

ATTACHMENT C

BellSouth Telecommunications, Inc.
FPSC Docket No. 990649A-TP
Request for Confidential Classification
Page 1 of 1
12/21/01

REQUEST FOR CONFIDENTIAL CLASSIFICATION OF EXHIBITS BFP-2
THROUGH BFP-9 TO THE REBUTTAL TESTIMONY OF BRIAN F. PITKIN AS
FILED ON DECEMBER 10, 2001 IN FLORIDA PUBLIC SERVICE
COMMISSION DOCKET 990649A-TP

PROPRIETARY

1/11/07 (entire document)
DECLASSIFIED
CONFIDENTIAL

appeal
DOCUMENT NUMBER-DATE

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FPSC-COMMISSION CLERK

Fiber EF&I Error Correction for Underground Fiber Cable

A	B	C	D	E	F
Line No.	Description	Formula	Rate	BellSouth with Error	AT&T/WorldCom Corrected
1	Material Cost	BSTLM Input		\$ 0.72	\$ 0.72
2	Material Loading Per Foot	Rate * Ln1	38.55%	\$ 0.28	\$ 0.28
3	Copper Placing Cost for 25 Pair	Attachment 9		\$ 1.23	\$ -
4	Copper Splicing Cost for 25 Pair	Attachment 9		\$ 0.22	\$ -
5	FO Placing Cost	Attachment 9		\$ -	\$ 0.74
6	FO Splicing Cost	Attachment 9		\$ -	\$ 0.20
7	Material, Loading and Labor	Ln1 + Ln2 + Ln3 + Ln4 +Ln5 +Ln6		\$ 2.44	\$ 1.93
8	Engineering Loading	Rate * Ln7	35.72%	\$ 0.87	\$ 0.69
9	Total EF&I *	Ln2 + Ln5 + Ln6 + Ln8 *		\$ 2.08	\$ 1.90
10	Overstatement			\$ 0.18	

* BellSouth's calculation of the Total EF&I includes the correct FO placing and splicing cost

Stub Cable Correction for Underground Copper Cable

A	B	C	D	E	F
Line No.	Description	Formula	Rate	BellSouth with Error	AT&T/WorldCom Corrected
1	Copper Cable Size	Assumption		25	25
3	Splicing Set-up Hours	BSTLM Inputs		0	0
4	Splicing Travel Hours	BSTLM Inputs		0	0
5	Splicing Labor per 100 pairs	BSTLM Inputs		5.32	5.32
6	Splicing Labor Hours per 100 pairs for Stub	BSTLM Inputs		5.32	0
7	Splicing Hours	$Ln3 + Ln4 + (Ln5 + Ln6) * Ln1 / 100$		2.66	1.33
8	Splicing Cost	Labor Rate * Ln7	\$ 49.05	\$ 130.47	\$ 65.24

Material Loading Development Comparison for Underground Metallic Cable

Line No	Description	EXTD	Account	ITEM	BellSouth	AT&TW
1		523	MATERIAL & SUPPLIES	7B	\$ 74,697	\$ 74,697
2		524	GTES - PURCHASES	7B	\$ 147,163	\$ 147,163
3		CJ1	PLANT SUPPL - NON EXEMPT	7B	\$ 2,417,954	\$ 2,417,954
4		CJ4	REUSED MATERIALS	7B	\$ -	\$ -
5		CJ6	NEW MATERIALS	7B	\$ -	\$ -
6		CJP	MATL & SUPPLIES - VENDOR	7B	\$ -	\$ -
7	Total Non-Exempt Material Expense	CQ1	Sum (Ln1 : Ln6)		\$ 2,639,814	\$ 2,639,814
8	Total Non-Exempt Material less sales tax		Ln7 / 1.06 (tax rate)		\$ 2,490,391	\$ 2,490,391
9	Total Exempt Material Expense	CQ1	EXEMPT MATL OVERHEAD	7A	\$ 2,482,924	\$ -
10	Miscellaneous Material Loading		Ln9 / Ln8		0.988970981	0
11		CQF	FLD STOCK & CC PROV SALVAGE	1	\$ 157,837	\$ 157,837
12		CQG	FLD STOCK & CC PROV BENEFITS	1	\$ 41,450	\$ 41,450
13		CQH	FLD STOCK & CC PROV OTHER	1	\$ 60,033	\$ 60,033
14		CQJ	OVERHEAD PROV - OTHER	1	\$ 3,322	\$ 3,322
15	Total Supply Expense		Sum (Ln11 : Ln14)		\$ 262,642	\$ 262,642
16	Supply Expense Loading	CQF,CQG,CQH,CQJ	Ln15 / Ln8		0.105462173	0.105462173
17		CPA	PLANT LAB - INDIR SAL	1	\$ 344,240	\$ -
18		CPB	PLANT LAB - INDIR BEN	1	\$ 85,443	\$ -
19		CPC	PLANT LAB - INDIR OTHER	1	\$ 164,766	\$ -
20	Total Plant Labor Exp.		Sum (Ln17 : Ln19)		\$ 594,449	\$ -
21		451	RIGHT OF WAY	4	\$ -	\$ -
22		464	ROW - A QUIRE CONTR	4	\$ -	\$ -
23		644	ROW - SRV & APPRAISAL	4	\$ 2,470	\$ 2,470
24		48J	CPL - ROW & TREE TRIM	4	\$ -	\$ -
25		59H	ROW - LEASE	4	\$ -	\$ -
26		79A	ROW - PERMITS & FEES	4	\$ 1,486	\$ 1,486
27	Total Right of Way Expense		Sum (Ln21 : Ln26)		\$ 3,956	\$ 3,956
28	Interest During Construction Items	780	INTEREST	4	\$ 78,421	\$ 78,421
29	Total Other Expense		Ln20 + Ln27 + Ln28		\$ 678,828	\$ 82,377
30	Other Expense Loading	451,464,644,48J,59H,79A	Ln29 / Ln8		0.271775042	0.033077944

Comparison of BellSouth Inflation Loading to AT&T-WorldCom

A	B	C	D	E
Line No.	Description	Formula	BellSouth TPI	AT&T/WorldCom TPI
1	2000 Telephone Plant Index (TPI)	BellSouth or Turner TPI	5.00	(4.65)
2	2001 TPI	BellSouth or Turner TPI	4.00	4.88
3	2002 TPI	BellSouth or Turner TPI	4.00	1.52
4	2000 Inflation Rate	$1 + (\text{Ln}1 / 100)$	1.05000	0.95349
5	2001 Inflation Rate	$(1 + (\text{Ln}2 / 100)) * \text{Ln}4$	1.09200	1.00000
6	2002 Inflation Rate	$(1 + (\text{Ln}3 / 100)) * \text{Ln}5$	1.13568	1.01519
7	Total Inflation	$\text{Ln}4 + \text{Ln}5 + \text{Ln}6$	3.27768	2.96868
8	Investment Inflation Loading	$\text{Ln}7 / 3$	1.09256	0.98956

DLC In-Plant Factor Development

A Remote Terminal

B C

Equipment		
Equipment Description	Total Cost	Plug-In or Hardwire
1 Cabinet	\$ 27,500.00	Hardwire
2 SONET Transceivers	4,500.00	Plug-In
3 Multiplexer Commons	2,000.00	Plug-In
4 Time Slot Interchanger	3,500.00	Plug-In
5 Channel Bank Assemblies	4,000.00	Hardwire
6 Channel Bank Assembly Commons	2,500.00	Plug-In
7 Subtotal Remote Terminal Equipment	\$ 31,500.00 12,500.00	Hardwire Plug-In

D Central Office Terminal

E F

Equipment		
Equipment Description	Total Cost	Plug-In or Hardwire
SONET Firmware	\$ 7,000.00	Hardwire
Sonet Transceivers	4,500.00	Plug-In
Multiplexer Commons	2,000.00	Plug-In
Time Slot Interchanger	3,500.00	Plug-In
DS-1 Shelf Commons	500.00	Plug-In
DSX-1 & Cabling	800.00	Hardwire
Subtotal Central Office Terminal Equipment	\$ 7,800.00 10,500.00	Hardwire Plug-In

Labor				
Task Description	Hours	Rate	Total Labor	Plug-In or Hardwire
8 Engineering	32.00	55.00	\$ 1,760.00	Hardwire
9 Place Cabinet	4.00	55.00	220.00	Hardwire
10 Copper Splicing	4.00	55.00	220.00	Hardwire
11 Place Batteries & Turn Up Power	2.00	55.00	110.00	Hardwire
12 Place Common Plug Ins (21 ea.)	0.50	55.00	27.50	Plug-In
13 Turn Up & Test System	3.00	55.00	165.00	Hardwire
14 Site Preparation and AC Power			3,000.00	Hardwire
15 Subtotal Remote Terminal Labor			\$ 5,475.00 27.50	Hardwire Plug-In

Labor				
Task Description	Hours	Rate	Total Labor	Plug-In or Hardwire
Engineering	12.00	55.00	\$ 660.00	Hardwire
Place Frames & Racks	3.00	55.00	165.00	Hardwire
Splice DSX Metallic Cable	1.00	55.00	55.00	Hardwire
Place DSX Cross Connections	0.50	55.00	27.50	Hardwire
Connect Alarms, CO Timing & Power	1.00	55.00	55.00	Hardwire
Place Common Plug Ins (21 ea.)	0.50	55.00	27.50	Plug-In
Turn Up & Test System	3.00	55.00	165.00	Hardwire
Subtotal Central Office Terminal Labor			\$ 1,127.50 27.50	Hardwire Plug-In

G Hardwire Equipment

H

16 Hardwire Total Installed Cost	\$ 45,902.50
17 Hardwire Material Cost	39,300.00
18 Hardwire In-Plant Factor	1.16800

I Plug-In Equipment

J

Hardwire Total Installed Cost	\$ 23,055.00
Hardwire Material Cost	23,000.00
Plug-In In-Plant Factor	1.00239

COMPARISON OF BELLSOUTH INPUTS TO AT&T-WORLDCOM INPUTS

A		B	C	D	E
Input Table		Element	Variable	BellSouth Input	AT&T-WCom Input
1	Media Splicing and Placing Hours	AerialCU	Closure and Setup (hours)	0	2.25
2	Media Splicing and Placing Hours	AerialCU	Placing (hours/100 ft)	1.25	0.18
3	Media Splicing and Placing Hours	AerialCU	Splice (hours/100 pairs or hours/strand)	3.32	0.4
4	Media Splicing and Placing Hours	BuriedCU	Closure and Setup (hours)	0	2.25
5	Media Splicing and Placing Hours	BuriedCU	Placing (hours/100 ft)	0	0.11
6	Media Splicing and Placing Hours	BuriedCU	Splice (hours/100 pairs or hours/strand)	3.07	0.4
7	Media Splicing and Placing Hours	UndergroundCU	Closure and Setup (hours)	0	2.25
8	Media Splicing and Placing Hours	UndergroundCU	Placing (hours/100 ft)	2.5	0.58
9	Media Splicing and Placing Hours	UndergroundCU	Splice (hours/100 pairs or hours/strand)	5.32	0.4
10	Media Splicing and Placing Hours	AerialFO	Closure and Setup (hours)	0	2.25
11	Media Splicing and Placing Hours	AerialFO	Placing (hours/100 ft)	1.17	0.18
12	Media Splicing and Placing Hours	AerialFO	Splice (hours/100 pairs or hours/strand)	0.08	0.1
13	Media Splicing and Placing Hours	BuriedFO	Closure and Setup (hours)	0	2.25
14	Media Splicing and Placing Hours	BuriedFO	Placing (hours/100 ft)	0	0.11
15	Media Splicing and Placing Hours	BuriedFO	Splice (hours/100 pairs or hours/strand)	0.085	0.1
16	Media Splicing and Placing Hours	UndergroundFO	Closure and Setup (hours)	0	2.25
17	Media Splicing and Placing Hours	UndergroundFO	Placing (hours/100 ft)	1.5	0.58
18	Media Splicing and Placing Hours	UndergroundFO	Splice (hours/100 pairs or hours/strand)	0.1	0.1
19	Material Loading	AerialCU	Engineering Rate	0.2707	0.1
20	Material Loading	AerialCU24G	Engineering Rate	0.2707	0.1
21	Material Loading	AerialFO	Engineering Rate	0.3572	0.1
22	Material Loading	BuildingCU	Engineering Rate	0.2707	0.1
23	Material Loading	BuildingCU24G	Engineering Rate	0.2707	0.1
24	Material Loading	BuildingFO	Engineering Rate	0.3572	0.1
25	Material Loading	BuriedCU	Engineering Rate	0.2707	0.1
26	Material Loading	BuriedCU24G	Engineering Rate	0.2707	0.1
27	Material Loading	BuriedFO	Engineering Rate	0.3572	0.1
28	Material Loading	Conduit	Engineering Rate	0.2707	0.1
29	Material Loading	IntrabuildingCU	Engineering Rate	0.2707	0.1
30	Material Loading	IntrabuildingCU24G	Engineering Rate	0.2707	0.1
31	Material Loading	IntrabuildingFO	Engineering Rate	0.3572	0.1
32	Material Loading	Pole	Engineering Rate	0.2707	0.1
33	Material Loading	UndergroundCU	Engineering Rate	0.2707	0.1
34	Material Loading	UndergroundCU24G	Engineering Rate	0.2707	0.1
35	Material Loading	UndergroundFO	Engineering Rate	0.3572	0.1
36	Material Loading	AerialCU	Other Rate	0.342901	0.047103
37	Material Loading	AerialCU24G	Other Rate	0.342901	0.047103
38	Material Loading	AerialFO	Other Rate	0.144844	0.069703
39	Material Loading	BuildingCU	Other Rate	0.273744	0.004078
40	Material Loading	BuildingCU24G	Other Rate	0.273744	0.004078
41	Material Loading	BuildingFO	Other Rate	0.348742	0.010254
42	Material Loading	BuriedCU	Other Rate	0.226429	0.098799
43	Material Loading	BuriedCU24G	Other Rate	0.226429	0.098799
44	Material Loading	BuriedFO	Other Rate	0.093719	0.049723
45	Material Loading	Conduit	Other Rate	0.213164	0.095644
46	Material Loading	IntrabuildingCU	Other Rate	0.406793	0.016407
47	Material Loading	IntrabuildingCU24G	Other Rate	0.406793	0.016407
48	Material Loading	IntrabuildingFO	Other Rate	-0.562154	
49	Material Loading	Pole	Other Rate	0.161566	0.106971
50	Material Loading	UndergroundCU	Other Rate	0.271775	0.033078
51	Material Loading	UndergroundCU24G	Other Rate	0.271775	0.033078
52	Material Loading	UndergroundFO	Other Rate	0.078187	0.034546
53	Material Loading	AerialCU	Material Inflation	1.082155	1.009727
54	Material Loading	AerialCU24G	Material Inflation	1.082155	1.009727
55	Material Loading	AerialFO	Material Inflation	1.020134	1.028571
56	Material Loading	BuildingCU	Material Inflation	1.082155	1.009727
57	Material Loading	BuildingCU24G	Material Inflation	1.082155	1.009727
58	Material Loading	BuildingFO	Material Inflation	1.020134	1.028571
59	Material Loading	BuriedCU	Material Inflation	1.071512	0.978072
60	Material Loading	BuriedCU24G	Material Inflation	1.071512	0.978072
61	Material Loading	BuriedFO	Material Inflation	1.040536	1.056277
62	Material Loading	Conduit	Material Inflation	1.069988	1.065983
63	Material Loading	IntrabuildingCU	Material Inflation	1.09256	1.010421
64	Material Loading	IntrabuildingCU24G	Material Inflation	1.09256	1.010421
65	Material Loading	IntrabuildingFO	Material Inflation	1.040536	1.051992
66	Material Loading	Pole	Material Inflation	1.076832	1.039942
67	Material Loading	UndergroundCU	Material Inflation	1.09256	0.989559
68	Material Loading	UndergroundCU24G	Material Inflation	1.09256	0.989559
69	Material Loading	UndergroundFO	Material Inflation	1	1.041667
70	Material Loading	AerialCU	Misc. Material Rate	1.21256	0
71	Material Loading	AerialCU24G	Misc. Material Rate	1.21256	0
72	Material Loading	AerialFO	Misc. Material Rate	0.305805	0
73	Material Loading	BuildingCU	Misc. Material Rate	1.114668	0

COMPARISON OF BELLSOUTH INPUTS TO AT&T-WORLDCOM INPUTS

A	B	C	D	E
Input Table	Element	Variable	BellSouth Input	AT&T-WCom Input
1 Material Loading	BuildingCU24G	Misc. Material Rate	1.114668	0
2 Material Loading	BuildingFO	Misc. Material Rate	1.442284	0
3 Material Loading	BuriedCU	Misc. Material Rate	0.526531	0
4 Material Loading	BuriedCU24G	Misc. Material Rate	0.526531	0
5 Material Loading	BuriedFO	Misc. Material Rate	0.182974	0
6 Material Loading	Conduit	Misc. Material Rate	0.489881	0
7 Material Loading	IntrabuildingCU	Misc. Material Rate	1.633235	0
8 Material Loading	IntrabuildingCU24G	Misc. Material Rate	1.633235	0
9 Material Loading	IntrabuildingFO	Misc. Material Rate	2.344201	0
10 Material Loading	Pole	Misc. Material Rate	0.224429	0
11 Material Loading	UndergroundCU	Misc. Material Rate	0.988971	0
12 Material Loading	UndergroundCU24G	Misc. Material Rate	0.988971	0
13 Material Loading	UndergroundFO	Misc. Material Rate	0.179838	0
14 Aerial Structure	Poles 25	Material Cost	300.16	239.31
15 Aerial Structure	Poles 30	Material Cost	300.16	239.31
16 Aerial Structure	Poles 35	Material Cost	300.16	239.31
17 Aerial Structure	Poles 40	Material Cost	300.16	239.31
18 Aerial Structure	Poles 45	Material Cost	300.16	239.31
19 Aerial Structure	Poles 50	Material Cost	300.16	239.31
20 Aerial Structure	Poles 55	Material Cost	300.16	239.31
21 Aerial Structure	Poles 60	Material Cost	300.16	239.31
22 Aerial Contract Labor	Poles 25	Contract Labor Cost	233.19	177.23
23 Aerial Contract Labor	Poles 30	Contract Labor Cost	233.19	177.23
24 Aerial Contract Labor	Poles 35	Contract Labor Cost	233.19	177.23
25 Aerial Contract Labor	Poles 40	Contract Labor Cost	233.19	177.23
26 Aerial Contract Labor	Poles 45	Contract Labor Cost	233.19	177.23
27 Aerial Contract Labor	Poles 50	Contract Labor Cost	233.19	177.23
28 Aerial Contract Labor	Poles 55	Contract Labor Cost	233.19	177.23
29 Aerial Contract Labor	Poles 60	Contract Labor Cost	233.19	177.23
30 Aerial Contract Labor	Anchor	Contract Labor Cost	99.71	95.39
31 Aerial Structural Placing Hours	Guy (all types)	Telco Placing Hours	0.75	0
32 Labor Rate	Placing	Rate/Hour	49.05	58.86
33 Labor Rate	Splicing	Rate/Hour	49.05	58.86
34 Aerial Structure Spacing	Poles 25	Spacing	120	184
35 Aerial Structure Spacing	Poles 30	Spacing	120	184
36 Aerial Structure Spacing	Poles 35	Spacing	120	184
37 Aerial Structure Spacing	Poles 40	Spacing	120	184
38 Aerial Structure Spacing	Poles 45	Spacing	120	184
39 Aerial Structure Spacing	Poles 50	Spacing	120	184
40 Aerial Structure Spacing	Poles 55	Spacing	120	184
41 Aerial Structure Spacing	Poles 60	Spacing	120	184
42 Aerial Structure Spacing	Anchor	Spacing	500	600
43 Aerial Structure Spacing	Guy (all types)	Spacing	500	600
44 Underground Contract Labor	Duct CU	Softrock Contract Labor Cost	2.77	0.82
45 Underground Contract Labor	Duct CU	Normal Contract Labor Cost	2.77	0.82
46 Underground Contract Labor	Duct CU	Hardrock Contract Labor Cost	2.77	0.82
47 Underground Contract Labor	Duct CU	Water Contract Labor Cost	2.77	0.82
48 Underground Contract Labor	Duct FO	Softrock Contract Labor Cost	2.77	0.82
49 Underground Contract Labor	Duct FO	Normal Contract Labor Cost	2.77	0.82
50 Underground Contract Labor	Duct FO	Hardrock Contract Labor Cost	2.77	0.82
51 Underground Contract Labor	Duct FO	Water Contract Labor Cost	2.77	0.82
52 Underground Excavation Contract Labor	Backhoe Trench	Softrock Contract Labor Cost	14.84	11.44
53 Underground Excavation Contract Labor	Bore Cable	Softrock Contract Labor Cost	225.77	179.6
54 Underground Excavation Contract Labor	Cut & Restore Asphalt	Softrock Contract Labor Cost	14.84	15.26
55 Underground Excavation Contract Labor	Cut & Restore Concrete	Softrock Contract Labor Cost	14.84	14
56 Underground Excavation Contract Labor	Cut & Restore Sod	Softrock Contract Labor Cost	14.84	12.23
57 Underground Excavation Contract Labor	Hand Dig Trench	Softrock Contract Labor Cost	14.84	11.44
58 Underground Excavation Contract Labor	Rocky Trench	Softrock Contract Labor Cost	14.84	11.44
59 Underground Excavation Contract Labor	Trench & Backfill	Softrock Contract Labor Cost	14.84	11.44
60 Underground Excavation Contract Labor	Backhoe Trench	Normal Contract Labor Cost	14.84	11.44
61 Underground Excavation Contract Labor	Bore Cable	Normal Contract Labor Cost	225.77	179.6
62 Underground Excavation Contract Labor	Cut & Restore Asphalt	Normal Contract Labor Cost	14.84	15.26
63 Underground Excavation Contract Labor	Cut & Restore Concrete	Normal Contract Labor Cost	14.84	14
64 Underground Excavation Contract Labor	Cut & Restore Sod	Normal Contract Labor Cost	14.84	12.23
65 Underground Excavation Contract Labor	Hand Dig Trench	Normal Contract Labor Cost	14.84	11.44
66 Underground Excavation Contract Labor	Rocky Trench	Normal Contract Labor Cost	14.84	11.44
67 Underground Excavation Contract Labor	Trench & Backfill	Normal Contract Labor Cost	14.84	11.44
68 Underground Excavation Contract Labor	Backhoe Trench	Hardrock Contract Labor Cost	14.84	11.44
69 Underground Excavation Contract Labor	Bore Cable	Hardrock Contract Labor Cost	225.77	179.6
70 Underground Excavation Contract Labor	Cut & Restore Asphalt	Hardrock Contract Labor Cost	14.84	15.26
71 Underground Excavation Contract Labor	Cut & Restore Concrete	Hardrock Contract Labor Cost	14.84	14
72 Underground Excavation Contract Labor	Cut & Restore Sod	Hardrock Contract Labor Cost	14.84	12.23
73 Underground Excavation Contract Labor	Hand Dig Trench	Hardrock Contract Labor Cost	14.84	11.44

COMPARISON OF BELLSOUTH INPUTS TO AT&T-WORLDCOM INPUTS

<u>A</u>		<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>
<u>Input Table</u>		<u>Element</u>	<u>Variable</u>	<u>BellSouth</u>	<u>AT&T-WCom</u>
				<u>Input</u>	<u>Input</u>
1	Underground Excavation Contract Labor	Rocky Trench	Hardrock Contract Labor Cost	14.84	11.44
2	Underground Excavation Contract Labor	Trench & Backfill	Hardrock Contract Labor Cost	14.84	11.44
3	Underground Excavation Contract Labor	Backhoe Trench	Water Contract Labor Cost	14.84	11.44
4	Underground Excavation Contract Labor	Bore Cable	Water Contract Labor Cost	225.77	179.6
5	Underground Excavation Contract Labor	Cut & Restore Asphalt	Water Contract Labor Cost	14.84	15.26
6	Underground Excavation Contract Labor	Cut & Restore Concrete	Water Contract Labor Cost	14.84	14
7	Underground Excavation Contract Labor	Cut & Restore Sod	Water Contract Labor Cost	14.84	12.23
8	Underground Excavation Contract Labor	Hand Dig Trench	Water Contract Labor Cost	14.84	11.44
9	Underground Excavation Contract Labor	Rocky Trench	Water Contract Labor Cost	14.84	11.44
10	Underground Excavation Contract Labor	Trench & Backfill	Water Contract Labor Cost	14.84	11.44
11	Underground Rural Excavation Activity	Bore Cable	Normal Terrain: % of Activity	0.0267	0.0023
12	Underground Rural Excavation Activity	Trench & Backfill	Normal Terrain: % of Activity	0.64	0.6644
13	Underground Rural Excavation Activity	Backhoe Trench	SoftRock Terrain: % of Activity	0.45	0.22
14	Underground Rural Excavation Activity	Bore Cable	SoftRock Terrain: % of Activity	0.0367	0.0023
15	Underground Rural Excavation Activity	Hand Dig Trench	SoftRock Terrain: % of Activity	0.0433	0.03
16	Underground Rural Excavation Activity	Rocky Trench	SoftRock Terrain: % of Activity	0.3367	0
17	Underground Rural Excavation Activity	Trench & Backfill	SoftRock Terrain: % of Activity	0.05	0.6644
18	Underground Rural Excavation Activity	Backhoe Trench	HardRock: % of Activity	0.3033	0.22
19	Underground Rural Excavation Activity	Bore Cable	HardRock: % of Activity	0.0267	0.0023
20	Underground Rural Excavation Activity	Hand Dig Trench	HardRock: % of Activity	0.0433	0.03
21	Underground Rural Excavation Activity	Rocky Trench	HardRock: % of Activity	0.5433	0
22	Underground Rural Excavation Activity	Trench & Backfill	HardRock: % of Activity	0	0.6644
23	Underground Rural Excavation Activity	Backhoe Trench	Water: % of Activity	0.3033	0.22
24	Underground Rural Excavation Activity	Bore Cable	Water: % of Activity	0.0267	0.0023
25	Underground Rural Excavation Activity	Hand Dig Trench	Water: % of Activity	0.0433	0.03
26	Underground Rural Excavation Activity	Rocky Trench	Water: % of Activity	0.5433	0
27	Underground Rural Excavation Activity	Trench & Backfill	Water: % of Activity	0	0.6644
28	Underground Suburban Excavation Activity	Bore Cable	Normal Terrain: % of Activity	0.0575	0.0049
29	Underground Suburban Excavation Activity	Trench & Backfill	Normal Terrain: % of Activity	0.235	0.2876
30	Underground Suburban Excavation Activity	Backhoe Trench	SoftRock Terrain: % of Activity	0.195	0.2825
31	Underground Suburban Excavation Activity	Bore Cable	SoftRock Terrain: % of Activity	0.0575	0.0049
32	Underground Suburban Excavation Activity	Rocky Trench	SoftRock Terrain: % of Activity	0.235	0
33	Underground Suburban Excavation Activity	Trench & Backfill	SoftRock Terrain: % of Activity	0.0875	0.2876
34	Underground Suburban Excavation Activity	Backhoe Trench	HardRock: % of Activity	0.13	0.2825
35	Underground Suburban Excavation Activity	Bore Cable	HardRock: % of Activity	0.0575	0.0049
36	Underground Suburban Excavation Activity	Rocky Trench	HardRock: % of Activity	0.3875	0
37	Underground Suburban Excavation Activity	Trench & Backfill	HardRock: % of Activity	0	0.2876
38	Underground Suburban Excavation Activity	Backhoe Trench	Water: % of Activity	0.13	0.2825
39	Underground Suburban Excavation Activity	Bore Cable	Water: % of Activity	0.0575	0.0049
40	Underground Suburban Excavation Activity	Rocky Trench	Water: % of Activity	0.3875	0
41	Underground Suburban Excavation Activity	Trench & Backfill	Water: % of Activity	0	0.2876
42	Underground Urban Excavation Activity	Bore Cable	Normal Terrain: % of Activity	0.125	0.0108
43	Underground Urban Excavation Activity	Trench & Backfill	Normal Terrain: % of Activity	0.04	0.1542
44	Underground Urban Excavation Activity	Backhoe Trench	SoftRock Terrain: % of Activity	0.15	0.175
45	Underground Urban Excavation Activity	Bore Cable	SoftRock Terrain: % of Activity	0.125	0.0108
46	Underground Urban Excavation Activity	Rocky Trench	SoftRock Terrain: % of Activity	0.055	0
47	Underground Urban Excavation Activity	Trench & Backfill	SoftRock Terrain: % of Activity	0.01	0.1542
48	Underground Urban Excavation Activity	Backhoe Trench	HardRock: % of Activity	0.09	0.175
49	Underground Urban Excavation Activity	Bore Cable	HardRock: % of Activity	0.125	0.0108
50	Underground Urban Excavation Activity	Rocky Trench	HardRock: % of Activity	0.125	0
51	Underground Urban Excavation Activity	Trench & Backfill	HardRock: % of Activity	0	0.1542
52	Underground Urban Excavation Activity	Backhoe Trench	Water: % of Activity	0.09	0.175
53	Underground Urban Excavation Activity	Bore Cable	Water: % of Activity	0.125	0.0108
54	Underground Urban Excavation Activity	Rocky Trench	Water: % of Activity	0.125	0
55	Underground Urban Excavation Activity	Trench & Backfill	Water: % of Activity	0	0.1542
56	Underground Sharing	Backhoe Trench	Rural Shared Percent Assigned to Telephone	0.99	0.50
57	Underground Sharing	Bore Cable	Rural Shared Percent Assigned to Telephone	0.99	0.50
58	Underground Sharing	Cut & Restore Asphalt	Rural Shared Percent Assigned to Telephone	0.99	0.50
59	Underground Sharing	Cut & Restore Concrete	Rural Shared Percent Assigned to Telephone	0.99	0.50
60	Underground Sharing	Cut & Restore Sod	Rural Shared Percent Assigned to Telephone	0.99	0.50
61	Underground Sharing	Hand Dig Trench	Rural Shared Percent Assigned to Telephone	0.99	0.50
62	Underground Sharing	Rocky Trench	Rural Shared Percent Assigned to Telephone	0.99	0.50
63	Underground Sharing	Trench & Backfill	Rural Shared Percent Assigned to Telephone	0.99	0.50
64	Underground Sharing	Backhoe Trench	Rural Shared Percent Assigned to Telephone	0.99	0.50
65	Underground Sharing	Bore Cable	Suburb Shared Percent Assigned to Telephone	0.99	0.3300
66	Underground Sharing	Cut & Restore Asphalt	Suburb Shared Percent Assigned to Telephone	0.99	0.3300
67	Underground Sharing	Cut & Restore Concrete	Suburb Shared Percent Assigned to Telephone	0.99	0.3300
68	Underground Sharing	Cut & Restore Sod	Suburb Shared Percent Assigned to Telephone	0.99	0.3300
69	Underground Sharing	Hand Dig Trench	Suburb Shared Percent Assigned to Telephone	0.99	0.3300
70	Underground Sharing	Rocky Trench	Suburb Shared Percent Assigned to Telephone	0.99	0.3300
71	Underground Sharing	Trench & Backfill	Suburb Shared Percent Assigned to Telephone	0.99	0.3300
72	Underground Sharing	Backhoe Trench	Suburb Shared Percent Assigned to Telephone	0.99	0.3300
73	Underground Sharing	Bore Cable	Urban Shared Percent Assigned to Telephone	0.99	0.3300

COMPARISON OF BELLSOUTH INPUTS TO AT&T-WORLDCOM INPUTS

A	B	C	D	E	
<u>Input Table</u>	<u>Element</u>	<u>Variable</u>	<u>BellSouth Input</u>	<u>AT&T-WCom Input</u>	
1	Underground Sharing	Cut & Restore Asphalt	Urban Shared Percent Assigned to Telephone	0.99	0.3300
2	Underground Sharing	Cut & Restore Concrete	Urban Shared Percent Assigned to Telephone	0.99	0.3300
3	Underground Sharing	Cut & Restore Sod	Urban Shared Percent Assigned to Telephone	0.99	0.3300
4	Underground Sharing	Hand Dig Trench	Urban Shared Percent Assigned to Telephone	0.99	0.3300
5	Underground Sharing	Rocky Trench	Urban Shared Percent Assigned to Telephone	0.99	0.3300
6	Underground Sharing	Trench & Backfill	Urban Shared Percent Assigned to Telephone	0.99	0.3300
7	Buried Excavation Contract Labor	Backhoe Trench	Softrock Contract Labor Cost	5.18	2.20
8	Buried Excavation Contract Labor	Bore Cable	Softrock Contract Labor Cost	23.14	14.05
9	Buried Excavation Contract Labor	Cut & Restore Asphalt	Softrock Contract Labor Cost	5.18	6.02
10	Buried Excavation Contract Labor	Cut & Restore Concrete	Softrock Contract Labor Cost	5.18	4.76
11	Buried Excavation Contract Labor	Cut & Restore Sod	Softrock Contract Labor Cost	5.18	2.99
12	Buried Excavation Contract Labor	Free Trench (i.e. Developer)	Softrock Contract Labor Cost	1.14	0.91
13	Buried Excavation Contract Labor	Hand Dig Trench	Softrock Contract Labor Cost	5.18	2.20
14	Buried Excavation Contract Labor	Plow	Softrock Contract Labor Cost	5.18	0.80
15	Buried Excavation Contract Labor	Push Pipe & Pull Cable	Softrock Contract Labor Cost	6.01	17.06
16	Buried Excavation Contract Labor	Rocky Plow	Softrock Contract Labor Cost	5.18	2.20
17	Buried Excavation Contract Labor	Rocky Trench	Softrock Contract Labor Cost	5.18	2.20
18	Buried Excavation Contract Labor	Trench & Backfill	Softrock Contract Labor Cost	5.18	2.20
19	Buried Excavation Contract Labor	Backhoe Trench	Normal Contract Labor Cost	5.18	2.20
20	Buried Excavation Contract Labor	Bore Cable	Normal Contract Labor Cost	23.14	14.05
21	Buried Excavation Contract Labor	Cut & Restore Asphalt	Normal Contract Labor Cost	5.18	6.02
22	Buried Excavation Contract Labor	Cut & Restore Concrete	Normal Contract Labor Cost	5.18	4.76
23	Buried Excavation Contract Labor	Cut & Restore Sod	Normal Contract Labor Cost	5.18	2.99
24	Buried Excavation Contract Labor	Free Trench (i.e. Developer)	Normal Contract Labor Cost	1.14	0.91
25	Buried Excavation Contract Labor	Hand Dig Trench	Normal Contract Labor Cost	5.18	2.20
26	Buried Excavation Contract Labor	Plow	Normal Contract Labor Cost	5.18	0.80
27	Buried Excavation Contract Labor	Push Pipe & Pull Cable	Normal Contract Labor Cost	6.01	17.06
28	Buried Excavation Contract Labor	Rocky Plow	Normal Contract Labor Cost	5.18	2.20
29	Buried Excavation Contract Labor	Rocky Trench	Normal Contract Labor Cost	5.18	2.20
30	Buried Excavation Contract Labor	Trench & Backfill	Normal Contract Labor Cost	5.18	2.20
31	Buried Excavation Contract Labor	Backhoe Trench	Hardrock Contract Labor Cost	5.18	2.20
32	Buried Excavation Contract Labor	Bore Cable	Hardrock Contract Labor Cost	23.14	14.05
33	Buried Excavation Contract Labor	Cut & Restore Asphalt	Hardrock Contract Labor Cost	5.18	6.02
34	Buried Excavation Contract Labor	Cut & Restore Concrete	Hardrock Contract Labor Cost	5.18	4.76
35	Buried Excavation Contract Labor	Cut & Restore Sod	Hardrock Contract Labor Cost	5.18	2.99
36	Buried Excavation Contract Labor	Free Trench (i.e. Developer)	Hardrock Contract Labor Cost	1.14	0.91
37	Buried Excavation Contract Labor	Hand Dig Trench	Hardrock Contract Labor Cost	5.18	2.20
38	Buried Excavation Contract Labor	Plow	Hardrock Contract Labor Cost	5.18	0.80
39	Buried Excavation Contract Labor	Push Pipe & Pull Cable	Hardrock Contract Labor Cost	6.01	17.06
40	Buried Excavation Contract Labor	Rocky Plow	Hardrock Contract Labor Cost	5.18	2.20
41	Buried Excavation Contract Labor	Rocky Trench	Hardrock Contract Labor Cost	5.18	2.20
42	Buried Excavation Contract Labor	Trench & Backfill	Hardrock Contract Labor Cost	5.18	2.20
43	Buried Excavation Contract Labor	Backhoe Trench	Water Contract Labor Cost	5.18	2.20
44	Buried Excavation Contract Labor	Bore Cable	Water Contract Labor Cost	23.14	14.05
45	Buried Excavation Contract Labor	Cut & Restore Asphalt	Water Contract Labor Cost	5.18	6.02
46	Buried Excavation Contract Labor	Cut & Restore Concrete	Water Contract Labor Cost	5.18	4.76
47	Buried Excavation Contract Labor	Cut & Restore Sod	Water Contract Labor Cost	5.18	2.99
48	Buried Excavation Contract Labor	Free Trench (i.e. Developer)	Water Contract Labor Cost	1.14	0.91
49	Buried Excavation Contract Labor	Hand Dig Trench	Water Contract Labor Cost	5.18	2.20
50	Buried Excavation Contract Labor	Plow	Water Contract Labor Cost	5.18	0.80
51	Buried Excavation Contract Labor	Push Pipe & Pull Cable	Water Contract Labor Cost	6.01	17.06
52	Buried Excavation Contract Labor	Rocky Plow	Water Contract Labor Cost	5.18	2.20
53	Buried Excavation Contract Labor	Rocky Trench	Water Contract Labor Cost	5.18	2.20
54	Buried Excavation Contract Labor	Trench & Backfill	Water Contract Labor Cost	5.18	2.20
55	Buried Rural Excavation Activity	Bore Cable	Normal: % of Activity	0.01	0.001
56	Buried Rural Excavation Activity	Trench & Backfill	Normal: % of Activity	0.067	0.08
57	Buried Rural Excavation Activity	Backhoe Trench	SoftRock: % of Activity	0.08	0.0367
58	Buried Rural Excavation Activity	Bore Cable	SoftRock: % of Activity	0.01	0.001
59	Buried Rural Excavation Activity	Hand Dig Trench	SoftRock: % of Activity	0.0367	0.02
60	Buried Rural Excavation Activity	Plow	SoftRock: % of Activity	0.33	0.78
61	Buried Rural Excavation Activity	Push Pipe & Pull Cable	SoftRock: % of Activity	0.01	0.0033
62	Buried Rural Excavation Activity	Rocky Plow	SoftRock: % of Activity	0.3067	0
63	Buried Rural Excavation Activity	Rocky Trench	SoftRock: % of Activity	0.06	0
64	Buried Rural Excavation Activity	Trench & Backfill	SoftRock: % of Activity	0.0833	0.08
65	Buried Rural Excavation Activity	Backhoe Trench	HardRock: % of Activity	0.0267	0.0367
66	Buried Rural Excavation Activity	Bore Cable	HardRock: % of Activity	0.01	0.001
67	Buried Rural Excavation Activity	Hand Dig Trench	HardRock: % of Activity	0.0233	0.02
68	Buried Rural Excavation Activity	Plow	HardRock: % of Activity	0	0.78
69	Buried Rural Excavation Activity	Push Pipe & Pull Cable	HardRock: % of Activity	0.01	0.0033
70	Buried Rural Excavation Activity	Rocky Plow	HardRock: % of Activity	0.4933	0
71	Buried Rural Excavation Activity	Rocky Trench	HardRock: % of Activity	0.2933	0
72	Buried Rural Excavation Activity	Trench & Backfill	HardRock: % of Activity	0.06	0.08
73	Buried Rural Excavation Activity	Backhoe Trench	Water: % of Activity	0.0267	0.0367

COMPARISON OF BELLSOUTH INPUTS TO AT&T-WORLDCOM INPUTS

A		B		C		D	E
Input Table		Element	Variable	BellSouth	AT&T-WCom	Input	Input
1	Buried Rural Excavation Activity	Bore Cable	Water: % of Activity	0.01	0.001		
2	Buried Rural Excavation Activity	Hand Dig Trench	Water: % of Activity	0.0233	0.02		
3	Buried Rural Excavation Activity	Plow	Water: % of Activity	0	0.78		
4	Buried Rural Excavation Activity	Push Pipe & Pull Cable	Water: % of Activity	0.01	0.0033		
5	Buried Rural Excavation Activity	Rocky Plow	Water: % of Activity	0.4933	0		
6	Buried Rural Excavation Activity	Rocky Trench	Water: % of Activity	0.2933	0		
7	Buried Rural Excavation Activity	Trench & Backfill	Water: % of Activity	0.06	0.08		
8	Buried Suburban Excavation Activity	Bore Cable	Normal: % of Activity	0.0575	0.0049		
9	Buried Suburban Excavation Activity	Trench & Backfill	Normal: % of Activity	0.1925	0.2451		
10	Buried Suburban Excavation Activity	Backhoe Trench	SoftRock: % of Activity	0.1125	0.13		
11	Buried Suburban Excavation Activity	Bore Cable	SoftRock: % of Activity	0.0575	0.0049		
12	Buried Suburban Excavation Activity	Plow	SoftRock: % of Activity	0.0275	0.1575		
13	Buried Suburban Excavation Activity	Rocky Plow	SoftRock: % of Activity	0.0475	0		
14	Buried Suburban Excavation Activity	Rocky Trench	SoftRock: % of Activity	0.2	0		
15	Buried Suburban Excavation Activity	Trench & Backfill	SoftRock: % of Activity	0.0925	0.2451		
16	Buried Suburban Excavation Activity	Backhoe Trench	HardRock: % of Activity	0.12	0.13		
17	Buried Suburban Excavation Activity	Bore Cable	HardRock: % of Activity	0.0575	0.0049		
18	Buried Suburban Excavation Activity	Plow	HardRock: % of Activity	0	0.1575		
19	Buried Suburban Excavation Activity	Rocky Plow	HardRock: % of Activity	0.0475	0		
20	Buried Suburban Excavation Activity	Rocky Trench	HardRock: % of Activity	0.3125	0		
21	Buried Suburban Excavation Activity	Trench & Backfill	HardRock: % of Activity	0	0.2451		
22	Buried Suburban Excavation Activity	Backhoe Trench	Water: % of Activity	0.12	0.13		
23	Buried Suburban Excavation Activity	Bore Cable	Water: % of Activity	0.0575	0.0049		
24	Buried Suburban Excavation Activity	Plow	Water: % of Activity	0	0.1575		
25	Buried Suburban Excavation Activity	Rocky Plow	Water: % of Activity	0.0475	0		
26	Buried Suburban Excavation Activity	Rocky Trench	Water: % of Activity	0.3125	0		
27	Buried Suburban Excavation Activity	Trench & Backfill	Water: % of Activity	0	0.2451		
28	Buried Urban Excavation Activity	Bore Cable	Normal: % of Activity	0.125	0.0108		
29	Buried Urban Excavation Activity	Trench & Backfill	Normal: % of Activity	0.04	0.1542		
30	Buried Urban Excavation Activity	Backhoe Trench	SoftRock: % of Activity	0.15	0.175		
31	Buried Urban Excavation Activity	Bore Cable	SoftRock: % of Activity	0.125	0.0108		
32	Buried Urban Excavation Activity	Rocky Trench	SoftRock: % of Activity	0.055	0		
33	Buried Urban Excavation Activity	Trench & Backfill	SoftRock: % of Activity	0.01	0.1542		
34	Buried Urban Excavation Activity	Backhoe Trench	HardRock: % of Activity	0.09	0.175		
35	Buried Urban Excavation Activity	Bore Cable	HardRock: % of Activity	0.125	0.0108		
36	Buried Urban Excavation Activity	Rocky Trench	HardRock: % of Activity	0.125	0		
37	Buried Urban Excavation Activity	Trench & Backfill	HardRock: % of Activity	0	0.1542		
38	Buried Urban Excavation Activity	Backhoe Trench	Water: % of Activity	0.09	0.175		
39	Buried Urban Excavation Activity	Bore Cable	Water: % of Activity	0.125	0.0108		
40	Buried Urban Excavation Activity	Rocky Trench	Water: % of Activity	0.125	0		
41	Buried Urban Excavation Activity	Trench & Backfill	Water: % of Activity	0	0.1542		
42	Buried Sharing	Backhoe Trench	Rural: % Telco	0.96	0.5		
43	Buried Sharing	Bore Cable	Rural: % Telco	0.96	0.5		
44	Buried Sharing	Cut & Restore Asphalt	Rural: % Telco	0.96	0.5		
45	Buried Sharing	Cut & Restore Concrete	Rural: % Telco	0.96	0.5		
46	Buried Sharing	Cut & Restore Sod	Rural: % Telco	0.96	0.5		
47	Buried Sharing	Free Trench (i.e. Developer)	Rural: % Telco	0.96	0.5		
48	Buried Sharing	Hand Dig Trench	Rural: % Telco	0.96	0.5		
49	Buried Sharing	Plow	Rural: % Telco	0.96	0.5		
50	Buried Sharing	Push Pipe & Pull Cable	Rural: % Telco	0.96	0.5		
51	Buried Sharing	Rocky Plow	Rural: % Telco	0.96	0.5		
52	Buried Sharing	Rocky Trench	Rural: % Telco	0.96	0.5		
53	Buried Sharing	Trench & Backfill	Rural: % Telco	0.96	0.5		
54	Buried Sharing	Backhoe Trench	Suburban: % Telco	0.96	0.33		
55	Buried Sharing	Bore Cable	Suburban: % Telco	0.96	0.33		
56	Buried Sharing	Cut & Restore Asphalt	Suburban: % Telco	0.96	0.33		
57	Buried Sharing	Cut & Restore Concrete	Suburban: % Telco	0.96	0.33		
58	Buried Sharing	Cut & Restore Sod	Suburban: % Telco	0.96	0.33		
59	Buried Sharing	Free Trench (i.e. Developer)	Suburban: % Telco	0.96	0.33		
60	Buried Sharing	Hand Dig Trench	Suburban: % Telco	0.96	0.33		
61	Buried Sharing	Plow	Suburban: % Telco	0.96	0.33		
62	Buried Sharing	Push Pipe & Pull Cable	Suburban: % Telco	0.96	0.33		
63	Buried Sharing	Rocky Plow	Suburban: % Telco	0.96	0.33		
64	Buried Sharing	Rocky Trench	Suburban: % Telco	0.96	0.33		
65	Buried Sharing	Trench & Backfill	Suburban: % Telco	0.96	0.33		
66	Buried Sharing	Backhoe Trench	Urban: % Telco	0.96	0.33		
67	Buried Sharing	Bore Cable	Urban: % Telco	0.96	0.33		
68	Buried Sharing	Cut & Restore Asphalt	Urban: % Telco	0.96	0.33		
69	Buried Sharing	Cut & Restore Concrete	Urban: % Telco	0.96	0.33		
70	Buried Sharing	Cut & Restore Sod	Urban: % Telco	0.96	0.33		
71	Buried Sharing	Free Trench (i.e. Developer)	Urban: % Telco	0.96	0.33		
72	Buried Sharing	Hand Dig Trench	Urban: % Telco	0.96	0.33		
73	Buried Sharing	Plow	Urban: % Telco	0.96	0.33		

COMPARISON OF BELLSOUTH INPUTS TO AT&T-WORLDCOM INPUTS

A	B	C	D	E
Input Table	Element	Variable	BellSouth Input	AT&T-WCom Input
1 Buried Sharing	Push Pipe & Pull Cable	Urban: % Telco	0.96	0.33
2 Buried Sharing	Rocky Plow	Urban: % Telco	0.96	0.33
3 Buried Sharing	Rocky Trench	Urban: % Telco	0.96	0.33
4 Buried Sharing	Trench & Backfill	Urban: % Telco	0.96	0.33
5 Underground Contract Labor	Manholes 1	Softrock Contract Labor Cost	3235.16	1463.36
6 Underground Contract Labor	Manholes 2	Softrock Contract Labor Cost	3235.16	731.68
7 Underground Contract Labor	Manholes 3	Softrock Contract Labor Cost	10064.95	731.68
8 Underground Contract Labor	Manholes 5	Softrock Contract Labor Cost	31575.1288	2016.04
9 Underground Contract Labor	Manholes 1	Normal Contract Labor Cost	3235.16	1463.36
10 Underground Contract Labor	Manholes 2	Normal Contract Labor Cost	3235.16	731.68
11 Underground Contract Labor	Manholes 3	Normal Contract Labor Cost	10064.95	731.68
12 Underground Contract Labor	Manholes 5	Normal Contract Labor Cost	31575.1288	2016.04
13 Underground Contract Labor	Manholes 1	Hardrock Contract Labor Cost	3235.16	1463.36
14 Underground Contract Labor	Manholes 2	Hardrock Contract Labor Cost	3235.16	731.68
15 Underground Contract Labor	Manholes 3	Hardrock Contract Labor Cost	10064.95	731.68
16 Underground Contract Labor	Manholes 5	Hardrock Contract Labor Cost	31575.1288	2016.04
17 Underground Contract Labor	Manholes 1	Water Contract Labor Cost	3235.16	1463.36
18 Underground Contract Labor	Manholes 2	Water Contract Labor Cost	3235.16	731.68
19 Underground Contract Labor	Manholes 3	Water Contract Labor Cost	10064.95	731.68
20 Underground Contract Labor	Manholes 5	Water Contract Labor Cost	31575.1288	2016.04
21 Facility Sharing (Plant Sharing)	Rural	Aerial Facility Sharing Percentage	0.25	0.75
22 Facility Sharing (Plant Sharing)	Suburban	Aerial Facility Sharing Percentage	0.25	0.75
23 Facility Sharing (Plant Sharing)	Urban	Aerial Facility Sharing Percentage	0.25	0.75
24 Facility Sharing (Plant Sharing)	Rural	Buried Facility Sharing Percentage	0.25	0.75
25 Facility Sharing (Plant Sharing)	Suburban	Buried Facility Sharing Percentage	0.25	0.75
26 Facility Sharing (Plant Sharing)	Urban	Buried Facility Sharing Percentage	0.25	0.75
27 Facility Sharing (Plant Sharing)	Rural	UG Facility Sharing Percentage	0.25	0.75
28 Facility Sharing (Plant Sharing)	Suburban	UG Facility Sharing Percentage	0.25	0.75
29 Facility Sharing (Plant Sharing)	Urban	UG Facility Sharing Percentage	0.25	0.75
30 Cost Calculator	In-Plant Factor	DLC Plug-In Equipment	1.1682	1.00239
31 Cost Calculator	In-Plant Factor	DLC Hardwire Equipment	2.5184	1.168
32 Cost Calculator	Inflation	FRC 22	1.0822	1.009727
33 Cost Calculator	Inflation	FRC 45	1.0715	0.978072
34 Cost Calculator	Inflation	FRC 377	1.0201	0.927619
35 Cost Calculator	Inflation	FRC 257	0.98	1.010582

Copper Labor & EF&I Costing - Underground 24 Gauge

Line No.	Description	Formula	Rate	BellSouth Cable Size			AT&T/WorldCom Cable Size			
				25	1200	1200	25	1200	1200	
1	Labor rate (Splicing and Placing)	BSTLM Input	\$49.05				\$49.05			
2	Placing Labor per 100 ft.	BSTLM Input		2.50	2.50	2.50		0.58	0.58	
3	Total Placing Cost per Foot	Ln1 * Ln2 / 100		\$1.23	\$1.23	\$1.23		\$0.29	\$0.29	
4	Splicing Set-up Hours	BSTLM Input		0	0	0		2.00	2.00	
5	Splicing Travel Hours	BSTLM Input		0	0	0		0.25	0.25	
6	Splicing Labor per 100 pairs	BSTLM Input		5.32	5.32	5.32		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	
9	Splicing Cost	Ln1 * Ln 8		\$130.47	\$6,262.70	\$21,919.46		\$115.27	\$345.80	
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		\$0.19	\$0.58	
12	Material Cost Per Foot	BSTLM Input		\$0.13	\$6.45	\$22.26		\$0.13	\$6.45	
13	Material Loading	Rate * Ln12	165.08%	\$0.21	\$10.65	\$36.75		\$0.12	\$1.37	
14	Inflation	Rate * Ln12 + Sum (Ln15 : L18) * Rate * Ln12	9.26%	\$0.03	\$1.45	\$5.00	-1.04%	\$0.00	-\$0.08	
15	Tax Rate	Rate * Ln12	6.00%	\$0.01	\$0.39	\$1.34	6.00%	\$0.01	\$0.39	
16	Misc. Material Loading*	Rate * Ln12	98.90%	\$0.13	\$6.38	\$22.01		\$0.10	\$0.17	
17	Supply Expense Loading	Rate * Ln12	10.55%	\$0.01	\$0.68	\$2.35	10.55%	\$0.01	\$0.68	
18	Other Loading	Ln18a + Ln 18b + Ln18c	27.18%	\$0.04	\$1.75	\$6.05	3.31%	\$0.00	\$0.21	
18a	PII Labor - Indirect Salary, Benefits Other	Rate * Ln12	23.87%	\$0.03	\$1.54	\$5.31	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	
18c	Interest During Construction Items	Rate * Ln12	3.15%	\$0.00	\$0.20	\$0.70	3.15%	\$0.00	\$0.20	
19	Placing Cost	Ln3		\$1.23	\$1.23	\$1.23		\$0.29	\$0.29	
20	Splicing Cost	Ln11		\$0.22	\$10.44	\$36.53		\$0.19	\$0.58	
21	Material, Material Loading and Labor	Ln 12 + Ln13 + Ln 19 + Ln20		\$1.79	\$28.76	\$96.77		\$0.73	\$8.68	
22	Engineering Loading	Rate * Ln21	27.07%	\$0.48	\$7.79	\$28.19	10.00%	\$0.07	\$0.87	
23	Total Loading	Ln13 + Ln19 + Ln20 + Ln22		\$2.14	\$30.10	\$100.70		\$0.67	\$3.10	
24	Total Cable Cost per Foot	Ln12 + Ln23		\$2.27	\$36.55	\$122.96		\$0.80	\$9.55	
				FCC SynMod	\$5.28	\$15.16	\$40.36			

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

Fiber Labor & EF&I Costing - Underground

Line No.	Description	Formula	Rate	BellSouth Cable Size			AT&T WorldCom Cable Size		
				24	36	48	24	36	48
1	Labor rate (Splicing and Placing)	BSTLM Input	\$49.05				\$49.05		
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	\$0.29	\$0.29	\$0.29
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 * Ln7		\$117.72	\$353.16	\$706.32	\$228.08	\$463.52	\$816.68
9	Assumption of Splicing per X Feet	Assumption	600				600		
10	Splicing Cost per X Feet	Ln8 / Ln9		\$0.20	\$0.59	\$1.18	\$0.38	\$0.77	\$1.36
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	\$0.28	\$0.54	\$0.91
13	Inflation	Rate * Ln11 + Sum (Ln14 : L17) * Rate * Ln11	0.00%	\$0.00	\$0.00	\$0.00	4.17%	\$0.03	\$0.08
14	Tax Rate	Rate * Ln11	6.00%	\$0.04	\$0.09	\$0.17	6.00%	\$0.04	\$0.09
15	Misc. Material Loading*	Rate * Ln11	17.98%	\$0.13	\$0.28	\$0.50	\$0.13	\$0.21	\$0.33
16	Supply Expense Loading	Rate * Ln11	6.75%	\$0.05	\$0.11	\$0.19	6.75%	\$0.05	\$0.11
17	Other Loading	Ln17a + Ln 17b + Ln17c	7.82%	\$0.06	\$0.12	\$0.22	3.45%	\$0.02	\$0.05
17a	PII Labor - Indirect Salary, Benefits Other	Rate * Ln11	4.36%	\$0.03	\$0.07	\$0.12	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
17c	Interest During Construction Items	Rate * Ln11	3.39%	\$0.02	\$0.05	\$0.09	3.39%	\$0.02	\$0.05
18	Placing Cost	Ln3		\$0.74	\$0.74	\$0.74	\$0.29	\$0.29	\$0.29
19	Splicing Cost	Ln10		\$0.20	\$0.59	\$1.18	\$0.38	\$0.77	\$1.36
20	Material, Material Loading and Labor	Ln 11.+ Ln12 + Ln 18 + Ln19		\$1.93	\$3.51	\$5.75	\$1.67	\$3.18	\$5.33
21	Engineering Loading	Rate * Ln20	35.72%	\$0.69	\$1.26	\$2.05	10.00%	\$0.17	\$0.32
22	Total Loading	Ln12 + Ln18 + Ln19 + Ln21		\$1.90	\$3.19	\$5.04	\$1.12	\$1.92	\$3.09
23	Total Cable Cost per Foot	Ln11 + Ln22		\$2.62	\$4.77	\$7.81	\$1.84	\$3.50	\$5.86
				FCC SynMod	\$3.40	\$4.49	\$6.14		

* 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					1,200				1,200
3	Material Cost w/ Extra Pole per Ft	$\text{round}(\text{Ln1} * ((\text{Ln2}/\text{Ln16} + 1)/(\text{Ln2}/\text{Ln16})), 0)$		\$ 330.18				\$ 330.18					\$ 293.55				\$ 293.55
4	Material Loading	Rate * Ln3	56.87%	\$ 187.78				\$ 187.78					\$ 95.54				\$ 95.54
5	Inflation	Rate * Ln3 + Sum (Ln6 : Ln9) * Rate * Ln3	7.68%	\$ 36.96				\$ 36.96				3.99%	\$ 13.81				\$ 13.81
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	Pit 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)	27.07%	\$ 203.34	\$ 26.99	\$ 9.96	\$ 240.29					10.00%	\$ 53.68	\$ 9.54			\$ 63.22
15	Total Cost	Ln3 + Ln4 + Ln13 + Ln14		\$ 954.49	\$ 126.70	\$ 46.75	\$ 1,127.93						\$ 590.46	\$ 104.93			\$ 695.39
16	Spacing	BSTLM Input		120	500	500							184	600	600		
17	Cost per foot	Ln15 / Ln16		\$ 7.95	\$ 0.25	\$ 0.09	\$ 8.30						\$ 3.21	\$ 0.17	\$ -		\$ 3.38

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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 inflation. The calculation is: \$79.49 * 1.2 = \$95.39

Synthesis Pole Cost Per Foot	
High	Low
\$ 2.72	\$ 1.51

Buried EF&I Costing Comparison

A			B				C				D	
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	27.07%	\$ 1.45	\$ 0.27	\$ 0.27	10.00%	\$ 0.14	\$ 0.36	\$ 0.41		
3	EF&I Cost per Foot	Ln1 + Ln2		\$ 6.82	\$ 6.52	\$ 7.70		\$ 1.49	\$ 3.91	\$ 4.50	\$ 0.77	\$ 11.93

*Values for Synthesis Model are for Normal Terrain

CONTAINS BELLSOUTH PROPRIETARY INFORMATION

Manhole Costing Comparison

Line	Description	Input	BellSouth				AT&T/WorldCom				Synthesis Model				
			Rate	1	2	3	4	5	6	7	8	9			
1	Contract Placing Per Manhole*	BSTLM Input		\$ 3,235.16	\$ 3,235.16	\$ 10,004.95	\$ 31,575.13		\$ 1,463.36	\$ 1,463.36	\$ 1,463.36	\$ 4,032.08			
2	Engineering Loading	Rate * Ln1	27.07%	\$ 875.76	\$ 875.76	\$ 2,724.58	\$ 6,547.39	10.00%	\$ 146.34	\$ 146.34	\$ 146.34	\$ 403.21			
3	Total EF&I	Ln1 + Ln2		\$ 4,110.92	\$ 4,110.92	\$ 12,789.53	\$ 40,122.52		\$ 1,609.70	\$ 1,609.70	\$ 1,609.70	\$ 4,435.29	\$ 1,438.50	\$ 4,472.47	\$ 5,176.00
4	Spacing	BSTLM Input	625					625							
5	Cost per Foot	Ln3 / Ln4		\$ 6.58	\$ 6.58	\$ 20.46	\$ 64.20		\$ 2.58	\$ 2.58	\$ 2.58	\$ 7.10			

*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.

**Sharing Correction for Buried Structure
 An Example of Rural Zone, Normal Terrain, Backhoe Trench**

Ln No	Description	Formula	Rate	BellSouth with Error	AT&T WorldCom Corrected
1	Normal Terrain Contract Labor Cost Per Installed Foot	BSTLM Input		\$ 2.20	\$ 2.20
2	Adjusted Normal Terrain Cost	Rate * Ln1	100.00%	\$ 2.20	\$ 2.20
3	Shared Percent Assigned to Telephone For URBAN	BSTLM Input		33%	
4	Shared Percent Assigned to Telephone For RURAL	BSTLM Input			50%
5	Shared Cost Per Foot	Sharing * Ln2		\$ 0.73	\$ 1.10
6	% of Activity	Rate * Ln5	4.00%	\$ 0.03	\$ 0.04
7	Inspectors & Contract Admin	BSTLM Input		\$ -	\$ -
8	Weighted Cost Per Installed Foot for RURAL Backhoe Trench	Ln6 + Ln7		\$ 0.03	\$ 0.04
9	Understatement			\$ (0.01)	