	639.81	1,566.94	1,103.38	0.39	0.48	0.45	Lash to existing cable	Aerial Cable Placement						
39	615062	19,011	1,890	10,451	5,549.33	530.38	3,039.86	0.29	0.28	0.29	Place self-supporting cable	"						
39	615063	47,303	35,665	41,484	10,994.53	6,225.05	8,609.79	0.23	0.17	0.21								
39	615064		60	30		9.00	4.50											
39	615065	2,646	1,957	2,302	2,368.06	2,009.73	2,188.90	0.89	1.03	0.95								
39	615066	114	160	137	161.04	234.40	197.72	1.41	1.47	1.44								
39	615067	5,209	2,975	4,092	3,428.28	2,081.74	2,755.01	0.66	0.70	0.67								
39	615068	466	309	388	5,803.07	3,502.32	4,652.70	12.45	11.33	12.01								

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39	615069	1,815	8,941	5,378	5,352.25	8,798.48	7,075.37	2.95	0.98	1.32									
39	615071	260	1,102	681	803.10	2,148.90	1,476.00	3.09	1.95	2.17									
39	615073		2,894	1,447		2,402.02	1,201.01												
39	615077		0	0		0.00	0.00												
39	616004	24,302	14,521	19,412	30,211.89	18,887.21	24,549.55	1.24	1.30	1.26	Bury Cable any method 24"	Plow(Bur)	1.40	1.42	1.41	87.94%	86.89%	87.64%	
39	616005	1,612,646	574,631	1,093,638	2,178,351.24	777,419.15	1,477,885.20	1.35	1.35	1.35	Bury Cable any method 30"	"							
39	616006	155,769	109,656	132,713	242,854.04	169,951.35	206,402.70	1.56	1.55	1.56	Bury Cable any method 36"	"							
39	616007	567	2,134	1,351	946.89	3,563.78	2,255.34	1.67	1.67	1.67	Bury Cable any method 42"	"							
39	616008	5,482	2,702	4,092	9,708.69	6,536.98	8,122.84	1.77	2.42	1.99	Bury Cable any method 48"	"							
39	616009		62	31		96.72	48.36				Bury Fiber any method 24"	"							
39	616010	144,783	43,062	93,923	202,054.23	61,304.41	131,679.32	1.40	1.42	1.40	Bury Fiber any method 30"	"							
39	616011	105,577	71,785	88,681	205,875.15	122,887.07	164,381.11	1.95	1.71	1.85	Bury Fiber any method 36"	"							
39	616012		0	0		0.00	0.00				Bury Fiber any method 42"	"							
39	616013	22,591	0	11,296	38,856.52	0.00	19,428.26	1.72		1.72	Bury Fiber any method 48"	"							
39	616014		0	0		0.00	0.00				Add'l. over 48"	Add to Plow							
39	616015	23,511	20,577	22,044	86,039.38	70,954.93	78,497.16	3.66	3.45	3.56	Add'l. for Rock	Plow - Hard Rock	5.06	4.87	4.97				
39	616018	4,091	3,099	3,595	7,639.23	5,776.67	6,707.95	1.87	1.86	1.87									
39	616019	14,748	21,462	18,105	5,804.52	17,277.60	11,541.06	0.39	0.81	0.64	Pre-Rip Plow Line	Rocky Plow	1.80	2.22	2.05	0.71%	2.62%	1.25%	
39	616020	5,098	4,634	4,866	4,889.59	5,197.08	5,043.34	0.96	1.12	1.04	Place Cable in Open Trench					of above	of above	of above	
39	616021	230	500	365	220.80	494.00	357.40	0.96	0.99	0.98	Place Pipe in Open Trench								
39	616022		0	0		0.00	0.00				Place Subduct in Open Trench								
39	616023	264	5	135	190.08	3.60	96.84	0.72	0.72	0.72	Add'l for Backfilling								
39	616024	65,553	13,104	39,329	21,833.68	5,185.72	13,509.70	0.33	0.40	0.34	Bury add'l Copper in same trench								
39	616025	3,512	3,243	3,378	2,583.56	778.32	1,680.94	0.74	0.24	0.50	Bury add'l Pipe in same trench								
39	616026	135	5,707	2,921	64.80	2,739.36	1,402.08	0.48	0.48	0.48	Bury add'l Fiber/Subduct in same trench								
39	616027		0	0		0.00	0.00				Add'l. over 48"								
39	616030	18,206	12,719	15,462	123,455.94	86,270.06	104,863.00	6.78	6.78	6.78	Push Pipe 2" 24"	Push Pipe & Pull Cable	7.04	6.96	7.01	1.49%	2.35%	1.73%	
39	616031	7,781	4,217	5,999	56,276.92	30,384.40	43,330.66	7.23	7.21	7.22	Push Pipe 2" 30"	"							
39	616032	7,041	4,506	5,774	49,313.71	31,190.78	40,252.25	7.00	6.92	6.97	Push Pipe 2" 36"	"							
39	616033	235	42	139	1,739.00	327.36	1,033.18	7.40	7.79	7.46	Push Pipe 2" 42"	"							
39	616034	658	378	518	4,876.10	2,797.20	3,836.65	7.41	7.40	7.41	Push Pipe 2" 48"	"							
39	616035	410	0	205	4,038.50	0.00	2,019.25	9.85		9.85	Push Pipe 4" 24"	"							
39	616036	346	100	223	3,554.82	1,015.40	2,285.11	10.27	10.15	10.25	Push Pipe 4" 30"	"							
39	616037	285	116	201	2,901.95	1,297.56	2,099.76	10.18	11.19	10.47	Push Pipe 4" 36"	"							
39	616038		29	15		290.87	145.44				Push Pipe 4" 42"	"							
39	616039	40	0	20	410.80	0.00	205.40	10.27		10.27	Push Pipe 4" 48"	"							
39	616040		0	0		0.00	0.00												
39	616041		0	0		0.00	0.00				Push Pipe >4" 30"	"							
39	616042		0	0		0.00	0.00				Push Pipe >4" 36"	"							
39	616043		0	0		0.00	0.00				Push Pipe >4" 42"	"							
39	616044		18	9		386.10	193.05				Push Pipe >4" 48"	"							
39	616045		0	0		0.00	0.00				Add'l. over 48"	"							
39	616050	41	0	21	399.75	0.00	199.88	9.75		9.75	Jack & Bore Pipe 2" 24"	Boring	7.81	8.28	7.94	9.63%	9.44%	9.58%	
39	616051	112	1,682	897	1,108.80	16,647.60	8,878.20	9.90	9.90	9.90	Jack & Bore Pipe 2" 30"	"							
39	616052		417	209		4,146.45	2,073.23												
39	616053		50	25		542.00	271.00												
39	616055	20	0	10	197.00	0.00	98.50	9.85		9.85	Jack & Bore Pipe 4" 24"	"							
39	616056		0	0		0.00	0.00				Jack & Bore Pipe 4" 30"	"							
39	616057	80	0	40	993.60	0.00	496.80	12.42		12.42	Jack & bore 2 1/2 -4/minimum cover 36"	"							
39	616058	2	0	1	29.22	0.00	14.61	14.61		14.61	Jack & Bore Pipe 4" 42"	"							
39	616059		0	0		0.00	0.00				Jack & bore 2 1/2 -4/minimum cover 48"	"							
39	616060	2	0	1	27.58	0.00	13.79	13.79		13.79	Jack & Bore Pipe >4" 24"	Conduit Boring	21.56	14.17	21.36	0.09%	0.01%	0.07%	
39	616061	126		63	2,580.48		1,290.24	20.48		20.48	Jack & bore over 4/minimum cover 30"	"							

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Low Density

Co	Item Code	Quantity 2000	Quantity 1999	Average Quantity	Amount 2000	Amount 1999	Average Amount	Unit Cost 2000	Unit Cost 1999	Average Unit Cost	Item Desc	Category	Cost 2000	Cost 1999	Average Cost	Activity 2000	Activity 1999	Average Activity	
39	616064		0	0		0.00	0.00												
39	616065	1,280	0	640	6,246.40	0.00	3,123.20	4.88		4.88	Add'l. over 48"	Add to Boring							
39	616070	30	2	16	204.90	11.82	108.36	6.83	5.91	6.77	Rock Boring 24"	Boring - Hard Rock Additive	17.09	24.46	18.88				
39	616071	2,378	755	1,567	18,966.49	6,628.90	12,797.70	7.98	8.78	8.17	Rock Boring 30"	"							
39	616072	2,579	220	1,400	27,456.37	2,360.60	14,908.49	10.65	10.73	10.65	Rock Boring 36"	"							
39	616073		0	0		0.00	0.00				Rock Boring 42"	"							
39	616074	970	930	950	11,655.10	11,799.00	11,727.05	12.02	12.69	12.34	Rock Boring 48"	"							
39	616079	4,800	2,860	3,830	43,536.00	25,835.80	34,685.90	9.07	9.03	9.06	Add'l. over 48"	Add to Boring - Hard Rock							
39	616081	16,791	3,937	10,364	81,906.68	18,664.94	50,285.81	4.88	4.74	4.85	Place Bore 1-3"	Boring							
39	616082	288	0	144	1,730.88	0.00	865.44	6.01		6.01	Place Bore >3"	"							
39	616083		0	0		0.00	0.00				Bury Steel Pipe 24"								
39	616084	30	0	15	114.00	0.00	57.00	3.80		3.80	Bury Steel Pipe 30"								
39	616085	80		40	312.00		156.00	3.90		3.90	Bury steel pipe 6" & smaller/minimum cover 36"								
39	616086		0	0		0.00	0.00				Bury Steel Pipe 42"								
39	616088		0	0		0.00	0.00				Add'l. for each pipe over 1								
39	616089	440	0	220	523.60	0.00	261.80	1.19		1.19	Add'l. over 48"								
39	616091	50	129	90	109.10	314.76	211.93	2.18	2.44	2.37	Bury Plastic Pipe 24"	Conduit Trenching	2.33	2.67	2.43	0.64%	0.64%	0.64%	
39	616092	14,341	2,241	8,291	31,907.91	5,515.89	18,711.90	2.22	2.46	2.26	Bury Plastic Pipe 30"	"							
39	616093	630	3,701	2,166	1,638.00	9,564.62	5,601.31	2.60	2.58	2.59	Bury Plastic Pipe 36"	"							
39	616094	50	0	25	146.50	0.00	73.25	2.93		2.93	Bury Plastic Pipe 42"	"							
39	616095	110	0	55	367.40	0.00	183.70	3.34		3.34	Bury Plastic Pipe 48"	"							
39	616096	1,264	840	1,052	1,238.72	803.20	1,020.96	0.98	0.96	0.97	Add'l. for each pipe over 1	"							
39	616098	295	0	148	7,363.50	0.00	3,681.75	24.96		24.96									
39	616099	28	39	34	74.80	105.25	90.03	2.67	2.70	2.69									
39	616101	239,603	102,064	170,834	122,596.71	51,217.91	86,907.31	0.51	0.50	0.51	Place cable in Conduit								
39	616102	5,283	6,412	5,848	1,836.92	2,211.86	2,024.39	0.35	0.34	0.35	Place innerduct in Conduit								
39	616103	11,856	12,063	11,960	4,814.19	4,930.14	4,872.17	0.41	0.41	0.41	Add'l. cable/innerduct in same conduit								
39	616105	574	46	310	1,400.56	112.24	756.40	2.44	2.44	2.44	Place subduct								
39	616106		0	0		0.00	0.00				Each add'l subduct								
39	616110	8,642	21,349	14,996	5,640.86	13,687.27	9,664.07	0.65	0.64	0.64	Place fiber in subduct (direct buried)								
39	616112	109	0	55	108.14	0.00	54.07	0.99	#DIV/0!	0.99									
39	616114	12,262	1,718	6,990	6,008.38	1,202.31	3,605.35	0.49	0.70	0.52	Mandrel duct/install pull wire								
39	616117	34,086	10,268	22,177	20,139.54	6,158.76	13,149.15	0.59	0.60	0.59	Place fiber in conduit/innerduct								
39	616119		0	0		0.00	0.00												
39	616121	1,101	0	551	1,342.69	0.00	671.35	1.22	#DIV/0!	1.22									
39	616124	441	270	356	32,745.25	16,907.50	24,826.38	74.25	62.62	69.84									
39	616125	287	177	232	20,750.70	12,124.20	16,437.45	72.30	68.50	70.85									
39	616126	74	55	65	3,588.00	2,698.75	3,143.38	48.49	49.07	48.73									
39	616128	89	25	57	7,910.66	2,303.12	5,106.89	88.88	92.12	89.59									
39	616130	292	297	295	2,558.36	2,601.72	2,580.04	8.76	8.76	8.76									
39	616132	2,260	1,036	1,648	13,236.75	6,214.04	9,725.40	5.86	6.00	5.90									
39	616134	5,729	3,052	4,391	6,964.54	3,695.80	5,330.17	1.22	1.21	1.21									
39	616135	270	117	194	2,155.66	520.43	1,338.05	7.98	4.45	6.91									
39	616137	4,168	1,824	2,996	37,392.08	16,359.58	26,875.83	8.97	8.97	8.97									
39	616138	372	204	288	9,370.58	6,072.22	7,721.40	25.19	29.77	26.81									
39	616139	8	12	10	158.92	236.58	197.75	19.87	19.72	19.78									
39	616141	39	13	26	5,168.33	1,451.97	3,310.15	132.52	111.69	127.31									
39	616143	1,314	680	997	11,810.86	6,018.88	8,914.87	8.99	8.85	8.94									
39	616147	30	12	21	3,483.87	1,451.31	2,467.59	116.13	120.94	117.50									
39	616150	926	472	699	10,714.06	10,143.28	10,428.67	11.57	21.49	14.92									
39	616151	451	51	251	816.03	99.45	457.74	1.81	1.95	1.82	Remove Asphalt	R & R Asphalt Additive	9.00	11.22	9.50	0.01%	0.00%	0.01%	
39	616152	157	51	104	422.11	186.66	304.39	2.69	3.66	2.93	Restore Asphalt	"							
39	616153	843	500	672	2,087.89	1,512.30	1,800.20	2.48	3.03	2.68	Remove Concrete	R & R Concrete Additive	13.38	11.79	13.49	0.02%	0.03%	0.02%	

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Low Density

Co	Item Code	Quantity 2000	Quantity 1999	Average Quantity	Amount 2000	Amount 1999	Average Amount	Unit Cost 2000	Unit Cost 1999	Average Unit Cost	Item Desc	Category	Cost 2000	Cost 1999	Average Cost	Activity 2000	Activity 1999	Average Activity	
39	616154	2,037	250	1,144	8,578.59	717.50	4,648.05	4.21	2.87	4.06	Restore Concrete	"							
39	616156	24	0	12	46.80	0.00	23.40	1.95	#DIV/0!	1.95	Remove Brick	"							
39	616158	24	0	12	421.20	0.00	210.60	17.55	#DIV/0!	17.55	Restore Brick Pavement	"							
39	616159	964	969	967	945.37	937.60	941.49	0.98	0.97	0.97	Restore Gravel	"							
39	616162		60	30		27.10	13.55					"							
39	616163	8,231	12,095	10,163	4,659.37	5,650.95	5,155.16	0.57	0.47	0.51	Remove & Replace Sod	R & R Sod Additive	1.13	0.93	1.01	0.17%	0.64%	0.31%	
39	616164		1,500	750		210.00	105.00				Seed/Mulch/Straw	"							
39	616166	347	639	493	2,059.72	6,932.44	4,496.08	5.94	10.85	9.12		"							
39	616167	116	51	84	707.38	335.24	521.31	6.10	6.57	6.24		"							
39	616168	1	0	1	334.25	0.00	167.13	334.25	#DIV/0!	334.25		"							
39	616169		0	0		0.00	0.00					"							
39	616173	10	20	15	1,039.15	2,293.88	1,666.52	103.92	114.69	111.10		"							
39	616175	90	32	61	25,761.48	8,735.32	17,248.40	286.24	272.98	282.76		"							
39	616177	1		1	2,000.00		2,000.00	2000.00	#DIV/0!	2000.00	Place 5' X 10'6" X 7' Vault	"							
39	616200	156,004	55,509	105,757	1,088,657.19	391,923.28	740,290.24	6.98	7.06	7.00	Directional Bore 2"	Boring							
39	616202	47,561	25,473	36,517	541,644.18	284,945.71	413,294.95	11.39	11.19	11.32	Directional Bore 4"	"							
39	616204	2,054	61	1,058	44,417.75	864.37	22,641.06	21.63	14.17	21.41	Directional Bore 6"	Conduit Boring							
39	616206	265	60	163	1,393.90	292.80	843.35	5.26	4.88	5.19	Add'l. Bore 2"	Boring							
39	616208	269	315	292	1,613.15	3,105.45	2,359.30	6.00	9.86	8.08	Add'l. Bore 4"	"							
39	616210		0	0		0.00	0.00				Additional cable/subduct/conduit - 4 1/4 - 6"	"							
39	616212	15,606	9,208	12,407	338,851.83	197,182.45	268,017.14	21.71	21.41	21.60	Directional Bore stream crossing 4"	"							
39	616214		0	0		0.00	0.00				Directional Bore stream crossing 6"	"							
39	616220	1,994	100	1,047	44,725.42	2,243.00	23,484.21	22.43	22.43	22.43	Directional Bore add'l stream crossing 4"	"							
39	617030	13,598	7,343	10,471	740,728.00	393,861.00	567,294.50	54.47	53.64	54.18	Buried Service Drop - up to 150'	"							
39	617031	2,150,049	1,367,524	1,758,787	725,948.91	458,204.27	592,076.59	0.34	0.34	0.34	Add'l over 150'	"							
39	617032	6,378	797	3,588	1,669.08	221.25	945.17	0.26	0.28	0.26	Place in open trench	"							
39	617033	1,055	376	716	1,235.42	733.72	984.57	1.17	1.95	1.38	Buried Service Bore - sidewalk	"							
39	617035	1,377,415	854,468	1,115,942	409,027.84	261,327.90	335,177.87	0.30	0.31	0.30	Cut-over Service Drop	"							
39	617036	51,913	17,584	34,749	25,525.00	8,680.50	17,102.75	0.49	0.49	0.49	Splice BSW	"							
39	617037	710	766	738	392.24	377.05	384.65	0.55	0.49	0.52		"							
39	617038	2,585	0	1,293	1,526.05	0.00	763.03	0.59	#DIV/0!	0.59		"							
39	617039	135	0	68	102.60	0.00	51.30	0.76	#DIV/0!	0.76		"							
39	617040	55		28	2,379.00		1,189.50	43.25	#DIV/0!	43.25	Slab bore concrete / asphalt slabs	"							
39	617041	2,050		1,025	164.00		82.00	0.08	#DIV/0!	0.08	Remove temporary wire	"							
39	617056	30,979	20,456	25,717	178,358.60	110,771.20	144,564.90	5.76	5.42	5.62		"							
39	617058	15,499	9,198	12,349	198,842.71	117,809.55	158,326.13	12.83	12.81	12.82		"							
39	617060	1,624	1,168	1,396	16,945.65	12,141.16	14,543.41	10.43	10.39	10.42		"							
39	617941	32,222		16,111	2,577.76		1,288.88	0.08	#DIV/0!	0.08	Remove temporary wire	"							
												Total Activity			100.00%	100.00%	100.00%		

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Medium Density**

Co	Item Code	Quantity 2000	Quantity 1999	Average Quantity	Amount 2000	Amount 1999	Average Amount	Unit Cost 2000	Unit Cost 1999	Average Unit Cost	Item Desc	Category	Cost 2000	Cost 1999	Average Cost	Activity 2000	Activity 1999	Average Activity
39	615001	50	45	48	3,338.05	2,509.30	2,923.68	66.76	55.76	61.55	Place Pole 25' To 35'	Pole Placement	79.32	78.76	80.15			
39	615002	25	19	22	2,072.00	1,574.72	1,823.36	82.88	82.88	82.88	Place Pole 40' To 45'	"						
39	615003	1	0	1	191.00	0.00	95.50	191.00	#DIV/0!	191.00	Place pole 50' and above	"						
39	615004	343	329	336	16,344.35	15,419.77	15,882.06	47.65	46.87	47.27								
39	615005	89	65	77	3,329.25	3,304.05	3,316.65	37.41	50.83	43.07								
39	615006	0	0	0	0.00	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!								
39	615010	2	8	5	286.50	1,146.00	716.25	143.25	143.25	143.25	Set Pole in Power	Pole Placement						
39	615011	0	0	0	0.00	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!								
39	615013	3	72	38	11.53	440.75	226.14	3.84	6.12	6.03	Stenciling Pole	Pole Placement						
39	615014	23	10	17	1,681.99	731.30	1,206.65	73.13	73.13	73.13	Addl Chg for Rock Pole/Anchor	Rocky Pole Plcmt	152.45	151.89	153.28			
39	615015	302	199	251	9,481.32	5,776.07	7,628.70	31.40	29.03	30.45	Place Anchor	Anchor & Guy Plcmt	49.80	46.71	48.52			
39	615016	383	299	341	13,157.72	10,945.98	12,051.85	34.35	36.61	35.34		Rocky Anchor Plcmt	122.93	119.84	121.65			
39	615017	657	572	615	12,089.93	10,114.78	11,102.36	18.40	17.68	18.07	Place/Remove Guy	Anchor & Guy Plcmt						
39	615018	24	39	32	119.98	240.61	180.30	5.00	6.17	5.72								
39	615019	308	222	265	5,813.68	4,205.64	5,009.66	18.88	18.94	18.90								
39	615020	6,183	3,467	4,825	103,320.47	61,000.25	82,160.36	16.71	17.59	17.03								
39	615021	13	238	126	365.63	6,961.50	3,663.57	28.13	29.25	29.19								
39	615022	2,112	1,919	2,016	21,994.28	17,613.33	19,803.81	10.41	9.18	9.83								
39	615023	4,702	2,564	3,633	103,708.51	55,931.53	79,820.02	22.06	21.81	21.97								
39	615024	64	114	89	1,602.92	3,177.02	2,389.97	25.05	27.87	26.85								
39	615025	88	128	108	1,611.84	1,663.89	1,637.87	18.32	13.00	15.17								
39	615026	5	9	7	91.09	128.74	109.92	18.22	14.30	15.70								
39	615028	68	93	81	644.94	896.81	770.88	9.48	9.64	9.58								
39	615029	114	55	85	2,034.02	990.69	1,512.36	17.84	18.01	17.90								
39	615030	11	10	11	560.30	692.20	626.25	50.94	69.22	59.64								
39	615032	16	19	18	395.30	1,022.84	709.07	24.71	53.83	40.52								
39	615034	132,718	64,192	98,455	27,425.87	13,332.49	20,379.18	0.21	0.21	0.21	Place Strand	Strand Placement	0.21	0.21	0.21			
39	615035	226,808	111,931	169,370	38,390.70	19,837.05	29,113.88	0.17	0.18	0.17								
39	615036	96	39	68	5,571.83	2,193.16	3,882.50	58.04	56.23	57.52								
39	615037	2	1	1	28.66	14.33	14.33	14.33	14.33	14.33								
39	615038	0	0	0	0.00	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!								
39	615039	5	8	7	88.39	142.51	115.45	17.68	17.81	17.76								
39	615040	6	5	6	117.00	97.50	107.25	19.50	19.50	19.50								
39	615041	22	7	15	404.04	136.50	270.27	18.37	19.50	18.64								
39	615042	117,090	9,997	63,544	17,286.50	1,377.95	9,332.23	0.15	0.14	0.15								
39	615045	133,035	46,897	89,966	43,524.70	15,264.73	29,394.72	0.33	0.33	0.33	Place Cable on Strand Cpr 0-100 pr	Aerial Cable Placement	0.42	0.39	0.41	average	average	average
39	615046	23,478	18,421	20,950	9,156.42	6,778.89	7,967.66	0.39	0.37	0.38	Place Cable on Strand Cpr 101-400 pr	"						
39	615047	898	1,275	1,087	733.20	994.50	863.85	0.82	0.78	0.80	Place Cable on Strand Cpr 401 & over	"						
39	615048	43,796	11,030	27,413	26,801.44	5,122.00	15,961.72	0.61	0.46	0.58	Place Cable on Strand Fiber	"						
39	615049	96,599	22,537	59,568	9,659.90	2,641.92	6,150.91	0.10	0.12	0.10	Place Cable on Strand Backpull	"						
39	615052	300,799	126,644	213,722	62,776.92	26,675.57	44,726.25	0.21	0.21	0.21								
39	615053	15,899	16,521	16,210	3,278.78	5,164.04	4,221.41	0.21	0.31	0.26								
39	615054	8,527	5,620	7,074	2,076.48	1,209.00	1,642.74	0.24	0.22	0.23								
39	615055	0	3	2	0.00	229.20	114.60	#DIV/0!	76.40	76.40								
39	615056	19	36	28	339.74	526.68	433.21	17.88	14.63	15.75								
39	615058	51,491	19,368	35,530	25,137.29	9,487.65	17,312.47	0.49	0.48	0.49	Lash to existing cable	Aerial Cable Placement						
39	615062	234,290	99,047	166,669	89,717.82	35,771.11	62,744.47	0.38	0.36	0.38	Place self-supporting cable	"						
39	615063	82,488	75,469	78,979	15,212.55	10,855.39	13,033.97	0.18	0.14	0.17								
39	615064	40	10	25	6.00	1.50	3.75	0.15	0.15	0.15								
39	615065	32,885	13,085	22,985	26,537.66	10,370.28	18,453.97	0.81	0.79	0.80								
39	615066	1,198	579	889	1,344.88	547.92	946.40	1.12	0.95	1.07								
39	615067	34,905	27,660	31,282	23,668.38	17,500.90	20,584.64	0.68	0.63	0.66								
39	615068	2,973	1,452	2,213	28,508.47	14,091.67	21,300.07	9.59	9.71	9.63								
39	615069	15,633	3,790	9,712	18,424.80	6,874.28	12,649.54	1.18	1.81	1.30								
39	615071	16,356	2,823	9,590	32,240.90	5,524.59	18,882.75	1.97	1.96	1.97								
39	615073	175	7,913	4,044	1,034.25	8,955.39	4,994.82	5.91	1.13	1.24								
39	615077	0	0	0	0.00	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!								
39	616004	457,065	193,695	325,380	596,382.75	256,859.99	426,621.37	1.30	1.33	1.31	Bury Cable any method 24"	Plow(Bur)	1.42	1.43	1.42	66.69%	71.98%	68.32%
39	616005	2,627,699	1,190,395	1,909,047	3,670,933.86	1,667,238.76	2,669,086.31	1.40	1.40	1.40	Bury Cable any method 30"	"						

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Co	Item Code	Quantity 2000	Quantity 1999	Average Quantity	Amount 2000	Amount 1999	Average Amount	Unit Cost 2000	Unit Cost 1999	Average Unit Cost	Item Desc	Category	Cost 2000	Cost 1999	Average Cost	Activity 2000	Activity 1999	Average Activity	
39	616006	315,415	200,217	257,816	472,864.51	298,346.05	385,605.28	1.50	1.49	1.50	Bury Cable any method 36"	"							
39	616007	4,443	7,600	6,022	7,024.19	12,026.68	9,525.44	1.58	1.58	1.58	Bury Cable any method 42"	"							
39	616008	34,299	6,174	20,237	58,280.57	10,356.24	34,318.41	1.70	1.68	1.70	Bury Cable any method 48"	"							
39	616009	37,023	19,280	28,152	48,574.82	28,789.82	38,682.32	1.31	1.49	1.37	Bury Fiber any method 24"	"							
39	616010	452,101	231,678	341,890	648,765.11	342,704.26	495,734.69	1.44	1.48	1.45	Bury Fiber any method 30"	"							
39	616011	148,508	101,469	124,989	269,382.71	152,267.81	210,825.26	1.81	1.50	1.69	Bury Fiber any method 36"	"							
39	616012	75,487	27,665	51,576	120,343.34	44,305.54	82,324.44	1.59	1.60	1.60	Bury Fiber any method 42"	"							
39	616013	44,594	41,623	43,109	70,458.52	65,939.84	68,199.18	1.58	1.58	1.58	Bury Fiber any method 48"	"							
39	616014	6,208	7,890	7,049	2,938.28	2,193.76	2,566.02	0.47	0.28	0.36	Add'l. over 48"	Add to Plow							
39	616015	306,536	69,697	188,117	1,065,804.93	240,545.13	653,175.03	3.48	3.45	3.47	Add'l. for Rock	Plow - Hard Rock	4.90		4.88	4.90			
39	616018	18,389	15,180	16,785	41,256.72	29,436.80	35,346.76	2.24	1.94	2.11									
39	616019	97,581	44,177	70,879	55,908.64	33,296.66	44,602.65	0.57	0.75	0.63	Pre-Rip Plow Line	Rocky Plow	1.99		2.18	2.05	2.33%	2.19%	2.28%
39	616020	205,978	89,476	147,727	225,851.74	105,620.86	165,736.30	1.10	1.18	1.12	Place Cable in Open Trench					of above	of above	of above	
39	616021	152,748	78,315	115,532	209,417.42	105,163.30	157,290.36	1.37	1.34	1.36	Place Pipe in Open Trench								
39	616022	21	1,491	756	28.36	2,036.27	1,032.32	1.35	1.37	1.37	Place Subduct in Open Trench								
39	616023	1,370	2,142	1,756	1,030.60	1,874.66	1,452.63	0.75	0.88	0.83	Add'l for Backfilling								
39	616024	609,759	221,086	415,423	205,101.98	72,554.48	138,828.23	0.34	0.33	0.33	Bury add'l Copper in same trench								
39	616025	212,540	65,045	138,793	147,164.10	41,093.00	94,128.55	0.69	0.63	0.68	Bury add'l Pipe in same trench								
39	616026	138,304	98,980	118,642	63,755.41	43,229.98	53,492.70	0.46	0.44	0.45	Bury add'l Fiber/Subduct in same trench								
39	616027	3,250	612	1,931	789.24	146.88	468.06	0.24	0.24	0.24	Add'l. over 48"								
39	616030	151,350	84,289	117,819	1,019,721.84	567,903.34	793,812.59	6.74	6.74	6.74	Push Pipe 2" 24"	Push Pipe & Pull Cable	7.09		7.07	7.08	4.41%	5.61%	4.78%
39	616031	52,608	29,411	41,009	378,050.28	212,216.91	295,133.60	7.19	7.22	7.22	Push Pipe 2" 30"	"							
39	616032	36,123	25,869	30,996	242,524.00	175,128.15	208,826.08	6.71	6.77	6.74	Push Pipe 2" 36"	"							
39	616033	4,821	1,776	3,299	35,696.56	13,266.83	24,481.70	7.40	7.47	7.42	Push Pipe 2" 42"	"							
39	616034	22,180	10,863	16,521	164,412.15	80,721.31	122,566.73	7.41	7.43	7.42	Push Pipe 2" 48"	"							
39	616035	720	39	380	7,369.00	488.86	3,928.93	10.23	12.53	10.35	Push Pipe 4" 24"	"							
39	616036	2,893	3,349	3,121	34,568.69	42,116.45	38,342.57	11.95	12.58	12.29	Push Pipe 4" 30"	"							
39	616037	4,416	835	2,626	46,733.83	9,312.45	28,023.14	10.58	11.15	10.67	Push Pipe 4" 36"	"							
39	616038	295	215	255	2,958.85	2,156.45	2,557.65	10.03	10.03	10.03	Push Pipe 4" 42"	"							
39	616039	2,005	90	1,048	20,683.35	940.30	10,811.83	10.32	10.45	10.32	Push Pipe 4" 48"	"							
39	616040	60	30	30	573.00	286.50	429.75	9.55	9.55	9.55		"							
39	616041	20	90	55	210.20	945.90	578.05	10.31	10.51	10.51	Push Pipe >4" 30"	"							
39	616042	50	610	330	829.00	6,586.00	3,707.50	16.38	10.80	11.23	Push Pipe >4" 36"	"							
39	616043	2	0	1	39.00	0.00	19.50	19.50	#DIV/0!	19.50	Push Pipe >4" 42"	"							
39	616044	19	40	30	407.55	458.40	432.98	21.45	11.46	14.68	Push Pipe >4" 48"	"							
39	616045	2,975	182	1,579	12,792.50	791.96	6,792.23	4.30	4.35	4.30	Add'l. over 48"	"							
39	616050	65	132	99	620.75	1,287.00	953.88	9.55	9.75	9.68	Jack & Bore Pipe 2" 24"	Boring	9.46		9.67	9.51	22.42%	16.57%	20.62%
39	616051	100	6,428	3,264	985.00	63,632.25	32,308.63	9.85	9.90	9.90	Jack & Bore Pipe 2" 30"	"							
39	616052	414	207	310	4,215.96	2,107.98	3,161.97	10.18	10.18	10.18		"							
39	616053	0	0	0	0.00	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!		"							
39	616055	0	22	11	0.00	210.10	105.05	#DIV/0!	9.55	9.55	Jack & Bore Pipe 4" 24"	"							
39	616056	51	226	139	494.85	3,079.70	1,787.28	9.70	13.63	12.90	Jack & Bore Pipe 4" 30"	"							
39	616057	0	0	0	0.00	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	Jack & bore 2 1/2 -4/minimum cover 36"	"							
39	616058	1	10	6	12.89	139.63	76.26	12.89	13.96	13.87	Jack & Bore Pipe 4" 42"	"							
39	616059	55	0	28	1,019.15	0.00	509.58	18.53	#DIV/0!	18.53	Jack & bore 2 1/2 -4/minimum cover 48"	"							
39	616060	-8	6	-1	-157.72	106.02	-25.85	19.72	17.67	25.85	Jack & Bore Pipe >4" 24"	Conduit Boring	15.11		15.08	15.10	0.13%	0.08%	0.12%
39	616061	0	0	0	0.00	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	Jack & bore over 4/minimum cover 30"	"							
39	616064	0	0	0	0.00	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!		"							
39	616065	17,639	20	8,830	86,078.42	98.60	43,088.51	4.88	4.93	4.88	Add'l. over 48"	Add to Boring							
39	616070	53,730	2,489	28,110	366,975.90	16,999.87	191,987.89	6.83	6.83	6.83	Rock Boring 24"	Boring - Hard Rock Additive	9.30		16.81	10.68			
39	616071	2,859	10,565	6,712	24,673.57	92,547.31	58,610.44	8.63	8.76	8.73	Rock Boring 30"	"							
39	616072	4,727	1,812	3,269	43,845.46	19,228.82	31,337.14	9.28	10.61	9.65	Rock Boring 36"	"							
39	616073	4,982	50	2,516	49,015.10	477.50	24,746.30	9.84	9.55	9.84	Rock Boring 42"	"							
39	616074	13,813	3,037	8,425	183,498.48	37,657.02	110,577.75	13.28	12.40	13.12	Rock Boring 48"	"							
39	616079	8,605	14,889	11,747	77,394.85	134,921.43	106,158.14	8.99	9.06	9.04	Add'l. over 48"	Add to Boring - Hard Rock							
39	616081	164,939	32,960	98,950	669,765.66	131,496.93	400,631.30	4.06	3.99	4.05	Place Bore 1-3"	Boring							
39	616082	2,218	227	1,223	14,661.22	1,691.67	8,176.45	6.61	7.45	6.69	Place Bore >3"	"							
39	616083	1,155	42	599	2,214.45	155.82	1,183.14	1.92	3.71	1.98	Bury Steel Pipe 24"	"							
39	616084	262	92	177	852.80	349.60	601.20	3.25	3.80	3.40	Bury Steel Pipe 30"	"							

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Co	Item Code	Quantity 2000	Quantity 1999	Average Quantity	Amount 2000	Amount 1999	Average Amount	Unit Cost 2000	Unit Cost 1999	Average Unit Cost	Item Desc	Category	Cost 2000	Cost 1999	Average Cost	Activity 2000	Activity 1999	Average Activity	
39	616085	430	0	215	1,623.00	0.00	811.50	3.77	#DIV/0!	3.77	Bury steel pipe 6" & smaller/minimum cover 36"								
39	616086	114	520	317	625.86	2,854.80	1,740.33	5.49	5.49	5.49	Bury Steel Pipe 42"								
39	616088	3,581	4,425	4,003	4,185.99	4,387.95	4,286.97	1.17	0.99	1.07	Add'l. for each pipe over 1								
39	616089	3,066	15,976	9,521	3,658.70	19,011.44	11,335.07	1.19	1.19	1.19	Add'l. over 48"								
39	616091	46,714	10,615	28,665	111,632.13	24,707.28	68,169.71	2.39	2.33	2.38	Bury Plastic Pipe 24"	Conduit Trenching	2.63	2.81	2.68	5.55%	4.86%	5.34%	
39	616092	148,243	71,585	109,914	336,537.62	164,270.38	250,404.00	2.27	2.29	2.28	Bury Plastic Pipe 30"	"							
39	616093	116,170	45,611	80,891	271,938.06	109,344.67	190,641.37	2.34	2.40	2.36	Bury Plastic Pipe 36"	"							
39	616094	14,120	905	7,513	35,234.91	2,214.15	18,724.53	2.50	2.45	2.49	Bury Plastic Pipe 42"	"							
39	616095	24,312	7,615	15,964	79,683.32	25,950.18	52,816.75	3.28	3.41	3.31	Bury Plastic Pipe 48"	"							
39	616096	142,678	79,563	111,121	83,022.23	56,565.82	69,794.03	0.58	0.71	0.63	Add'l. for each pipe over 1	"							
39	616098	81	280	181	2,876.10	14,440.00	8,658.05	35.51	51.57	47.97									
39	616099	2,383	256	1,320	6,931.23	688.90	3,810.07	2.91	2.69	2.89									
39	616101	2,150,970	1,090,219	1,620,595	1,089,648.05	551,872.89	820,760.47	0.51	0.51	0.51	Place cable in Conduit								
39	616102	220,002	160,916	190,459	75,403.15	54,944.89	65,174.02	0.34	0.34	0.34	Place innerduct in Conduit								
39	616103	331,846	269,610	300,728	111,351.38	89,582.10	100,466.74	0.34	0.33	0.33	Add'l. cable/innerduct in same conduit								
39	616105	11,035	2,636	6,836	20,109.24	4,103.02	12,106.13	1.82	1.56	1.77	Place subduct								
39	616106	4,278	4,089	4,184	1,019.60	902.53	961.07	0.24	0.22	0.23	Each add'l subduct								
39	616110	400,491	170,380	285,436	266,038.91	114,302.82	190,170.87	0.66	0.67	0.67	Place fiber in subduct (direct buried)								
39	616112	46,335	34,715	40,525	45,392.16	34,382.60	39,887.38	0.98	0.99	0.98									
39	616114	147,319	121,115	134,217	74,892.01	62,363.53	68,627.77	0.51	0.51	0.51	Mandrel duct/install pull wire								
39	616117	640,788	498,845	569,817	386,227.60	299,115.39	342,671.50	0.60	0.60	0.60	Place fiber in conduit/innerduct								
39	616119	11,544	16,294	13,919	10,573.64	15,220.56	12,897.10	0.92	0.93	0.93									
39	616121	142	8,785	4,464	172.73	8,291.61	4,232.17	1.22	0.94	0.95									
39	616124	2,138	2,344	2,241	160,621.00	194,944.67	177,782.84	75.13	83.16	79.33									
39	616125	2,148	1,386	1,767	136,768.95	101,272.05	119,020.50	63.67	73.07	67.36									
39	616126	447	279	363	21,693.25	13,551.50	17,622.38	48.53	48.57	48.55									
39	616128	54	44	49	4,816.26	3,919.69	4,367.98	89.19	89.08	89.14									
39	616130	1,015	1,117	1,066	8,815.31	9,776.88	9,296.10	8.69	8.75	8.72									
39	616132	7,502	5,786	6,644	45,533.80	33,222.76	39,378.28	6.07	5.74	5.93									
39	616134	23,219	8,486	15,852	24,739.67	9,801.66	17,270.67	1.07	1.16	1.09									
39	616135	1,113	740	927	5,282.35	4,087.60	4,684.98	4.75	5.52	5.06									
39	616137	20,195	9,594	14,895	178,969.55	85,254.34	132,111.95	8.86	8.89	8.87									
39	616138	3,157	1,699	2,428	78,727.83	41,999.07	60,363.45	24.94	24.72	24.86									
39	616139	385	229	307	7,546.28	4,517.26	6,031.77	19.60	19.73	19.65									
39	616141	247	160	204	36,387.70	25,672.12	31,029.91	147.32	160.45	152.48									
39	616143	3,870	2,081	2,976	33,791.22	18,333.45	26,062.34	8.73	8.81	8.76									
39	616147	204	121	163	23,565.81	13,893.58	18,729.70	115.52	114.82	115.26									
39	616150	11,186	8,384	9,785	177,287.73	123,907.22	150,597.48	15.85	14.78	15.39									
39	616151	15,316	8,720	12,018	24,943.11	14,443.54	19,693.33	1.63	1.66	1.64	Remove Asphalt	R & R Asphalt Additive	9.84	9.39	9.51	0.12%	0.16%	0.13%	
39	616152	2,744	6,502	4,623	9,033.80	19,761.89	14,397.85	3.29	3.04	3.11	Restore Asphalt	"							
39	616153	17,216	6,905	12,060	44,073.19	17,786.25	30,929.72	2.56	2.58	2.56	Remove Concrete	R & R Concrete Additive	13.44	11.76	12.81	0.14%	0.12%	0.13%	
39	616154	6,629	3,965	5,297	27,578.03	13,108.47	20,343.25	4.16	3.31	3.84	Restore Concrete	"							
39	616156	1,033	260	647	2,014.47	508.32	1,261.40	1.95	1.96	1.95	Remove Brick								
39	616158	1,041	278	660	18,350.43	5,768.58	12,059.51	17.63	20.75	18.29	Restore Brick Pavement								
39	616159	33,468	9,411	21,439	32,575.59	9,123.23	20,849.41	0.97	0.97	0.97	Restore Gravel								
39	616162		7,025	3,513		1,836.88	918.44		0.26	0.26									
39	616163	66,950	34,700	50,825	33,522.57	16,788.43	25,155.50	0.50	0.48	0.49	Remove & Replace Sod	R & R Sod Additive	1.00	0.97	0.99	0.53%	0.62%	0.56%	
39	616164	11,808	1,527	6,668	1,944.00	213.98	1,078.99	0.16	0.14	0.16	Seed/Mulch/Straw								
39	616166	996	1,889	1,443	6,012.64	17,275.12	11,643.88	6.04	9.15	8.07									
39	616167	256	414	335	1,719.76	2,747.31	2,233.54	6.72	6.64	6.67									
39	616168	70	59	65	21,869.00	14,670.25	18,269.63	312.41	248.65	283.25									
39	616169	47	95	71	7,119.00	9,449.50	8,284.25	151.47	99.47	116.68									
39	616173	435	339	387	45,573.51	40,478.37	43,025.94	104.77	119.41	111.18									
39	616175	1,072	615	844	270,323.00	159,116.12	214,719.56	252.17	258.73	255.46									
39	616177	1	0	1	2,000.00	0.00	1,000.00	2000.00	#DIV/0!	2000.00	Place 5' X 10 6" X 7' Vault								
39	616200	728,266	254,734	491,500	4,997,018.68	1,704,706.49	3,350,862.59	6.86	6.69	6.82	Directional Bore 2"	Boring							
39	616202	435,026	151,940	293,483	4,976,063.93	1,713,229.01	3,344,646.47	11.44	11.28	11.40	Directional Bore 4"	"							
39	616204	8,481	2,144	3,313	128,116.12	32,325.08	80,220.60	15.11	15.08	15.10	Directional Bore 6"	Conduit Boring							
39	616206	111,345	51,255	81,300	611,459.54	256,485.40	433,972.47	5.49	5.00	5.34	Add'l. Bore 2"	Boring							

Florida 1999-2000 Netcap Data
Medium Density

Co	Item Code	Quantity 2000	Quantity 1999	Average Quantity	Amount 2000	Amount 1999	Average Amount	Unit Cost 2000	Unit Cost 1999	Average Unit Cost	Item Desc	Category	Cost 2000	Cost 1999	Average Cost	Activity 2000	Activity 1999	Average Activity				
39	616208	132,551	58,823	95,687	994,813.18	378,606.59	686,709.89	7.51	6.44	7.18	Add'l. Bore 4"	"										
39	616210	292	0	146	2,650.96	0.00	1,325.48	9.08	#DIV/0!	9.08	Additional cable/subduct/conduit - 4 1/4 - 6"											
39	616212	13,218	7,157	10,188	279,758.41	142,806.27	211,282.34	21.16	19.95	20.74	Directional Bore stream crossing 4"											
39	616214	535	520	528	19,632.60	22,817.60	21,225.10	36.70	43.88	40.24	Directional Bore stream crossing 6"											
39	616220	3,016	2,480	2,748	53,108.63	32,530.30	42,819.47	17.61	13.12	15.58	Directional Bore add'l stream crossing 4"											
39	617030	79,653	44,089	61,871	4,071,144.00	2,230,899.00	3,151,021.50	51.11	50.60	50.93	Buried Service Drop - up to 150'											
39	617031	3,833,332	2,182,592	3,007,962	1,168,663.94	652,365.71	910,514.83	0.30	0.30	0.30	Add'l over 150'											
39	617032	34,796	35,177	34,987	11,157.62	11,793.71	11,475.67	0.32	0.34	0.33	Place in open trench											
39	617033	6,903	3,970	5,437	7,344.98	4,793.07	6,069.03	1.06	1.21	1.12	Buried Service Bore - sidewalk											
39	617035	1,173,147	709,709	942,428	360,259.07	215,317.11	287,788.09	0.31	0.30	0.31	Cut-over Service Drop											
39	617036	707,411	229,645	468,528	341,096.25	112,646.00	226,871.13	0.48	0.49	0.48	Splice BSW											
39	617037	26,557	28,360	27,459	14,768.67	15,777.43	15,273.05	0.56	0.56	0.56												
39	617038	1,683	13	848	1,014.03	8.39	511.21	0.60	0.65	0.60												
39	617039	441	292	367	327.38	191.76	259.57	0.74	0.66	0.71												
39	617040	460	0	230	19,628.00	0.00	9,814.00	42.67	#DIV/0!	42.67	Slab bore concrete / asphalt slabs											
39	617041	0	0	0	0.00	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	Remove temporary wire											
39	617056	306,554	106,337	206,445	1,718,364.16	591,019.14	1,154,691.65	5.61	5.56	5.59												
39	617058	82,895	49,496	66,196	1,055,382.46	629,624.54	842,503.50	12.73	12.72	12.73												
39	617060	7,379	4,828	6,104	75,441.01	53,337.55	64,389.28	10.22	11.05	10.55												
39	617941	30,082	0	15,041	2,406.56	0.00	1,203.28	0.08	#DIV/0!	0.08	Remove temporary wire											
													6,292,740	2,806,019	4,549,379				Total Activity	100.00%	100.00%	100.00%

Florida 1999-2000 Netcap Data
High Density

Co	Item Code	Quantity 2000	Quantity 1999	Average Quantity	Amount 2000	Amount 1999	Average Amount	Unit Cost 2000	Unit Cost 1999	Average Unit Cost	Item Desc	Category	Cost 2000	Cost 1999	Average Cost	Activity 2000	Activity 1999	Average Activity
39	615001	28	32	30	1,630.14	1,858.76	1,744.45	58.22	58.09	58.15	Place Pole 25' To 35'	Pole Placement	86.48	59.91	74.75			
39	615002	1	2	2	82.88	178.18	130.53	82.88	89.09	87.02	Place Pole 40' To 45'	"						
39	615003			0			0.00				Place pole 50' and above	"						
39	615004	94	49	72	5,223.53	1,613.66	3,418.60	55.57	32.93	47.81								
39	615005	-16	26	5	-111.30	1,014.00	451.35	6.96	39.00	90.27								
39	615006		0	0		0.00	0.00											
39	615010	14	0	7	2,005.50	0.00	1,002.75	143.25		143.25	Set Pole in Power	Pole Placement						
39	615011		2	1		95.50	47.75			47.75								
39	615013		0	0		0.00	0.00				Stenciling Pole	Pole Placement						
39	615014		0	0		0.00	0.00				Addl Chg for Rock Pole/Anchor	Rocky Pole Plcmt	86.48	59.91	74.75			
39	615015	51	14	33	1,525.39	430.32	977.86	29.91	30.74	30.09	Place Anchor	Anchor & Guy Plcmt	49.33	44.54	47.78			
39	615016	115	49	82	3,498.20	990.36	2,244.28	30.42	20.21	27.37		Rocky Anchor Plcmt	49.33	44.54	47.78			
39	615017	176	78	127	3,417.24	1,076.42	2,246.83	19.42	13.80	17.69	Place/Remove Guy	Anchor & Guy Plcmt						
39	615018	1	21	11	3.34	117.76	60.55	3.34	5.61	5.50								
39	615019	29	17	23	568.76	251.26	410.01	19.61	14.78	17.83								
39	615020	664	369	517	14,936.15	8,608.55	11,772.35	22.49	23.33	22.79								
39	615021	3	2	3	87.75	58.50	73.13	29.25	29.25	29.25								
39	615022	811	415	613	7,377.78	5,354.12	6,365.95	9.10	12.90	10.38								
39	615023	899	616	758	36,148.79	23,723.28	29,936.04	40.21	38.51	39.52								
39	615024	15	33	24	437.91	1,014.09	726.00	29.19	30.73	30.25								
39	615025	100	32	66	1,979.13	484.17	1,231.65	19.79	15.13	18.66								
39	615026		8	4		161.97	80.99			20.25								
39	615028	24	36	30	228.39	332.30	280.35	9.52	9.23	9.34								
39	615029	18	7	13	356.44	157.53	256.99	19.80	22.50	20.56								
39	615030	10	3	7	197.00	59.10	128.05	19.70	19.70	19.70								
39	615032	3	0	2	44.34	0.00	22.17	14.78		14.78								
39	615034	20,257	7,060	13,659	4,039.60	1,232.32	2,635.96	0.20	0.17	0.19	Place Strand	Strand Placement	0.20	0.17	0.19			
39	615035	51,403	20,350	35,877	8,199.55	5,055.50	6,627.53	0.16	0.25	0.18								
39	615036	13	59	36	732.75	2,905.75	1,819.25	56.37	49.25	50.53								
39	615037		0	0		0.00	0.00											
39	615038		2	1		39.40	19.70			19.70								
39	615039		0	0		0.00	0.00											
39	615040	6	0	3	59.10	0.00	29.55	9.85		9.85								
39	615041	8	1	5	137.12	19.50	78.31	17.14	19.50	17.40								
39	615042	11,200	2,530	6,865	1,680.00	379.50	1,029.75	0.15	0.15	0.15								
39	615045	23,109	19,690	21,400	7,699.46	6,664.66	7,182.06	0.33	0.34	0.34	Place Cable on Strand Cpr 0-100 pr	Aerial Cable Placement	0.41	0.41	0.41	average	average	average
39	615046	676	3,068	1,872	331.24	1,369.07	850.16	0.49	0.45	0.45	Place Cable on Strand Cpr 101-400 pr	"						
39	615047	150	818	484	117.00	759.84	438.42	0.78	0.93	0.91	Place Cable on Strand Cpr 401 & over	"						
39	615048	12,240	3,352	7,796	7,221.60	2,204.20	4,712.90	0.59	0.66	0.60	Place Cable on Strand Fiber	"						
39	615049	12,256	3,308	7,782	1,225.60	330.80	778.20	0.10	0.10	0.10	Place Cable on Strand Backpull	"						
39	615052	76,448	24,438	50,443	15,645.88	7,146.00	11,395.94	0.20	0.29	0.23								
39	615053	260	11,012	5,636	52.00	3,744.08	1,898.04	0.20	0.34	0.34								
39	615054	28	0	14	6.72	0.00	3.36	0.24		0.24								
39	615055	6	0	3	117.00	0.00	58.50	19.50		19.50								
39	615056		0	0		0.00	0.00											
39	615058	14,858	3,131	8,995	7,253.82	1,534.19	4,394.01	0.49	0.49	0.49	Lash to existing cable	Aerial Cable Placement						
39	615062	143,060	10,056	76,558	55,791.00	3,627.13	29,709.07	0.39	0.36	0.39	Place self-supporting cable	"						
39	615063	2,045	7,325	4,685	636.01	2,075.73	1,355.87	0.31	0.28	0.29								
39	615064		70	35		17.50	8.75			0.25								
39	615065	9,057	5,902	7,480	7,310.24	4,260.24	5,785.24	0.81	0.72	0.77								

Florida 1999-2000 Netcap Data
High Density

Co	Item Code	Quantity 2000	Quantity 1999	Average Quantity	Amount 2000	Amount 1999	Average Amount	Unit Cost 2000	Unit Cost 1999	Average Unit Cost	Item Desc	Category	Cost 2000	Cost 1999	Average Cost	Activity 2000	Activity 1999	Average Activity	
39	615066	480	618	549	609.01	773.38	691.20	1.27	1.25	1.26									
39	615067	5,455	6,414	5,935	3,457.34	3,222.62	3,339.98	0.63	0.50	0.56									
39	615068	895	376	636	8,347.37	3,769.58	6,058.48	9.33	10.03	9.53									
39	615069	3,440	1,972	2,706	3,744.15	3,360.36	3,552.26	1.09	1.70	1.31									
39	615071	3,571	980	2,276	6,983.19	1,911.44	4,447.32	1.96	1.95	1.95									
39	615073	468	0	234	2,765.88	0.00	1,382.94	5.91		5.91									
39	615077		0	0		0.00	0.00												
39	616004	144,031	32,481	88,256	181,431.87	42,169.58	111,800.73	1.26	1.30	1.27	Bury Cable any method 24"	Plow(Bur)	1.39	1.43	1.40	35.64%	39.35%	36.66%	
39	616005	268,704	119,796	194,250	390,860.05	172,801.14	281,830.60	1.45	1.44	1.45	Bury Cable any method 30"	"							
39	616006	4,257	12,640	8,449	6,546.16	18,735.21	12,640.69	1.54	1.48	1.50	Bury Cable any method 36"	"							
39	616007	8	455	232	13.36	762.97	388.17	1.67	1.68	1.68	Bury Cable any method 42"	"							
39	616008	759	2,401	1,580	1,340.31	5,344.30	3,342.31	1.77	2.23	2.12	Bury Cable any method 48"	"							
39	616009	2,390	10,477	6,434	3,090.40	13,305.79	8,198.10	1.29	1.27	1.27	Bury Fiber any method 24"	"							
39	616010	27,706	10,492	19,099	37,489.50	16,362.04	26,925.77	1.35	1.56	1.41	Bury Fiber any method 30"	"							
39	616011	3,762	466	2,114	7,335.90	908.70	4,122.30	1.95	1.95	1.95	Bury Fiber any method 36"	"							
39	616012		0	0		0.00	0.00				Bury Fiber any method 42"	"							
39	616013		0	0		0.00	0.00				Bury Fiber any method 48"	"							
39	616014	1,070	0	535	256.80	0.00	128.40	0.24		0.24	Add'l. over 48"	Add to Plow							
39	616015	40,579	11,069	25,824	138,374.39	37,745.29	88,059.84	3.41	3.41	3.41	Add'l. for Rock	Plow - Hard Rock	4.80	4.84	4.81				
39	616018	2,677	7,873	5,275	6,626.86	18,713.29	12,670.08	2.48	2.38	2.40									
39	616019	5,083	8,261	6,672	2,711.21	6,058.11	4,384.66	0.53	0.73	0.66	Pre-Rip Plow Line	Rocky Plow	1.92	2.16	2.06	1.13%	4.37%	2.08%	
39	616020	1,971	688	1,330	1,956.89	503.52	1,230.21	0.99	0.73	0.93	Place Cable in Open Trench					of above	of above	of above	
39	616021	20,055	8,045	14,050	28,995.50	11,736.80	20,366.15	1.45	1.46	1.45	Place Pipe in Open Trench								
39	616022		4	2		2.28	1.14		0.57		Place Subduct in Open Trench								
39	616023	32	359	196	31.68	384.12	207.90	0.99	1.07	1.06	Add'l for Backfilling								
39	616024	41,216	18,414	29,815	15,590.15	6,279.04	10,934.60	0.38	0.34	0.37	Bury add'l Copper in same trench								
39	616025	5,016	11,149	8,083	4,477.68	8,670.24	6,573.96	0.89	0.78	0.81	Bury add'l Pipe in same trench								
39	616026	10,443	3,538	6,991	5,076.28	1,133.76	3,105.02	0.49	0.32	0.44	Bury add'l Fiber/Subduct in same trench								
39	616027		166	83		39.84	19.92		0.24		Add'l. over 48"								
39	616030	29,656	12,066	20,861	201,316.45	81,635.60	141,476.03	6.79	6.77	6.78	Push Pipe 2" 24"	Push Pipe & Pull Cable	7.03	7.24	7.09	2.64%	3.18%	2.78%	
39	616031	2,623	1,685	2,154	19,304.92	12,368.60	15,836.76	7.36	7.34	7.35	Push Pipe 2" 30"	"							
39	616032	400	489	445	2,931.80	3,567.50	3,249.65	7.33	7.30	7.31	Push Pipe 2" 36"	"							
39	616033	120	0	60	915.60	0.00	457.80	7.63		7.63	Push Pipe 2" 42"	"							
39	616034	35	10	23	267.05	97.50	182.28	7.63	9.75	8.10	Push Pipe 2" 48"	"							
39	616035	182	0	91	2,307.76	0.00	1,153.88	12.68		12.68	Push Pipe 4" 24"	"							
39	616036	6	721	364	62.04	9,041.84	4,551.94	10.34	12.54	12.52	Push Pipe 4" 30"	"							
39	616037	40	254	147	536.40	3,148.26	1,842.33	13.41	12.39	12.53	Push Pipe 4" 36"	"							
39	616038		40	20		413.60	206.80		10.34		Push Pipe 4" 42"	"							
39	616039		0	0		0.00	0.00				Push Pipe 4" 48"	"							
39	616040		0	0		0.00	0.00												
39	616041		9	5		97.56	48.78		10.84		Push Pipe >4" 30"	"							
39	616042		0	0		0.00	0.00				Push Pipe >4" 36"	"							
39	616043		0	0		0.00	0.00				Push Pipe >4" 42"	"							
39	616044	335	0	168	7,089.45	0.00	3,544.73	21.16		21.16	Push Pipe >4" 48"	"							
39	616045		65	33		287.95	143.98		4.43		Add'l. over 48"	"							
39	616050	202	0	101	1,969.50	0.00	984.75	9.75		9.75	Jack & Bore Pipe 2" 24"	Boring	7.94	9.06	8.23	56.13%	50.81%	54.67%	
39	616051	107	745	426	1,058.45	7,375.50	4,216.98	9.89	9.90	9.90	Jack & Bore Pipe 2" 30"	"							
39	616052		0	0		0.00	0.00												
39	616053		0	0		0.00	0.00												
39	616055		0	0		0.00	0.00				Jack & Bore Pipe 4" 24"	"							

**Florida 1999-2000 Netcap Data
High Density**

Co	Item Code	Quantity 2000	Quantity 1999	Average Quantity	Amount 2000	Amount 1999	Average Amount	Unit Cost 2000	Unit Cost 1999	Average Unit Cost	Item Desc	Category	Cost 2000	Cost 1999	Average Cost	Activity 2000	Activity 1999	Average Activity		
39	616056	100	166	133	1,345.00	2,235.10	1,790.05	13.45	13.46	13.46	Jack & Bore Pipe 4" 30"	"								
39	616057			0			0.00				Jack & bore 2 1/2 -4/minimum cover 36"	"								
39	616058		0	0		0.00	0.00				Jack & Bore Pipe 4" 42"	"								
39	616059			0			0.00				Jack & bore 2 1/2 -4/minimum cover 48"	"								
39	616060		0	0		0.00	0.00				Jack & Bore Pipe >4" 24"	Conduit Boring	14.86	22.23	15.03	0.66%	0.04%	0.49%		
39	616061			0			0.00				Jack & bore over 4/minimum cover 30"	"								
39	616064		10	5		282.80	141.40		28.28											
39	616065	8,129	0	4,065	39,669.52	0.00	19,834.76	4.88		4.88	Add'l. over 48"	Add to Boring								
39	616070	26,465	492	13,479	180,755.95	3,360.36	92,058.16	6.83	6.83	6.83	Rock Boring 24"	Boring - Hard Rock Additive	7.52	11.80	8.00					
39	616071		2,160	1,080		18,964.80	9,482.40		8.78		Rock Boring 30"	"								
39	616072	910	70	490	9,764.30	751.10	5,257.70	10.73	10.73	10.73	Rock Boring 36"	"								
39	616073			0		0.00	0.00				Rock Boring 42"	"								
39	616074	2,160	1,930	2,045	31,600.80	28,235.90	29,918.35	14.63	14.63	14.63	Rock Boring 48"	"								
39	616079		410	205		3,599.80	1,799.90		8.78		Add'l. over 48"	Add to Boring - Hard Rock								
39	616081	7,088	3,534	5,311	33,309.07	14,256.42	23,782.75	4.70	4.03	4.48	Place Bore 1-3"	Boring								
39	616082	384	0	192	2,351.52	0.00	1,175.76	6.12		6.12	Place Bore >3"	"								
39	616083	130	0	65	482.30	0.00	241.15	3.71		3.71	Bury Steel Pipe 24"	"								
39	616084		500	250		1,900.00	950.00		3.80		Bury Steel Pipe 30"	"								
39	616085	30		15	117.00		58.50	3.90		3.90	Bury steel pipe 6" & smaller/minimum cover 36"	"								
39	616086		0	0		0.00	0.00				Bury Steel Pipe 42"	"								
39	616088		255	128		332.20	166.10		1.30		Add'l. for each pipe over 1	"								
39	616089	300	0	150	360.20	0.00	180.10	1.20		1.20	Add'l. over 48"	"								
39	616091	4,749	4,498	4,624	11,417.36	10,975.12	11,196.24	2.40	2.44	2.42	Bury Plastic Pipe 24"	Conduit Trenching	2.54	2.39	2.49	3.75%	4.90%	4.07%		
39	616092	25,736	16,910	21,323	57,254.34	38,318.81	47,786.58	2.22	2.27	2.24	Bury Plastic Pipe 30"	"								
39	616093	14,592	1,741	8,167	34,651.69	4,072.28	19,361.99	2.37	2.34	2.37	Bury Plastic Pipe 36"	"								
39	616094	128	53	91	321.28	133.03	227.16	2.51	2.51	2.51	Bury Plastic Pipe 42"	"								
39	616095	2,293	365	1,329	7,791.62	1,160.45	4,476.04	3.40	3.18	3.37	Bury Plastic Pipe 48"	"								
39	616096	14,364	3,196	8,780	9,261.78	1,714.80	5,488.29	0.64	0.54	0.63	Add'l. for each pipe over 1	"								
39	616098		0	0		0.00	0.00					"								
39	616099	34	134	84	91.16	377.42	234.29	2.68	2.82	2.79		"								
39	616101	521,123	251,059	386,091	270,945.30	130,348.15	200,646.73	0.52	0.52	0.52	Place cable in Conduit	"								
39	616102	79,409	41,466	60,438	26,706.72	14,400.87	20,553.80	0.34	0.35	0.34	Place innerduct in Conduit	"								
39	616103	166,912	40,103	103,508	57,904.10	14,857.21	36,380.66	0.35	0.37	0.35	Add'l. cable/innerduct in same conduit	"								
39	616105	2,292	747	1,520	3,565.91	1,142.91	2,354.41	1.56	1.53	1.55	Place subduct	"								
39	616106	1,804	2,057	1,931	396.88	510.30	453.59	0.22	0.25	0.23	Each add'l subduct	"								
39	616110	152,513	35,699	94,106	101,076.11	23,294.57	62,185.34	0.66	0.65	0.66	Place fiber in subduct (direct buried)	"								
39	616112	9,792	13,809	11,801	11,273.23	14,119.64	12,696.44	1.15	1.02	1.08		"								
39	616114	48,167	69,739	58,953	26,666.30	36,326.93	31,496.62	0.55	0.52	0.53	Mandrel duct/install pull wire	"								
39	616117	117,503	83,825	100,664	71,880.15	50,383.57	61,131.86	0.61	0.60	0.61	Place fiber in conduit/innerduct	"								
39	616119	8,611	1,388	5,000	6,133.24	1,369.04	3,751.14	0.71	0.99	0.75		"								
39	616121	8,952	0	4,476	6,176.90	0.00	3,088.45	0.69		0.69		"								
39	616124	663	413	538	51,870.75	43,814.75	47,842.75	78.24	106.09	88.93		"								
39	616125	99	153	126	10,880.40	16,942.35	13,911.38	109.90	110.73	110.41		"								
39	616126	244	104	174	11,812.00	5,047.00	8,429.50	48.41	48.53	48.45		"								
39	616128	10	2	6	935.80	173.58	554.69	93.58	86.79	92.45		"								
39	616130	99	95	97	866.79	839.50	853.15	8.76	8.84	8.80		"								
39	616132	1,926	867	1,397	11,859.21	5,171.55	8,515.38	6.16	5.96	6.10		"								
39	616134	5,529	2,158	3,844	5,857.28	2,468.83	4,163.06	1.06	1.14	1.08		"								
39	616135	106	205	156	815.78	725.93	770.86	7.70	3.54	4.96		"								
39	616137	3,615	1,143	2,379	31,764.55	10,092.87	20,928.71	8.79	8.83	8.80		"								

Florida 1999-2000 Netcap Data
High Density

Co	Item Code	Quantity 2000	Quantity 1999	Average Quantity	Amount 2000	Amount 1999	Average Amount	Unit Cost 2000	Unit Cost 1999	Average Unit Cost	Item Desc	Category	Cost 2000	Cost 1999	Average Cost	Activity 2000	Activity 1999	Average Activity	
39	616138	559	331	445	14,160.25	9,457.11	11,808.68	25.33	28.57	26.54									
39	616139	58	67	63	1,143.12	1,316.20	1,229.66	19.71	19.64	19.67									
39	616141	77	67	72	12,402.86	11,996.95	12,199.91	161.08	179.06	169.44									
39	616143	1,444	458	951	12,627.50	3,992.18	8,309.84	8.74	8.72	8.74									
39	616147	52	31	42	5,976.44	3,508.85	4,742.65	114.93	113.19	114.28									
39	616150	1,249	2,270	1,760	9,451.63	17,788.84	13,620.24	7.57	7.84	7.74									
39	616151	3,943	3,926	3,935	6,782.48	7,276.32	7,029.40	1.72	1.85	1.79	Remove Asphalt	R & R Asphalt Additive	9.69	10.87	10.24	0.16%	0.41%	0.23%	
39	616152	3,482	2,908	3,195	10,878.39	10,412.57	10,645.48	3.12	3.58	3.33	Restore Asphalt	"							
39	616153	7,150	1,549	4,350	20,359.13	4,573.41	12,466.27	2.85	2.95	2.87	Remove Concrete	R & R Concrete Additive	12.72	12.54	12.67	0.28%	0.16%	0.25%	
39	616154	6,518	1,819	4,168	22,879.56	6,033.74	14,456.65	3.51	3.32	3.47	Restore Concrete	"							
39	616156	204	9	107	397.80	17.55	207.68	1.95	1.95	1.95	Remove Brick	"							
39	616158	252	9	131	4,422.60	157.95	2,290.28	17.55	17.55	17.55	Restore Brick Pavement	"							
39	616159	4,676	4,032	4,354	4,587.94	3,948.88	4,268.41	0.98	0.98	0.98	Restore Gravel	"							
39	616162		1,294	647		332.89	166.45		0.26										
39	616163	18,907	11,076	14,992	9,895.66	5,876.57	7,886.12	0.52	0.53	0.53	Remove & Replace Sod	R & R Sod Additive	1.05	1.06	1.05	0.75%	1.15%	0.86%	
39	616164	569	0	285	102.42	0.00	51.21	0.18		0.18	Seed/Mulch/Straw	"							
39	616166	94	458	276	643.24	5,148.26	2,895.75	6.84	11.24	10.49									
39	616167	45	110	78	338.28	768.89	553.59	7.52	6.99	7.14									
39	616168	11	0	6	2,864.75	0.00	1,432.38	260.43		260.43									
39	616169	9	1	5	1,159.00	191.00	675.00	128.78	191.00	135.00									
39	616173	149	142	146	20,740.05	17,773.80	19,256.93	139.19	125.17	132.35									
39	616175	226	140	183	63,313.04	42,770.68	53,041.86	280.15	305.50	289.85									
39	616177			0			0.00				Place 5' X 10'6" X 7' Vault								
39	616200	522,028	150,762	336,395	3,362,354.06	987,559.50	2,174,956.78	6.44	6.55	6.47	Directional Bore 2"	Boring							
39	616202	151,908	84,498	118,203	1,709,683.34	987,681.05	1,348,682.20	11.25	11.69	11.41	Directional Bore 4"	"							
39	616204	8,385	196	4,291	124,565.66	4,296.60	64,431.13	14.86	21.92	15.02	Directional Bore 6"	Conduit Boring							
39	616206	16,263	25,487	20,875	79,310.32	124,002.68	101,656.50	4.88	4.87	4.87	Add'l. Bore 2"	Boring							
39	616208	28,488	5,897	17,193	181,879.70	46,393.40	114,136.55	6.38	7.87	6.64	Add'l. Bore 4"	"							
39	616210	1,230		615	10,983.90		5,491.95	8.93		8.93	Additional cable/subduct/conduit - 4 1/4 - 6"								
39	616212	3,213	1,105	2,159	68,917.21	22,400.95	45,659.08	21.45	20.27	21.15	Directional Bore stream crossing 4"								
39	616214	850	0	425	41,862.50	0.00	20,931.25	49.25		49.25	Directional Bore stream crossing 6"								
39	616220	150	300	225	3,364.50	6,729.00	5,046.75	22.43	22.43	22.43	Directional Bore add'l stream crossing 4"								
39	617030	14,097	7,624	10,861	771,424.00	420,692.00	596,058.00	54.72	55.18	54.88	Buried Service Drop - up to 150'								
39	617031	356,231	203,550	279,891	130,817.37	73,622.98	102,220.18	0.37	0.36	0.37	Add'l over 150'								
39	617032	1,552	1,371	1,462	427.18	433.27	430.23	0.28	0.32	0.29	Place in open trench								
39	617033	1,226	1,084	1,155	1,901.12	1,289.81	1,595.47	1.55	1.19	1.38	Buried Service Bore - sidewalk								
39	617035	133,351	54,952	94,152	46,051.35	18,541.29	32,296.32	0.35	0.34	0.34	Cut-over Service Drop								
39	617036	3,834	1,940	2,887	1,872.00	807.75	1,339.88	0.49	0.42	0.46	Splice BSW								
39	617037	1,271	514	893	714.18	190.27	452.23	0.56	0.37	0.51									
39	617038	12	0	6	7.98	0.00	3.99	0.67		0.67									
39	617039	30	85	58	23.40	53.55	38.48	0.78	0.63	0.67									
39	617040	118		59	5,030.00		2,515.00	42.63		42.63	Slab bore concrete / asphalt slabs								
39	617041			0			0.00				Remove temporary wire								
39	617056	147,597	72,274	109,935	737,921.50	373,089.14	555,505.32	5.00	5.16	5.05									
39	617058	17,785	10,368	14,077	227,195.02	132,851.19	180,023.11	12.77	12.81	12.79									
39	617060	2,006	967	1,487	18,122.05	10,468.90	14,295.48	9.03	10.83	9.62									
39	617941	4,850		2,425	388.00		194.00	0.08		0.08	Remove temporary wire								
		1,267,249	480,878	874,063							Total Activity					100.00%	100.00%	100.00%	

Florida % Activity

	A	B=A/(A9+A20)	C=B/Total	D	E=D/(D9+D20)	F=E/Total	G	H=G/(G9+G20)	I=H/Total	J	K=J/(J9+J20)	L=K/Total	
	Overall			Low Density			Medium Density			High Density			
	Quantity	% of Qty.	%	Quantity	% of Qty.	%	Quantity	% of Qty.	%	Quantity	% of Qty.	%	
Underground:													
1	Trench & Backfill	410,056	5.60%	74.75%	11,678	0.71%	46.47%	354,065	7.46%	79.71%	44,313	4.76%	55.92%
2	Rocky Trench	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%
3	Backhoe Trench	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%
4	Hand Dig Trench	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%
5	Boring	10,729	0.15%	1.96%	1,121	0.07%	4.46%	5,312	0.11%	1.20%	4,296	0.46%	5.42%
6	Cut & Restore Asphalt	24,126	0.33%	4.40%	355	0.02%	1.41%	16,641	0.35%	3.75%	7,130	0.77%	9.00%
7	Cut & Restore Concrete	27,690	0.38%	5.05%	1,815	0.11%	7.22%	17,357	0.37%	3.91%	8,518	0.91%	10.75%
8	Cut & Restore Sod	75,979	1.04%	13.85%	10,163	0.62%	40.44%	50,824	1.07%	11.44%	14,992	1.61%	18.92%
9	Total	548,580	7.50%	100.00%	25,132	1.53%	100.00%	444,199	9.36%	100.00%	79,249	8.51%	100.00%
Buried:													
10	Plow	4,785,690	65.39%	70.69%	1,427,030	86.87%	88.22%	3,044,385	64.17%	70.80%	314,275	33.74%	36.88%
11	Rocky Plow	95,656	1.31%	1.41%	18,105	1.10%	1.12%	70,879	1.49%	1.65%	6,672	0.72%	0.78%
12	Trench & Backfill	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%
13	Rocky Trench	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%
14	Backhoe Trench	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%
15	Hand Dig Trench	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%
16	Bore Cable	1,616,512	22.09%	23.88%	143,938	8.76%	8.90%	965,769	20.36%	22.46%	506,805	54.42%	59.48%
17	Push Pipe & Pull Cable	272,028	3.72%	4.02%	28,563	1.74%	1.77%	219,097	4.62%	5.10%	24,368	2.62%	2.86%
18	Cut & Restore Asphalt	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%
19	Cut & Restore Concrete	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%
20	Cut & Restore Sod	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%	0	0.00%	0.00%
20	Total	6,769,886	92.50%	100.00%	1,617,636	98.47%	100.00%	4,300,130	90.64%	100.00%	852,120	91.49%	100.00%

Florida Pole Sharing

Description	Poles	Calculation	Description	Unit Cost	Calculation	Our Cost	Calculation
Foreign Power Company owned	261,753	A	Rental poles to Sprint	\$ 19.47	G	\$ 5,096,346.76	N=A*G
Sprint owned	66,975	B	Pole Material & Labor	\$ 514.75	H='FL Pole Costs'C8		
			Anchor/Guy Material & Labor	\$ 128.37	I='FL Pole Costs'C8		
			Pole Investment	\$ 136.71	J=(H+I/4)*.25	\$ 9,156,146.03	O=B*J
Rentals to Power Companies	9,419	C	Revenue to Sprint	\$ (22.55)	K	\$ (212,415.21)	P=C*K
Rentals to CATV Companies	11,121	D	Revenue to Sprint	\$ (3.87)	L	\$ (43,034.56)	Q=D*L
Total # of Poles	328,728	E=(A+B)	Total Cost to Sprint			\$ 13,997,043.02	R=SUM(N:Q)
Total # of Poles	328,728	F=(A+B)	Total Cost if 100% Owned	\$ 136.71	M	\$ 44,940,556.02	S=F*M
Percent Assigned to Telephone:						31.15%	T=R/S

**Pole Costs
Sprint-FL**

PACS Data Table		A	B	C	D=B+C	E
		Expense Category	1999 Amount	2000 Amount	Total	Percentages
1		Pole Material	\$ 16,961.56	\$ 51,054.77	\$ 68,016.33	
2		Anchor & Guy Material	\$ 2,214.29	\$ 4,553.51	\$ 6,767.80	
3		Other Material	\$ 3,632.71	\$ 13,232.24	\$ 16,864.95	16.17% =D3/(sum(D1:D4)+D8)
4		Exempt Material	\$ 3,162.05	\$ 9,472.02	\$ 12,634.07	12.12% =D4/(sum(D1:D4)+D8)
5		Engineering	\$ 32,133.98	\$ 39,008.91	\$ 71,142.89	
6		Placement	\$ 47,832.61	\$ 106,769.08	\$ 154,401.69	
7		Overheads	\$ 74,739.22	\$ 65,471.41	\$ 140,210.63	38.33% =D7/sum(D5:D7)

NetCap Data Table		A	B	C	D	E=(C+D)/2	F	G	H=(F+G)/2
		Item Desc	Category	Quantity 2000	Quantity 1999	Average Quantity	Amount 2000	Amount 1999	Average Amount
1		Place Pole 25' To 35'	Pole Placement	91	79	85	\$ 5,862.23	\$ 4,503.07	\$ 5,182.65
2		Place Pole 40' To 45'	"	26	25	26	\$ 2,154.88	\$ 1,949.90	\$ 2,052.39
3		Place pole 50' and above	"	1		1	\$ 191.00		\$ 95.50
4		Set Pole in Power	Pole Placement	28	49	39	\$ 3,684.69	\$ 9,141.00	\$ 6,412.85
5		Stenciling Pole	Pole Placement	3	72	38	\$ 11.53	\$ 440.75	\$ 226.14
6		Addl Chg for Rock Pole/Anchor	Rocky Pole Plcmt	23	10	17	\$ 1,681.99	\$ 731.30	\$ 1,206.65
7		Place Anchor	Anchor & Guy Plcmt	380	221	301	\$ 11,823.01	\$ 6,420.87	\$ 9,121.94
8			Rocky Anchor Plcmt	683	551	617	\$ 22,654.60	\$ 18,836.28	\$ 20,745.44
9		Place/Remove Guy	Anchor & Guy Plcmt	1,049	870	960	\$ 19,331.99	\$ 15,247.74	\$ 17,289.87

		I	J	K=(I+J)/2	L	M	N	Formulas	
		Unit Cost 2000	Unit Cost 1999	Average Unit Cost	Cost 2000	Cost 1999	Average Cost		
1	\$	64.42	\$ 57.00	\$ 60.97	\$ 85.30	\$ 108.04	\$ 97.96	=(H1+H2+H3+H4)/(E1+E2+E3+E4)+K5	
2	\$	82.88	\$ 78.00	\$ 80.49					
3	\$	191.00		\$ 191.00					
4	\$	131.60	\$ 186.55	\$ 166.57					
5	\$	3.84	\$ 6.12	\$ 6.03					
6	\$	73.13	\$ 73.13	\$ 73.13	\$ 158.43	\$ 181.17	\$ 171.09	=N1+K6	
7	\$	31.11	\$ 29.05	\$ 30.36	\$ 49.54	\$ 46.58	\$ 48.38	=K7+K9	
8	\$	33.17	\$ 34.19	\$ 33.62	\$ 122.67	\$ 119.71	\$ 121.51	=N7+K6	
9	\$	18.43	\$ 17.53	\$ 18.02					

Manhole Costs
Florida

Manufacturer's Number	Material Code	Description	Material Cost	Sales Tax 7.00%	Total Material	Engineering, Exempt & Other 189.06%	Placement	Total Labor
Vaults								
TA12-3048-18W-1PC	154027	Vault Service U/G TA12 30"x48"x18"w	\$ 233.11	\$	16.32	\$ 249.43	\$ 440.73	\$ 772.50 \$ 1,213.23
TA12-3660-30-1PC	154075	Vault 1 PC Cover/Racks 30x60x30	\$ 497.17	\$	34.80	\$ 531.97	\$ 939.94	\$ 772.50 \$ 1,712.44
TA12-3660-30-2PC	154086	Vault 2 PC Cover/Racks 30x60x30	\$ 480.04	\$	33.60	\$ 513.65	\$ 907.57	\$ 772.50 \$ 1,680.07
TA12-3660-36-1PC	154094	Vault 1 PC Cover/Racks 36x60x36	\$ 518.46	\$	36.29	\$ 554.75	\$ 980.20	\$ 772.50 \$ 1,752.70
TA12-3660-36-2PC	154095	Vault 2 PC Cover/Racks 36x60x36	\$ 549.57	\$	38.47	\$ 588.04	\$ 1,039.01	\$ 772.50 \$ 1,811.51
TA12-3660-48-1PC	154096	Vault 1 PC Cover/Racks 36x60x48	\$ 622.23	\$	43.56	\$ 665.79	\$ 1,176.39	\$ 772.50 \$ 1,948.89
TA12-3660-48-2PC	154097	Vault 2 PC Cover/Racks 36x60x48	\$ 626.11	\$	43.83	\$ 669.94	\$ 1,183.73	\$ 772.50 \$ 1,956.23
TA12-3672-18-1PC	154098	Vault 1 PC Cover/Racks 36x72x18	\$ 599.05	\$	41.93	\$ 640.99	\$ 1,132.57	\$ 772.50 \$ 1,905.07
		Average			\$	\$ 551.82		\$ 1,747.52
Manhole 10x5x7								
10-122-T	005594	Manhole 10x5x7 Type J	\$ 2,449.87	\$	171.49	\$ 2,621.36	\$ 4,631.74	\$ 927.00 \$ 5,558.74
HP-MH-20-556	016308	Hardware Pkg for 10x5x7 Type J	\$ 269.42	\$	18.86	\$ 288.28	\$	\$ 509.36
F4208E	016310	Frame & Cover 30IN UTS Shallow Base	\$ 502.30	\$	35.16	\$ 537.47	\$	\$ 949.66
					\$	\$ 3,447.11		\$ 7,017.75
Manhole 6x12x7								
6000FM84-GT33	010799	Manhole 6x12x7	\$ 4,195.38	\$	293.68	\$ 4,489.06	\$ 7,931.79	\$ 1,030.00 \$ 8,961.79
A1134FC	010801	Manhole Frame & Cover UTS Stencil Logo	\$ 441.80	\$	30.93	\$ 472.73	\$ 835.27	\$ 835.27
					\$	\$ 4,961.78		\$ 9,797.06
		Adder	\$ 3,660.66	\$	256.25	\$ 3,916.91	\$ 6,920.85	\$ 898.72 \$ 7,819.58

PACS Data

1998		1999		2000	
CONDUIT MATERIAL COST	\$ 248,374.43	CONDUIT MATERIAL COST	\$ 358,039.45	CONDUIT MATERIAL COST	\$ 143,507.31
MANHOLE MATERIAL COST	\$ 52,669.28	MANHOLE MATERIAL COST	\$ 95,808.21	MANHOLE MATERIAL COST	\$ 52,218.01
INNERDUCT MATERIAL COST	\$ 240,292.00	INNERDUCT MATERIAL COST	\$ 262,849.29	INNERDUCT MATERIAL COST	\$ 134,468.43
TOTAL MATERIAL	\$ 541,335.71	TOTAL MATERIAL	\$ 716,696.95	TOTAL MATERIAL	\$ 330,191.75
EXEMPT MATERIAL	\$ 114,539.62	EXEMPT MATERIAL	\$ 167,402.48	EXEMPT MATERIAL	\$ 180,045.98
ENGINEERING (per material \$)	\$ 144,618.59	ENGINEERING (per material \$)	\$ 163,965.14	ENGINEERING (per material \$)	\$ 188,912.47
OVERHEADS (per material \$)	\$ 419,341.33	OVERHEADS (per material \$)	\$ 908,249.31	OVERHEADS (per material \$)	\$ 518,861.14
TOTAL ENG, EXEMPT & OTHER	\$ 678,499.54	TOTAL ENG, EXEMPT & OTHER	\$ 1,239,616.93	TOTAL ENG, EXEMPT & OTHER	\$ 887,819.59

ENG, EXEMPT & OTHER % 125.34% ENG, EXEMPT & OTHER % 172.96% ENG, EXEMPT & OTHER % 268.88% AVERAGE 189.06%

Contract Rates

Item Code	Description	Unit of Measure	Cost
616176	Place 4'6" X 8'6" X 7' Vault	Each	\$ 772.50
616177	Place 5' X 10'6" x 7' Vault	Each	\$ 927.00
616178	Place 6' X 12' x 7' Vault	Each	\$ 1,030.00

Conduit per Foot

Material Code	Description	Coded Material Cost	Size of Conduit	Price Per Foot	Sales Tax 7.00%	Total Price Per Ft.	Avg Conduit Price Per Ft. \$ 2.23
161007	Conduit Sch40 4IN x 10FT	\$ 13.59	10	\$	1.36	\$ 0.10	\$ 1.45
161075	Conduit Sch40 4IN x 20FT Belled End	\$ 27.22	20	\$	1.36	\$ 0.10	\$ 1.46
161064	Conduit Flex Duct 4INx250FT Coil	\$ 286.83	250	\$	1.15	\$ 0.08	\$ 1.23
162004	4IN x 10FT Galv Rigit Conduit w/Coupl	\$ 66.33	10	\$	6.63	\$ 0.46	\$ 7.10
161034	Conduit SchD40 4INx20FT Cantex	\$ 22.63	20	\$	1.13	\$ 0.08	\$ 1.21
161102	Conduit C-DUCT 4INx20FT Cantex	\$ 17.81	20	\$	0.89	\$ 0.06	\$ 0.95

**Florida Plant Mix - Copper
Trended**

A	B	C	D=TREND(C,A)	E=D/L	F	G=TREND(F,A)	H=G/L	I	J=TREND(I,A)	K=J/L	L=D+G+J	M=E+H+K
Copper Distribution < 400 Pair Cables												
Density Group	Aerial Lines	Trended Lines	Aerial Percent*	Underground Lines	Trended Lines	Underground Percent**	Buried Lines	Trended Lines	Buried Percent*	Total Lines	Total Percent	
1	0 - 5	849	7,576	5.5%	21	(663)	-0.5%	8,582	131,945	95.0%	138,858	100%
2	6 - 100	14,336	12,294	7.9%	666	289	0.2%	146,138	143,224	91.9%	155,807	100%
3	101-200	11,606	17,012	9.8%	845	1,241	0.7%	127,748	154,502	89.4%	172,755	100%
4	201 - 650	28,434	21,730	11.5%	2,334	2,193	1.2%	281,272	165,781	87.4%	189,704	100%
5	651 - 850	10,364	26,447	12.8%	816	3,145	1.5%	79,824	177,060	85.7%	206,652	100%
6	851 - 2550	65,030	31,165	13.9%	6,045	4,097	1.8%	478,235	188,339	84.2%	223,601	100%
7	2551 - 5000	45,076	35,883	14.9%	4,440	5,049	2.1%	269,712	199,618	83.0%	240,550	100%
8	5001 - 10000	23,402	40,601	15.8%	4,254	6,001	2.3%	139,528	210,897	81.9%	257,498	100%
9	> 10001	38,930	45,318	16.5%	8,884	6,953	2.5%	62,500	222,175	81.0%	274,447	100%
	Total	238,026	238,026	12.8%	28,306	28,306	1.5%	1,593,540	1,593,540	85.7%	1,859,872	100%

Copper Feeder = 400 Pair and >

Density Group	Aerial Lines	Trended Lines	Aerial Percent*	Underground Lines	Trended Lines	Underground Percent*	Buried Lines	Trended Lines	Buried Percent*	Total Lines	Total Percent	
1	0 - 5	19	239	2.1%	105	1,998	17.3%	654.26	9,325	80.7%	11,563	100%
2	6 - 100	389	272	2.1%	2497	2,933	22.8%	10,385.88	9,683	75.1%	12,888	100%
3	101-200	174	304	2.1%	2700	3,867	27.2%	8,673.63	10,041	70.6%	14,213	100%
4	201 - 650	490	337	2.2%	6662	4,802	30.9%	18,548.22	10,399	66.9%	15,538	100%
5	651 - 850	218	369	2.2%	2113	5,737	34.0%	5,164.35	10,757	63.8%	16,863	100%
6	851 - 2550	911	402	2.2%	15955	6,672	36.7%	28,376.52	11,115	61.1%	18,188	100%
7	2551 - 5000	581	434	2.2%	10396	7,607	39.0%	15,315	11,473	58.8%	19,514	100%
8	5001 - 10000	204	466	2.2%	5508	8,542	41.0%	6,642	11,831	56.8%	20,839	100%
9	> 10001	336	499	2.3%	5698	9,477	42.8%	3,052	12,188	55.0%	22,164	100%
	Total	3,322	3,322	2.2%	51,634	51,634	34.0%	96,812	96,812	63.8%	151,769	100%

*These percentages are entered into the "Loop Percentage Table Inputs" tab in SLCM under their corresponding titles.

**UG plant mix is adjusted in the input file to produce more realistic manhole costs.

**Florida Plant Mix - Fiber
Trended**

A	B	C	D=TREND(C,A)	E=D/L	F	G=TREND(F,A)	H=G/L	I	J=TREND(I,A)	K=J/L	L=D+G+J	M=E+H+K
	Density Group	Aerial Lines	Trended Lines	Aerial Percent*	Underground Lines	Trended Lines	Underground Percent*	Buried Lines	Trended Lines	Buried Percent*	Total Lines	Total Percent
1	0 - 5	9	268	2.4%	36	734	6.5%	306	10,212	91.1%	11,214	100%
2	6 - 100	342	320	2.5%	1,684	1,919	14.8%	13,162	10,760	82.8%	12,999	100%
3	101-200	378	373	2.5%	1,976	3,104	21.0%	11,283	11,308	76.5%	14,785	100%
4	201 - 650	710	425	2.6%	3,672	4,290	25.9%	13,479	11,855	71.5%	16,570	100%
5	651 - 850	132	477	2.6%	2,070	5,475	29.8%	6,737	12,403	67.6%	18,355	100%
6	851 - 2550	1,181	530	2.6%	15,986	6,660	33.1%	36,791	12,951	64.3%	20,141	100%
7	2551 - 5000	681	582	2.7%	10,680	7,845	35.8%	19,997	13,499	61.6%	21,926	100%
8	5001 - 10000	322	635	2.7%	6,093	9,030	38.1%	6,654	14,047	59.2%	23,711	100%
9	> 10001	541	687	2.7%	7,076	10,215	40.1%	3,219	14,594	57.2%	25,497	100%
	Total	4,297	4,297	2.6%	49,273	49,273	29.8%	111,629	111,629	67.6%	165,199	100%

*These percentages are entered into the "Loop Percentage Table Inputs" tab in SLCM under their corresponding titles.

Feeder Fill Summary

Density Zones	Actual Fill	Effective Fill	SLCM Fill
1	52.7%	40.51%	61.2%
2	52.8%	49.44%	61.3%
3	52.0%	51.90%	60.5%
4	51.6%	52.06%	60.1%
5	51.6%	54.08%	60.1%
6	51.4%	50.78%	59.9%
7	50.9%	52.82%	59.4%
8	50.8%	50.58%	59.3%
9	42.2%	47.72%	50.7%
Total	50.67%	49.99%	59.17%

*These amounts are input into the "Loop Percentage Table Inputs" in SLCM under "Density Cable Sizing Factor Table".

0-5 Density	6-100 Density	101-200 Density	201-650 Density	651-850 Density	851-2550 Density	2551-5000 Density	5001-10000 Density	>10001 Density
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Total Fill per Density Zone	5,261	86,030	81,709	174,435	50,161	308,880	175,459	94,396	54,409	A
Total Lines per Density Zone	9,988	162,813	157,113	338,017	97,128	600,701	344,895	185,667	129,081	B
Actual Fill %	52.68%	52.84%	52.01%	51.61%	51.64%	51.42%	50.87%	50.84%	42.15%	C=A/B
Effective Fill %	40.51%	49.44%	51.90%	52.06%	54.08%	50.78%	52.82%	50.58%	47.72%	D
SLCM Fill %	61.18%	61.34%	60.51%	60.11%	60.14%	59.92%	59.37%	59.34%	50.65%	E=C+8.5%
Total Fill Lines	1,030,740									F
Total Wkg Lines	2,025,403									G
Overall Fill %	50.89%									H=F/G

III. SS7

**Sprint SS7 Cost Model
TEKELEC PROPRIETARY INFORMATION**

A Ref #	B Description	C Quantity	D Unit Price	E Net Price	F Price per Unit	H		I	
						North Florida	Central Florida	Year 2000	Year 2000
8	Number of Links					40		91	
9	BASIC TEKELEC EAGLE STP INVESTMENT								
10									
11	Base Hardware System								
12	Control Shelf (Holds 10 processor cards and five MAS cards)	2	\$ 30,000.00	\$ 37,500.00	\$ 18,750.00	2	37,500.00	2	37,500.00
13	Control Frame (Holds one control shelf and two extension shelves)	2	12,000.00	15,000.00	7,500.00	2	15,000.00	2	15,000.00
14	Extension Shelf (Holds 16 processor cards (LIM,ASM,ACM))	10	15,000.00	93,750.00	9,375.00	2	18,750.00	2	18,750.00
15	Extension Frame (Holds 3 extension shelves)	2	12,000.00	15,000.00	7,500.00	0	-	0	-
16	Side Panel with Alarm Indicators	2	1,500.00	1,875.00	937.50	2	1,875.00	2	1,875.00
17	Side Panel , Blank	2	1,500.00	1,875.00	937.50	2	1,875.00	2	1,875.00
18	STP Installation Cables (One Unit Per Wired Shelf)	12	1,500.00	11,250.00	937.50	4	3,750.00	4	3,750.00
19	Subtotal Base Hardware System		\$ 73,500.00	\$ 176,250.00			\$ 78,750.00		\$ 78,750.00
20									
21	Base System Software								
22	STP Generic System Software	2	\$ 35,000.00	\$ 43,750.00	21,875.00	2	43,750.00	2	43,750.00
23									
24	SS7 Link Hardware								
25	Link Interface Module (LIM) (Serves 2 links)	148	\$ 9,000.00	\$ 832,500.00	5,625.00	20	112,500.00	46	258,750.00
26									
27	SS7 Link Software								
28	Link Interface Module (Serves 2 links)	148	\$ 6,600.00	610,500.00	4,125.00	20	82,500.00	46	189,750.00
29									
30	Global Title Translation								
31	Application Service Module (ASM) (Serves 16 LIMs)	0	\$ 8,000.00	\$ 0.00		4	20,000.00	6	30,000.00
32	Global Titles Translation Software Feature Module (SFM)	2	10,000.00	12,500.00	6,250.00	2	12,500.00	2	12,500.00
33	TSM-1024MEG Hardware (Serves 16 LIMs on STP/SCP only)	12	135,000.00	1,012,500.00	84,375.00	0	-	0	-
34	Spare TSM-1024MEG Hardware	2	135,000.00	168,750.00	84,375.00	0	-	0	-
35	Subtotal Global Title Translation		\$ 288,000.00	\$ 1,193,750.00			\$ 32,500.00		\$ 42,500.00
36									
37	Gateway Screening								
38	Applications Service Module (two per STP)	4	\$ 8,000.00	\$ 20,000.00	5,000.00	4	20,000.00	4	20,000.00
39	Gateway Software Screening Software Feature Module	2	10,000.00	12,500.00	6,250.00	2	12,500.00	2	12,500.00
40	Subtotal Global Title Translation		\$ 18,000.00	\$ 32,500.00			\$ 32,500.00		\$ 32,500.00
41									
42	STP LAN Interface								
43	STP-LAN Interface Kernel S/W	2	\$ 75,000.00	\$ 93,750.00	46,875.00	2	93,750.00	2	93,750.00
44	STP-LAN Interface Feature Module	8	6,600.00	33,000.00	4,125.00	2	8,250.00	4	16,500.00
45	Applications Communications Module (ACM) (Serves 30 LIMs)	8	9,000.00	45,000.00	5,625.00	2	11,250.00	4	22,500.00
46	Subtotal STP LAN Interface		\$ 90,600.00	\$ 171,750.00			\$ 113,250.00		\$ 132,750.00
47									
48	Link Fault Sectionalization (DS0A, LIMS, Only)								

Sprint SS7 Cost Model
TEKELEC PROPRIETARY INFORMATION

A Ref #	B Description	C Quantity	D Unit Price	E Net Price	F Price per Unit	H		I	
						Year 2000	Year 2000	Year 2000	Year 2000
49	Link Fault Sectionalization Software Feature Module (SFM)	2	\$ 10,000.00	\$ 12,500.00	6,250.00	2	12,500.00	2	12,500.00
50									
51	DS0A Loopback (DS0A LIMs, Only)								
52	DSO Loopback Software Feature Module (SFM)	2	\$ 10,000.00	\$ 12,500.00	6,250.00	2	12,500.00	2	12,500.00
53									
54	Cluster Routing and Management Diversity								
55	Cluster Routing & Management Diversity Kernel Software	2	\$ 10,000.00	12,500.00	6,250.00	2	12,500.00	2	12,500.00
56									
57	Spares								
58	Spare Link Interface Module (AINF) Supports 2 SS7 Links	2	\$ 15,600.00	\$ 19,500.00	9,750.00	2	19,500.00	2	19,500.00
59	MDAL	2	2,500.00	3,125.00	1,562.50	2	3,125.00	2	3,125.00
60	TDM	2	6,300.00	7,875.00	3,937.50	2	7,875.00	2	7,875.00
61	MCAP	2	4,600.00	5,750.00	2,875.00	2	5,750.00	2	5,750.00
62	IPM	4	1,200.00	3,000.00	750.00	4	3,000.00	4	3,000.00
63	Application Communications Module (Ethernet)	2	9,000.00	11,250.00	5,625.00	2	11,250.00	2	11,250.00
64	Applications Service Module	2	8,000.00	10,000.00	5,000.00	2	10,000.00	2	10,000.00
65	Spares Cabinet	2	3,500.00	4,375.00	2,187.50	2	4,375.00	2	4,375.00
66	Cables	2	915.00	1,143.75	571.88	2	1,143.75	2	1,143.75
67	Subtotal Spares		\$ 51,615.00	\$ 66,018.75			\$ 66,018.75		\$ 66,018.75
68									
69	Miscellaneous Equipment								
70	Terminal Block	2	\$ 4,150.00	\$ 5,187.50	2,593.75	2	5,187.50	2	5,187.50
71	Breakers	8	50.00	250.00	31.25	8	250.00	8	250.00
72	Operations, Administration & Maintenance Terminals	2	4,000.00	5,000.00	2,500.00	2	5,000.00	2	5,000.00
73	Subtotal Miscellaneous Equipment		\$ 8,200.00	\$ 10,437.50			\$ 10,437.50		\$ 10,437.50
74									
75	Engineering, Installation, Services & Labor								
76	App. Eng. Site Surveys, Records etc., Per Node (Initial)	2	\$ 17,500.00	35,000.00	17,500.00	2	21,875.00	2	21,875.00
77	App. Eng. Site Surveys, Records etc., Per Node (Extensions)	0	12,000.00	0.00		0	-	0	-
78	Installation Project Startup Per Node	2	3,000.00	6,000.00	3,000.00	2	3,750.00	2	3,750.00
79	Installation Materials (Per STP - Not to Exceed)	2	2,000.00	4,000.00	2,000.00	2	2,500.00	2	2,500.00
80	Installation, Per Wired Shelf	12	500.00	6,000.00	500.00	4	1,250.00	4	1,250.00
81	Installation Per Frame	4	500.00	2,000.00	500.00	2	625.00	2	625.00
82	Shipping, STP, Per Frame	4	2,000.00	8,000.00	2,000.00	2	2,500.00	2	2,500.00
83	Training-Maintenance & Database Course (3 People)	2	5,000.00	10,000.00	5,000.00	2	6,250.00	2	6,250.00
84	Complete Documentation Per STP	2	1,500.00	3,000.00	1,500.00	2	1,875.00	2	1,875.00
85	Subtotal Engineering, Installation, Services & Labor		\$ 44,000.00	\$ 74,000.00			\$ 40,625.00		\$ 40,625.00
86									
87	Sprint's Engineering, Labor, and Materials (Calculated at 8% of Material Costs)						48,776.50		71,416.50
88									
89	Sales Tax						42,856.83		61,506.53

Sprint SS7 Cost Model
TEKELEC PROPRIETARY INFORMATION

A Ref #	B Description	C Quantity	D Unit Price	E Net Price	F Price per Unit	H		I	
						North Florida Year 2000	Central Florida Year 2000	J	K
90	Capitalized Hardware and Software Maintenance (INO 5 Year Plan Page 25)						0.00		0.00
91									
92									
93	Insight 7 Software (Per Insight 7 Quote)	1	\$ 262,410.00	262,410.00	262,410.00	1/11	23,855.45	##	23,855.45
94	Access7 Measurement Software						128,520.50		148,860.00
95									
96	Total Basic STP Investment		\$ 646,315.00	\$ 3,238,518.75			\$ 894,340.53		\$ 1,238,969.73
97									
98	Port Investment Analysis								
99									
100	Application Service Module (ASM)						20,000.00		30,000.00
101	STP-LAN Interface Feature Module						8,250.00		16,500.00
102	Applications Communications Module (ACM)						11,250.00		22,500.00
103	TSM-1024MEG Hardware						0.00		0.00
104	Spare TSM-1024MEG Hardware						0.00		0.00
105	Link Interface Module						112,500.00		258,750.00
106	Link Interface Module Software						82,500.00		189,750.00
107	Extension Shelf						18,750.00		18,750.00
108	Extension Frame						0.00		0.00
109	STP Installation Cables (One Per Wired Shelf)						1,875.00		1,875.00
110	Installation, Per Wired Extension Shelf						625.00		625.00
111	Installation Per Extension Frame						0.00		0.00
112	Shipping, STP, Per Extension Frame						0.00		0.00
113									
114	Sprint's Engineering, Labor, and Materials (Calculated at 8% of Material Costs)						20,410.00		43,050.00
115									
116	Sales Tax						16,853.93		35,503.63
117									
118	Total Port Related Investment						\$ 293,013.93		\$ 617,303.63
119									
120	Non-Port STP Investment						\$ 601,326.61		\$ 621,666.11
121									
122	Total STP Investment (Per STP)						\$ 894,340.53		\$ 1,238,969.73
123	Total STP Investment (Mated Pair STP)						1,788,681.07		2,477,939.47
124									
125	Total Port STP Investment (Mated Pair STP)						586,027.85		1,234,607.25

**Sprint SS7 Cost Model
TEKELEC PROPRIETARY INFORMATION**

A	B	C	D	E	F	G	H
Ref #	Description	Quantity	Unit Price	Net Price		Tennessee Year 2000	
8	Number of Links					139	
9	BASIC TEKELEC EAGLE STP INVESTMENT						
10							
11	Base Hardware System						
12	Control Shelf (Holds 10 processor cards and five MAS cards)	2	\$ 30,000.00	\$ 37,500.00	\$ 18,750.00	2	\$ 37,500.00
13	Control Frame (Holds one control shelf and two extension shelves)	2	12,000.00	15,000.00	\$ 7,500.00	2	15,000.00
14	Extension Shelf (Holds 16 processor cards (LIM,ASM,ACM))	10	15,000.00	93,750.00	\$ 9,375.00	4	37,500.00
15	Extension Frame (Holds 3 extension shelves)	2	12,000.00	15,000.00	\$ 7,500.00	0	-
16	Side Panel with Alarm Indicators	2	1,500.00	1,875.00	\$ 937.50	2	1,875.00
17	Side Panel , Blank	2	1,500.00	1,875.00	\$ 937.50	2	1,875.00
18	STP Installation Cables (One Unit Per Wired Shelf)	12	1,500.00	11,250.00	\$ 937.50	6	5,625.00
19	Subtotal Base Hardware System		\$ 73,500.00	\$ 176,250.00		\$	99,375.00
20							
21	Base System Software						
22	STP Generic System Software	2	\$ 35,000.00	\$ 43,750.00	21,875.00	2	43,750.00
23							
24	SS7 Link Hardware						
25	Link Interface Module (LIM) (Serves 2 links)	148	\$ 9,000.00	\$ 832,500.00	5,625.00	70	393,750.00
26							
27	SS7 Link Software						
28	Link Interface Module (Serves 2 links)	148	\$ 6,600.00	610,500.00	4,125.00	70	288,750.00
29							
30	Global Title Translation						
31	Application Service Module (ASM) (Serves 16 LIMs)	0	\$ 8,000.00	\$ 0.00		0	-
32	Global Title Translation Software Feature Module (SFM)	2	10,000.00	12,500.00	6,250.00	0	-
33	TSM-1024MEG Hardware (Serves 16 LIMs on STP/SCP only)	12	135,000.00	1,012,500.00	84,375.00	8	675,000.00
34	Spare TSM-1024MEG Hardware	2	135,000.00	168,750.00	84,375.00	2	168,750.00
35	Subtotal Global Title Translation		\$ 288,000.00	\$ 1,193,750.00		\$	843,750.00
36							
37	Gateway Screening						
38	Applications Service Module (two per STP)	4	\$ 8,000.00	\$ 20,000.00	5,000.00	4	20,000.00
39	Gateway Software Screening Software Feature Module	2	10,000.00	12,500.00	6,250.00	2	12,500.00
40	Subtotal Global Title Translation		\$ 18,000.00	\$ 32,500.00		\$	32,500.00
41							
42	STP LAN Interface						
43	STP-LAN Interface Kernel S/W	2	\$ 75,000.00	\$ 93,750.00	46,875.00	2	93,750.00
44	STP-LAN Interface Feature Module	8	6,600.00	33,000.00	4,125.00	6	24,750.00
45	Applications Communications Module (ACM) (Serves 30 LIMs)	8	9,000.00	45,000.00	5,625.00	6	33,750.00

Sprint SS7 Cost Model
TEKELEC PROPRIETARY INFORMATION

A Ref #	B Description	C Quantity	D Unit Price	E Net Price	F	G Tennessee		H
						Year 2000		
46	Subtotal STP LAN Interface		\$ 90,600.00	\$ 171,750.00		\$		152,250.00
47								
48	Link Fault Sectionalization (DS0A, LIMS, Only)							
49	Link Fault Sectionalization Software Feature Module (SFM)	2	\$ 10,000.00	\$ 12,500.00	6,250.00		2	12,500.00
50								
51	DS0A Loopback (DS0A LIMs, Only)							
52	DSO Loopback Software Feature Module (SFM)	2	\$ 10,000.00	\$ 12,500.00	6,250.00		2	12,500.00
53								
54	Cluster Routing and Management Diversity							
55	Cluster Routing & Management Diversity Kernel Software	2	\$ 10,000.00	12,500.00	6,250.00		2	12,500.00
56								
57	Spares							
58	Spare Link Interface Module (AINF) Supports 2 SS7 Links	2	\$ 15,600.00	\$ 19,500.00	9,750.00		2	19,500.00
59	MDAL	2	2,500.00	3,125.00	1,562.50		2	3,125.00
60	TDM	2	6,300.00	7,875.00	3,937.50		2	7,875.00
61	MCAP	2	4,600.00	5,750.00	2,875.00		2	5,750.00
62	IPM	4	1,200.00	3,000.00	750.00		4	3,000.00
63	Application Communications Module (Ethernet)	2	9,000.00	11,250.00	5,625.00		2	11,250.00
64	Applications Service Module	2	8,000.00	10,000.00	5,000.00		2	10,000.00
65	Spares Cabinet	2	3,500.00	4,375.00	2,187.50		2	4,375.00
66	Cables	2	915.00	1,143.75	571.88		2	1,143.75
67	Subtotal Spares		\$ 51,615.00	\$ 66,018.75		\$		66,018.75
68								
69	Miscellaneous Equipment							
70	Terminal Block	2	\$ 4,150.00	\$ 5,187.50	2,593.75		2	5,187.50
71	Breakers	8	50.00	250.00	31.25		8	250.00
72	Operations, Administration & Maintenance Terminals	2	4,000.00	5,000.00	2,500.00		2	5,000.00
73	Subtotal Miscellaneous Equipment		\$ 8,200.00	\$ 10,437.50		\$		10,437.50
74								
75	Engineering, Installation, Services & Labor							
76	App. Eng. Site Surveys, Records etc., Per Node (Initial)	2	\$ 17,500.00	35,000.00	17,500.00		2	21,875.00
77	App. Eng. Site Surveys, Records etc., Per Node (Extensions)	0	12,000.00	0.00			0	-
78	Installation Project Startup Per Node	2	3,000.00	6,000.00	3,000.00		2	3,750.00
79	Installation Materials (Per STP - Not to Exceed)	2	2,000.00	4,000.00	2,000.00		2	2,500.00
80	Installation, Per Wired Shelf	12	500.00	6,000.00	500.00		6	1,875.00
81	Installation Per Frame	4	500.00	2,000.00	500.00		2	625.00
82	Shipping, STP, Per Frame	4	2,000.00	8,000.00	2,000.00		2	2,500.00
83	Training-Maintenance & Database Course (3 People)	2	5,000.00	10,000.00	5,000.00		2	6,250.00

Sprint SS7 Cost Model
TEKELEC PROPRIETARY INFORMATION

A	B	C	D	E	F	G	H
Ref #	Description	Quantity	Unit Price	Net Price		Tennessee Year 2000	
84	Complete Documentation Per STP	2	1,500.00	3,000.00	1,500.00	2	1,875.00
85	Subtotal Engineering, Installation, Services & Labor		\$ 44,000.00	\$ 74,000.00			\$ 41,250.00
86							
87	Sprint's Engineering, Labor, and Materials (Calculated at 8% of Material Costs)						157,446.50
88							
89	Sales Tax						160,746.50
90							
91	Capitalized Hardware and Software Maintenance (INO 5 Year Plan Page 25)						0.00
92							
93	Insight 7 Software (Per Insight 7 Quote)	1	\$ 262,410.00	262,410.00	262,410.00	1/11	23,855.45
94	Access7 Measurement Software						280,610.50
95							
96	Total Basic STP Investment		\$ 646,315.00	\$ 3,238,518.75			\$ 2,631,990.20
97							
98	Port Investment Analysis						
99							0.00
100	Application Service Module (ASM)						24,750.00
101	STP-LAN Interface Feature Module						33,750.00
102	Applications Communications Module (ACM)						675,000.00
103	TSM-1024MEG Hardware						168,750.00
104	Spare TSM-1024MEG Hardware						393,750.00
105	Link Interface Module						288,750.00
106	Link Interface Module Software						37,500.00
107	Extension Shelf						0.00
108	Extension Frame						3,750.00
109	STP Installation Cables (One Per Wired Shelf)						1,250.00
110	Installation, Per Wired Extension Shelf						0.00
111	Installation Per Extension Frame						0.00
112	Shipping, STP, Per Extension Frame						
113							130,080.00
114	Sprint's Engineering, Labor, and Materials (Calculated at 8% of Material Costs)						130,180.00
115							
116	Sales Tax						
117							
118	Total Port Related Investment						\$ 1,887,510.00
119							
120	Non-Port STP Investment						\$ 744,480.20
121							

**Sprint SS7 Cost Model
TEKELEC PROPRIETARY INFORMATION**

A	B	C	D	E	F	G	H
Ref #	Description	Quantity	Unit Price	Net Price		Tennessee	
						Year 2000	
122	Total STP Investment (Per STP)					\$	2,631,990.20
123	Total STP Investment (Mated Pair STP)						5,263,980.41
124							
125	Total Port STP Investment (Mated Pair STP)					\$	3,775,020.00
126							
127							
128		Year 1	There After				
129		50.00%	75.00%				
130	Sprint Hardware and Software Discount Rate	62.50%					

Notes

- 8 The number of links represent the average number of links in service during 2000 according to CDC SS7 traffic measurement reports
- 9 - 96 Investment dollars and units were taken from TEKELEC quotes. Required components per link was provided in INO's Five-Year Strategic Plan and TEKELEC product documentation.
- 94 Access7 investments are on a site specific basis and are based on a report provided by INO (Access7 Tracking).

IV. Transport

Florida - UNE
Interoffice Transport Model Inputs
Equipment Price & Utilization Inputs

A	B	E	F	G	I	J	L
		Material Cost	Eng. Hours	Install. Hours	\$52.88 Eng. Amount	\$44.81 Install. Amount	Total Labor
	Termination Equipment:						
Row							
11	Fiber Tip Cable (Per Fiber)	\$ 31.38	0.02	0.03	\$ 0.81	\$ 1.53	\$ 2.34
12	Fiber Patch Panel (Per Fiber)	17.49	0.11	0.22	5.88	9.96	15.83
13							
14	Sonet Terminal Shelf (OC3)	19,302.82	32.0	84.0	1,692.16	3,764.04	5,456.20
15	DS3 Card	1,976.03	0.0	0.0	-	-	-
16	DS1 Card	151.83	0.0	0.0	-	-	-
17	Sonet Terminal Shelf (OC12)	21,615.50	41.3	84.0	2,185.71	3,764.04	5,949.75
18	OC3 Card	5,715.67	0.0	0.0	-	-	-
19	4 DS3 Card (OC12)	822.92	0.0	0.0	-	-	-
20	Sonet Terminal Shelf (OC48LUC)	87,821.56	50.0	120.0	2,644.00	5,377.20	8,021.20
21	OC12 Card	9,716.42	0.0	0.0	-	-	-
22	OC3 Card	7,223.10	0.0	0.0	-	-	-
23	3 DS3 Card (OC48 LUC)	6,516.50	0.0	0.0	-	-	-
24	Sonet Terminal Shelf (OC48ALC)	122,535.92	68.0	120.0	3,595.84	5,377.20	8,973.04
25	OC12 Card	9,098.42	0.0	0.0	-	-	-
26	OC3 Card	5,715.67	0.0	0.0	-	-	-
27	3 DS3 Card (OC48 ALC)	6,532.20	0.0	0.0	-	-	-
28							
29	DSX3 Cross Connect Shelf	193.48	8.0	16.0	423.04	716.96	1,140.00
30	DSX3 Cross Connect Card	245.62	0.0	0.0	-	-	-
31	DSX1 Cross Connect Jack Field	1,550.67	8.0	16.0	423.04	716.96	1,140.00
32	Channel Bank Shelf	5,340.25	12.0	40.0	634.56	1,792.40	2,426.96
33	Channel Bank Card	144.69	0.0	0.0	-	-	-
34							
35	Fiber Repeater (OC3)	25,208.96	20	30.00	1,057.60	1,344.30	2,401.90
36	Fiber Repeater (OC12)	28,662.42	20	30.00	1,057.60	1,344.30	2,401.90
37	Fiber Repeater (OC48LUC)	70,672.02	20	30.00	1,057.60	1,344.30	2,401.90
38	Fiber Repeater (OC48ALC)	122,183.74	20	30.00	1,057.60	1,344.30	2,401.90

Installation Hour Notes:

Includes: Installation, power up, test and turnup (ready for service) of fiber terminal (cabling to DSX covered under lines 29 and 31).

CONFIDENTIAL 0086

Alcatel OC-3 Central Office Terminal (7'-0")
Equipped with 2 DS-3s and 28 DS-1s

Matcode	Configuration P/N	Configuration Description	Qty	Unit Price	Material Price
030464	1603 SMX-COT-01	7 FT frame assembly w/1-RS PDU w frame bus kit (1) 625002-000-008 Fan Panel with Filter (1) 3EM02211AA SLM201 SMX Shelf			\$ 2,495.56
030469	1603 SMX-COM-01	SMX COM-01 includes:			
	600308-393-001	PWR A01 Power Converter	3	\$ 309.56	928.68
	3AL00124AB	CLK 202 Clock Unit	2	412.75	825.50
	3AL00380AG	COA 607 Craft, OW & Alm w/ dual exp mem	1	1,135.06	1,135.06
	3AL00424AA	CCM 101 Software Programmable OC48 Xconn	2	1,986.35	3,972.71
030470	3AL00378AE	NEP 602 Network Processor w/ LAN	1	1,805.78	1,805.78
	3AL00308AA	HIFB01 High Speed OC3 IR 1310nm FC/PC	2	1,547.81	3,095.62
012270	3EM02991AAAA	HD Coax/Baffle/Fiber Panel	1	154.78	154.78
308042	3AL02830ACAC	ADR48 R2.02 Ring Network Software CD ROM	1	3,095.62	3,095.62
TOTAL 1603					\$ 17,509.30
030480	1603 SMX-SPR-01	Spares include the following:			
	600308-393-001	PWR A01 Power Converter	0.25	\$ 309.56	77.39
	3AL00124AB	CLK 202 Clock Unit	0.25	412.75	103.19
	3AL00380AG	COA 607 Craft, OW & Alm w/ dual exp mem	0.25	1,135.06	283.76
	3AL00424AA	CCM 101 Software Programmable OC48 Xconn	0.25	1,986.35	496.59
005803	3AL00114AB	625611-000-002 DS1 Floating Drop Interface DMI102	0.25	474.66	118.67
005802	625611-000-002	3AL00114AB Virtual Group Interface VTG102(4DS-1's/card)	0.25	386.95	96.74
421872	3AL00328AA	LIF701 DS3 Interface	0.25	696.51	174.13
012288	3AL00290AA	LDR 101 Line Driver/Receiver	0.25	224.43	56.11
	3AL00308AA	Optional Spares to be added HIFB01 High Speed OC3 IR 1310nm FC/PC	0.25 0.25	1,547.81	386.95
TOTAL SPARES					\$ 1,793.52
005803	3AL00114AB	DS1 Interface Cards 625611-000-002 DS1 Floating Drop Interface DMI102	2	474.66	949.32
005802	625611-000-002	3AL00114AB Virtual Group Interface VTG102(4DS-1's/card)	8	386.95	3,095.62
030799	3EM00932AB	DS1WW 202 DS1 Wire Wrap Panel Per DS1 Interface Card (28 DS1 capacity) per DS1	2	103.19	206.37
					\$ 4,251.31
					\$ 151.83
421872	3AL00328AA	DS3/STS1 Interface Cards LIF701 DS3 Interface	4	696.51	2,786.05
012288	3AL00290AA	LDR 101 Line Driver/Receiver	4	224.43	897.73
	3EM02075AA	CIOP 401 DS3/STS1 Input/Output Panel	1	103.19	103.19
	601303-540-042	Coax Ribbon Cable Assy w/ 8 BNC, 42" DS3 Interface Cards (Terminal equipped for 2 DS3s) per DS3	1	165.10	165.10
					\$ 3,952.07
					\$ 1,976.03
ENGINEERING HOURS			32		
INSTALLATION HOURS			84		

CONFIDENTIAL 0088

**Alcatel OC-12 Central Office Terminal (7'-0")
Equipped with 4 DS-3s/STS1 and 56 DS-1s**

Matcode	Configuration P/N	Configuration Description	Qty	Unit Price	Material Price
030464	1603 SMX-COT-01	7 FT frame assembly w/1-RS PDU w frame bus kit (1) 625002-000-008 Fan Panel with Filter (1) 3EM02211AA SLM201 SMX Shelf			\$ 2,495.56
030469	1603 SMX-COM-01	SMX COM-01 includes:			
	600308-393-001	PWR A01 Power Converter	3	309.56	928.68
	3AL00124AB	CLK 202 Clock Unit	2	412.75	825.50
	3AL00380AG	COA 607 Craft, OW & Alm w/ dual exp mem	1	1,135.06	1,135.06
	3AL00424AA	CCM 101 Software Programmable OC48 Xconn	2	1,986.35	3,972.71
030470	3AL00378AE	NEP 602 Network Processor w/ LAN	1	1,805.78	1,805.78
020653	3AL00238AC	HIF 603 High Speed OC12 IR 1310nm FC/PC	2	2,502.29	5,004.58
012270	3EM02991AAAA	HD Coax/Baffle/Fiber Panel	1	154.78	154.78
308042	3AL02830ACAC	ADR48 R2.02 Ring Network Software CD ROM	1	3,095.62	3,095.62
	601303-540-042	Coax Ribbon Cable Assy w/ 8 BNC, 42"	1	165.10	165.10
TOTAL 1603					\$ 19,583.36
030480	1603 SMX-SPR-01	Spares Include the following:			
	600308-393-001	PWR A01 Power Converter	0.25	\$ 309.56	77.39
	3AL00124AB	CLK 202 Clock Unit	0.25	412.75	103.19
	3AL00380AG	COA 607 Craft, OW & Alm w/ dual exp mem	0.25	1,135.06	283.76
	3AL00424AA	CCM 101 Software Programmable OC48 Xconn	0.25	1,986.35	496.59
005803	3AL00114AB	625611-000-002 DS1 Floating Drop Interface DMI102	0.25	474.66	118.67
005802	625611-000-002	3AL00114AB Virtual Group Interface VTG102(4DS-1's/card)	0.25	386.95	96.74
012287	3AL00224AC	LIF502 QUAD DS3/STS1 Interface	0.25	696.51	174.13
012288	3AL00290AA	LDR 101 Line Driver /Receiver	0.25	224.43	56.11
		Optional Spares to be added			
020653	3AL00238AC	HIF 603 High Speed OC12 IR 1310nm FC/PC	0.25	2,502.29	625.57
TOTAL SPARES					\$ 2,032.14
		4 DS3/STS1 Interface Cards			
012287	3AL00224AC	LIF502 QUAD DS3/STS1 Interface	2	696.51	1,393.03
012288	3AL00290AA	LDR 101 Line Driver /Receiver	8	224.43	1,795.46
	602407-536-001	1603/12 STS-1/DS3 I/O PANEL	1	103.19	103.19
4 DS3 Interface Cards (Terminal equipped w/ 4 DS3s) per DS3					\$ 3,291.67
per DS3					\$ 822.92
		OC-3 Interface Card			
012306	3AL48029AF	OC3 SR INTERFACE FC/PC OCMH04 per OC3 (Terminal equipped w/ 2 OC3s)	2	2,857.84	5,715.67
per OC3 (Terminal equipped w/ 2 OC3s)					\$ 5,715.67
ENGINEERING HOURS			41.3		
INSTALLATION HOURS			84		

Alcatel OC-48 LE Central Office Terminal (7'-0")
Equipped with 1 OC-12, 2-OC-3s, and 18 DS-3s

Order Code	Configuration P/N	Configuration Description	Qty	Unit Price	Material Price
012258	1648LE-COT-03	ALCATEL 1648: OC-48 COT BLSR DS3/STS1 MX Trib Shelf Expansion Units Includes: R.o6 4FBLSR LE 7" relay rack w/all shelves and cabling e/w: (4) 3AL48815AA Receive Line Interface (4) 3AL48817AA Transmit Line Interface (1) 3AL48835AA Common Shelf Processor (1) 3AL48836AA Trib Shelf Processor (4) 644-0009-001 Receive Access Module (4) 644-0010-001 Transmit Access Module (2) 644-0013-001 Tributary Transceiver (4) 644-0020-001 Receiver, FC/PC (4) 644-0028-001 Line Shelf Power Supply (3) 644-0030-002 Common Shelf Power Supply (1) 644-0104-002 Ring Controller, Bi-ring (2) 822-0115-001 Synchronizer Card (1) 822-0294-001 USI-LAN Interface (1) 3AL48935ABAA Software, LE Bi Ring, 4 fiber R6.01 648-0472-025 Cable, 24 Cond. 1 Plug 50 ft 648-0474-045 Cable, 64 Pin Plug, 50 ft 694-1986-006 Front Cover common shelf 694-1986-007 Front Cover Trib Shelf 622-9478-001 DS3 Switch 644-0013-001 Tributary Transceiver 695-2137-002 Front Cover Line shelf	1	\$ 73,427.79	\$ 73,427.79
018870	1648-COT-04	ALCATEL 1648: OC-48 HD Tributary Expansion Shelf Expansion Units Includes: (1) Tributary Shelf (1) Tributary Shelf Processor (2) DS3 Switch (4) Tributary Transceiver (2) Common Shelf Power Supply	1	13,968.41	13,968.41
012296		644-0018-001 Transmitter, 1310 NM, FC/PC	4	5,540.70	22,162.82
306891	3AL02487AKAB	Craft Interface Software 1301 NMX EXPLORER CORE SW R1.5.2 CDROM	1	816.52	816.52
031135	3AL68205AFAA	1648 SM APP FOR 1301 NMX R7.00	1	699.88	699.88
012343	1648-SPR-01	ALCATEL 1648: OC-48 Common Spares Long Reach Optics Includes: (1-Set) 1648 OC-48 Common Equip. Spares	0.25	27,995.14	6,998.78
012296		644-0018-001 Transmitter, 1310 NM, FC/PC	0.25	5,540.70	1,385.18
019523		3AL48031AK OC-12 Interface, FC/PC	0.25	4,549.21	1,137.30
012306	3AL48029AF	OC3 SR INTERFACE FC/PC OCMH04	0.25	2,857.84	714.46
421948		644-0081-001 DS3/STS-2 Interface (3 DS-3 per module)	0.25	4,899.15	1,224.79
		Terminal Material Costs			\$ 122,535.92
019523		OC-12 Interface Card 3AL48031AK OC-12 Interface, FC/PC per OC12 (Terminal equipped with 1 OC12)	2	4,549.21	9,098.42
					\$ 9,098.42
012306		OC-3 Interface Card 3AL48029AF OC-3 Short Reach Interface per OC3 (Terminal equipped w/ 2 OC3s)	4	2,857.84	11,431.35
					\$ 5,715.67
421948		3 DS3 Interface Card 644-0081-001 DS3/STS-2 Interface (3 DS-3 per module) per card (3 DS3s) (Terminal equipped w/ 18 DS3s)	8	4,899.15	39,193.19
					\$ 6,532.20
		TOTAL MATERIAL			
		ENGINEERING HOURS	68		
		INSTALLATION HOURS	120		

Lucent FT-2000 (OC-48) Ring Terminal
Equipped with 1 OC-12, 2 OC-3s and 18 DS-3s

Order Code	Configuration	Configuration Description	Qty	Unit Price	Material Price
		Fiber Terminal Shelf (OC48)			
		FT2000 OC-48 Fiber Ring Bay	1	\$ 6,006.17	\$ 6,006.17
		Optic Transmitter (Inter Rch)	2	22,646.23	45,292.45
		Optic RCVR	2	7,066.08	14,132.16
		Timing Generator	2	628.10	1,256.19
		SYS Controller	1	628.10	628.10
		Line Controller	1	785.12	785.12
		System Memory	1	650.53	650.53
		OH CTL	2	616.88	1,233.76
		OE CTL	1	2,323.96	2,323.96
		LS PROT SW	2	376.86	753.72
		2-Fiber Ring SFTW	1	1,682.40	1,682.40
		Spares			
		Optic Transmitter (Inter Rch)	0.25	22,646.23	5,661.58
		Optic RCVR	0.25	7,066.08	1,766.52
		Timing Generator	0.25	628.10	157.02
		SYS Controller	0.25	628.10	157.02
		Line Controller	0.25	785.12	196.28
		System Memory	0.25	650.53	162.63
		OH CTL	0.25	616.88	154.22
		OE CTL	0.25	2,323.96	580.99
		LS PROT SW	0.25	376.86	94.21
		OC-12 OPT LS CARD	0.25	9,716.42	2,429.11
		OC-3 OPT LS CARD	0.25	3,611.55	902.89
		(3) DS3 Triple DS3 CP	0.25	3,258.25	814.56
		Terminal Material Costs			\$ 87,821.56
		OC-12 Interface			
		OC-12 OPT LS CARD	1	9,716.42	\$ 9,716.42
		per OC12			\$ 9,716.42
		OC-3 OPT LS CARD			
			2	3,611.55	\$ 7,223.10
		per OC3			\$ 7,223.10
		DS3 Interface			
		(3) DS3 Triple DS3 CP	6	3,258.25	\$ 19,549.49
		per card (3 DS3s)			\$ 6,516.50
		TOTAL MATERIAL			
		ENGINEERING HOURS	50		
		INSTALLATION HOURS	120		

CONFIDENTIAL 0091

Alcatel OC-3 Regenerator (Shelf)

Matcode	Configuration P/N	Configuration Description	Qty	Unit Price	Material Price
014130	625640-000-001	1603/12 SM Shelf, Shared Power SP101	1	\$ 825.50	\$ 825.50
014130	625640-000-001	ALCATEL 1603/12: OC-3 Central Office Terminal (Less Shelf) 7'x 23" Unequal Flange Frame Assembly	.33	825.50	272.41
		Fuse & Alarm Panel GMT (-48V) Filtered Fuse Panel	.33		
		Power, Grd, and Alm cable assy.	.33		
		*Common units not included.			
005805		625636-000-001 OC3 Heat Baffle w/fiber storage (2 rack spaces)	1	64.49	64.49
012273		625052-000-004 Fan Panel with Filter	.33	319.88	105.56
025015	1603/12-COM-02-VSC	OC-3 Common Cards Long Reach Optics			
		3AL00124AB Clock, Plug in CLK202 R3.1	2	412.75	825.50
		3AL02229ACAB HIF503	2	2,786.05	5,572.11
		600308-393-001 Power Supply PWRA01	3	309.56	928.68
		3AL00380AJ Craft, Orderwire and Alarm Plug In Unit COA 609	1	825.50	825.50
		3AL02726AEAA SW7.04	1	2,725.49	2,725.49
		3AL00262AB VSCC302	2	1,646.75	3,297.50
012288		3AL00290AA DS-3/STS-1 Line Driver	4	224.43	897.73
024362	1603/12-SPR-02	ALCATEL 1603/12: OC-3 Common Repeater Spares Long Reach Optics Includes: (1-Set) 1603/12 OC-3 Common Equip. Spares	1	5,546.31	5,546.31
030470	3AL00378AE	NETWORK ELEMENT PROCESSOR ONE REQUIRED PER SHELF NEP 602 Network Processor w/ LAN	1	1,805.78	1,805.78
306891	3AL02487AKAB	Craft Interface Software 1301 NMX EXPLORER CORE SW R1.5.2 CDROM	1	816.52	816.52
031135	3AL68205AFAA	1648 SM APP FOR 1301 NMX R7.00	1	599.88	599.88
		TOTAL MATERIAL			\$ 25,208.96
		ENGINEERING HOURS	20		
		INSTALLATION HOURS	30		

Alcatel OC-12 Regenerator (Shelf)

Matcode	Configuration P/N	Configuration Description	Qty	Unit Price	Material Price
01430		1603/12 SM Shelf, Shared Power SP101 Central Office Bay Configuration	1	\$ 928.68	\$ 928.68
014130		ALCATEL 1603/12: OC-3 Central Office Terminal 7'x 23" Unequal Flange Frame Assembly Fuse & Alarm Panel GMT (-48V) Filtered Fuse Panel Power, Grd, and Alm cable assy. *Common units not included.	.33 .33 .33	1,702.59	561.85
012270		625637-000-001 OC12 Heat Baffle w/Coax Panel/Fiber Storage	1	154.78	154.78
020725	1603/12-COM-04	OC-12 Common Cards Long Reach Optics 3AL00124AB Clock, Plug in CLK202 R3.1 3AL00316AA HIF901 600308-393-001 Power Supply PWRA01 3AL00380AJ Craft, Orderwire and Alarm Plug In Unit COA 609 3AL02726AEAA SW 7.04 3AL00262AB VSCC302	2 2 3 1 1 2	412.75 3,353.58 309.56 825.50 2,725.49 1,648.75	825.50 6,707.17 928.68 825.50 2,725.49 3,297.50
020567	1603/12-SPR-04	ALCATEL 1603/12: OC-12 Common Long Reach Spares Long Reach Optics Includes: (1-Set) 1603/12 OC-12 Common Equip. Spares	1	8,479.30	8,479.30
030470		NETWORK ELEMENT PROCESSOR ONE REQUIRED PER SHELF 3AL00378AE Network Element Processor NEP 402 (LAN)	1	1,805.78	1,805.78
306892 022997	3AL02487AKAA	Craft Interface Software 1301 NMX EXPLORER CORE SW R1.5.2 DISK 3AL009410ABAA 1603/12 SM APP for 1301NM R7.01	1 1	816.52 805.66	816.52 805.66
		TOTAL MATERIAL			\$28,662.42
		ENGINEERING HOURS	20		
		INSTALLATION HOURS	30		

Alcatel OC-48 Regenerator (Bay)

Order Code	Configuration P/N	Configuration Description	Qty	Unit Price	Material Price
012258	1648-COT-01	ALCATEL 1648: SM BI Ring MX Trib Expansion Units Includes: First Expansion Bay with 1 Trib Shelf (1) Trib Shelf Processor (2) DS3 Switch (4) Tributary Transceiver (2) Common Shelf Power Supply	1	\$ 12,652.77	\$ 12,652.77
012260	1648-COM-01	OC-48 Common Card Units	1	85,851.75	85,851.75
012296		644-0018-001 Transmitter, 1310 NM, FC/PC	4	5,540.70	22,162.82
306891	3AL02487AKAB	Craft Interface Software	1	816.52	816.52
031135	3AL68205AFAA	1301 NMX EXPLORER CORE SW R1.5.2 CDROM 1648 SM APP FOR 1301 NMX R7.00	1	899.88	899.88
		TOTAL MATERIAL			\$ 122,183.74
		ENGINEERING HOURS	20		
		INSTALLATION HOURS	30		

Lucent FT-2000 (OC-48) Regenerator

Order Code	Configuration P/N.	Configuration Description	Qty	Unit Price	Material Price
		Fiber Terminal Shelf (OC48)			
		Dual bay with one OC-48 System	1	\$ 9,533.60	\$ 9,533.60
		TG3 (DS1) Cp-LAA18	2	897.28	1,794.56
		System Controller - LAA23B	1	897.28	897.28
		System Memory 4 Mbyte - LAA25	1	672.96	672.96
		Line Controller (4Mg) A/D & ring - LAA28	1	953.36	953.36
		Overhead Controller - LAA21	2	672.96	1,345.92
		A/D ring Rcv - 839B5 Rel 7.0 (STS-1)	2	6,673.52	13,347.04
		1.3um Txr 23db A/D & rings 53Km - 739B5 Rel 7.0 (STS-1)	2	15,175.25	30,350.50
		Software			
		Rel. 7.2 Disk & Sftwr Documentation	1	Incl.	
		Rel. 7.2 App RTU	1	2,944.20	2,944.20
		Rel. 7.2 OS RTU	1	8,832.60	8,832.60
		Release 7.2 User Service Manual	1	Incl.	
		TOTAL MATERIAL			\$ 70,672.02
		ENGINEERING HOURS	20		
		INSTALLATION HOURS	30		

Seicor Fiber Patch Panel

Item	Configuration P/N	Configuration Description	Qty	Unit Price	Material Price
968311	ACH-72-11	72 Fiber Angled Panel Housing equipped with: 72 FC Sleeves intalled	1	\$ 881.58	\$ 881.58
		TOTAL MATERIAL 70% Utilization			\$881.58 \$1,259.40
		Material per fiber			\$17.49
		ENGINEERING HOURS per fiber	8.00 0.11		
		INSTALLATION HOURS per fiber	16 0.22		

Selcor Fiber Tip Cable

Mat. Code	Configuration P/N	Configuration Description	Qty	Unit Price	Material Price
964081	545401R3131050M	Ultra FCPC-to-FCPC 50 Meter	1	\$ 31.38	\$ 31.38
		TOTAL MATERIAL			\$ 31.38
		ENGINEERING HOURS	0.02		
		INSTALLATION HOURS	0.03		

Note: Fiber tip cables can be ordered in a variety of lengths.
 This jumper represents the median cost of the family of cables.

Telect DSX-3 Cross Connect Chassis & Modules

Item	Configuration P/N	Configuration Description	Qty	Unit Price	Material Price
966134	010-0000-0501	DSX-3 80/85 Chassis, wired for 16 Modules, 19"x7" Material Cost DSX-3 Cross Connect Shelf (16 DS3 capacity equal to 448 DS1s)	1	\$ 193.48	\$ 193.48
					\$ 193.48
965979	010-8601-0401	DSX-3/4 Module, MW, Front LED, ADC Compatible	1	221.40	221.40
966171	043-0922-012	12FT Mini-WECO to Mini-WECO Coaxial Patch Cord Material Cost for Cross Connect Card (one DS3 capacity to 28 DS1s)	1	24.22	24.22
					\$ 245.62
		ENGINEERING HOURS	8		
		INSTALLATION HOURS	16		

Notes: Material & engineering hours applied to Cross Connect Shelf
No additional engineering/installation for individual cards

Telect DSX-1 Cross Connect Chassis

Item	Configuration P/N	Configuration Description	Qty	Unit Price	Material Price
965974	010-4084-4011	DSX-WW1C, 4000 Series, 23"x7" 84-Ckt w/21 DSX-1/1C, Chassis Rear Tie Rings	1	\$ 1,550.67	\$ 1,550.67
		TOTAL MATERIAL (84 DS1 capacity)			\$ 1,550.67
		ENGINEERING HOURS	8		
		INSTALLATION HOURS	16		

Adtran Intelligent D4 Channel Bank

Item	Configuration P/N	Configuration Description	Qty	Unit Price	Material Price
520225	4150ACT2300L4	Intelligent P.M. ACT 2300 Channel Bank System equipped with:	1	\$ 2,605.48	\$ 2,605.48
520251	1150052L1	ACT 2300 Power Supply Unit (PSU)	2		
520248	1150055L2	ACT 2300 Bank Controller Unit (BCU with PAM)	1		
520249	1150070L1	ACT 2300 Line Interface Unit (LIU)	1		
		DSX-WW1C, 4000 Series, 23"x7" 84 Ckt w/21 DSX-1/1C	1	1,550.67	1,550.67
		Switchboard Cable 100 pr./100 ft	1	65.55	65.55
		Relay Rack	1	240.28	240.28
		Fuse Panel	1	656.14	656.14
		Common Spares:			
520251	1150052L1	ACT 2300 Power Supply Unit (PSU)	0.167	214.23	35.78
520248	1150055L2	ACT 2300 Bank Controller Unit (BCU with PAM)	0.167	858.02	143.29
520249	1150070L1	ACT 2300 Line Interface Unit (LIU)	0.167	257.97	43.08
		Channel Bank Shelf Material Cost (1 DS1 capacity)			\$ 5,340.25
		Channel Units¹:			
022966	AWX377G1	D4 Channel Unit (Generic)	1	144.69	144.69
		Material Cost per Card (.0417 DS1 capacity)			\$ 144.69
			1		
		ENGINEERING HOURS	12		
		INSTALLATION HOURS	40		

Note: Material & engineering hours applied to Channel Bank Shelf
No additional engineering/installation for individual cards