

DECLASSIFIED CONFIDENTIAL

NR 1-27-03

990649A-TP

FLORIDA DOCKET 990649-TP
 UPDATED BFP ATTACHMENT 8-A
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011195

Copper Labor & EF&I Costing - Underground 24 Gauge

Line No.	Description	Formula	Rate	BellSouth Cable Size			Rate	AT&T-WCom Cable Size		
				25	1200	4200		25	1200	4200
1	Labor rate (Splicing and Placing)	BSTLM Input	\$49.05				\$42.09			
2	Placing Labor per 100 ft.	BSTLM Input		2.50	2.50	2.50		0.58	0.58	0.58
3	Total Placing Cost per Foot	Ln1 * Ln2 / 100		\$1.23	\$1.23	\$1.23		\$0.25	\$0.25	\$0.25
4	Splicing Set-up Hours	BSTLM Input		0	0	0		2.00	2.00	2.00
5	Splicing Travel Hours	BSTLM Input		0	0	0		0.25	0.25	0.25
6	Splicing Labor per 100 pairs	BSTLM Input		5.32	5.32	5.32		0.40	0.40	0.40
7	Splicing Labor Hours per 100 pairs for Stub	BSTLM Input		5.32	5.32	5.32		-	-	-
8	Splicing Hours	Ln4 + Ln5 + Cable Size / 100* (Ln6 + Ln7)		2.66	127.68	446.88		2.35	7.05	19.05
9	Splicing Cost	Ln1 * Ln 8		\$130.47	\$6,262.70	\$21,919.46		\$98.92	\$296.75	\$801.85
10	Assumption of Splicing per X Feet	Assumption	600				600			
11	Splicing Cost per X Feet	Ln9 / Ln 10		\$0.22	\$10.44	\$36.53		\$0.16	\$0.49	\$1.34
12	Material Cost Per Foot	BSTLM Input		\$0.13	\$6.45	\$22.26		\$0.13	\$6.45	\$22.26
13	Material Loading	Rate * Ln12	165.08%	\$0.21	\$10.65	\$36.75		\$0.10	\$1.22	\$4.03
14	Inflation	Rate * Ln12 + Sum (Ln15 : L18) * Rate * Ln12	9.26%	\$0.03	\$1.45	\$5.00	-2.66%	\$0.00	-\$0.21	-\$0.71
15	Tax Rate	Rate * Ln12	6.00%	\$0.01	\$0.39	\$1.34	6.00%	\$0.01	\$0.39	\$1.34
16	Misc. Material Loading*	Rate * Ln12	98.90%	\$0.13	\$6.38	\$22.01		\$0.08	\$0.15	\$0.32
17	Supply Expense Loading	Rate * Ln12	10.55%	\$0.01	\$0.68	\$2.35	10.55%	\$0.01	\$0.68	\$2.35
18	Other Loading	Ln18a + Ln 18b + Ln18c	27.18%	\$0.04	\$1.75	\$6.05	3.31%	\$0.00	\$0.21	\$0.74
18a	Plt Labor - Indirect Salary, Benefits Other	Rate * Ln12	23.87%	\$0.03	\$1.54	\$5.31	0.00%	\$0.00	\$0.00	\$0.00
18b	Right of Way Items	Rate * Ln12	0.16%	\$0.00	\$0.01	\$0.04	0.16%	\$0.00	\$0.01	\$0.04
18c	Interest During Construction Items	Rate * Ln12	3.15%	\$0.00	\$0.20	\$0.70	3.15%	\$0.00	\$0.20	\$0.70
19	Placing Cost	Ln3		\$1.23	\$1.23	\$1.23		\$0.25	\$0.25	\$0.25
20	Splicing Cost	Ln11		\$0.22	\$10.44	\$36.53		\$0.16	\$0.49	\$1.34
21	Material, Material Loading and Labor	Ln 12 + Ln13 + Ln 19 + Ln20		\$1.79	\$28.76	\$96.77		\$0.64	\$8.41	\$27.87
22	Engineering Loading	Rate * Ln21	8.81%	\$0.16	\$2.53	\$8.53	7.41%	\$0.05	\$0.62	\$2.07
23	Total Loading	Ln13 + Ln19 + Ln20 + Ln22		\$1.82	\$24.85	\$83.03		\$0.56	\$2.59	\$7.67
24	Total Cable Cost per Foot	Ln12 + Ln23		\$1.95	\$31.30	\$105.29		\$0.69	\$9.04	\$29.93

FCC SynMod \$5.28 \$15.16 \$40.36

* Miscellaneous material for AT&T WorldCom is 20% of contract labor

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FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 990649A-TP EXHIBIT NO. 57

COMPANY/

WITNESS:

DATE: 3/11-12/02

CONTAINS BELL SOUTH PROPRIETARY INFORMATION

DOCUMENT NUMBER-DATE

02748 MAR-88

FPSC-COMMISSION CLERK

Copper Labor & EF&I Costing - Buried 24 Gauge

Line No.	Description	Formula	Rate	BellSouth Cable Size			AT&T-WCom Cable Size		
				25	1200	4200	25	1200	4200
1	Labor rate (Splicing and Placing)	BSTLM Input	\$49.05				\$42.09		
2	Placing Labor per 100 ft.	BSTLM Input					0.11	0.11	0.11
3	Total Placing Cost per Foot	Ln1 * Ln2 / 100		\$0.00	\$0.00	\$0.00	\$0.05	\$0.05	\$0.05
4	Splicing Set-up Hours	BSTLM Input		0	0	0	2.00	2.00	2.00
5	Splicing Travel Hours	BSTLM Input		0	0	0	0.25	0.25	0.25
6	Splicing Labor per 100 pairs	BSTLM Input		0	0	0	0.40	0.40	0.40
7	Splicing Labor Hours per 100 pairs for Stub	BSTLM Input		3.07	3.07	3.07	-	-	-
8	Splicing Hours	Ln4 + Ln5 + Cable Size / 100* (Ln6 + Ln7)		0.77	36.84	128.94	2.35	7.05	19.05
9	Splicing Cost	Ln1 * Ln 8		\$37.65	\$1,807.00	\$6,324.51	\$98.91	\$296.73	\$801.81
10	Assumption of Splicing per X Feet	Assumption	600				600		
11	Splicing Cost per X Feet	Ln9 / Ln 10		\$0.06	\$3.01	\$10.54	\$0.16	\$0.49	\$1.34
12	Material Cost Per Foot	BSTLM Input		\$0.23	\$6.74	\$23.52	\$0.23	\$6.74	\$23.52
13	Material Loading	Rate * Ln12	102.94%	\$0.24	\$6.94	\$24.21	25.19%	\$0.10	\$1.81
14	Inflation	Rate * Ln12 + Sum (Ln15 : L18) * Rate * Ln12	7.15%	\$0.03	\$0.91	\$3.19	0.98%	\$0.00	\$0.08
15	Tax Rate	Rate * Ln12	6.00%	\$0.01	\$0.40	\$1.41	6.00%	\$0.01	\$0.40
16	Misc. Material Loading*	Rate * Ln12	52.65%	\$0.12	\$3.55	\$12.38	0.04	\$0.11	\$0.28
17	Supply Expense Loading	Rate * Ln12	8.10%	\$0.02	\$0.55	\$1.90	8.10%	\$0.02	\$0.55
18	Other Loading	Ln18a + Ln 18b + Ln18c	22.64%	\$0.05	\$1.53	\$5.33	9.88%	\$0.02	\$0.67
18a	Plt Labor - Indirect Salary, Benefits Other	Rate * Ln12	12.76%	\$0.03	\$0.86	\$3.00	0.00%	\$0.00	\$0.00
18b	Right of Way Items	Rate * Ln12	8.61%	\$0.02	\$0.58	\$2.02	8.61%	\$0.02	\$0.58
18c	Interest During Construction Items	Rate * Ln12	1.27%	\$0.00	\$0.09	\$0.30	1.27%	\$0.00	\$0.09
19	Placing Cost	Ln3		\$0.00	\$0.00	\$0.00		\$0.05	\$0.05
20	Splicing Cost	Ln11		\$0.06	\$3.01	\$10.54		\$0.16	\$0.49
21	Material, Material Loading and Labor	Ln 12 + Ln13 + Ln 19 + Ln20		\$0.53	\$16.69	\$58.27		\$0.54	\$9.09
22	Engineering Loading	Rate * Ln21	20.76%	\$0.11	\$3.46	\$12.10	10.24%	\$0.06	\$0.93
23	Total Loading	Ln13 + Ln19 + Ln20 + Ln22		\$0.41	\$13.41	\$46.85		\$0.37	\$3.28
24	Total Cable Cost per Foot	Ln12 + Ln23		\$0.64	\$20.15	\$70.37		\$0.60	\$10.02
			FCC SynMod	\$0.91	\$12.47	\$41.97			

* Miscellaneous material for AT&T WorldCom is 20% of contract labor

011197

Copper Labor & EF&I Costing - Aerial 24 Gauge

Line No.	Description	Formula	Rate	BellSouth Cable Size			Rate	AT&T-WCom Cable Size		
				25	1200	4200		25	1200	4200
1	Labor rate (Splicing and Placing)	BSTLM Input	\$49.05				\$42.09			
2	Placing Labor per 100 ft.	BSTLM Input		1.25	1.25	1.25		0.18	0.18	0.18
3	Total Placing Cost per Foot	Ln1 * Ln2 / 100		\$0.61	\$0.61	\$0.61		\$0.08	\$0.08	\$0.08
4	Splicing Set-up Hours	BSTLM Input		0	0	0		2.00	2.00	2.00
5	Splicing Travel Hours	BSTLM Input		0	0	0		0.25	0.25	0.25
6	Splicing Labor per 100 pairs	BSTLM Input		0	0	0		0.40	0.40	0.40
7	Splicing Labor Hours per 100 pairs for Stub	BSTLM Input		3.32	3.32	3.32		-	-	-
8	Splicing Hours	Ln4 + Ln5 + Cable Size / 100* (Ln6 + Ln7)		0.83	39.84	139.44		2.35	7.05	19.05
9	Splicing Cost	Ln1 * Ln 8		\$40.71	\$1,954.15	\$6,839.53		\$98.91	\$296.73	\$801.81
10	Assumption of Splicing per X Feet	Assumption	600				600			
11	Splicing Cost per X Feet	Ln9 / Ln 10		\$0.07	\$3.26	\$11.40		\$0.16	\$0.49	\$1.34
12	Material Cost Per Foot	BSTLM Input		\$0.32	\$6.58	\$23.94		\$0.32	\$6.58	\$23.94
13	Material Loading	Rate * Ln12	195.45%	\$0.63	\$12.86	\$46.79		\$0.10	\$1.27	\$4.50
14	Inflation	Rate * Ln12 + Sum (Ln15 : L18) * Rate * Ln12	8.22%	\$0.07	\$1.48	\$5.37	-3.75%	-\$0.01	-\$0.30	-\$1.10
15	Tax Rate	Rate * Ln12	6.00%	\$0.02	\$0.39	\$1.44	6.00%	\$0.02	\$0.39	\$1.44
16	Misc. Material Loading*	Rate * Ln12	121.26%	\$0.39	\$7.98	\$29.03		\$0.05	\$0.11	\$0.28
17	Supply Expense Loading	Rate * Ln12	11.47%	\$0.04	\$0.75	\$2.75	11.47%	\$0.04	\$0.75	\$2.75
18	Other Loading	Ln18a + Ln 18b + Ln18c	34.29%	\$0.11	\$2.26	\$8.21	4.71%	\$0.02	\$0.31	\$1.13
18a	Plt Labor - Indirect Salary, Benefits Other	Rate * Ln12	29.58%	\$0.09	\$1.95	\$7.08	0.00%	\$0.00	\$0.00	\$0.00
18b	Right of Way Items	Rate * Ln12	3.48%	\$0.01	\$0.23	\$0.83	3.48%	\$0.01	\$0.23	\$0.83
18c	Interest During Construction Items	Rate * Ln12	1.23%	\$0.00	\$0.08	\$0.29	1.23%	\$0.00	\$0.08	\$0.29
19	Placing Cost	Ln3		\$0.61	\$0.61	\$0.61		\$0.08	\$0.08	\$0.08
20	Splicing Cost	Ln11		\$0.07	\$3.26	\$11.40		\$0.16	\$0.49	\$1.34
21	Material, Material Loading and Labor	Ln 12 + Ln13 + Ln 19 + Ln20		\$1.63	\$23.31	\$82.74		\$0.67	\$8.42	\$29.85
22	Engineering Loading	Rate * Ln21	12.52%	\$0.20	\$2.92	\$10.36	7.30%	\$0.05	\$0.61	\$2.18
23	Total Loading	Ln13 + Ln19 + Ln20 + Ln22		\$1.51	\$19.65	\$69.16		\$0.39	\$2.46	\$8.09
24	Total Cable Cost per Foot	Ln12 + Ln23		\$1.83	\$26.23	\$93.10		\$0.71	\$9.04	\$32.03
				FCC SynMod	\$1.53	\$12.23	\$39.57			

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Fiber Labor & EF&I Costing - Underground

Line No.	Description	Formula	Rate	BellSouth Cable Size			Rate	AT&T-WCom Cable Size		
				24	72	144		24	72	144
1	Labor rate (Splicing and Placing)	BSTLM Input	\$49.05				\$42.09			
2	Placing Labor per 100 ft.	BSTLM Input		1.50	1.50	1.50	0.58	0.58	0.58	
3	Total Placing Cost per Foot	Ln1 * Ln2 / 100		\$0.74	\$0.74	\$0.74	\$0.25	\$0.25	\$0.25	
4	Splicing Set-up Hours	BSTLM Input		0	0	0	2.00	2.00	2.00	
5	Splicing Travel Hours	BSTLM Input		0	0	0	0.25	0.25	0.25	
6	Splicing Labor per strand	BSTLM Input		0.10	0.10	0.10	0.10	0.10	0.10	
7	Splicing Hours	Ln4 + Ln5 + Cable Size / 100* Ln6		2.40	7.20	14.40	4.65	9.45	16.65	
8	Splicing Cost	Ln1 * Ln 7		\$117.72	\$353.16	\$706.32	\$195.73	\$397.77	\$700.83	
9	Assumption of Splicing per X Feet	Assumption	600				600			
10	Splicing Cost per X Feet	Ln8 / Ln 9		\$0.20	\$0.59	\$1.18	\$0.33	\$0.66	\$1.17	
11	Material Cost Per Foot	BSTLM Input		\$0.72	\$1.58	\$2.77	\$0.72	\$1.58	\$2.77	
12	Material Loading	Rate * Ln11	38.55%	\$0.28	\$0.61	\$1.07	\$0.21	\$0.40	\$0.66	
13	Inflation	Rate * Ln11 + Sum (Ln14 : L17) * Rate * Ln11	0.00%	\$0.00	\$0.00	\$0.00	-2.12%	-\$0.02	-\$0.04	-\$0.07
14	Tax Rate	Rate * Ln11	6.00%	\$0.04	\$0.09	\$0.17	6.00%	\$0.04	\$0.09	\$0.17
15	Misc. Material Loading*	Rate * Ln11	17.98%	\$0.13	\$0.28	\$0.50	\$0.11	\$0.18	\$0.28	
16	Supply Expense Loading	Rate * Ln11	6.75%	\$0.05	\$0.11	\$0.19	6.75%	\$0.05	\$0.11	\$0.19
17	Other Loading	Ln17a + Ln 17b + Ln17c	7.82%	\$0.06	\$0.12	\$0.22	3.45%	\$0.02	\$0.05	\$0.10
17a	Pft Labor - Indirect Salary, Benefits Other	Rate * Ln11	4.36%	\$0.03	\$0.07	\$0.12	0.00%	\$0.00	\$0.00	\$0.00
17b	Right of Way Items	Rate * Ln11	0.06%	\$0.00	\$0.00	\$0.00	0.06%	\$0.00	\$0.00	\$0.00
17c	Interest During Construction Items	Rate * Ln11	3.39%	\$0.02	\$0.05	\$0.09	3.39%	\$0.02	\$0.05	\$0.09
18	Placing Cost	Ln3		\$0.74	\$0.74	\$0.74	\$0.25	\$0.25	\$0.25	
19	Splicing Cost	Ln10		\$0.20	\$0.59	\$1.18	\$0.33	\$0.66	\$1.17	
20	Material, Material Loading and Labor	Ln 11 + Ln12 + Ln 18 + Ln19		\$1.93	\$3.51	\$5.75	\$1.51	\$2.89	\$4.85	
21	Engineering Loading	Rate * Ln20	8.12%	\$0.16	\$0.29	\$0.47	4.62%	\$0.07	\$0.13	\$0.22
22	Total Loading	Ln12 + Ln18 + Ln19 + Ln21		\$1.37	\$2.22	\$3.45	\$0.85	\$1.44	\$2.30	
23	Total Cable Cost per Foot	Ln11 + Ln22		\$2.09	\$3.80	\$6.22	\$1.57	\$3.02	\$5.07	
				FCC SynMod	\$3.40	\$4.49	\$6.14			

* Miscellaneous material for AT&T WorldCom is 20% of contract labor

011199

Fiber Labor & EF&I Costing - Buried

Line No.	Description	Formula	Rate	BellSouth Cable Size			AT&T-WCom Cable Size			
				24	72	144	Rate	24	72	144
1	Labor rate (Splicing and Placing)	BSTLM Input	\$49.05				\$42.09			
2	Placing Labor per 100 ft.	BSTLM Input					0.11	0.11	0.11	
3	Total Placing Cost per Foot	Ln1 * Ln2 / 100		\$0.00	\$0.00	\$0.00	\$0.05	\$0.05	\$0.05	
4	Splicing Set-up Hours	BSTLM Input		0	0	0	2.00	2.00	2.00	
5	Splicing Travel Hours	BSTLM Input		0	0	0	0.25	0.25	0.25	
6	Splicing Labor per strand	BSTLM Input		0.09	0.09	0.09	0.10	0.10	0.10	
8	Splicing Hours	Ln4 + Ln5 + Cable Size / 100* Ln6		2.04	6.12	12.24	4.65	9.45	16.65	
9	Splicing Cost	Ln1 * Ln 7		\$100.06	\$300.19	\$600.37	\$195.72	\$397.75	\$700.80	
10	Assumption of Splicing per X Feet	Assumption	600				600			
11	Splicing Cost per X Feet	Ln8 / Ln 9		\$0.17	\$0.50	\$1.00	\$0.33	\$0.66	\$1.17	
12	Material Cost Per Foot	BSTLM Input		\$0.72	\$1.58	\$2.77	\$0.72	\$1.58	\$2.77	
13	Material Loading	Rate * Ln11	46.91%	\$0.34	\$0.74	\$1.30	\$0.19	\$0.39	\$0.69	
14	Inflation	Rate * Ln11 + Sum (Ln14 : L17) * Rate * Ln11	4.05%	\$0.04	\$0.09	\$0.16	-2.12%	-\$0.02	-\$0.04	-\$0.07
15	Tax Rate	Rate * Ln11	6.00%	\$0.04	\$0.09	\$0.17	6.00%	\$0.04	\$0.09	\$0.17
16	Misc. Material Loading*	Rate * Ln11	18.30%	\$0.13	\$0.29	\$0.51	\$0.07	\$0.14	\$0.24	
17	Supply Expense Loading	Rate * Ln11	7.52%	\$0.05	\$0.12	\$0.21	7.52%	\$0.05	\$0.12	\$0.21
18	Other Loading	Ln17a + Ln 17b + Ln17c	9.37%	\$0.07	\$0.15	\$0.26	4.97%	\$0.04	\$0.08	\$0.14
18a	Plt Labor - Indirect Salary, Benefits Other	Rate * Ln11	4.40%	\$0.03	\$0.07	\$0.12	0.00%	\$0.00	\$0.00	\$0.00
18b	Right of Way Items	Rate * Ln11	1.06%	\$0.01	\$0.02	\$0.03	1.06%	\$0.01	\$0.02	\$0.03
18c	Interest During Construction Items	Rate * Ln11	3.91%	\$0.03	\$0.06	\$0.11	3.91%	\$0.03	\$0.06	\$0.11
19	Placing Cost	Ln3		\$0.00	\$0.00	\$0.00	\$0.05	\$0.05	\$0.05	
20	Splicing Cost	Ln10		\$0.17	\$0.50	\$1.00	\$0.33	\$0.66	\$1.17	
21	Material, Material Loading and Labor	Ln 11 + Ln12 + Ln 18 + Ln19		\$1.22	\$2.82	\$5.07	\$1.28	\$2.68	\$4.67	
22	Engineering Loading	Rate * Ln20	22.90%	\$0.28	\$0.65	\$1.16	11.10%	\$0.14	\$0.30	\$0.52
23	Total Loading	Ln12 + Ln18 + Ln19 + Ln21		\$0.79	\$1.89	\$3.46	\$0.70	\$1.40	\$2.42	
24	Total Cable Cost per Foot	Ln11 + Ln22		\$1.51	\$3.47	\$6.23	\$1.42	\$2.98	\$5.19	
				FCC SynMod	\$1.32	\$2.70	\$4.76			

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011200

Fiber Labor & EF&I Costing - Aerial

Line No.	Description	Formula	Rate	BellSouth Cable Size			Rate	AT&T-WCom Cable Size		
				24	72	144		24	72	144
1	Labor rate (Splicing and Placing)	BSTLM Input	\$49.05				\$42.09			
2	Placing Labor per 100 ft.	BSTLM Input		1.17	1.17	1.17		0.18	0.18	0.18
3	Total Placing Cost per Foot	Ln1 * Ln2 / 100		\$0.57	\$0.57	\$0.57		\$0.08	\$0.08	\$0.08
4	Splicing Set-up Hours	BSTLM Input		0	0	0		2.00	2.00	2.00
5	Splicing Travel Hours	BSTLM Input		0	0	0		0.25	0.25	0.25
6	Splicing Labor per strand	BSTLM Input		0.08	0.08	0.08		0.10	0.10	0.10
8	Splicing Hours	Ln4 + Ln5 + Cable Size / 100* Ln6		1.92	5.76	11.52		4.65	9.45	16.65
9	Splicing Cost	Ln1 * Ln 7		\$94.18	\$282.53	\$565.06		\$195.72	\$397.75	\$700.80
10	Assumption of Splicing per X Feet	Assumption	600				600			
11	Splicing Cost per X Feet	Ln8 / Ln 9		\$0.16	\$0.47	\$0.94		\$0.33	\$0.66	\$1.17
12	Material Cost Per Foot	BSTLM Input		\$0.72	\$1.58	\$2.77		\$0.72	\$1.58	\$2.77
13	Material Loading	Rate * Ln11	62.74%	\$0.45	\$0.99	\$1.74		\$0.22	\$0.45	\$0.77
14	Inflation	Rate * Ln11 + Sum (Ln14 : L17) * Rate * Ln11	2.01%	\$0.02	\$0.05	\$0.09	-2.12%	-\$0.02	-\$0.04	-\$0.07
15	Tax Rate	Rate * Ln11	6.00%	\$0.04	\$0.09	\$0.17	6.00%	\$0.04	\$0.09	\$0.17
16	Misc. Material Loading*	Rate * Ln11	30.58%	\$0.22	\$0.48	\$0.85		\$0.08	\$0.15	\$0.25
17	Supply Expense Loading	Rate * Ln11	8.46%	\$0.06	\$0.13	\$0.23	8.46%	\$0.06	\$0.13	\$0.23
18	Other Loading	Ln17a + Ln 17b + Ln17c	14.48%	\$0.10	\$0.23	\$0.40	6.97%	\$0.05	\$0.11	\$0.19
18a	Plt Labor - Indirect Salary, Benefits Other	Rate * Ln11	7.51%	\$0.05	\$0.12	\$0.21	0.00%	\$0.00	\$0.00	\$0.00
18b	Right of Way Items	Rate * Ln11	1.94%	\$0.01	\$0.03	\$0.05	1.94%	\$0.01	\$0.03	\$0.05
18c	Interest During Construction Items	Rate * Ln11	5.03%	\$0.04	\$0.08	\$0.14	5.03%	\$0.04	\$0.08	\$0.14
19	Placing Cost	Ln3		\$0.57	\$0.57	\$0.57		\$0.08	\$0.08	\$0.08
20	Splicing Cost	Ln10		\$0.16	\$0.47	\$0.94		\$0.33	\$0.66	\$1.17
21	Material, Material Loading and Labor	Ln 11 + Ln12 + Ln 18 + Ln19		\$1.90	\$3.62	\$6.02		\$1.34	\$2.76	\$4.79
22	Engineering Loading	Rate * Ln20	7.99%	\$0.15	\$0.29	\$0.48	6.61%	\$0.09	\$0.18	\$0.32
23	Total Loading	Ln12 + Ln18 + Ln19 + Ln21		\$1.33	\$2.32	\$3.73		\$0.71	\$1.37	\$2.33
24	Total Cable Cost per Foot	Ln11 + Ln22		\$2.05	\$3.90	\$6.50		\$1.43	\$2.95	\$5.10
				FCC SynMod	\$1.79	\$2.95	\$4.69			

* Miscellaneous material for AT&T WorldCom is 20% of contract labor

Pole Costing Comparison

Line No.	Description	Formula	BellSouth					AT&T/WorldCom									
			Rate	Pole	Anchor	Guy	Total	Rate	Pole	Anchor	Guy	Total					
1	Material Cost	BSTLM Input		\$ 300.16				\$ 300.16					\$ 239.31				\$ 239.31
2	Span Length	BSTLM Input		1,200									1,200				
3	Material Cost w/ Extra Pole per Ft	round(Ln1 * ((Ln2/Ln16+1)/(Ln2/Ln16)),0)		\$ 330.18				\$ 330.18					\$ 293.55				\$ 293.55
4	Material Loading	Rate * Ln3	56.87%	\$ 187.78				\$ 187.78					\$ 68.47				\$ 68.47
5	Inflation	Rate * Ln3 + Sum (Ln6 : Ln9) * Rate * Ln3	7.68%	\$ 36.96				\$ 36.96					-3.84%	\$ (13.26)			\$ (13.26)
6	Tax Rate	Rate * Ln3	6.00%	\$ 19.81				\$ 19.81					6.00%	\$ 17.61			\$ 17.61
7	Misc. Material Loading*	Rate * Ln3	22.44%	\$ 74.10				\$ 74.10						\$ 29.54			\$ 29.54
8	Supply Expense Loading	Rate * Ln3	1.08%	\$ 3.57				\$ 3.57					1.08%	\$ 3.17			\$ 3.17
9	Other Loading	Ln9a + Ln9b + Ln9c	16.16%	\$ 53.35				\$ 53.35					10.70%	\$ 31.40			\$ 31.40
9a	Plt Labor - Indirect Salary, Benefits Other	Rate * Ln3	5.46%	\$ 18.03				\$ 18.03					0.00%	\$ -			\$ -
9b	Right of Way Items	Rate * Ln3	9.96%	\$ 32.90				\$ 32.90					9.96%	\$ 29.25			\$ 29.25
9c	Interest During Construction Items	Rate * Ln3	0.73%	\$ 2.42				\$ 2.42					0.73%	\$ 2.15			\$ 2.15
10	Placing Hours	BSTLM Input					0.75										0
11	Placing Cost	Rate * Ln10		\$ 49.05				\$ 36.79	\$ 36.79				\$ 49.05			\$ -	\$ -
12	Contract Labor Cost**	BSTLM Input		\$ 233.19	\$ 99.71								\$ 147.69	\$ 95.39			
13	Total Labor Cost	Ln11 + Ln12		\$ 233.19	\$ 99.71	\$ 36.79	\$ 369.69						\$ 147.69	\$ 95.39	\$ -	\$ 243.08	
14	Engineering Loading	Rate * (Ln3 + Ln4 + Ln13)	41.90%	\$ 314.77	\$ 41.78	\$ 15.42	\$ 371.96						9.41%	\$ 47.96	\$ 8.98		\$ 56.94
15	Total Cost	Ln3 + Ln4 + Ln13 + Ln14		\$ 1,065.92	\$ 141.49	\$ 52.20	\$ 1,259.61							\$ 557.67	\$ 104.36		\$ 662.04
16	Spacing	BSTLM Input		120	500	500							184	600	600		
17	Cost per foot	Ln15 / Ln16		\$ 8.88	\$ 0.28	\$ 0.10	\$ 9.27						\$ 3.03	\$ 0.17	\$ -	\$ 3.20	

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* Miscellaneous material for AT&T WorldCom is 20% of contract labor

** The contract labor cost for Anchors for AT&T- WorldCom includes a 20% loading on labor. The calculation is: \$79.49 * 1.2 = \$95.39

Synthesis Pole Cost Per Foot		
	High	Low
\$	2.72	1.51

011202

Buried EF&I Costing Comparison

Line No.	Description	Formula	BellSouth			AT&T/WorldCom			Synthesis Model*			
			Rate	Rural	Suburb	Urban	Rate	Rural	Suburb	Urban	Rural	Urban
1	Contract Placing Per Foot	See Buried Excavation Wksht		\$ 5.37	\$ 6.25	\$ 7.43		\$ 1.35	\$ 3.56	\$ 4.09		
2	Engineering Loading	Rate * Ln1	0.00%	\$ -	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -		
3	EF&I Cost per Foot	Ln1 + Ln2		\$ 5.37	\$ 6.25	\$ 7.43		\$ 1.35	\$ 3.56	\$ 4.09	\$ 0.77	\$ 11.93

*Values for Synthesis Model are for Normal Terrain

CONTAINS BELL SOUTH PROPRIETARY INFORMATION

Conduit Costing Comparison

Engineering, Furnish and Install

Line No.	Description	Formula	BellSouth			AT&T/WorldCom			Synthesis Model*			
			Rate	Density Zone		Rate	Density Zone		Rural	Urban		
				Rural	Suburb		Urban	Rural			Urban	
1	Contract Placing Per Foot	See Conduit Contract Placing Wksht		\$ 20.47	\$ 26.97	\$ 41.21		\$ 12.01	\$ 13.23	\$ 15.01		
2	Other Factor	Rate * Ln1	40.00%	\$ 8.19	\$ 10.79	\$ 16.48	0.00%	\$ -	\$ -	\$ -		
3	Engineering Loading	Rate * Ln1	0.00%	\$ -	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -		
4	EF&I Cost per Foot	Ln1 + Ln2 + Ln 3		\$ 28.66	\$ 37.76	\$ 57.69		\$ 12.01	\$ 13.23	\$ 15.01	\$ 1.86	\$ 42.59

*Values for Synthesis Model are for Normal Terrain

Material

Line No.	Description	Formula	BellSouth			AT&T/WorldCom			Synthesis Model			
			Rate	Density Zone		Rate	Density Zone		Rural	Urban		
				Rural	Suburb		Urban	Rural			Urban	
5	Material Cost Per Foot	BSTLM Input		\$ 1.98	\$ 1.98	\$ 1.98		\$ 0.82	\$ 0.82	\$ 0.82		
6	Other Factor	Rate * Ln5	40.00%	\$ 0.79	\$ 0.79	\$ 0.79	0.00%	\$ -	\$ -	\$ -		
7	Engineering Loading	Rate * Ln5	0.00%	\$ -	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -		
8	Cost Per Foot	Ln5 + Ln6 + Ln 7		\$ 2.77	\$ 2.77	\$ 2.77		\$ 0.82	\$ 0.82	\$ 0.82	\$ 0.77	\$ 0.77

Conduit Placing Per Foot

Rural							
Excavation Activity	Average BST Expenditures	Various Functions called 'Restore'	25.43% Misc Closure Factor	Normal	BSTLM 2001		
					% of Activity	Inspectors & Contract Admin	Weighted Cost
Backhoe Trench	\$11.44	\$0.49	\$2.91	\$14.84	22.00%	\$ -	\$ 3.27
Bore Cable	\$179.60	\$0.49	\$45.67	\$225.77	2.67%	\$ -	\$ 6.03
Cut & Restore Asphalt	\$11.44	\$0.49	\$2.91	\$14.84	2.67%	\$ -	\$ 0.40
Cut & Restore Concrete	\$11.44	\$0.49	\$2.91	\$14.84	2.33%	\$ -	\$ 0.35
Cut & Restore Sod	\$11.44	\$0.49	\$2.91	\$14.84	3.33%	\$ -	\$ 0.49
Hand Dig Trench	\$11.44	\$0.49	\$2.91	\$14.84	3.00%	\$ -	\$ 0.45
Rocky Trench	\$11.44	\$0.49	\$2.91	\$14.84	0.00%	\$ -	\$ -
Trench & Backfill	\$11.44	\$0.49	\$2.91	\$14.84	64.00%	\$ -	\$ 9.50
					100.00%	\$ -	\$ 20.47

Rural							
Excavation Activity	Average BST Expenditures	Excavation-Specific Restoration	25.43% Misc Closure Factor	Normal	AT&T/WCom 2001		
					% of Activity	Inspectors & Contract Admin	Weighted Cost
Backhoe Trench	\$11.44			\$11.44	22.00%	\$ -	\$ 2.52
Bore Cable	\$179.60			\$179.60	0.23%	\$ -	\$ 0.41
Cut & Restore Asphalt	\$11.44	\$3.82		\$15.26	2.67%	\$ -	\$ 0.41
Cut & Restore Concrete	\$11.44	\$2.56		\$14.00	2.33%	\$ -	\$ 0.33
Cut & Restore Sod	\$11.44	\$0.79		\$12.23	3.33%	\$ -	\$ 0.41
Hand Dig Trench	\$11.44			\$11.44	3.00%	\$ -	\$ 0.34
Rocky Trench	\$11.44			\$11.44	0.00%	\$ -	\$ -
Trench & Backfill	\$11.44			\$11.44	66.44%	\$ -	\$ 7.60
					100.00%	\$ -	\$ 12.01

Suburban							
Excavation Activity	Average BST Expenditures	Various Functions called 'Restore'	25.43% Misc Closure Factor	Normal	BSTLM 2001		
					% of Activity	Inspectors & Contract Admin	Weighted Cost
Backhoe Trench	\$11.44	\$0.49	\$2.91	\$14.84	28.25%	\$ -	\$ 4.19
Bore Cable	\$179.60	\$0.49	\$45.67	\$225.77	5.75%	\$ -	\$ 12.98
Cut & Restore Asphalt	\$11.44	\$0.49	\$2.91	\$14.84	14.75%	\$ -	\$ 2.19
Cut & Restore Concrete	\$11.44	\$0.49	\$2.91	\$14.84	12.75%	\$ -	\$ 1.89
Cut & Restore Sod	\$11.44	\$0.49	\$2.91	\$14.84	9.25%	\$ -	\$ 1.37
Hand Dig Trench	\$11.44	\$0.49	\$2.91	\$14.84	5.75%	\$ -	\$ 0.85
Rocky Trench	\$11.44	\$0.49	\$2.91	\$14.84	0.00%	\$ -	\$ -
Trench & Backfill	\$11.44	\$0.49	\$2.91	\$14.84	23.50%	\$ -	\$ 3.49
					100.00%	\$ -	\$ 26.97

Suburban							
Excavation Activity	Average BST Expenditures	Excavation-Specific Restoration	25.43% Misc Closure Factor	Normal	AT&T/WCom 2001		
					% of Activity	Inspectors & Contract Admin	Weighted Cost
Backhoe Trench	\$11.44			\$11.44	28.25%	\$ -	\$ 3.23
Bore Cable	\$179.60			\$179.60	0.49%	\$ -	\$ 0.89
Cut & Restore Asphalt	\$11.44	\$3.82		\$15.26	14.75%	\$ -	\$ 2.25
Cut & Restore Concrete	\$11.44	\$2.56		\$14.00	12.75%	\$ -	\$ 1.79
Cut & Restore Sod	\$11.44	\$0.79		\$12.23	9.25%	\$ -	\$ 1.13
Hand Dig Trench	\$11.44			\$11.44	5.75%	\$ -	\$ 0.66
Rocky Trench	\$11.44			\$11.44	0.00%	\$ -	\$ -
Trench & Backfill	\$11.44			\$11.44	28.76%	\$ -	\$ 3.29
					100.00%	\$ -	\$ 13.23

Urban							
Excavation Activity	Average BST Expenditures	Various Functions called 'Restore'	25.43% Misc Closure Factor	Normal	BSTLM 2001		
					% of Activity	Inspectors & Contract Admin	Weighted Cost
Backhoe Trench	\$11.44	\$0.49	\$2.91	\$14.84	17.50%	\$ -	\$ 2.60
Bore Cable	\$179.60	\$0.49	\$45.67	\$225.77	12.50%	\$ -	\$ 28.22
Cut & Restore Asphalt	\$11.44	\$0.49	\$2.91	\$14.84	29.00%	\$ -	\$ 4.30
Cut & Restore Concrete	\$11.44	\$0.49	\$2.91	\$14.84	24.00%	\$ -	\$ 3.56
Cut & Restore Sod	\$11.44	\$0.49	\$2.91	\$14.84	5.00%	\$ -	\$ 0.74
Hand Dig Trench	\$11.44	\$0.49	\$2.91	\$14.84	8.00%	\$ -	\$ 1.19
Rocky Trench	\$11.44	\$0.49	\$2.91	\$14.84	0.00%	\$ -	\$ -
Trench & Backfill	\$11.44	\$0.49	\$2.91	\$14.84	4.00%	\$ -	\$ 0.59
					100.00%	\$ -	\$ 41.21

Urban							
Excavation Activity	Average BST Expenditures	Excavation-Specific Restoration	25.43% Misc Closure Factor	Normal	AT&T/WCom 2001		
					% of Activity	Inspectors & Contract Admin	Weighted Cost
Backhoe Trench	\$11.44			\$11.44	17.50%	\$ -	\$ 2.00
Bore Cable	\$179.60			\$179.60	1.08%	\$ -	\$ 1.93
Cut & Restore Asphalt	\$11.44	\$3.82		\$15.26	29.00%	\$ -	\$ 4.43
Cut & Restore Concrete	\$11.44	\$2.56		\$14.00	24.00%	\$ -	\$ 3.36
Cut & Restore Sod	\$11.44	\$0.79		\$12.23	5.00%	\$ -	\$ 0.61
Hand Dig Trench	\$11.44			\$11.44	8.00%	\$ -	\$ 0.92
Rocky Trench	\$11.44			\$11.44	0.00%	\$ -	\$ -
Trench & Backfill	\$11.44			\$11.44	15.42%	\$ -	\$ 1.76
					100.00%	\$ -	\$ 15.01

Manhole Costing Comparison

Line No.	Description	Formula	BellSouth				AT&T/WorldCom				Synthesis Model				
			Rate	1	2	3	5	Rate	1	2	3	5	2	4	9
1	Contract Placing Per Manhole*	BSTLM Input		\$ 6,509.21	\$ 6,509.21	\$ 19,337.15	\$ 15,330.54		\$ 1,463.36	\$ 1,463.36	\$ 1,463.36	\$ 4,032.08			
2	Engineering Loading	Rate * Ln1	0.00%	\$ -	\$ -	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -			
3	Total EF&I	Ln1 + Ln2		\$ 6,509.21	\$ 6,509.21	\$ 19,337.15	\$ 15,330.54		\$ 1,463.36	\$ 1,463.36	\$ 1,463.36	\$ 4,032.08	\$ 1,436.50	\$ 4,472.47	\$ 5,176.00
4	Spacing	BSTLM Input	625					625							
5	Cost per Foot	Ln3 / Ln4		\$ 10.41	\$ 10.41	\$ 30.94	\$ 24.53		\$ 2.34	\$ 2.34	\$ 2.34	\$ 6.45			

*Note: AT&T/WorldCom contract placing per manhole has a 50% sharing factor applied prior to the BSTLM Model run for manhole sizes 2, 3, and 5.

Manhole Costing Comparison

Line No.	Description	Formula	BellSouth					AT&T/WorldCom					Synthesis Model		
			Rate	1	2	3	5	Rate	1	2	3	5	2	4	9
1	Contract Placing Per Manhole*	BSTLM Input	\$ 6,509.21	\$ 6,509.21	\$ 19,337.15	\$ 15,330.54	\$ 1,463.36	\$ 1,463.36	\$ 1,463.36	\$ 4,032.08					
2	Engineering Loading	Rate * Ln1	0.00%	\$ -	\$ -	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -			
3	Total EF&I	Ln1 + Ln2	\$ 6,509.21	\$ 6,509.21	\$ 19,337.15	\$ 15,330.54	\$ 1,463.36	\$ 1,463.36	\$ 1,463.36	\$ 4,032.08	\$ 1,436.50	\$ 4,472.47	\$ 5,176.00		
4	Spacing	BSTLM Input	625				625								
5	Cost per Foot	Ln3 / Ln4	\$ 10.41	\$ 10.41	\$ 30.94	\$ 24.53	\$ 2.34	\$ 2.34	\$ 2.34	\$ 6.45					

*Note: AT&T/WorldCom contract placing per manhole has a 50% sharing factor applied prior to the BSTLM Model run for manhole sizes 2, 3, and 5.