

[illegible]

A	B	C	D	E	F	G
1	CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA					
2						
3	Instructions:					
4	1. Use this worksheet to record material and/or investments to be input into the					
5	Calculator calculations.					
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).					
7	3. Input data, by Cost Element, leaving no blank lines. On next row					
8	after last line of data, type END in Cost Element Column.					
9	4. All data on this form should be cell-referenced to study workpapers.					
10	5. Do NOT change columns, headings, sheet name.					
11						
12						
13						
14	State	Cost Element #	FRC	Sub FRC	Volume Sensitive \$ Amount	Volume Insensitive \$ Amount
15	TN	D 5.8	357C	03	\$ 842.6546	
16	TN	D 5.8	357C	06	\$ 4,989.2714	
17	TN	D 5.8	357C	09	\$ 1,573.4935	
18	TN	D 5.8	357C	15	\$ 406.2627	
19	TN	D 5.8	357C	19	\$ 2,027.7034	
20	TN	D 5.8	357C	22	\$ 5,730.7816	
21	TN	D 5.8	357C	25	\$ 1,573.4935	
22	TN	D 5.8	812C	00	\$ 169.2245	
23	TN	D 5.7	822C	00	\$ 72.6247	
24	TN	D 5.7	845C	00	\$ 19.9182	
25	TN	D 5.7	85C	00	\$ 60.6738	
26	END					

001424

A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - RECURRING EXPENSES DATA						
2	Instructions:						
3	1. Use this worksheet to record recurring non-labor expenses to be input into the						
4	Calculator calculations.						
5	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
6	3. Input data, by Cost Element, leaving no blank lines. On next row						
7	after last line of data, type END in Cost Element Column.						
8	4. All data on this form should be cell-referenced to study workpapers.						
9	5. Do NOT change columns, headings, sheet name.						
10							
11							
12							
13							
14							
15							
16							
17	<u>State</u>	<u>Cost</u>	<u>Recurring</u>	<u>Recurring</u>			
18	<u>Element #</u>	<u>Expense Description</u>	<u>Volume</u>	<u>Volume</u>			
19		<u>(Limited to 25 characters)</u>	<u>Sensitive</u>	<u>Insensitive</u>			
20			<u>\$ Amount</u>	<u>\$ Amount</u>			
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

001425

Maximum 10 entries per Cost Element #

A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA						
2	Instructions:						
3	1. Use this worksheet to record nonrecurring non-labor expenses to be input into the Calculator calculations.						
4	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
5	3. Input data, by Cost Element, leaving no blank lines. On next row						
6	after last line of data, type END in Cost Element Column.						
7	4. All data on this form should be cell-referenced to study workpapers.						
8	5. Do NOT change columns, headings, sheet name.						
9	6. Use column D when cost element has a single nonrecurring cost; use columns E & F for elements with a first						
10	and additional nonrecurring cost; use columns G & H for elements with an initial and subsequent nonrecurring cost.						
11							
12							
13							
14							
15							
16	State	Cost	Nonrecurring	Nonrecurring	Nonrecurring	Nonrecurring	Nonrecurring
17	Element #	Expense Description	\$ Amount	First	Additional	Initial	Subsequent
18		(Limited to 25 characters)		\$ Amount	\$ Amount	\$ Amount	\$ Amount
19							
20							
21							
22							
23							
24							
25							
26							
27							
28	Maximum 10 entries per Cost Element #						
29							
30							

001426

A	B	C	D	E	F	G	H
CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA							
1	Instructions:						
2	1. Use this worksheet to record recurring expensed labor times to be input into the						
3	Calculator calculations.						
4	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
5	3. Input data, by Cost Element, leaving no blank lines. On next row						
6	after last line of data, type END in Cost Element Column.						
7	4. All data on this form should be cell-referenced to study workpapers.						
8	5. Do NOT change columns, headings, sheet name.						
9							
10							
11							
12							
13							
14							
15	State	Cost	Labor Expense Description	JFC/	Work Time (Hours)		
16	TN	Element #	(Limited to 25 characters)	Payband	Volume Sensitive	Volume Insensitive	
17							
18							
19							
20							
21							
22							
23							
24							
25							
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36							
37							
38							

Maximum 20 entries per Cost Element #

001427

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES													
2	Instructions:													
3	1. Use this worksheet to record nonrecurring labor times to be input into the Calculator calculations.													
4	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).													
5	3. Input data, by Cost Element, leaving no blank lines. On next row													
6	after last line of data, type END in Cost Element Column.													
7	4. All data on this form should be call-referenced to study worksheets.													
8	5. Do NOT change columns, headings, sheet name.													
9	6. Use columns F & G when cost element has a single nonrecurring cost; use columns H, I, J, & K for elements with a first													
10	and additional nonrecurring cost; use columns L, M, N & O for elements with an initial and subsequent nonrecurring cost.													
11	7. Input Cost Element Life (in months) on first row of data for each cost element. It is not necessary to repeat on each line.													
12														
13														
14														
15	Study Mid-Point Date (Mos.) 6/1/2001													
16														
17														
18														
19														
20	State	Cost Element #	Cost Element Life (Mo)	Labor Expense Description (Limited to 25 characters)	JFC/ Payband	(For use w/ one NR)		First		Additional		Initial		Subsequent
21	TN	D.58	52	Service Inquiry	SDWC	Installation Time (Hours)	Disconnect Time (Hours)	Installation Time (Hours)	Disconnect Time (Hours)	Installation Time (Hours)	Disconnect Time (Hours)	Installation Time (Hours)	Disconnect Time (Hours)	Installation Time (Hours)
22	TN	D.58	52	Service Inquiry	34XX	2.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
23	TN	D.58	52	Service Order	4AXX	2.2500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
24	TN	D.58	52	Service Order	4NXX	0.1118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25	TN	D.58	52	Service Order	4WXX	0.2500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
26	TN	D.58	52	Service Order	430X	0.1333	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
27	TN	D.58	52	Engineering	32XX	2.0833	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28	TN	D.58	52	Engineering	3A2X	0.0333	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
29	TN	D.58	52	Engineering	4NXX	1.6640	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30	TN	D.58	52	Connect	431X	1.4920	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
31	TN	D.58	52	Connect	4AXX	0.9500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
32	TN	D.58	52	Service Order	411X	0.2500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
33	TN	D.58	52	Connect	411X	1.8400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
34	TN	D.58	52	Travel	411X	0.3000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35	TN	D.58	52	Service Order	230X	0.0175	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
36	TN	D.59	52	Service Order	230X	1.1783	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
37	TN	D.5899	52	Service Order	4AXX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
38	TN	D.5899	52	Service Order	4NXX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
39	TN	D.5899	52	Service Order	430X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40	TN	D.5899	52	Engineering	3A2X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
41	TN	D.5899	52	Engineering	4NXX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
42	TN	D.5899	52	Connect	431X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
43	TN	D.5899	52	Service Order	411X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
44	TN	D.5899	52	Connect	411X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
45	TN	D.5899	52	Travel	411X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
46	TN	D.5899	52	Service Order	230X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
47	TN	D.5999	52	Service Order	230X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
48	TN	D.5898	52	Test	431X	2.2380	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
49	TN	D.5898	52	Test	4AXX	0.9500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
50	TN	D.5898	52	Test	411X	2.7600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
51	END													
52														
53	Maximum of 25 entries per Cost Element #													

001428

	A	B	C	D	E	F	G	H
1	Tennessee							
2	NONRECURRING WORKTIMES							
3	Study Period: 2000-2002							
4								
5	Element #: D.5.7 & D.5.8							
6	Item/Description				First	First	Additional	Additional
7	Work Group	Description	JFC / JG / WS	Source	Install	Disconnect	Install	Disconnect
8					Time Hrs	Time Hrs	Time Hrs	Time Hrs
9	COMPLEX RESALE SUPPORT GROUP (CRSG)	Service Inquiry	SDWC	NETWORK	2.0000	0.0000	0.0000	0.0000
10	NETWORK & ENGINEERING PLANNING (FG20)	Service Inquiry	34XX	NETWORK	2.2500	0.0000	0.0000	0.0000
11								
12	ACCESS CUSTOMER ADVOCATE CENTER (UNEC)	Service Order	4AXX	NETWORK	0.0600	0.1800	0.0600	0.1800
13	CIRCUIT PROVISIONING GROUP (CPG)	Service Order	4N4X	NETWORK	0.1118	0.0412	0.0000	0.0000
14	WORK MANAGEMENT CENTER	Service Order	4WXX	NETWORK	0.2500	0.0000	0.0500	0.0000
15	CO INSTALL & MTCE-SWITCH EQUIP	Service Order	430X	NETWORK	0.1333	0.1166	0.0833	0.1166
16								
17	OUTSIDE PLANT ENGINEERING (FG30)	Engineering	32XX	NETWORK	2.0833	0.0000	2.0833	0.0000
18	NETWORK PLANNING & ENGINEERING (PICS)	Engineering	3A2X	NETWORK	0.0333	0.0333	0.0000	0.0000
19	CIRCUIT PROVISIONING CENTER (CPG)	Engineering	4N4X	NETWORK	1.6640	0.2626	1.6640	0.2626
20								
21	CO INSTALL & MTCE CKT & FAC (INTEL)	Connect	431X	NETWORK	1.4920	1.5966	1.4920	1.5966
22	ACCESS CUSTOMER ADVOCATE CENTER (UNEC)	Connect	4AXX	NETWORK	0.9500	0.0000	0.9500	0.0000
23								
24	INSTALL & MTCE-SPEC SVCS (SSIM)	Service Order	411X	NETWORK	0.2500	0.1667	0.1667	0.0833
25	INSTALL & MTCE-SPEC SVCS (SSIM)	Connect	411X	NETWORK	1.8400	1.5000	0.9200	0.7500
26	INSTALL & MTCE-SPEC SVCS (SSIM)	Travel	411X	NETWORK	0.3000	0.3000	0.0000	0.0000
27								
28	CUSTOMER POINT OF CONTACT (LCSC) TOTAL TIME	Service Order	230X	NETWORK	1.1958	0.5275	1.1958	0.5275
29	WORK TIME ELECTRONIC INTERFACE	Service Order	230X	NETWORK	0.0175	0.0175	0.0175	0.0175
30	MANUAL ADDITIVE	Service Order	230X		1.1783	0.5100	1.1783	0.5100
31								
32	CO INSTALL & MTCE CKT & FAC (INTEL)	Test	431X	NETWORK	2.2380	0.0000	2.2380	0.0000
33	ACCESS CUSTOMER ADVOCATE CENTER (UNEC)	Test	4AXX	NETWORK	0.9500	0.0000	0.9500	0.0000
34								
35								
36	INSTALL & MTCE-SPEC SVCS (SSIM)	Test	411X	NETWORK	2.7600	0.0000	1.3800	0.0000
37								
38	COST ELEMENT LIFE IN MONTHS			52				

001429

	A	B	C	D	E
1	Tennessee				
2	RECURRING INPUTS				
3	Study Period: 2000-2002				
4					
5	Element #: D.5.7 & D.5.8				
6	Item/Description				
7	Description	FRC	SubFRC	Source	Amount
8	Battery Back-up - OC- 3 (CP)	357C	19	SONET Price Calculator	\$ 1,613.0008
9	Battery Back-up - OC- 3 (CP)	357C	22	SONET Price Calculator	\$ 1,215.4195
10	Battery Back-up - OC-12 (CP)	357C	19	SONET Price Calculator	\$ 310.3549
11	Battery Back-up - OC-12 (CP)	357C	22	SONET Price Calculator	\$ 233.8569
12	Battery Back-up - OC-48 (CP)	357C	19	SONET Price Calculator	\$ 96.6486
13	Battery Back-up - OC-48 (CP)	357C	22	SONET Price Calculator	\$ 72.8261
14	C.O. Interface DS3 on OC- 3	357C	03	SONET Price Calculator	\$ 200.9765
15	C.O. Interface DS3 on OC- 3	357C	09	SONET Price Calculator	\$ 1,814.8000
16	C.O. Interface DS3 on OC-12	357C	03	SONET Price Calculator	\$ 200.9765
17	C.O. Interface DS3 on OC-12	357C	09	SONET Price Calculator	\$ 1,628.8540
18	C.O. Interface DS3 on OC-48 - Mux & Protect	357C	06	SONET Price Calculator	\$ 301.0530
19	C.O. Interface DS3 on OC-48 - Working	357C	03	SONET Price Calculator	\$ 200.9765
20	C.O. Interface DS3 on OC-48 - Working	357C	09	SONET Price Calculator	\$ 840.7000
21	C.O. Node - OC- 3	357C	03	SONET Price Calculator	\$ 274.1497
22	C.O. Node - OC- 3	357C	06	SONET Price Calculator	\$ 6,360.5442
23	C.O. Node - OC-12	357C	03	SONET Price Calculator	\$ 223.6475
24	C.O. Node - OC-12	357C	06	SONET Price Calculator	\$ 2,775.6981
25	C.O. Node - OC-48 Term	357C	03	SONET Price Calculator	\$ 2,174.9197
26	C.O. Node - OC-48 Term	357C	06	SONET Price Calculator	\$ 3,684.1850
27	C.P. Interface DS3 on OC- 3	357C	19	SONET Price Calculator	\$ 200.9765
28	C.P. Interface DS3 on OC- 3	357C	25	SONET Price Calculator	\$ 1,814.8000
29	C.P. Interface DS3 on OC-12	357C	19	SONET Price Calculator	\$ 200.9765
30	C.P. Interface DS3 on OC-12	357C	25	SONET Price Calculator	\$ 1,628.8540
31	C.P. Interface DS3 on OC-48 - Mux & Protect	357C	22	SONET Price Calculator	\$ 301.0530
32	C.P. Interface DS3 on OC-48 - Working	357C	19	SONET Price Calculator	\$ 200.9765
33	C.P. Interface DS3 on OC-48 - Working	357C	25	SONET Price Calculator	\$ 840.7000
34	C.P. Node - OC- 3	357C	19	SONET Price Calculator	\$ 274.1497
35	C.P. Node - OC- 3	357C	22	SONET Price Calculator	\$ 6,360.5442
36	C.P. Node - OC-12	357C	19	SONET Price Calculator	\$ 223.6475
37	C.P. Node - OC-12	357C	22	SONET Price Calculator	\$ 2,775.6981
38	C.P. Node - OC-48 Term	357C	19	SONET Price Calculator	\$ 2,174.9197
39	C.P. Node - OC-48 Term	357C	22	SONET Price Calculator	\$ 3,684.1850
40	Data Communications - OC- 3	357C	15	SONET Price Calculator	\$ 665.9108
41	Data Communications - OC-12	357C	15	SONET Price Calculator	\$ 128.1268
42	Data Communications - OC-48	357C	15	SONET Price Calculator	\$ 39.9004
43	Fiber Building Entrance Cable (LC) - OC- 3	812C	00	SONET Price Calculator	\$ 270.7592
44	Fiber Building Entrance Cable (LC) - OC-12	812C	00	SONET Price Calculator	\$ 67.6898
45	Fiber Building Entrance Cable (LC) - OC-48	812C	00	SONET Price Calculator	\$ 16.9224
46	Aerial Fiber - Per Wgtd Fiber Mile - OC- 3 (LC)	822C	00	SONET Price Calculator	\$ 28.9054
47	Aerial Fiber - Per Wgtd Fiber Mile - OC-12 (LC)	822C	00	SONET Price Calculator	\$ 7.2263
48	Aerial Fiber - Per Wgtd Fiber Mile - OC-48 (LC)	822C	00	SONET Price Calculator	\$ 1.8066
49	Buried Fiber - Per Wgtd Fiber Mile - OC- 3 (LC)	845C	00	SONET Price Calculator	\$ 7.9276
50	Buried Fiber - Per Wgtd Fiber Mile - OC-12 (LC)	845C	00	SONET Price Calculator	\$ 1.9819
51	Buried Fiber - Per Wgtd Fiber Mile - OC-48 (LC)	845C	00	SONET Price Calculator	\$ 0.4955
52	UG Fiber - Per Wgtd Fiber Mile - OC- 3 (LC)	85C	00	SONET Price Calculator	\$ 24.1488
53	UG Fiber - Per Wgtd Fiber Mile - OC-12 (LC)	85C	00	SONET Price Calculator	\$ 6.0372
54	UG Fiber - Per Wgtd Fiber Mile - OC-48 (LC)	85C	00	SONET Price Calculator	\$ 1.5093
55	DSX-3 Term	357C	19	SONET Price Calculator	\$ 200.9800
56					
57	Route to Air Ratio (RTA)			Network	1.34
58					
59	Number of Strands per Ring				3
60	Probability of Occurrence OC-3			Network	55%
61	Probability of Occurrence OC-12			Network	25%
62	Probability of Occurrence OC-48			Network	20%

001430

	A	B	C	D	E	F	G
1	Tennessee						
2	SUMMARY						
3	Study Period: 2000-2002						
4							
5	Element #: D.5.7 & D.5.8						
6	ELECTRONIC MATERIAL						
7							
8			0C-3	0C-12	0C-48		
9	FRC	SubFRC	WP311	WP321	WP331	TOTAL	SOURCE
10	357C	03	\$ 261.3194	\$ 106.1560	\$475.1792	\$ 842.6546	Line 55
11	357C	06	\$3,498.2993	\$ 693.9245	\$797.0476	\$4,989.2714	Line 56
12	357C	09	\$ 998.1400	\$ 407.2135	\$168.1400	\$1,573.4935	Line 57
13	357C	15	\$ 366.2509	\$ 32.0317	\$ 7.9801	\$ 406.2627	Line 58
14	357C	19	\$1,259.0088	\$ 233.9897	\$534.7049	\$2,027.7034	Line 59
15	357C	22	\$4,166.7800	\$ 752.3887	\$811.6128	\$5,730.7816	Line 60
16	357C	25	\$ 998.1400	\$ 407.2135	\$168.1400	\$1,573.4935	Line 61
17	812C	00	\$ 148.9175	\$ 16.9224	\$ 3.3845	\$ 169.2245	Line 62
18							
19							
20	TRANSPORT MATERIAL						
21							
22			0C-3	0C-12	0C-48		
23	FRC	SubFRC	WP312	WP322	WP332	TOTAL	SOURCE
24	822C	00	\$ 63.9098	\$ 7.2625	\$ 1.4525	\$ 72.6247	Line 23
25	845C	00	\$ 17.5280	\$ 1.9918	\$ 0.3984	\$ 19.9182	Line 24
26	85C	00	\$ 53.3930	\$ 6.0674	\$ 1.2135	\$ 60.6738	Line 25

001431

	A	B	C	D	E
1	Tennessee				
2	OC-3 ELECTRONICS				
3	Study Period: 2000-2002				
4					
5	Element #: D.5.7 & D.5.8				
6	Item/Description				
7	Description	FRC	SubFRC	Source	Amount
8	CENTRAL OFFICE				
9					
10	C.O. Interface DS3 on OC- 3	357C	03	Input Sheet Line 14	\$ 200.9765
11	C.O. Interface DS3 on OC- 3	357C	09	Input Sheet Line 15	\$ 1,814.8000
12					
13	C.O. Node - OC- 3	357C	03	Input Sheet Line 21	\$ 274.1497
14	C.O. Node - OC- 3	357C	06	Input Sheet Line 22	\$ 6,360.5442
15					
16	Data Communications - OC- 3	357C	15	Input Sheet Line 40	\$ 665.9108
17					
18	TOTAL			Sum Lines 10 Thru 16	\$ 9,316.3812
19					
20	POINT OF TERMINATION (CLEC)				
21					
22	C.P. Interface DS3 on OC- 3	357C	19	Input Sheet Line 27	\$ 200.9765
23	C.P. Interface DS3 on OC- 3	357C	25	Input Sheet Line 28	\$ 1,814.8000
24					
25	C.P. Node - OC- 3	357C	19	Input Sheet Line 34	\$ 274.1497
26	C.P. Node - OC- 3	357C	22	Input Sheet Line 35	\$ 6,360.5442
27					
28	Battery Back-up - OC- 3 (CP)	357C	19	Input Sheet Line 8	\$ 1,613.0008
29	Battery Back-up - OC- 3 (CP)	357C	22	Input Sheet Line 9	\$ 1,215.4195
30					
31	Fiber Building Entrance Cable (LC) - OC- 3	812C	00	Input Sheet Line 43	\$ 270.7592
32					
33	DSX-3 Term	357C	19	Input Sheet Line 55	\$ 200.9800
34					
35	TOTAL			Sum Lines 22 Thru 33	\$ 11,950.6298
36					
37					
38	SUMMARY BY FRC				
39					
40	Digitl Circ C.O. - Hardwired	357C	03	Sum Lines 10, 13	\$ 475.1261
41	Digitl Circ C.O. - Com. Plug-in	357C	06	Lines 14	\$ 6,360.5442
42	Digitl Circ C.O. - Def. Plug-in	357C	09	Line 11	\$ 1,814.8000
43	Digitl Circ C.O. - Combined	357C	15	Line 16	\$ 665.9108
44	Digitl Circ Prem - Hardwired	357C	19	Sum Lines 22, 25, 28, 33	\$ 2,289.1069
45	Digitl Circ Prem - Com. Plug-in	357C	22	Sum Lines 26, 29	\$ 7,575.9637
46	Digitl Circ Prem - Def. Plug-in	357C	25	Line 23	\$ 1,814.8000
47	Fiber Bldg. Entrance Cable	812C	00	Line 31	\$ 270.7592
48	TOTAL DS3 LOCAL CHANNEL			Sum Lines 40 Thru 47	\$ 21,267.0109
49					
50					
51	Probability of Occurrence OC-3			Input Sheet Line 60	55%
52					
53	SUMMARY BY FRC - WEIGHTED				
54					
55	Digitl Circ C.O. - Hardwired	357C	03	Line 51 * Line 40	\$ 261.319
56	Digitl Circ C.O. - Com. Plug-in	357C	06	Line 51 * Line 41	\$ 3,498.299
57	Digitl Circ C.O. - Def. Plug-in	357C	09	Line 51 * Line 42	\$ 998.140
58	Digitl Circ C.O. - Combined	357C	15	Line 51 * Line 43	\$ 366.251
59	Digitl Circ Prem - Hardwired	357C	19	Line 51 * Line 44	\$ 1,259.009
60	Digitl Circ Prem - Com. Plug-in	357C	22	Line 51 * Line 45	\$ 4,166.780
61	Digitl Circ Prem - Def. Plug-in	357C	25	Line 51 * Line 46	\$ 998.140
62	Fiber Bldg. Entrance Cable	812C	00	Line 51 * Line 47	\$ 148.918
63	TOTAL DS3 LOCAL CHANNEL (WEIGHTED)			Sum Lines 55 Thru 62	\$ 11,696.856

001432

	A	B	C	D	E
1	Tennessee				
2	OC-3 TRANSPORT				
3	Study Period: 2000-2002				
4					
5	Element #: D.5.7 & D.5.8				
6	Item/Description				
7	Description	FRC	SubFRC	Source	Amount
8	MATERIAL PER MILE PER STRAND (ROUTE)				
9					
10	Aerial Fiber - Per Wgtd Fiber Mile - OC- 3 (LC)	822C	00	Input Sheet Line 46	\$ 28.9054
11	Buried Fiber - Per Wgtd Fiber Mile - OC- 3 (LC)	845C	00	Input Sheet Line 49	\$ 7.9276
12	UG Fiber - Per Wgtd Fiber Mile - OC- 3 (LC)	85C	00	Input Sheet Line 52	\$ 24.1488
13					
14	Number of Strands per Ring			Input Sheet Line 59	3
15					
16	Probability of Occurrence OC-3			Input Sheet Line 60	55%
17					
18	Route to Air Ratio (RTA)			Input Sheet Line 57	1.34
19					
20					
21	WEIGHTED MATERIAL PER MILE PER STRAND (AIR)				
22					
23	Aerial Fiber - Per Wgtd Fiber Mile - OC- 3 (LC)	822C	00	Line 10 * Line 14 * Line 16 * Line 18	\$ 63.9098
24	Buried Fiber - Per Wgtd Fiber Mile - OC- 3 (LC)	845C	00	Line 11 * Line 14 * Line 16 * Line 18	\$ 17.5280
25	UG Fiber - Per Wgtd Fiber Mile - OC- 3 (LC)	85C	00	Line 12 * Line 14 * Line 16 * Line 18	\$ 53.3930

001433

	A	B	C	D	E
1	Tennessee				
2	OC-12 ELECTRONICS				
3	Study Period: 2000-2002				
4					
5	Element #: D.5.7 & D.5.8				
6	Item/Description				
7	Description	FRC	SubFRC	Source	Amount
8	CENTRAL OFFICE				
9					
10	C.O. Interface DS3 on OC-12	357C	03	Input Sheet Line 16	\$ 200.9765
11	C.O. Interface DS3 on OC-12	357C	09	Input Sheet Line 17	\$ 1,628.8540
12					
13	C.O. Node - OC-12	357C	03	Input Sheet Line 23	\$ 223.6475
14	C.O. Node - OC-12	357C	06	Input Sheet Line 24	\$ 2,775.6981
15					
16	Data Communications - OC-12	357C	15	Input Sheet Line 41	\$ 128.1268
17					
18	TOTAL			Sum Lines 10 Thru 16	\$ 4,957.3028
19					
20	POINT OF TERMINATION (CLEC)				
21					
22	C.P. Interface DS3 on OC-12	357C	19	Input Sheet Line 29	\$ 200.9765
23	C.P. Interface DS3 on OC-12	357C	25	Input Sheet Line 30	\$ 1,628.8540
24					
25	C.P. Node - OC-12	357C	19	Input Sheet Line 36	\$ 223.6475
26	C.P. Node - OC-12	357C	22	Input Sheet Line 37	\$ 2,775.6981
27					
28	Battery Back-up - OC-12 (CP)	357C	19	Input Sheet Line 10	\$ 310.3549
29	Battery Back-up - OC-12 (CP)	357C	22	Input Sheet Line 11	\$ 233.8569
30					
31	Fiber Building Entrance Cable (LC) - OC-12	812C	00	Input Sheet Line 44	\$ 67.6898
32					
33	DSX-3 Term	357C	19	Input Sheet Line 55	\$ 200.9800
34					
35	TOTAL			Sum Lines 22 Thru 33	\$ 5,642.0575
36					
37					
38	SUMMARY BY FRC				
39					
40	Digitl Circ C.O. - Hardwired	357C	03	Sum Lines 10, 13	\$ 424.6239
41	Digitl Circ C.O. - Com. Plug-in	357C	06	Lines 14	\$ 2,775.6981
42	Digitl Circ C.O. - Def. Plug-in	357C	09	Line 11	\$ 1,628.8540
43	Digitl Circ C.O. - Combined	357C	15	Line 16	\$ 128.1268
44	Digitl Circ Prem - Hardwired	357C	19	Sum Lines 22, 25, 28, 33	\$ 935.9588
45	Digitl Circ Prem - Com. Plug-in	357C	22	Sum Lines 26, 29	\$ 3,009.5550
46	Digitl Circ Prem - Def. Plug-in	357C	25	Line 23	\$ 1,628.8540
47	Fiber Bldg. Entrance Cable	812C	00	Line 31	\$ 67.6898
48	TOTAL DS3 LOCAL CHANNEL			Sum Lines 40 Thru 47	\$ 10,599.3604
49					
50					
51	Probability of Occurrence OC-12			Input Sheet Line 61	25%
52					
53	SUMMARY BY FRC - WEIGHTED				
54					
55	Digitl Circ C.O. - Hardwired	357C	03	Line 51 * Line 40	\$ 106.1560
56	Digitl Circ C.O. - Com. Plug-in	357C	06	Line 51 * Line 41	\$ 693.9245
57	Digitl Circ C.O. - Def. Plug-in	357C	09	Line 51 * Line 42	\$ 407.2135
58	Digitl Circ C.O. - Combined	357C	15	Line 51 * Line 43	\$ 32.0317
59	Digitl Circ Prem - Hardwired	357C	19	Line 51 * Line 44	\$ 233.9897
60	Digitl Circ Prem - Com. Plug-in	357C	22	Line 51 * Line 45	\$ 752.3887
61	Digitl Circ Prem - Def. Plug-in	357C	25	Line 51 * Line 46	\$ 407.2135
62	Fiber Bldg. Entrance Cable	812C	00	Line 51 * Line 47	\$ 16.9224
63	TOTAL DS3 LOCAL CHANNEL (WEIGHTED)			Sum Lines 55 Thru 62	\$ 2,649.8401

001434

	A	B	C	D	E
1	Tennessee				
2	OC-12 TRANSPORT				
3	Study Period: 2000-2002				
4					
5	Element #: D.5.7 & D.5.8				
6	Item/Description				
7	Description	FRC	SubFRC	Source	Amount
8	MATERIAL PER MILE PER STRAND (ROUTE)				
9					
10	Aerial Fiber - Per Wgtd Fiber Mile - OC-12 (LC)	822C	00	Input Sheet Line 47	\$ 7.2263
11	Buried Fiber - Per Wgtd Fiber Mile - OC-12 (LC)	845C	00	Input Sheet Line 50	\$ 1.9819
12	UG Fiber - Per Wgtd Fiber Mile - OC-12 (LC)	85C	00	Input Sheet Line 53	\$ 6.0372
13					
14	Number of Strands per Ring			Input Sheet Line 59	3
15					
16	Probability of Occurrence OC-12			Input Sheet Line 61	25%
17					
18	Route to Air Ratio (RTA)			Input Sheet Line 57	1.34
19					
20					
21	WEIGHTED MATERIAL PER MILE PER STRAND (AIR)				
22					
23	Aerial Fiber - Per Wgtd Fiber Mile - OC-12 (LC)	822C	00	Line 10 * Line 14 * Line 16 * Line 18	\$ 7.2625
24	Buried Fiber - Per Wgtd Fiber Mile - OC-12 (LC)	845C	00	Line 11 * Line 14 * Line 16 * Line 18	\$ 1.9918
25	UG Fiber - Per Wgtd Fiber Mile - OC-12 (LC)	85C	00	Line 12 * Line 14 * Line 16 * Line 18	\$ 6.0674

001435

	A	B	C	D	E
1	Tennessee				
2	OC-48 ELECTRONICS				
3	Study Period: 2000-2002				
4					
5	Element #: D.5.7 & D.5.8				
6	Item/Description				
7	Description	FRC	SubFRC	Source	Amount
8	CENTRAL OFFICE				
9					
10	C.O. Interface DS3 on OC-48 - Mux & Protect	357C	06	Input Sheet Line 18	\$ 301.0530
11	C.O. Interface DS3 on OC-48 - Working	357C	03	Input Sheet Line 19	\$ 200.9765
12	C.O. Interface DS3 on OC-48 - Working	357C	09	Input Sheet Line 20	\$ 840.7000
13					
14	C.O. Node - OC-48 Term	357C	03	Input Sheet Line 25	\$ 2,174.9197
15	C.O. Node - OC-48 Term	357C	06	Input Sheet Line 26	\$ 3,684.1850
16					
17	Data Communications - OC-48	357C	15	Input Sheet Line 42	\$ 39.9004
18					
19	TOTAL			Sum Lines 10 Thru 17	\$ 7,241.7345
20					
21	POINT OF TERMINATION (CLEC)				
22					
23	C.P. Interface DS3 on OC-48 - Mux & Protect	357C	22	Input Sheet Line 31	\$ 301.0530
24	C.P. Interface DS3 on OC-48 - Working	357C	19	Input Sheet Line 32	\$ 200.9765
25	C.P. Interface DS3 on OC-48 - Working	357C	25	Input Sheet Line 33	\$ 840.7000
26					
27	C.P. Node - OC-48 Term	357C	19	Input Sheet Line 38	\$ 2,174.9197
28	C.P. Node - OC-48 Term	357C	22	Input Sheet Line 39	\$ 3,684.1850
29					
30	Battery Back-up - OC-48 (CP)	357C	19	Input Sheet Line 12	\$ 96.6486
31	Battery Back-up - OC-48 (CP)	357C	22	Input Sheet Line 13	\$ 72.8261
32					
33	Fiber Building Entrance Cable (LC) - OC-48	812C	00	Input Sheet Line 45	\$ 16.9224
34					
35	DSX-3 Term	357C	19	Input Sheet Line 55	\$ 200.9800
36					
37					
38	SUMMARY BY FRC				
39	TOTAL			Sum Lines 23 Thru 35	\$ 7,589.2112
40					
41					
42	Digitl Circ C.O. - Hardwired	357C	03	Sum Lines 11, 14	\$ 2,375.8961
43	Digitl Circ C.O. - Com. Plug-in	357C	06	Sum Lines 10, 15	\$ 3,985.2380
44	Digitl Circ C.O. - Def. Plug-in	357C	09	Line 12	\$ 840.7000
45	Digitl Circ C.O. - Combined	357C	15	Line 17	\$ 39.9004
46	Digitl Circ Prem - Hardwired	357C	19	Sum Lines 24, 27, 30, 35	\$ 2,673.5247
47	Digitl Circ Prem - Com. Plug-in	357C	22	Sum Lines 23, 28, 31	\$ 4,058.0641
48	Digitl Circ Prem - Def. Plug-in	357C	25	Line 25	\$ 840.7000
49	Fiber Bldg. Entrance Cable	812C	00	Line 33	\$ 16.9224
50	TOTAL DS3 LOCAL CHANNEL			Sum Lines 42 Thru 49	\$ 14,830.9457
51					
52	Probability of Occurrence OC-48			Input Sheet Line 62	20%
53	SUMMARY BY FRC - WEIGHTED				
54					
55	Digitl Circ C.O. - Hardwired	357C	03	Line 52 * Line 42	\$ 475.1792
56	Digitl Circ C.O. - Com. Plug-in	357C	06	Line 52 * Line 43	\$ 797.0476
57	Digitl Circ C.O. - Def. Plug-in	357C	09	Line 52 * Line 44	\$ 168.1400
58	Digitl Circ C.O. - Combined	357C	15	Line 52 * Line 45	\$ 7.9801
59	Digitl Circ Prem - Hardwired	357C	19	Line 52 * Line 46	\$ 534.7049
60	Digitl Circ Prem - Com. Plug-in	357C	22	Line 52 * Line 47	\$ 811.6128
61	Digitl Circ Prem - Def. Plug-in	357C	25	Line 52 * Line 48	\$ 168.1400
62	Fiber Bldg. Entrance Cable	812C	00	Line 52 * Line 49	\$ 3.3845
63	TOTAL DS3 LOCAL CHANNEL (WEIGHTED)			Sum Lines 55 Thru 62	\$ 2,966.1891

	A	B	C	D	E
1	Tennessee				
2	OC-48 TRANSPORT				
3	Study Period: 2000-2002				
4					
5	Element #: D.5.7 & D.5.8				
6	Item/Description				
7	Description	FRC	SubFRC	Source	Amount
8	MATERIAL PER MILE PER STRAND (ROUTE)				
9					
10	Aerial Fiber - Per Wgtd Fiber Mile - OC-48 (LC) 822C	00		Input Sheet Line 48	\$ 1.8066
11	Buried Fiber - Per Wgtd Fiber Mile - OC-48 (LC) 845C	00		Input Sheet Line 51	\$ 0.4955
12	UG Fiber - Per Wgtd Fiber Mile - OC-48 (LC) 85C	00		Input Sheet Line 54	\$ 1.5093
13					
14	Number of Strands per Ring			Input Sheet Line 59	3
15					
16	Probability of Occurrence OC-48			Input Sheet Line 62	20%
17					
18	Route to Air Ratio (RTA)			Input Sheet Line 57	1.34
19					
20					
21	WEIGHTED MATERIAL PER MILE PER STRAND (AIR)				
22					
23	Aerial Fiber - Per Wgtd Fiber Mile - OC-48 (LC) 822C	00		Line 10 * Line 14 * Line 16 * Line 18	\$ 1.4525
24	Buried Fiber - Per Wgtd Fiber Mile - OC-48 (LC) 845C	00		Line 11 * Line 14 * Line 16 * Line 18	\$ 0.3984
25	UG Fiber - Per Wgtd Fiber Mile - OC-48 (LC) 85C	00		Line 12 * Line 14 * Line 16 * Line 18	\$ 1.2135

001437

A	B	C	D	E	F	G	H	I	J
1	CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA								
2									
3	Instructions:								
4	1. Use this worksheet to record material and/or investments to be input into the								
5	Calculator calculations.								
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).								
7	3. Input data, by Cost Element, leaving no blank lines. On next row								
8	after last line of data, type END in Cost Element Column.								
9	4. All data on this form should be cell-referenced to study workpapers.								
10	5. Do NOT change columns, headings, sheet name.								
11									
12									
13									
14	<u>State</u>	<u>Cost</u>	<u>Sub</u>	<u>Volume</u>	<u>Volume</u>				
15	TN	Element #	FRC	Sensitive	Insensitive				
16	TN	D.5.11	357C	\$ Amount	\$ Amount				
17	TN	D.5.11	357C	\$ 2,928.8961	\$ 9,388.9767				
18	TN	D.5.11	357C	\$ 9,388.9767	\$ 4,754.6400				
19	TN	D.5.11	357C	\$ 4,754.6400	\$ 278.5087				
20	TN	D.5.11	357C	\$ 278.5087	\$ 3,838.9690				
21	TN	D.5.11	357C	\$ 3,838.9690	\$ 9,984.7017				
22	TN	D.5.11	812C	\$ 9,984.7017	\$ 4,754.6400				
23	TN	D.5.10	822C	\$ 4,754.6400	\$ 142.1486				
24	TN	D.5.10	845C	\$ 142.1486	\$ 61.0048				
25	TN	D.5.10	85C	\$ 61.0048	\$ 16.7313				
26		END	00	\$ 16.7313	\$ 50.9660				

001439

A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - RECURRING EXPENSES DATA						
2	Instructions: 1. Use this worksheet to record recurring non-labor expenses to be input into the Calculator calculations. 2. All amounts shown are per unit (e.g., per call, per loop, per MOU). 3. Input data, by Cost Element, leaving no blank lines. On next row after last line of data, type END in Cost Element Column. 4. All data on this form should be cell-referenced to study workpapers. 5. Do NOT change columns, headings, sheet name.						
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17	Cost	Recurring	Recurring	Recurring			
18	State	Expense Description	Volume	Volume			
19	Element #	(Limited to 25 characters)	Sensitive	Insensitive			
20			\$ Amount	\$ Amount			
21							
22							
23							
24							
25							
26							
27							
28	Maximum 10 entries per Cost Element #						
29							
30							

001440

A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA						
2	Instructions: 1. Use this worksheet to record nonrecurring non-labor expenses to be input into the Calculator calculations. 2. All amounts shown are per unit (e.g., per call, per loop, per MOU). 3. Input data, by Cost Element, leaving no blank lines. On next row after last line of data, type END in Cost Element Column. 4. All data on this form should be cell-referenced to study workpapers. 5. Do NOT change columns, headings, sheet name. 6. Use column D when cost element has a single nonrecurring cost; use columns E & F for elements with a first and additional nonrecurring cost; use columns G & H for elements with an initial and subsequent nonrecurring cost.						
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16	State	Cost	Nonrecurring	Nonrecurring	Nonrecurring	Nonrecurring	Nonrecurring
17	Element #	Expense Description	Nonrecurring	First	Additional	Initial	Subsequent
18		(Limited to 25 characters)	\$ Amount	\$ Amount	\$ Amount	\$ Amount	\$ Amount
19	END						
20							
21							
22							
23							
24							
25							
26							
27							
28	Maximum 10 entries per Cost Element #						
29							
30							

001441

A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA						
2							
3	Instructions:						
4	1. Use this worksheet to record recurring expensed labor times to be input into the						
5	Calculator calculations.						
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
7	3. Input data, by Cost Element, leaving no blank lines. On next row						
8	after last line of data, type END in Cost Element Column.						
9	4. All data on this form should be cell-referenced to study workpapers.						
10	5. Do NOT change columns, headings, sheet name.						
11							
12							
13							
14							
15	State	Cost	Labor Expense Description	JFC/	Work Time (Hours)		
16	Element #	(Limited to 25 characters)	Payband	Volume Sensitive	Volume Insensitive		
17	TN						
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							

Maximum 20 entries per Cost Element #

001442

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15	Study Mid-Point Date (Mos.)					6/12/00								
16														
17														
18														
19														
20	State	Cost Element #	Cost Element Life (Mo)	Labor Expense Description (Limited to 25 characters)	JFC/ Payband	(For use w/ one NR) Installation Time (Hours)	First Installation Time (Hours)	First Disconnect Time (Hours)	Additional Installation Time (Hours)	Additional Disconnect Time (Hours)	Initial Installation Time (Hours)	Initial Disconnect Time (Hours)	Subsequent Installation Time (Hours)	Subsequent Disconnect Time (Hours)
21	TN	D 5 11	52 Service Inquiry	SDWC		2.0000	2.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
22	TN	D 5 11	52 Service Inquiry	34XX		8.0000	8.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
23	TN	D 5 11	52 Service Order	44XX		0.0600	0.0600	0.0000	0.0600	0.0000	0.0000	0.0000	0.0000	0.0000
24	TN	D 5 11	52 Service Order	4NXX		0.1118	0.1118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25	TN	D 5 11	52 Service Order	4WXX		0.2500	0.2500	0.0000	0.0500	0.0000	0.0000	0.0000	0.0000	0.0000
26	TN	D 5 11	52 Service Order	43XX		0.1333	0.1333	0.0000	0.0833	0.0000	0.0000	0.0000	0.0000	0.0000
27	TN	D 5 11	52 Engineering	32XX		2.0833	2.0833	0.0000	2.0833	0.0000	0.0000	0.0000	0.0000	0.0000
28	TN	D 5 11	52 Engineering	3A2X		0.0333	0.0333	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
29	TN	D 5 11	52 Engineering	4NXX		1.6640	1.6640	0.0000	1.6640	0.0000	0.0000	0.0000	0.0000	0.0000
30	TN	D 5 11	52 Connect	431X		1.4920	1.4920	0.0000	1.4920	0.0000	0.0000	0.0000	0.0000	0.0000
31	TN	D 5 11	52 Connect	44XX		1.1400	1.1400	0.0000	1.1400	0.0000	0.0000	0.0000	0.0000	0.0000
32	TN	D 5 1198	52 Test	431X		2.2360	2.2360	0.0000	2.2360	0.0000	0.0000	0.0000	0.0000	0.0000
33	TN	D 5 1198	52 Test	44XX		0.0175	0.0175	0.0000	0.0175	0.0000	0.0000	0.0000	0.0000	0.0000
34	TN	D 5 11	52 Service Order	230X		1.1783	1.1783	0.0000	1.1783	0.0000	0.0000	0.0000	0.0000	0.0000
35	TN	D 5 12	52 Service Order	230X		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
36	TN	D 5 1199	52 Service Order	44XX		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
37	TN	D 5 1199	52 Service Order	4NXX		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
38	TN	D 5 1199	52 Service Order	430X		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
39	TN	D 5 1199	52 Service Order	3A2X		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40	TN	D 5 1199	52 Engineering	4NXX		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
41	TN	D 5 1199	52 Engineering	431X		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
42	TN	D 5 1199	52 Connect	431X		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
43	TN	D 5 1239	52 Service Order	230X		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
44	END					0.0000	0.0000	0.5100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

001443

	A	B	C	D	E	F	G	H
1	Tennessee							
2	NONRECURRING WORKTIMES							
3	Study Period: 2000-2002							
4								
5	Element #: D.5.10 & D.5.11				First	First	Additional	Additional
6	Item/Description				Install	Disconnect	Install	Disconnect
7	Work Group	Description	JFC / JG / WS	Source	Time Hrs	Time Hrs	Time Hrs	Time Hrs
8								
9	COMPLEX RESALE SUPPORT GROUP (CRSG)	Service Inquiry	SDWC	NETWORK	2.0000	0.0000	0.0000	0.0000
10	NETWORK & ENGINEERING PLANNING (FG20)	Service Inquiry	34XX	NETWORK	8.0000	0.0000	0.0000	0.0000
11								
12	ACCESS CUSTOMER ADVOCATE CENTER (UNEC)	Service Order	4AXX	NETWORK	0.0600	0.1800	0.0600	0.1800
13	CIRCUIT PROVISIONING GROUP (CPG)	Service Order	4N4X	NETWORK	0.1118	0.0412	0.0000	0.0000
14	WORK MANAGEMENT CENTER	Service Order	4WXX	NETWORK	0.2500	0.0000	0.0500	0.0000
15	CO INSTALL & MTCE-SWITCH EQUIP	Service Order	430X	NETWORK	0.1333	0.1166	0.0833	0.1166
16								
17	OUTSIDE PLANT ENGINEERING (FG30)	Engineering	32XX	NETWORK	2.0833	0.0000	2.0833	0.0000
18	NETWORK PLANNING & ENGINEERING (PICS)	Engineering	3A2X	NETWORK	0.0333	0.0333	0.0000	0.0000
19	CIRCUIT PROVISIONING CENTER (CPG)	Engineering	4N4X	NETWORK	1.6640	0.2626	1.6640	0.2626
20								
21	CO INSTALL & MTCE CKT & FAC (INTEL)	Connect	431X	NETWORK	1.4920	1.5966	1.4920	1.5966
22	ACCESS CUSTOMER ADVOCATE CENTER (UNEC)	Connect	4AXX	NETWORK	1.1400	0.0000	1.1400	0.0000
23								
24	CO INSTALL & MTCE CKT & FAC (INTEL)	Test	431X	NETWORK	2.2380	0.0000	2.2380	0.0000
25	ACCESS CUSTOMER ADVOCATE CENTER (UNEC)	Test	4AXX	NETWORK	1.1400	0.0000	1.1400	0.0000
26								
27	CUSTOMER POINT OF CONTACT (LCSC) TOTAL TIME	Service Order	230X	NETWORK	1.1958	0.5275	1.1958	0.5275
28	WORK TIME ELECTRONIC INTERFACE	Service Order	230X	NETWORK	0.0175	0.0175	0.0175	0.0175
29	MANUAL ADDITIVE	Service Order	230X		1.1783	0.5100	1.1783	0.5100
30								
31	COST ELEMENT LIFE IN MONTHS				52			

001444

	A	B	C	D	E
1	Tennessee				
2	RECURRING INPUTS				
3	Study Period: 2000-2002				
4					
5	Element #: D.5.10 & D.5.11				
6	Item/Description				
7	Description	FRC	SubFRC	Source	Amount
8	Battery Back-up - OC-12 (CP)	357C	19	SONET Price Calculator	\$ 931.0646
9	Battery Back-up - OC-12 (CP)	357C	22	SONET Price Calculator	\$ 701.5707
10	Battery Back-up - OC-48 (CP)	357C	19	SONET Price Calculator	\$ 579.8913
11	Battery Back-up - OC-48 (CP)	357C	22	SONET Price Calculator	\$ 436.9565
12	C.O. Interface OC- 3 on OC-12	357C	09	SONET Price Calculator	\$ 3,561.8000
13	C.O. Interface OC- 3 on OC-48	357C	09	SONET Price Calculator	\$ 6,543.9000
14	C.O. Node - OC-12	357C	03	SONET Price Calculator	\$ 670.9424
15	C.O. Node - OC-12	357C	06	SONET Price Calculator	\$ 8,327.0942
16	C.O. Node - OC-48 Term	357C	03	SONET Price Calculator	\$ 6,254.2350
17	C.O. Node - OC-48 Term	357C	06	SONET Price Calculator	\$ 10,981.8003
18	C.P. Interface OC- 3 on OC-12	357C	25	SONET Price Calculator	\$ 3,561.8000
19	C.P. Interface OC- 3 on OC-48	357C	25	SONET Price Calculator	\$ 6,543.9000
20	C.P. Node - OC-12	357C	19	SONET Price Calculator	\$ 670.9424
21	C.P. Node - OC-12	357C	22	SONET Price Calculator	\$ 8,327.0942
22	C.P. Node - OC-48 Term	357C	19	SONET Price Calculator	\$ 6,254.2350
23	C.P. Node - OC-48 Term	357C	22	SONET Price Calculator	\$ 10,981.8003
24	Data Communications - OC-12	357C	15	SONET Price Calculator	\$ 384.3805
25	Data Communications - OC-48	357C	15	SONET Price Calculator	\$ 119.7011
26	LGX - OC-12	357C	03	SONET Price Calculator	\$ 15.9250
27	LGX - OC-48	357C	03	SONET Price Calculator	\$ 9.9185
28	LTIE - Fiber Only	357C	19	SONET Price Calculator	\$ 133.0000
29	Pigtail - OC-12	357C		SONET Price Calculator	\$ 13.0890
30	Pigtail - OC-48	357C		SONET Price Calculator	\$ 8.1522
31	Fiber Building Entrance Cable (LC) - OC-12	812C	00	SONET Price Calculator	\$ 203.0694
32	Fiber Building Entrance Cable (LC) - OC-48	812C	00	SONET Price Calculator	\$ 50.7673
33	Aerial Fiber - Per Wgtd Fiber Mile - OC-12 (LC)	822C	00	SONET Price Calculator	\$ 21.6790
34	Aerial Fiber - Per Wgtd Fiber Mile - OC-48 (LC)	822C	00	SONET Price Calculator	\$ 5.4198
35	Buried Fiber - Per Wgtd Fiber Mile - OC-12 (LC)	845C	00	SONET Price Calculator	\$ 5.9457
36	Buried Fiber - Per Wgtd Fiber Mile - OC-48 (LC)	845C	00	SONET Price Calculator	\$ 1.4864
37	UG Fiber - Per Wgtd Fiber Mile - OC-12 (LC)	85C	00	SONET Price Calculator	\$ 18.1116
38	UG Fiber - Per Wgtd Fiber Mile - OC-48 (LC)	85C	00	SONET Price Calculator	\$ 4.5279
39					
40	Route to Air Ratio (RTA)			Network	1.34
41					
42	Number of Strands per Ring				3
43					
44	Probability of Occurrence OC-12			Network	60%
45	Probability of Occurrence OC-48			Network	40%

001445

	A	B	C	D	E	F
1	Tennessee					
2	SUMMARY					
3	Study Period: 2000-2002					
4						
5	Element #: D.5.10 & D.5.11					
6	ELECTRONIC MATERIAL					
7						
8			OC-12	OC-48		
9	FRC	SubFRC	WP311	WP321	TOTAL	SOURCE
10	357C 03		\$ 419.9738	\$2,508.9223	\$ 2,928.8961	Line 55
11	357C 06		\$ 4,996.2565	\$4,392.7201	\$ 9,388.9767	Line 56
12	357C 09		\$ 2,137.0800	\$2,617.5600	\$ 4,754.6400	Line 57
13	357C 15		\$ 230.6283	\$ 47.8804	\$ 278.5087	Line 58
14	357C 19		\$ 1,048.8576	\$2,790.1114	\$ 3,838.9690	Line 59
15	357C 22		\$ 5,417.1990	\$4,567.5027	\$ 9,984.7017	Line 60
16	357C 25		\$ 2,137.0800	\$2,617.5600	\$ 4,754.6400	Line 61
17	812C 00		\$ 121.8416	\$ 20.3069	\$ 142.1486	Line 62
18						
19						
20	TRANSPORT MATERIAL					
21						
22			OC-12	OC-48		
23	FRC	SubFRC	WP312	WP322	TOTAL	SOURCE
24	822C 00		\$ 52.2898	\$ 8.7150	\$ 61.0048	Line 23
25	845C 00		\$ 14.3411	\$ 2.3902	\$ 16.7313	Line 24
26	85C 00		\$ 43.6852	\$ 7.2809	\$ 50.9660	Line 25

001446

	A	B	C	D	E
1	Tennessee				
2	OC-12 ELECTRONICS				
3	Study Period: 2000-2002				
4					
5	Element #: D.5.10 & D.5.11				
6	Item/Description				
7	Description	FRC	SubFRC	Source	Amount
8	CENTRAL OFFICE				
9					
10	C.O. Interface OC- 3 on OC-12	357C 09		Input Sheet Line 12	\$ 3,561.8000
11	LGX - OC-12	357C 03		Input Sheet Line 26	\$ 15.9250
12	Pigtail - OC-12	357C 0		Input Sheet Line 29	\$ 13.0890
13					
14	C.O. Node - OC-12	357C 03		Input Sheet Line 14	\$ 670.9424
15	C.O. Node - OC-12	357C 06		Input Sheet Line 15	\$ 8,327.0942
16					
17	Data Communications - OC-12	357C 15		Input Sheet Line 24	\$ 384.3805
18					
19	TOTAL			Sum Lines 10 Thru 17	\$ 12,973.2311
20					
21	POINT OF TERMINATION (CLEC)				
22					
23	C.P. Interface OC- 3 on OC-12	357C 25		Input Sheet Line 18	\$ 3,561.8000
24	LTIE - Fiber Only	357C 19		Input Sheet Line 28	\$ 133.0000
25	Pigtail - OC-12	357C 19		Input Sheet Line 29	\$ 13.0890
26					
27	C.P. Node - OC-12	357C 19		Input Sheet Line 20	\$ 670.9424
28	C.P. Node - OC-12	357C 22		Input Sheet Line 21	\$ 8,327.0942
29					
30	Battery Back-up - OC-12 (CP)	357C 19		Input Sheet Line 8	\$ 931.0646
31	Battery Back-up - OC-12 (CP)	357C 22		Input Sheet Line 9	\$ 701.5707
32					
33	Fiber Building Entrance Cable (LC) - OC-12	812C 00		Input Sheet Line 31	\$ 203.0694
34					
35	TOTAL			Sum Lines 23 Thru 33	\$ 14,541.6303
36					
37					
38	SUMMARY BY FRC				
39					
40	Digitl Circ C.O. - Hardwired	357C 03		Sum Lines 11, 12, 14	\$ 699.9564
41	Digitl Circ C.O. - Com. Plug-in	357C 06		Lines 15	\$ 8,327.0942
42	Digitl Circ C.O. - Def. Plug-in	357C 09		Line 10	\$ 3,561.8000
43	Digitl Circ C.O. - Combined	357C 15		Line 17	\$ 384.3805
44	Digitl Circ Prem - Hardwired	357C 19		Sum Lines 24, 25, 27, 30	\$ 1,748.0960
45	Digitl Circ Prem - Com. Plug-in	357C 22		Lines 28, 31	\$ 9,028.6649
46	Digitl Circ Prem - Def. Plug-in	357C 25		Line 23	\$ 3,561.8000
47	Fiber Bldg. Entrance Cable	812C 00		Line 33	\$ 203.0694
48	TOTAL OC-03 LOCAL CHANNEL			Sum Lines 40 Thru 47	\$ 27,514.8614
49					
50					
51	Probability of Occurrence OC-12			Input Sheet Line 44	60%
52					
53	SUMMARY BY FRC - WEIGHTED				
54					
55	Digitl Circ C.O. - Hardwired	357C 03		Line 51 * Line 40	\$ 419.9738
56	Digitl Circ C.O. - Com. Plug-in	357C 06		Line 51 * Line 41	\$ 4,996.2565
57	Digitl Circ C.O. - Def. Plug-in	357C 09		Line 51 * Line 42	\$ 2,137.0800
58	Digitl Circ C.O. - Combined	357C 15		Line 51 * Line 43	\$ 230.6283
59	Digitl Circ Prem - Hardwired	357C 19		Line 51 * Line 44	\$ 1,048.8576
60	Digitl Circ Prem - Com. Plug-in	357C 22		Line 51 * Line 45	\$ 5,417.1990
61	Digitl Circ Prem - Def. Plug-in	357C 25		Line 51 * Line 46	\$ 2,137.0800
62	Fiber Bldg. Entrance Cable	812C 00		Line 51 * Line 47	\$ 121.8416
63	TOTAL OC-3 LOCAL CHANNEL (WEIGHTED)			Sum Lines 55 Thru 62	\$ 16,508.9168

001447

	A	B	C	D	E
1	Tennessee				
2	OC-12 TRANSPORT				
3	Study Period: 2000-2002				
4					
5	Element #: D.5.10 & D.5.11				
6	Item/Description				
7	Description	FRC	SubFRC	Source	Amount
8	MATERIAL PER MILE PER STRAND (ROUTE)				
9					
10	Aerial Fiber - Per Wgtd Fiber Mile - OC-12 (LC)	822C 00		Input Sheet Line 33	\$ 21.6790
11	Buried Fiber - Per Wgtd Fiber Mile - OC-12 (LC)	845C 00		Input Sheet Line 35	\$ 5.9457
12	UG Fiber - Per Wgtd Fiber Mile - OC-12 (LC)	85C 00		Input Sheet Line 37	\$ 18.1116
13					
14	Number of Strands per Ring			Input Sheet Line 42	3
15					
16	Probability of Occurrence OC-12			Input Sheet Line 44	60%
17					
18	Route to Air Ratio (RTA)			Input Sheet Line 40	1.34
19					
20					
21	WEIGHTED MATERIAL PER MILE PER STRAND (AIR)				
22					
23	Aerial Fiber - Per Wgtd Fiber Mile - OC-12 (LC)	822C 00		Line 10 * Line 14 * Line 16 * Line 18	\$ 52.2898
24	Buried Fiber - Per Wgtd Fiber Mile - OC-12 (LC)	845C 00		Line 11 * Line 14 * Line 16 * Line 18	\$ 14.3411
25	UG Fiber - Per Wgtd Fiber Mile - OC-12 (LC)	85C 00		Line 12 * Line 14 * Line 16 * Line 18	\$ 43.6852

001448

	A	B	C	D	E
1	Tennessee				
2	OC-48 ELECTRONICS				
3	Study Period: 2000-2002				
4					
5	Element #: D.5.10 & D.5.11				
6	Item/Description				
7	Description	FRC	SubFRC	Source	Amount
8	CENTRAL OFFICE				
9					
10	C.O. Interface OC- 3 on OC-48	357C 09		Input Sheet Line 13	\$ 6,543.9000
11	LGX - OC-48	357C 03		Input Sheet Line 27	\$ 9.9185
12	Pigtail - OC-48	357C 0		Input Sheet Line 30	\$ 8.1522
13					
14	C.O. Node - OC-48 Term	357C 03		Input Sheet Line 16	\$ 6,254.2350
15	C.O. Node - OC-48 Term	357C 06		Input Sheet Line 17	\$ 10,981.8003
16					
17	Data Communications - OC-48	357C 15		Input Sheet Line 25	\$ 119.7011
18					
19	TOTAL			Sum Lines 10 Thru 17	\$ 23,917.7071
20					
21	POINT OF TERMINATION (CLEC)				
22					
23	C.P. Interface OC- 3 on OC-48	357C 25		Input Sheet Line 19	\$ 6,543.9000
24	LTIE - Fiber Only	357C 19		Input Sheet Line 28	\$ 133.0000
25	Pigtail - OC-48	357C 19		Input Sheet Line 30	\$ 8.1522
26					
27	C.P. Node - OC-48 Term	357C 19		Input Sheet Line 22	\$ 6,254.2350
28	C.P. Node - OC-48 Term	357C 22		Input Sheet Line 23	\$ 10,981.8003
29					
30	Battery Back-up - OC-48 (CP)	357C 19		Input Sheet Line 10	\$ 579.8913
31	Battery Back-up - OC-48 (CP)	357C 22		Input Sheet Line 11	\$ 436.9565
32					
33	Fiber Building Entrance Cable (LC) - OC-48	812C 00		Input Sheet Line 32	\$ 50.7673
34					
35	TOTAL			Sum Lines 23 Thru 33	\$ 24,988.7027
36					
37					
38	SUMMARY BY FRC				
39					
40	Digitl Circ C.O. - Hardwired	357C 03		Sum Lines 11, 12, 14	\$ 6,272.3057
41	Digitl Circ C.O. - Com. Plug-in	357C 06		Lines 15	\$ 10,981.8003
42	Digitl Circ C.O. - Def. Plug-in	357C 09		Line 10	\$ 6,543.9000
43	Digitl Circ C.O. - Combined	357C 15		Line 17	\$ 119.7011
44	Digitl Circ Prem - Hardwired	357C 19		Sum Lines 24, 25, 27, 30	\$ 6,975.2785
45	Digitl Circ Prem - Com. Plug-in	357C 22		Lines 28, 31	\$ 11,418.7568
46	Digitl Circ Prem - Def. Plug-in	357C 25		Line 23	\$ 6,543.9000
47	Fiber Bldg. Entrance Cable	812C 00		Line 33	\$ 50.7673
48	TOTAL OC-03 LOCAL CHANNEL			Sum Lines 40 Thru 47	\$ 48,906.4098
49					
50					
51	Probability of Occurrence OC-48			Input Sheet Line 45	40%
52					
53	SUMMARY BY FRC - WEIGHTED				
54					
55	Digitl Circ C.O. - Hardwired	357C 03		Line 51 * Line 40	\$ 2,508.9223
56	Digitl Circ C.O. - Com. Plug-in	357C 06		Line 51 * Line 41	\$ 4,392.7201
57	Digitl Circ C.O. - Def. Plug-in	357C 09		Line 51 * Line 42	\$ 2,617.5600
58	Digitl Circ C.O. - Combined	357C 15		Line 51 * Line 43	\$ 47.8804
59	Digitl Circ Prem - Hardwired	357C 19		Line 51 * Line 44	\$ 2,790.1114
60	Digitl Circ Prem - Com. Plug-in	357C 22		Line 51 * Line 45	\$ 4,567.5027
61	Digitl Circ Prem - Def. Plug-in	357C 25		Line 51 * Line 46	\$ 2,617.5600
62	Fiber Bldg. Entrance Cable	812C 00		Line 51 * Line 47	\$ 20.3069
63	OTAL OC-3 LOCAL CHANNEL (WEIGHTED)			Sum Lines 55 Thru 62	\$ 19,562.5639

001449

	A	B	C	D	E
1	Tennessee				
2	OC-48 TRANSPORT				
3	Study Period: 2000-2002				
4					
5	Element #: D.5.10 & D.5.11				
6	Item/Description				
7	Description	FRC	SubFRC	Source	Amount
8	MATERIAL PER MILE PER STRAND (ROUTE)				
9					
10	Aerial Fiber - Per Wgtd Fiber Mile - OC-48 (LC)	822C 00		Input Sheet Line 34	\$ 5.4198
11	Buried Fiber - Per Wgtd Fiber Mile - OC-48 (LC)	845C 00		Input Sheet Line 36	\$ 1.4864
12	UG Fiber - Per Wgtd Fiber Mile - OC-48 (LC)	85C 00		Input Sheet Line 38	\$ 4.5279
13					
14	Number of Strands per Ring			Input Sheet Line 42	3
15					
16	Probability of Occurrence OC-48			Input Sheet Line 45	40%
17					
18	Route to Air Ratio (RTA)			Input Sheet Line 40	1.34
19					
20					
21	WEIGHTED MATERIAL PER MILE PER STRAND (AIR)				
22					
23	Aerial Fiber - Per Wgtd Fiber Mile - OC-48 (LC)	822C 00		Line 10 * Line 14 * Line 16 * Line 18	\$ 8.7150
24	Buried Fiber - Per Wgtd Fiber Mile - OC-48 (LC)	845C 00		Line 11 * Line 14 * Line 16 * Line 18	\$ 2.3902
25	UG Fiber - Per Wgtd Fiber Mile - OC-48 (LC)	85C 00		Line 12 * Line 14 * Line 16 * Line 18	\$ 7.2809

001450

001451

A	B	C	D	E	F	G
1	CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA					
2						
3	Instructions:					
4	1. Use this worksheet to record material and/or investments to be input into the					
5	Calculator calculations.					
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).					
7	3. Input data, by Cost Element, leaving no blank lines. On next row					
8	after last line of data, type END in Cost Element Column.					
9	4. All data on this form should be cell-referenced to study workpapers.					
10	5. Do NOT change columns, headings, sheet name.					
11						
12						
13		Cost		Volume	Volume	
14	State	Element #	FRC	Sub	Sensitive	Insensitive
15	TN	D.5.14	357C 03		\$ Amount	\$ Amount
16	TN	D.5.14	357C 06		\$	\$
17	TN	D.5.14	357C 09		\$	\$
18	TN	D.5.14	357C 15		\$	\$
19	TN	D.5.14	357C 19		\$	\$
20	TN	D.5.14	357C 22		\$	\$
21	TN	D.5.14	357C 25		\$	\$
22	TN	D.5.14	812C 00		\$	\$
23	TN	D.5.13	822C 00		\$	\$
24	TN	D.5.13	845C 00		\$	\$
25	TN	D.5.13	85C 00		\$	\$
26	END					

001452

A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - RECURRING EXPENSES DATA						
2							
3	Instructions:						
4	1. Use this worksheet to record recurring non-labor expenses to be input into the						
5	Calculator calculations.						
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
7	3. Input data, by Cost Element, leaving no blank lines. On next row						
8	after last line of data, type END in Cost Element Column.						
9	4. All data on this form should be cell-referenced to study workpapers.						
10	5. Do NOT change columns, headings, sheet name.						
11							
12							
13							
14							
15							
16							
17	<u>State</u>	<u>Cost</u>	<u>Recurring</u>	<u>Recurring</u>			
18	TN	<u>Element #</u>	<u>Expense Description</u>	<u>Volume</u>	<u>Volume</u>		
19			<u>(Limited to 25 characters)</u>	<u>Sensitive</u>	<u>Insensitive</u>		
20				<u>\$ Amount</u>	<u>\$ Amount</u>		
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

001453

A	B	C	D	E	F	G	H
CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA							
1	Instructions:						
2	1. Use this worksheet to record nonrecurring non-labor expenses to be input into the Calculator calculations.						
3	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
4	3. Input data, by Cost Element, leaving no blank lines. On next row						
5	after last line of data, type END in Cost Element Column.						
6	4. All data on this form should be cell-referenced to study workpapers.						
7	5. Do NOT change columns, headings, sheet name.						
8	6. Use column D when cost element has a single nonrecurring cost; use columns E & F for elements with a first						
9	and additional nonrecurring cost; use columns G & H for elements with an initial and subsequent nonrecurring cost.						
10							
11							
12							
13							
14							
15							
16	<u>State</u>	<u>Cost</u>	<u>Nonrecurring</u>	<u>Nonrecurring</u>	<u>Nonrecurring</u>	<u>Nonrecurring</u>	<u>Nonrecurring</u>
17	<u>TN</u>	<u>Element #</u>	<u>Expense Description</u>	<u>First</u>	<u>Additional</u>	<u>Initial</u>	<u>Subsequent</u>
18			<u>(Limited to 25 characters)</u>	<u>\$ Amount</u>	<u>\$ Amount</u>	<u>\$ Amount</u>	<u>\$ Amount</u>
19							
20							
21							
22							
23							
24							
25							
26							
27	Maximum 10 entries per Cost Element #						
28							
29							
30							

001454

	A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA							
2								
3	Instructions:							
4	1. Use this worksheet to record recurring expensed labor times to be input into the							
5	Calculator calculations.							
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).							
7	3. Input data, by Cost Element, leaving no blank lines. On next row							
8	after last line of data, type END in Cost Element Column.							
9	4. All data on this form should be cell-referenced to study workpapers.							
10	5. Do NOT change columns, headings, sheet name.							
11								
12								
13								
14		Cost	Labor Expense Description	JFC/	Work Time (Hours)			
15	State	Element #	(Limited to 25 characters)	Payband	Volume Sensitive	Volume Insensitive		
16	TN							
17		END						
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								
38								

Maximum 20 entries per Cost Element #

001455

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES													
2	Instructions:													
3	1. Use this worksheet to record nonrecurring labor times to be input into the Calculator calculations.													
4	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).													
5	3. Input data, by Cost Element, leaving no blank lines. On next row													
6	after last line of data, type END in Cost Element Column.													
7	4. All data on this form should be call-referenced to study worksheets.													
8	5. Do NOT change columns, headings, sheet name.													
9	6. Use column F & G when cost element has a single nonrecurring cost; use columns H, I, J, & K for elements with a first													
10	and additional nonrecurring cost; use columns L, M, N & O for elements with an initial and subsequent nonrecurring cost.													
11	7. Input Cost Element Life (in months) on first row of data for each cost element. It is not necessary to repeat on each line.													
12														
13														
14														
15	Study Mid-Point Date (Moc.)													
16	6/1/2001													
17														
18														
19														
20	State	Cost Element #	Cost Element Life (Mo)	Labor Expense Description (Limited to 25 characters)	JFC/ Payband	(For use w/ one NR)	First Installation Time (Hours)	First Disconnect Time (Hours)	Additional Installation Time (Hours)	Additional Disconnect Time (Hours)	Initial Installation Time (Hours)	Initial Disconnect Time (Hours)	Subsequent Installation Time (Hours)	Subsequent Disconnect Time (Hours)
21	TN	D.5.14	52	Service Inquiry	SDWC		2.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
22	TN	D.5.14	52	Service Inquiry	34XX		12.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
23	TN	D.5.14	52	Service Order	44XX		0.0600	0.0000	0.0600	0.0000	0.0000	0.0000		
24	TN	D.5.14	52	Service Order	4N4X		0.1118	0.0000	0.0000	0.0000	0.0000	0.0000		
25	TN	D.5.14	52	Service Order	4WXX		0.2500	0.0000	0.0500	0.0000	0.0000	0.0000		
26	TN	D.5.14	52	Service Order	430X		0.1333	0.0000	0.0833	0.0000	0.0000	0.0000		
27	TN	D.5.14	52	Engineering	32XX		2.0833	0.0000	2.0833	0.0000	0.0000	0.0000		
28	TN	D.5.14	52	Engineering	3A2X		0.0333	0.0000	0.0000	0.0000	0.0000	0.0000		
29	TN	D.5.14	52	Engineering	4N4X		1.6640	0.0000	1.6640	0.0000	0.0000	0.0000		
30	TN	D.5.14	52	Connect	431X		1.4920	0.0000	1.4920	0.0000	0.0000	0.0000		
31	TN	D.5.14	52	Connect	44XX		1.1400	0.0000	1.1400	0.0000	0.0000	0.0000		
32	TN	D.5.1498	52	Test	431X		2.2380	0.0000	2.2380	0.0000	0.0000	0.0000		
33	TN	D.5.1498	52	Test	44XX		1.1400	0.0000	1.1400	0.0000	0.0000	0.0000		
34	TN	D.5.14	52	Service Order	230X		0.0175	0.0000	0.0175	0.0000	0.0000	0.0000		
35	TN	D.5.15	52	Service Order	230X		1.1783	0.0000	1.1783	0.0000	0.0000	0.0000		
36	TN	D.5.1499	52	Service Order	44XX		0.0000	0.1800	0.0000	0.1800	0.0000	0.0000		
37	TN	D.5.1499	52	Service Order	4N4X		0.0000	0.0412	0.0000	0.0000	0.0000	0.0000		
38	TN	D.5.1499	52	Service Order	430X		0.0000	0.1166	0.0000	0.1166	0.0000	0.0000		
39	TN	D.5.1499	52	Engineering	3A2X		0.0000	0.0333	0.0000	0.0000	0.0000	0.0000		
40	TN	D.5.1499	52	Engineering	4N4X		0.0000	0.2626	0.0000	0.2626	0.0000	0.0000		
41	TN	D.5.1499	52	Connect	431X		0.0000	1.5966	0.0000	1.5966	0.0000	0.0000		
42	TN	D.5.1499	52	Connect	230X		0.0000	0.0175	0.0000	0.0175	0.0000	0.0000		
43	TN	D.5.1999	52	Service Order	230X		0.0000	0.5100	0.0000	0.5100	0.0000	0.0000		
44	END													

001456

	A	B	C	D	E	F	G	H
1	Tennessee							
2	NONRECURRING WORKTIMES							
3	Study Period: 2000-2002							
4								
5	Element #: D.5.13 & D.5.14							
6	Item/Description				First Install	First Disconnect	Additional Install	Additional Disconnect
7	Work Group	Description	JFC / JG / WS	Source	Time Hrs	Time Hrs	Time Hrs	Time Hrs
8								
9	COMPLEX RESALE SUPPORT GROUP (CRSG)	Service Inquiry	SDWC	NETWORK	2.0000	0.0000	0.0000	0.0000
10	NETWORK & ENGINEERING PLANNING (FG20)	Service Inquiry	34XX	NETWORK	12.0000	0.0000	0.0000	0.0000
11								
12	ACCESS CUSTOMER ADVOCATE CENTER (UNEC)	Service Order	4AXX	NETWORK	0.0600	0.1800	0.0600	0.1800
13	CIRCUIT PROVISIONING GROUP (CPG)	Service Order	4N4X	NETWORK	0.1118	0.0412	0.0000	0.0000
14	WORK MANAGEMENT CENTER	Service Order	4WXX	NETWORK	0.2500	0.0000	0.0500	0.0000
15	CO INSTALL & MTCE-SWITCH EQUIP	Service Order	430X	NETWORK	0.1333	0.1166	0.0833	0.1166
16								
17	OUTSIDE PLANT ENGINEERING (FG30)	Engineering	32XX	NETWORK	2.0833	0.0000	2.0833	0.0000
18	NETWORK PLANNING & ENGINEERING (PICS)	Engineering	3A2X	NETWORK	0.0333	0.0333	0.0000	0.0000
19	CIRCUIT PROVISIONING CENTER (CPG)	Engineering	4N4X	NETWORK	1.6640	0.2626	1.6640	0.2626
20								
21	CO INSTALL & MTCE CKT & FAC (INTEL)	Connect	431X	NETWORK	1.4920	1.5966	1.4920	1.5966
22	ACCESS CUSTOMER ADVOCATE CENTER (UNEC)	Connect	4AXX	NETWORK	1.1400	0.0000	1.1400	0.0000
23								
24	CO INSTALL & MTCE CKT & FAC (INTEL)	Test	431X	NETWORK	2.2380	0.0000	2.2380	0.0000
25	ACCESS CUSTOMER ADVOCATE CENTER (UNEC)	Test	4AXX	NETWORK	1.1400	0.0000	1.1400	0.0000
26								
27	CUSTOMER POINT OF CONTACT (LCSC) TOTAL TIME	Service Order	230X	NETWORK	1.1958	0.5275	1.1958	0.5275
28	WORK TIME ELECTRONIC INTERFACE	Service Order	230X	NETWORK	0.0175	0.0175	0.0175	0.0175
29	MANUAL ADDITIVE	Service Order	230X		1.1783	0.5100	1.1783	0.5100
30								
31	COST ELEMENT LIFE IN MONTHS			52				

001457

	A	B	C	D	E
1	Tennessee				
2	RECURRING INPUTS				
3	Study Period: 2000-2002				
4					
5	Element #: D.5.13 & D.5.14				
6	Item/Description			Source	Amount
7	Description	FRC	SubFRC	Source	Amount
8	Battery Back-up - OC-48 (CP)	357C	19	SONET Price Calculator	\$ 1,159.7826
9	Battery Back-up - OC-48 (CP)	357C	22	SONET Price Calculator	\$ 873.9130
10	C.O. Interface OC-12 on OC-48	357C	09	SONET Price Calculator	\$ 23,325.5000
11	C.O. Node - OC-48 Term	357C	03	SONET Price Calculator	\$ 24,852.8097
12	C.O. Node - OC-48 Term	357C	06	SONET Price Calculator	\$ 43,927.2013
13	C.P. Interface OC-12 on OC-48	357C	25	SONET Price Calculator	\$ 23,325.5000
14	C.P. Node - OC-48 Term	357C	19	SONET Price Calculator	\$ 24,852.8097
15	C.P. Node - OC-48 Term	357C	22	SONET Price Calculator	\$ 43,927.2013
16	Data Communications - OC-48	357C	15	SONET Price Calculator	\$ 478.8043
17	LGX - OC-48	357C	03	SONET Price Calculator	\$ 19.8370
18	LTIE - Fiber Only	357C	19	SONET Price Calculator	\$ 133.0000
19	Pigtail - OC-48	357C	03	SONET Price Calculator	\$ 16.3043
20	Pigtail - OC-48	357C	19	SONET Price Calculator	\$ 16.3043
21	Fiber Building Entrance Cable (LC) - OC-48	812C	00	SONET Price Calculator	\$ 203.0694
22	Aerial Fiber - Per Wgtd Fiber Mile - OC-48 (LC)	822C	00	SONET Price Calculator	\$ 21.6790
23	Buried Fiber - Per Wgtd Fiber Mile - OC-48 (LC)	845C	00	SONET Price Calculator	\$ 5.9457
24	UG Fiber - Per Wgtd Fiber Mile - OC-48 (LC)	85C	00	SONET Price Calculator	\$ 18.1116
25					
26	Route to Air Ratio (RTA)			Network	1.34
27					
28	Number of Strands per Ring				3

001458

	A	B	C	D	E
1	Tennessee				
2	OC-12 ELECTRONICS				
3	Study Period: 2000-2002				
4					
5	Element #: D.5.13 & D.5.14				
6	Item/Description				
7	Description	FRC	SubFRC	Source	Amount
8	CENTRAL OFFICE				
9					
10	C.O. Interface OC-12 on OC-48	357C	09	Input Sheet Line 10	\$ 23,325.5000
11					
12	C.O. Node - OC-48 Term	357C	03	Input Sheet Line 11	\$ 24,852.8097
13	C.O. Node - OC-48 Term	357C	06	Input Sheet Line 12	\$ 43,927.2013
14					
15	LGX - OC-48	357C	03	Input Sheet Line 17	\$ 19.8370
16	Pigtail - OC-48	357C	03	Input Sheet Line 19	\$ 16.3043
17					
18	Data Communications - OC-48	357C	15	Input Sheet Line 16	\$ 478.8043
19					
20	TOTAL			Sum Lines 10 Thru 18	\$ 92,620.4566
21					
22	POINT OF TERMINATION (CLEC)				
23					
24	C.P. Interface OC-12 on OC-48	357C	25	Input Sheet Line 13	\$ 23,325.5000
25					
26	Battery Back-up - OC-48 (CP)	357C	19	Input Sheet Line 8	\$ 1,159.7826
27	Battery Back-up - OC-48 (CP)	357C	22	Input Sheet Line 9	\$ 873.9130
28					
29	C.P. Node - OC-48 Term	357C	19	Input Sheet Line 14	\$ 24,852.8097
30	C.P. Node - OC-48 Term	357C	22	Input Sheet Line 15	\$ 43,927.2013
31					
32	LTIE - Fiber Only	357C	19	Input Sheet Line 18	\$ 133.0000
33					
34	Pigtail - OC-48	357C	19	Input Sheet Line 20	\$ 16.3043
35					
36	Fiber Building Entrance Cable (LC) - OC-48	812C	00	Input Sheet Line 21	\$ 203.0694
37					
38	TOTAL			Sum Lines 24 Thru 36	\$ 94,491.5803
39					
40					
41	SUMMARY BY FRC				
42					
43	Digitl Circ C.O. - Hardwired	357C	03	Sum Lines 12, 15, 16	\$ 24,888.9510
44	Digitl Circ C.O. - Com. Plug-in	357C	06	Lines 13	\$ 43,927.2013
45	Digitl Circ C.O. - Def. Plug-in	357C	09	Line 10	\$ 23,325.5000
46	Digitl Circ C.O. - Combined	357C	15	Line 18	\$ 478.8043
47	Digitl Circ Prem - Hardwired	357C	19	Sum Lines 26, 29, 32, 34	\$ 26,161.8966
48	Digitl Circ Prem - Com. Plug-in	357C	22	Lines 27, 30	\$ 44,801.1143
49	Digitl Circ Prem - Def. Plug-in	357C	25	Line 24	\$ 23,325.5000
50	Fiber Bldg. Entrance Cable	812C	00	Line 36	\$ 203.0694
51	TOTAL OC-12 LOCAL CHANNEL			Sum Lines 43 Thru 50	\$ 187,112.0369

001459

	A	B	C	D	E
1	Tennessee				
2	OC-12 TRANSPORT				
3	Study Period: 2000-2002				
4					
5	Element #: D.5.13 & D.5.14				
6	Item/Description				
7	Description	FRC	SubFRC	Source	Amount
8	MATERIAL PER MILE PER STRAND (ROUTE)				
9					
10	Aerial Fiber - Per Wgtd Fiber Mile - OC-48 (LC)	822C 00		Input Sheet Line 22	\$ 21.6790
11	Buried Fiber - Per Wgtd Fiber Mile - OC-48 (LC)	845C 00		Input Sheet Line 23	\$ 5.9457
12	UG Fiber - Per Wgtd Fiber Mile - OC-48 (LC)	85C 00		Input Sheet Line 24	\$ 18.1116
13					
14	Number of Strands per Ring			Input Sheet Line 28	3
15					
16	Route to Air Ratio (RTA)			Input Sheet Line 26	1.34
17					
18	WEIGHTED MATERIAL PER MILE PER STRAND (AIR)				
19					
20	Aerial Fiber - Per Wgtd Fiber Mile - OC-48 (LC)	822C 00		Line 10 * Line 14 * Line 16	\$ 87.1497
21	Buried Fiber - Per Wgtd Fiber Mile - OC-48 (LC)	845C 00		Line 11 * Line 14 * Line 16	\$ 23.9018
22	UG Fiber - Per Wgtd Fiber Mile - OC-48 (LC)	85C 00		Line 12 * Line 14 * Line 16	\$ 72.8086

001460

001461

A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA						
2							
3	Instructions:						
4	1. Use this worksheet to record material and/or investments to be input into the						
5	Calculator calculations.						
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
7	3. Input data, by Cost Element, leaving no blank lines. On next row						
8	after last line of data, type END in Cost Element Column.						
9	4. All data on this form should be cell-referenced to study workpapers.						
10	5. Do NOT change columns, headings, sheet name.						
11							
12							
13				Volume	Volume		
14	State	Cost	Sub	Sensitive	Insensitive		
15	TN	Element # D.5.19 357C	FRC 03	\$ Amount 49.8370	\$ Amount		
16	TN	D.5.17 357C	03	\$ 10,433.4000			
17	TN	D.5.17 357C	06	\$ 32,888.0000			
18	TN	D.5.19 357C	09	\$ 23,325.5000			
19	TN	D.5.17 357C	15	\$ 881.0000			
20	TN	D.5.17 357C	19	\$ 133.0000			
21	TN	D.5.17 812C	00	\$ 666.0676			
22	TN	D.5.16 822C	00	\$ 285.8510			
23	TN	D.5.16 845C	00	\$ 78.3980			
24	TN	D.5.16 85C	00	\$ 238.8122			
25	END						

001462

	A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - RECURRING EXPENSES DATA							
2								
3	Instructions:							
4	1. Use this worksheet to record recurring non-labor expenses to be input into the							
5	Calculator calculations.							
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).							
7	3. Input data, by Cost Element, leaving no blank lines. On next row							
8	after last line of data, type END in Cost Element Column.							
9	4. All data on this form should be cell-referenced to study workpapers.							
10	5. Do NOT change columns, headings, sheet name.							
11								
12								
13								
14								
15								
16								
17	State	Cost	Recurring	Recurring	Recurring			
18	Element #	Expense Description	(Limited to 25 characters)	Volume	Insensitive			
19				\$ Amount	\$ Amount			
20								
21								
22								
23								
24								
25								
26								
27								
28	Maximum 10 entries per Cost Element #							
29								
30								

001463

A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA						
2							
3	Instructions:						
4	1. Use this worksheet to record nonrecurring non-labor expenses to be input into the Calculator calculations.						
5	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
6	3. Input data, by Cost Element, leaving no blank lines. On next row						
7	after last line of data, type END in Cost Element Column.						
8	4. All data on this form should be cell-referenced to study workpapers.						
9	5. Do NOT change columns, headings, sheet name.						
10	6. Use column D when cost element has a single nonrecurring cost; use columns E & F for elements with a first						
11	and additional nonrecurring cost; use columns G & H for elements with an initial and subsequent nonrecurring cost.						
12							
13							
14							
15							
16	Cost	Nonrecurring	Nonrecurring	Nonrecurring	Nonrecurring	Nonrecurring	Nonrecurring
17	State	Expense Description	First	Additional	Initial	Subsequent	
18	Element #	(Limited to 25 characters)	\$ Amount	\$ Amount	\$ Amount	\$ Amount	\$ Amount
19	TN						
20	END						
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

001464

Maximum 10 entries per Cost Element #

	A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA							
2								
3	Instructions:							
4	1. Use this worksheet to record recurring expensed labor times to be input into the							
5	Calculator calculations.							
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).							
7	3. Input data, by Cost Element, leaving no blank lines. On next row							
8	after last line of data, type END in Cost Element Column.							
9	4. All data on this form should be cell-referenced to study workpapers.							
10	5. Do NOT change columns, headings, sheet name.							
11								
12								
13								
14		Cost	Labor Expense Description	JFC/	Work Time (Hours)			
15	State	Element #	(Limited to 25 characters)	Payband	Volume	Volume		
16	TN				Sensitive	Insensitive		
17	END							
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37	Maximum 20 entries per Cost Element #							
38								

001465

CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES															
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
Instructions:															
1. Use this worksheet to record nonrecurring labor times to be input into the Calculator calculations.															
2. All amounts shown are per unit (e.g., per call, per loop, per MOU).															
3. Input data by Cost Element, leaving no blank lines. On next row after last line of data, type END in Cost Element Column.															
4. All data on this form should be cell-referenced to study worksheets.															
5. Do NOT change columns, headings, sheet name.															
6. Use columns F & G when cost element has a single nonrecurring cost; use columns H, I, J, & K for elements with a first and additional nonrecurring cost; use columns L, M, N & O for elements with an initial and subsequent nonrecurring cost.															
7. Input Cost Element Life (in months) on first row of data for each cost element. It is not necessary to repeat on each line.															
Study Mid-Point Date (Mos.)															
Jun-01															
19	State	Cost Element #	Cost Element Life (Mo)	Labor Expense Description (Limited to 25 characters)	JFC Payband	(For use w/ one NR) Installation Time (Hours)	Disconnect Time (Hours)	First Installation Time (Hours)	First Disconnect Time (Hours)	Additional Installation Time (Hours)	Additional Disconnect Time (Hours)	Initial Installation Time (Hours)	Initial Disconnect Time (Hours)	Subsequent Installation Time (Hours)	Subsequent Disconnect Time (Hours)
20	TN	D.5.17	52	Service Inquiry	SDWC	2.0000	0.0000	2.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21	TN	D.5.17	52	Service Inquiry	34XX	12.0000	0.0000	12.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
22	TN	D.5.17	52	Service Order	44XX	0.0600	0.0000	0.0600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
23	TN	D.5.17	52	Service Order	4N4X	0.1118	0.0000	0.1118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
24	TN	D.5.17	52	Service Order	4WXX	0.2500	0.0000	0.2500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25	TN	D.5.17	52	Service Order	430X	0.1333	0.0000	0.1333	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
26	TN	D.5.17	52	Engineering	32XX	2.0833	0.0000	2.0833	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
27	TN	D.5.17	52	Engineering	342X	0.0333	0.0000	0.0333	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28	TN	D.5.17	52	Engineering	4N4X	1.6640	0.0000	1.6640	0.0000	1.6640	0.0000	0.0000	0.0000	0.0000	0.0000
29	TN	D.5.17	52	Connect	431X	1.4920	0.0000	1.4920	0.0000	0.9500	0.0000	0.0000	0.0000	0.0000	0.0000
30	TN	D.5.17	52	Connect	44XX	0.9500	0.0000	0.9500	0.0000	0.0175	0.0000	0.0000	0.0000	0.0000	0.0000
31	TN	D.5.17	52	Service Order	230X	0.0175	0.0000	0.0175	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
32	TN	D.5.17	52	Service Order	431X	1.1783	0.0000	1.1783	0.0000	2.2380	0.0000	0.0000	0.0000	0.0000	0.0000
33	TN	D.5.1798	52	Test	44XX	0.9500	0.0000	0.9500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
34	TN	D.5.1798	52	Service Order	44XX	0.0600	0.0000	0.0600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35	TN	D.5.19	52	Service Order	4N4X	0.1118	0.0000	0.1118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
36	TN	D.5.19	52	Service Order	4WXX	0.2500	0.0000	0.2500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
37	TN	D.5.19	52	Service Order	430X	0.1333	0.0000	0.1333	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
38	TN	D.5.19	52	Engineering	34XX	4.0000	0.0000	4.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
39	TN	D.5.19	52	Engineering	342X	0.0333	0.0000	0.0333	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40	TN	D.5.19	52	Engineering	4N4X	1.6640	0.0000	1.6640	0.0000	1.6640	0.0000	0.0000	0.0000	0.0000	0.0000
41	TN	D.5.19	52	Connect	431X	1.4920	0.0000	1.4920	0.0000	0.9500	0.0000	0.0000	0.0000	0.0000	0.0000
42	TN	D.5.19	52	Connect	44XX	0.9500	0.0000	0.9500	0.0000	0.0175	0.0000	0.0000	0.0000	0.0000	0.0000
43	TN	D.5.19	52	Service Order	230X	0.0175	0.0000	0.0175	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
44	TN	D.5.19	52	Service Order	431X	1.1783	0.0000	1.1783	0.0000	2.2380	0.0000	0.0000	0.0000	0.0000	0.0000
45	TN	D.5.19	52	Service Order	44XX	0.9500	0.0000	0.9500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
46	TN	D.5.20	52	Service Order	431X	2.2380	0.0000	2.2380	0.0000	0.9500	0.0000	0.0000	0.0000	0.0000	0.0000
47	TN	D.5.1998	52	Test	44XX	0.9500	0.0000	0.9500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
48	TN	D.5.1998	52	Service Order	4N4X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
49	TN	D.5.1799	52	Service Order	430X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
50	TN	D.5.1799	52	Service Order	342X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
51	TN	D.5.1799	52	Service Order	4N4X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
52	TN	D.5.1799	52	Engineering	430X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
53	TN	D.5.1799	52	Engineering	342X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
54	TN	D.5.1799	52	Connect	4N4X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
55	TN	D.5.1799	52	Connect	230X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
56	TN	D.5.1899	52	Service Order	230X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
57	TN	D.5.1999	52	Service Order	44XX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
58	TN	D.5.1999	52	Service Order	4N4X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
59	TN	D.5.1999	52	Service Order	430X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
60	TN	D.5.1999	52	Engineering	342X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
61	TN	D.5.1999	52	Engineering	4N4X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
62	TN	D.5.1999	52	Connect	431X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
63	TN	D.5.1999	52	Connect	230X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
64	TN	D.5.2099	52	Service Order	230X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
65	END														
66	Maximum of 25 entries per Cost Element #														
67															

001466

	A	B	C	D	E	F	G	H
1	Tennessee							
2	NONRECURRING WORKTIMES							
3	Study Period: 2000-2002							
4								
5	Element #: D.5.16, D.5.17 & D.5.19							
6	Item/Description				First	First	Additional	Additional
7	Work Group	Description	JFC / JG / WS	Source	Install	Disconnect	Install	Disconnect
8					Time Hrs	Time Hrs	Time Hrs	Time Hrs
9	COMPLEX RESALE SUPPORT GROUP (CRSG)	Service Inquiry	SDWC	NETWORK	2.0000	0.0000	0.0000	0.0000
10	NETWORK & ENGINEERING PLANNING (FG20)	Service Inquiry	34XX	NETWORK	12.0000	0.0000	0.0000	0.0000
11								
12	ACCESS CUSTOMER ADVOCATE CENTER (UNEC)	Service Order	4AXX	NETWORK	0.0600	0.1800	0.0600	0.1800
13	CIRCUIT PROVISIONING GROUP (CPG)	Service Order	4N4X	NETWORK	0.1118	0.0412	0.0000	0.0000
14	WORK MANAGEMENT CENTER	Service Order	4WXX	NETWORK	0.2500	0.0000	0.0500	0.0000
15	CO INSTALL & MTCE-SWITCH EQUIP	Service Order	430X	NETWORK	0.1333	0.1166	0.0833	0.1166
16								
17	OUTSIDE PLANT ENGINEERING (FG30)	Engineering	32XX	NETWORK	2.0833	0.0000	2.0833	0.0000
18	NETWORK PLANNING & ENGINEERING (PICS)	Engineering	3A2X	NETWORK	0.0333	0.0333	0.0000	0.0000
19	CIRCUIT PROVISIONING CENTER (CPG)	Engineering	4N4X	NETWORK	1.6640	0.2626	1.6640	0.2626
20								
21	CO INSTALL & MTCE CKT & FAC (INTEL)	Connect	431X	NETWORK	1.4920	1.5966	1.4920	1.5966
22	ACCESS CUSTOMER ADVOCATE CENTER (UNEC)	Connect	4AXX	NETWORK	0.9500	0.0000	0.9500	0.0000
23								
24	CUSTOMER POINT OF CONTACT (LCSC) TOTAL TIME	Service Order	230X	NETWORK	1.1958	0.5275	1.1958	0.5275
25	WORK TIME ELECTRONIC INTERFACE	Service Order	230X	NETWORK	0.0175	0.0175	0.0175	0.0175
26	MANUAL ADDITIVE	Service Order	230X		1.1783	0.5100	1.1783	0.5100
27								
28	CO INSTALL & MTCE CKT & FAC (INTEL)	Test	431X	NETWORK	2.2380	0.0000	2.2380	0.0000
29	ACCESS CUSTOMER ADVOCATE CENTER (UNEC)	Test	4AXX	NETWORK	0.9500	0.0000	0.9500	0.0000
30								
31	FEATURE ACTIVATION							
32	ACCESS CUSTOMER ADVOCATE CENTER (ACAC)	Service Order	4AXX	NETWORK	0.0600	0.1800	0.0600	0.1800
33	CIRCUIT PROVISIONING GROUP (CPG)	Service Order	4N4X	NETWORK	0.1118	0.0412	0.0000	0.0000
34	WORK MANAGEMENT CENTER	Service Order	4WXX	NETWORK	0.2500	0.0000	0.0500	0.0000
35	CO INSTALL & MTCE-SWITCH EQUIP	Service Order	430X	NETWORK	0.1333	0.1166	0.0833	0.1166
36								
37	NETWORK & ENGINEERING PLANNING (FG20)	Engineering	34XX	NETWORK	4.0000	0.0000	0.0000	0.0000
38	NETWORK PLANNING & ENGINEERING (PICS)	Engineering	3A2X	NETWORK	0.0333	0.0333	0.0000	0.0000
39	CIRCUIT PROVISIONING CENTER (CPG)	Engineering	4N4X	NETWORK	1.6640	0.2626	1.6640	0.2626
40								
41	CO INSTALL & MTCE CKT & FAC (INTEL)	Connect	431X	NETWORK	1.4920	1.5966	1.4920	1.5966
42	ACCESS CUSTOMER ADVOCATE CENTER (ACAC)	Connect	4AXX	NETWORK	0.9500	0.0000	0.9500	0.0000
43								
44	CUSTOMER POINT OF CONTACT (LCSC) TOTAL TIME	Service Order	230X	NETWORK	1.1958	0.5275	1.1958	0.5275
45	WORK TIME ELECTRONIC INTERFACE	Service Order	230X	NETWORK	0.0175	0.0175	0.0175	0.0175
46	MANUAL ADDITIVE	Service Order	230X		1.1783	0.5100	1.1783	0.5100
47								
48	CO INSTALL & MTCE CKT & FAC (INTEL)	Test	431X	NETWORK	2.2380	0.0000	2.2380	0.0000
49	ACCESS CUSTOMER ADVOCATE CENTER (UNEC)	Test	4AXX	NETWORK	0.9500	0.0000	0.9500	0.0000
50								
51	COST ELEMENT LIFE IN MONTHS			52				

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	A	B	C	D	E
1	Tennessee				
2	RECURRING INPUTS				
3	Study Period: 2000-2002				
4					
5	Element #: D.5.16, D.5.17 & D.5.19				
6	Item/Description				
7	Description	FRC	SubFRC	Source	Amount
8	C.O. Interface OC-12 on OC-48	357C	09	SONET Price Calculator	\$ 23,325.5000
9	C.O. Node - OC-48 BLSR	357C	03	SONET Price Calculator	\$ 10,433.4000
10	C.O. Node - OC-48 BLSR	357C	06	SONET Price Calculator	\$ 32,888.0000
11	Data Communications - OC-48	357C	15	SONET Price Calculator	\$ 881.0000
12	LGX - OC-48	357C	03	SONET Price Calculator	\$ 19.8370
13	LTIE - Fiber Only	357C	19	SONET Price Calculator	\$ 133.0000
14	Pigtail - OC-48	357C	03	SONET Price Calculator	\$ 30.0000
15	Fiber Building Entrance Cable (LC) - OC-48	812C	00	SONET Price Calculator	\$ 666.0676
16	Aerial Fiber - Per Wgtd Fiber Mile - OC-48 (LC)	822C	00	SONET Price Calculator	\$ 71.1072
17	Buried Fiber - Per Wgtd Fiber Mile - OC-48 (LC)	845C	00	SONET Price Calculator	\$ 19.5020
18	UG Fiber - Per Wgtd Fiber Mile - OC-48 (LC)	85C	00	SONET Price Calculator	\$ 59.4060
19					
20	Route to Air Ratio (RTA)	Network			1.34
21					
22	Number of Strands per Ring				

3

001468

	A	B	C	D	E
1	Tennessee				
2	OC-48 ELECTRONICS				
3	Study Period: 2000-2002				
4					
5	Element #: D.5.16, D.5.17 & D.5.19				
6	Item/Description				
7	Description	FRC	SubFRC	Source	Amount
8	CENTRAL OFFICE				
9					
10	C.O. Interface OC-12 on OC-48	357C	09	Input Sheet Line 8	\$ 23,325.5000
11					
12	C.O. Node - OC-48 BLSR	357C	03	Input Sheet Line 9	\$ 10,433.4000
13	C.O. Node - OC-48 BLSR	357C	06	Input Sheet Line 10	\$ 32,888.0000
14					
15	LGX - OC-48	357C	03	Input Sheet Line 12	\$ 19.8370
16	Pigtail - OC-48	357C	03	Input Sheet Line 14	\$ 30.0000
17					
18	Data Communications - OC-48	357C	15	Input Sheet Line 11	\$ 881.0000
19					
20	TOTAL			Sum Lines 10 Thru 18	\$ 67,577.7370
21					
22	POINT OF TERMINATION (CLEC)				
23					
24	LTIE - Fiber Only	357C	19	Input Sheet Line 13	\$ 133.0000
25					
26	Fiber Building Entrance Cable (LC) - OC-48	812C	00	Input Sheet Line 15	\$ 666.0676
27					
28	TOTAL			Sum Lines 24 Thru 26	\$ 799.0676
29					
30					
31	SUMMARY BY FRC				
32					
33	Digitl Circ C.O. - Interface	357C	03	Sum Lines 15, 16	\$ 49.8370
34	Digitl Circ C.O. - Hardwired	357C	03	Lines 12	\$ 10,433.4000
35	Digitl Circ C.O. - Com. Plug-in	357C	06	Lines 13	\$ 32,888.0000
36	Digitl Circ C.O. - Def. Plug-in	357C	09	Line 10	\$ 23,325.5000
37	Digitl Circ C.O. - Combined	357C	15	Line 18	\$ 881.0000
38	Digitl Circ Prem - Hardwired	357C	19	Line 24	\$ 133.0000
39	Fiber Bldg. Entrance Cable	812C	00	Line 26	\$ 666.0676
40	TOTAL OC-48 LOCAL CHANNEL			Sum Lines 33 Thru 39	\$ 68,376.8045

001469

	A	B	C	D	E
1	Tennessee				
2	OC-48 TRANSPORT				
3	Study Period: 2000-2002				
4					
5	Element #: D.5.16, D.5.17 & D.5.19				
6	Item/Description				
7	Description	FRC	SubFRC	Source	Amount
8	MATERIAL PER MILE PER STRAND (ROUTE)				
9					
10	Aerial Fiber - Per Wgtd Fiber Mile - OC-48 (LC)	822C 00		Input Sheet Line 16	\$ 71.1072
11	Buried Fiber - Per Wgtd Fiber Mile - OC-48 (LC)	845C 00		Input Sheet Line 17	\$ 19.5020
12	UG Fiber - Per Wgtd Fiber Mile - OC-48 (LC)	85C 00		Input Sheet Line 18	\$ 59.4060
13					
14	Number of Strands per Ring			Input Sheet Line 22	3
15					
16	Route to Air Ratio (RTA)			Input Sheet Line 20	1.34
17					
18	WEIGHTED MATERIAL PER MILE PER STRAND (AIR)				
19					
20	Aerial Fiber - Per Wgtd Fiber Mile - OC-48 (LC)	822C 00		Line 10 * Line 14 * Line 16	\$ 285.8510
21	Buried Fiber - Per Wgtd Fiber Mile - OC-48 (LC)	845C 00		Line 11 * Line 14 * Line 16	\$ 78.3980
22	UG Fiber - Per Wgtd Fiber Mile - OC-48 (LC)	85C 00		Line 12 * Line 14 * Line 16	\$ 238.8122

001470

	A	B	C	D	E	F	G	H	I	J	K
1	Tennessee										
2	Index Sheet										
3	Study Period: 2000-2002										
4											
5	Element #: D.5.21 & D.5.23										
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
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20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											

Sheet Name:

Index
Investments
Additives_Recurring
Additives_Nonrecurring
Recurring Labor
Nonrecurring Labor
Input Nonrecurring
Input Recurring
WP300
WP311
WP312
WP321
WP322
WP331
WP332

Description:

STS-1 LOCAL CHANNEL
CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA
CALCULATOR INPUT FORM - RECURRING EXPENSES DATA
CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA
CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA
CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES
NONRECURRING WORKTIMES
RECURRING INPUTS
SUMMARY
OC-3 ELECTRONICS
OC-3 TRANSPORT
OC-12 ELECTRONICS
OC-12 TRANSPORT
OC-48 ELECTRONICS
OC-48 TRANSPORT

001471

A	B	C	D	E	F	G	H	I	J
CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA									
1	Instructions:								
2	1. Use this worksheet to record material and/or investments to be input into the								
3	Calculator calculations.								
4	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).								
5	3. Input data, by Cost Element, leaving no blank lines. On next row								
6	after last line of data, type END in Cost Element Column.								
7	4. All data on this form should be cell-referenced to study workpapers.								
8	5. Do NOT change columns, headings, sheet name.								
9									
10									
11									
12									
13									
14	<u>State</u>	<u>Cost</u>	<u>FRC</u>	<u>Sub</u>	<u>FRC</u>	<u>Volume Sensitive \$ Amount</u>	<u>Volume Insensitive \$ Amount</u>		
15	TN	D.5.21	357C	03		\$ 842.6546			
16	TN	D.5.21	357C	06		\$ 4,991.3094			
17	TN	D.5.21	357C	09		\$ 1,668.6099			
18	TN	D.5.21	357C	15		\$ 406.2627			
19	TN	D.5.21	357C	19		\$ 1,826.7234			
20	TN	D.5.21	357C	22		\$ 5,732.8196			
21	TN	D.5.21	357C	25		\$ 1,660.0775			
22	TN	D.5.21	812C	00		\$ 169.2245			
23	TN	D.5.23	822C	00		\$ 72.6247			
24	TN	D.5.23	845C	00		\$ 19.9182			
25	TN	D.5.23	85C	00		\$ 60.6738			
26	END								

001472

A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - RECURRING EXPENSES DATA						
2	Instructions:						
3	1. Use this worksheet to record recurring non-labor expenses to be input into the						
4	Calculator calculations.						
5	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
6	3. Input data, by Cost Element, leaving no blank lines. On next row						
7	after last line of data, type END in Cost Element Column.						
8	4. All data on this form should be cell-referenced to study workpapers.						
9	5. Do NOT change columns, headings, sheet name.						
10							
11							
12							
13							
14							
15							
16							
17	State	Cost	Recurring	Recurring			
18	Element #	Expense Description	Volume	Volume			
19		(Limited to 25 characters)	Sensitive	Insensitive			
20			\$ Amount	\$ Amount			
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Maximum 10 entries per Cost Element #

001473

STS-1 LOCAL CHANNEL

BellSouth Telecommunications, Inc.

A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA						
2	Instructions:						
3	1. Use this worksheet to record recurring expensed labor times to be input into the						
4	Calculator calculations.						
5	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
6	3. Input data, by Cost Element, leaving no blank lines. On next row						
7	after last line of data, type END in Cost Element Column.						
8	4. All data on this form should be cell-referenced to study workpapers.						
9	5. Do NOT change columns, headings, sheet name.						
10							
11							
12							
13							
14							
15	<u>State</u>	<u>Cost</u>	<u>Labor Expense Description</u>	<u>JFC/</u>	<u>Work Time (Hours)</u>	<u>Volume</u>	<u>Volume</u>
16	TN	<u>Element #</u>	<u>(Limited to 25 characters)</u>	<u>Payband</u>	<u>Sensitive</u>	<u>Insensitive</u>	
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
			Maximum 20 entries per Cost Element #				

001474

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES														
Instructions:														
1. Use this worksheet to record nonrecurring labor times to be input into the Calculator calculations.														
2. All amounts shown are per unit (e.g., per call, per loop, per MOU).														
3. Input data by Cost Element, leaving no blank lines. On next row after last line of data, type END in Cost Element Column.														
4. All data on this form should be cell-referenced to study worksheets.														
5. Do NOT change columns, headings, sheet name.														
6. Use columns F & G when cost element has a single nonrecurring cost; use columns H, I, J, & K for elements with a first and additional nonrecurring cost; use columns L, M, N & O for elements with an initial and subsequent nonrecurring cost.														
7. Input Cost Element Life (in months) on first row of data for each cost element. It is not necessary to repeat on each line.														
Study Mid-Point Date (Mos.)														
15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
6/1/2001														
30	31	32	33	34	35	36	37	38	39	40	41	42	43	44
45	46	47	48	49	50	51	52	Maximum of 25 entries per Cost Element #						
Cost Element Life (Mos.)														
Cost Element #	State	Cost Element Life (Mos.)	Labor Expense Description (Limited to 25 characters)	JFC/ Payband	Installation Time (Hours)	(For use w/ one NR) Disconnect Time (Hours)	First Installation Time (Hours)	First Disconnect Time (Hours)	Additional Installation Time (Hours)	Additional Disconnect Time (Hours)	Initial Installation Time (Hours)	Initial Disconnect Time (Hours)	Subsequent Installation Time (Hours)	Subsequent Disconnect Time (Hours)
0.521	TN	52	Service Inquiry	SDWC	2.0000		2.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.521	TN	52	Service Inquiry	34XX	2.2500		2.2500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.521	TN	52	Service Order	4AXX	0.0600		0.0600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.521	TN	52	Service Order	4NXX	0.1118		0.1118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.521	TN	52	Service Order	4WXX	0.2500		0.2500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.521	TN	52	Service Order	430X	0.1333		0.1333	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.521	TN	52	Engineering	32XX	2.0833		2.0833	0.0000	2.0833	0.0000	0.0000	0.0000	0.0000	0.0000
0.521	TN	52	Engineering	3A2X	0.0333		0.0333	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.521	TN	52	Engineering	4NXX	1.6640		1.6640	0.0000	1.6640	0.0000	0.0000	0.0000	0.0000	0.0000
0.521	TN	52	Connect	431X	1.4920		1.4920	0.0000	1.4920	0.0000	0.0000	0.0000	0.0000	0.0000
0.521	TN	52	Connect	44XX	0.7600		0.7600	0.0000	0.7600	0.0000	0.0000	0.0000	0.0000	0.0000
0.521	TN	52	Service Order	411X	0.2500		0.2500	0.0000	0.1667	0.0000	0.0000	0.0000	0.0000	0.0000
0.521	TN	52	Connect	411X	0.3000		0.3000	0.0000	0.9200	0.0000	0.0000	0.0000	0.0000	0.0000
0.521	TN	52	Travel	411X	0.0175		0.0175	0.0000	0.0175	0.0000	0.0000	0.0000	0.0000	0.0000
0.521	TN	52	Service Order	230X	1.1783		1.1783	0.0000	1.1783	0.0000	0.0000	0.0000	0.0000	0.0000
0.521	TN	52	Service Order	44XX	0.0000		0.0000	0.1800	0.0000	0.1800	0.0000	0.0000	0.0000	0.0000
0.521	TN	52	Service Order	4NXX	0.0412		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.521	TN	52	Service Order	430X	0.1166		0.0000	0.1166	0.0000	0.0000	0.1166	0.0000	0.0000	0.0000
0.521	TN	52	Engineering	3A2X	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.521	TN	52	Engineering	4NXX	0.2626		0.0000	0.2626	0.0000	0.0000	0.2626	0.0000	0.0000	0.0000
0.521	TN	52	Connect	431X	1.5966		0.0000	1.5966	0.0000	0.0000	1.5966	0.0000	0.0000	0.0000
0.521	TN	52	Service Order	411X	0.0000		0.0000	0.1667	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.521	TN	52	Connect	411X	0.0000		0.0000	1.5000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.521	TN	52	Travel	411X	0.0000		0.0000	0.3000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.521	TN	52	Service Order	230X	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.521	TN	52	Service Order	431X	2.2380		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.521	TN	52	Test	44XX	0.9500		0.9500	0.0000	0.0000	0.9500	0.0000	0.0000	0.0000	0.0000
0.521	TN	52	Test	411X	2.7600		2.7600	0.0000	1.3800	0.0000	0.0000	0.0000	0.0000	0.0000
END														

001476

	A	B	C	D	E	F	G	H
1	Tennessee							
2	NONRECURRING WORKTIMES							
3	Study Period: 2000-2002							
4								
5	Element #: D.5.21 & D.5.23				First	First	Additional	Additional
6	Item/Description				Install	Disconnect	Install	Disconnect
7	Work Group	Description	JFC / JG / WS	Source	Time Hrs	Time Hrs	Time Hrs	Time Hrs
8								
9	COMPLEX RESALE SUPPORT GROUP (CRSG)	Service Inquiry	SDWC	NETWORK	2.0000	0.0000	0.0000	0.0000
10	NETWORK & ENGINEERING PLANNING (FG20)	Service Inquiry	34XX	NETWORK	2.2500	0.0000	0.0000	0.0000
11								
12	ACCESS CUSTOMER ADVOCATE CENTER (UNEC)	Service Order	4AXX	NETWORK	0.0600	0.1800	0.0600	0.1800
13	CIRCUIT PROVISIONING GROUP (CPG)	Service Order	4N4X	NETWORK	0.1118	0.0412	0.0000	0.0000
14	WORK MANAGEMENT CENTER	Service Order	4WXX	NETWORK	0.2500	0.0000	0.0500	0.0000
15	CO INSTALL & MTCE-SWITCH EQUIP	Service Order	430X	NETWORK	0.1333	0.1166	0.0833	0.1166
16								
17	OUTSIDE PLANT ENGINEERING (FG30)	Engineering	32XX	NETWORK	2.0833	0.0000	2.0833	0.0000
18	NETWORK PLANNING & ENGINEERING (PICS)	Engineering	3A2X	NETWORK	0.0333	0.0333	0.0000	0.0000
19	CIRCUIT PROVISIONING CENTER (CPG)	Engineering	4N4X	NETWORK	1.6640	0.2626	1.6640	0.2626
20								
21	CO INSTALL & MTCE CKT & FAC (INTEL)	Connect	431X	NETWORK	1.4920	1.5966	1.4920	1.5966
22	ACCESS CUSTOMER ADVOCATE CENTER (UNEC)	Connect	4AXX	NETWORK	0.7600	0.0000	0.7600	0.0000
23								
24	INSTALL & MTCE-SPEC SVCS (SSIM)	Service Order	411X	NETWORK	0.2500	0.1667	0.1667	0.0833
25	INSTALL & MTCE-SPEC SVCS (SSIM)	Connect	411X	NETWORK	1.8400	1.5000	0.9200	0.7500
26	INSTALL & MTCE-SPEC SVCS (SSIM)	Travel	411X	NETWORK	0.3000	0.3000	0.0000	0.0000
27								
28	CUSTOMER POINT OF CONTACT (LCSC) TOTAL TIME	Service Order	230X	NETWORK	1.1958	0.5275	1.1958	0.5275
29	WORK TIME ELECTRONIC INTERFACE	Service Order	230X	NETWORK	0.0175	0.0175	0.0175	0.0175
30	MANUAL ADDITIVE	Service Order	230X		1.1783	0.5100	1.1783	0.5100
31								
32	CO INSTALL & MTCE CKT & FAC (INTEL)	Test	431X	NETWORK	2.2380	0.0000	2.2380	0.0000
33	ACCESS CUSTOMER ADVOCATE CENTER (UNEC)	Test	4AXX	NETWORK	0.9500	0.0000	0.9500	0.0000
34								
35								
36	INSTALL & MTCE-SPEC SVCS (SSIM)	Test	411X	NETWORK	2.7600	0.0000	1.3800	0.0000
37								
38	COST ELEMENT LIFE IN MONTHS				52			

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	A	B	C	D	E
1	Tennessee				
2	RECURRING INPUTS				
3	Study Period: 2000-2002				
4					
5	Element #: D.5.21 & D.5.23				
6	Item/Description				
7	Description	FRC	SubFRC	Source	Amount
8	Battery Back-up - OC- 3 (CP)	357C	19	SONET Price Calculator	\$ 1,613.0008
9	Battery Back-up - OC- 3 (CP)	357C	22	SONET Price Calculator	\$ 1,215.4195
10	Battery Back-up - OC-12 (CP)	357C	19	SONET Price Calculator	\$ 310.3549
11	Battery Back-up - OC-12 (CP)	357C	22	SONET Price Calculator	\$ 233.8569
12	Battery Back-up - OC-48 (CP)	357C	19	SONET Price Calculator	\$ 96.6486
13	Battery Back-up - OC-48 (CP)	357C	22	SONET Price Calculator	\$ 72.8261
14	C.O. Interface STS-1 on OC- 3	357C	03	SONET Price Calculator	\$ 200.9765
15	C.O. Interface STS-1 on OC- 3	357C	09	SONET Price Calculator	\$ 1,971.2000
16	C.O. Interface STS-1 on OC-12	357C	03	SONET Price Calculator	\$ 200.9765
17	C.O. Interface STS-1 on OC-12	357C	09	SONET Price Calculator	\$ 1,636.1194
18	C.O. Interface STS-1 on OC-48 - Mux & Protect	357C	06	SONET Price Calculator	\$ 334.8279
19	C.O. Interface STS-1 on OC-48 - Working	357C	03	SONET Price Calculator	\$ 200.9765
20	C.O. Interface STS-1 on OC-48 - Working	357C	09	SONET Price Calculator	\$ 877.1000
21	C.O. Node - OC- 3	357C	03	SONET Price Calculator	\$ 274.1497
22	C.O. Node - OC- 3	357C	06	SONET Price Calculator	\$ 6,360.5442
23	C.O. Node - OC-12	357C	03	SONET Price Calculator	\$ 223.6475
24	C.O. Node - OC-12	357C	06	SONET Price Calculator	\$ 2,775.6981
25	C.O. Node - OC-48 Term	357C	03	SONET Price Calculator	\$ 2,174.9197
26	C.O. Node - OC-48 Term	357C	06	SONET Price Calculator	\$ 3,660.6001
27	C.P. Interface STS-1 on OC- 3	357C	19	SONET Price Calculator	\$ 200.9765
28	C.P. Interface STS-1 on OC- 3	357C	25	SONET Price Calculator	\$ 1,971.2000
29	C.P. Interface STS-1 on OC-12	357C	19	SONET Price Calculator	\$ 200.9765
30	C.P. Interface STS-1 on OC-12	357C	25	SONET Price Calculator	\$ 1,601.9900
31	C.P. Interface STS-1 on OC-48 - Mux & Protect	357C	22	SONET Price Calculator	\$ 334.8279
32	C.P. Interface STS-1 on OC-48 - Working	357C	19	SONET Price Calculator	\$ 200.9765
33	C.P. Interface STS-1 on OC-48 - Working	357C	25	SONET Price Calculator	\$ 877.1000
34	C.P. Node - OC- 3	357C	19	SONET Price Calculator	\$ 274.1497
35	C.P. Node - OC- 3	357C	22	SONET Price Calculator	\$ 6,360.5442
36	C.P. Node - OC-12	357C	19	SONET Price Calculator	\$ 223.6475
37	C.P. Node - OC-12	357C	22	SONET Price Calculator	\$ 2,775.6981
38	C.P. Node - OC-48 Term	357C	19	SONET Price Calculator	\$ 2,174.9197
39	C.P. Node - OC-48 Term	357C	22	SONET Price Calculator	\$ 3,660.6001
40	Data Communications - OC- 3	357C	15	SONET Price Calculator	\$ 665.9108
41	Data Communications - OC-12	357C	15	SONET Price Calculator	\$ 128.1268
42	Data Communications - OC-48	357C	15	SONET Price Calculator	\$ 39.9004
43	Fiber Building Entrance Cable (LC) - OC- 3	812C	00	SONET Price Calculator	\$ 270.7592
44	Fiber Building Entrance Cable (LC) - OC-12	812C	00	SONET Price Calculator	\$ 67.6898
45	Fiber Building Entrance Cable (LC) - OC-48	812C	00	SONET Price Calculator	\$ 16.9224
46	Aerial Fiber - Per Wgtd Fiber Mile - OC- 3 (LC)	822C	00	SONET Price Calculator	\$ 28.9054
47	Aerial Fiber - Per Wgtd Fiber Mile - OC-12 (LC)	822C	00	SONET Price Calculator	\$ 7.2263
48	Aerial Fiber - Per Wgtd Fiber Mile - OC-48 (LC)	822C	00	SONET Price Calculator	\$ 1.8066
49	Buried Fiber - Per Wgtd Fiber Mile - OC- 3 (LC)	845C	00	SONET Price Calculator	\$ 7.9276
50	Buried Fiber - Per Wgtd Fiber Mile - OC-12 (LC)	845C	00	SONET Price Calculator	\$ 1.9819
51	Buried Fiber - Per Wgtd Fiber Mile - OC-48 (LC)	845C	00	SONET Price Calculator	\$ 0.4955
52	UG Fiber - Per Wgtd Fiber Mile - OC- 3 (LC)	85C	00	SONET Price Calculator	\$ 24.1488
53	UG Fiber - Per Wgtd Fiber Mile - OC-12 (LC)	85C	00	SONET Price Calculator	\$ 6.0372
54	UG Fiber - Per Wgtd Fiber Mile - OC-48 (LC)	85C	00	SONET Price Calculator	\$ 1.5093
55					
56					
57	Route to Air Ratio (RTA)			Network	1.34
58					
59	Number of Strands per Ring				3
60	Probability of Occurrence OC-3			Network	55%
61	Probability of Occurrence OC-12			Network	25%
62	Probability of Occurrence OC-48			Network	20%

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	A	B	C	D	E	F	G
1	Tennessee						
2	SUMMARY						
3	Study Period: 2000-2002						
4							
5	Element #: D.5.21 & D.5.23						
6	ELECTRONIC MATERIAL						
7							
8			0C-3	0C-12	0C-48		
9	FRC	SubFRC	WP311	WP321	WP331	TOTAL	SOURCE
10	357C	03	\$ 261.3194	\$ 106.1560	\$ 475.1792	\$ 842.6546	Line 54
11	357C	06	\$3,498.2993	\$ 693.9245	\$ 799.0856	\$4,991.3094	Line 55
12	357C	09	\$1,084.1600	\$409.0299	\$ 175.4200	\$1,668.6099	Line 56
13	357C	15	\$ 366.2509	\$ 32.0317	\$ 7.9801	\$ 406.2627	Line 57
14	357C	19	\$1,148.4698	\$183.7447	\$ 494.5089	\$1,826.7234	Line 58
15	357C	22	\$4,166.7800	\$752.3887	\$ 813.6508	\$5,732.8196	Line 59
16	357C	25	\$1,084.1600	\$400.4975	\$ 175.4200	\$1,660.0775	Line 60
17	812C	00	\$ 148.9175	\$ 16.9224	\$ 3.3845	\$ 169.2245	Line 61
18							
19							
20	TRANSPORT MATERIAL						
21							
22			0C-3	0C-12	0C-48		
23	FRC	SubFRC	WP312	WP322	WP332	TOTAL	SOURCE
24	822C	00	\$ 63.9098	\$ 7.2625	\$ 1.4525	\$ 72.6247	Line 23
25	845C	00	\$ 17.5280	\$ 1.9918	\$ 0.3984	\$ 19.9182	Line 24
26	85C	00	\$ 53.3930	\$ 6.0674	\$ 1.2135	\$ 60.6738	Line 25

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	A	B	C	D	E
1	Tennessee				
2	OC-3 ELECTRONICS				
3	Study Period: 2000-2002				
4					
5	Element #: D.5.21 & D.5.23				
6	Item/Description				
7	Description	FRC	SubFRC	Source	Amount
8	CENTRAL OFFICE				
9					
10	C.O. Interface STS-1 on OC- 3	357C 03		Input Sheet Line 14	\$ 200.9765
11	C.O. Interface STS-1 on OC- 3	357C 09		Input Sheet Line 15	\$ 1,971.2000
12					
13	C.O. Node - OC- 3	357C 03		Input Sheet Line 21	\$ 274.1497
14	C.O. Node - OC- 3	357C 06		Input Sheet Line 22	\$ 6,360.5442
15					
16	Data Communications - OC- 3	357C 15		Input Sheet Line 40	\$ 665.9108
17					
18	TOTAL			Sum Lines 10 Thru 16	\$ 9,472.7812
19					
20	POINT OF TERMINATION (CLEC)				
21					
22	C.P. Interface STS-1 on OC- 3	357C 19		Input Sheet Line 27	\$ 200.9765
23	C.P. Interface STS-1 on OC- 3	357C 25		Input Sheet Line 28	\$ 1,971.2000
24					
25	C.P. Node - OC- 3	357C 19		Input Sheet Line 34	\$ 274.1497
26	C.P. Node - OC- 3	357C 22		Input Sheet Line 35	\$ 6,360.5442
27					
28	Battery Back-up - OC- 3 (CP)	357C 19		Input Sheet Line 8	\$ 1,613.0008
29	Battery Back-up - OC- 3 (CP)	357C 22		Input Sheet Line 9	\$ 1,215.4195
30					
31	Fiber Building Entrance Cable (LC) - OC- 3	812C 00		Input Sheet Line 43	\$ 270.7592
32					
33	TOTAL			Sum Lines 22 Thru 31	\$ 11,906.0498
34					
35					
36	SUMMARY BY FRC				
37					
38	Digitl Circ C.O. - Hardwired	357C 03		Sum Lines 10, 13	\$ 475.1261
39	Digitl Circ C.O. - Com. Plug-in	357C 06		Lines 14	\$ 6,360.5442
40	Digitl Circ C.O. - Def. Plug-in	357C 09		Line 11	\$ 1,971.2000
41	Digitl Circ C.O. - Combined	357C 15		Line 16	\$ 665.9108
42	Digitl Circ Prem - Hardwired	357C 19		Sum Lines 22, 25, 28	\$ 2,088.1269
43	Digitl Circ Prem - Com. Plug-in	357C 22		Sum Lines 26, 29	\$ 7,575.9637
44	Digitl Circ Prem - Def. Plug-in	357C 25		Line 23	\$ 1,971.2000
45	Fiber Bldg. Entrance Cable	812C 00		Line 31	\$ 270.7592
46	TOTAL STS-1 LOCAL CHANNEL			Sum Lines 38 Thru 45	\$ 21,378.8309
47					
48					
49	Probability of Occurrence OC-3			Input Sheet Line 60	55%
50					
51					
52	SUMMARY BY FRC - WEIGHTED				
53					
54	Digitl Circ C.O. - Hardwired	357C 03		Line 49 * Line 38	\$ 261.3194
55	Digitl Circ C.O. - Com. Plug-in	357C 06		Line 49 * Line 39	\$ 3,498.2993
56	Digitl Circ C.O. - Def. Plug-in	357C 09		Line 49 * Line 40	\$ 1,084.1600
57	Digitl Circ C.O. - Combined	357C 15		Line 49 * Line 41	\$ 366.2509
58	Digitl Circ Prem - Hardwired	357C 19		Line 49 * Line 42	\$ 1,148.4698
59	Digitl Circ Prem - Com. Plug-in	357C 22		Line 49 * Line 43	\$ 4,166.7800
60	Digitl Circ Prem - Def. Plug-in	357C 25		Line 49 * Line 44	\$ 1,084.1600
61	Fiber Bldg. Entrance Cable	812C 00		Line 49 * Line 45	\$ 148.9175
62	OTAL STS-1 LOCAL CHANNEL (WEIGHTED)			Sum Lines 54 Thru 61	\$ 11,758.3570

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	A	B	C	D	E
1	Tennessee				
2	OC-3 TRANSPORT				
3	Study Period: 2000-2002				
4					
5	Element #: D.5.21 & D.5.23				
6	Item/Description				
7	Description	FRC	SubFRC	Source	Amount
8	MATERIAL PER MILE PER STRAND (ROUTE)				
9					
10	Aerial Fiber - Per Wgtd Fiber Mile - OC- 3 (LC)	822C 00		Input Sheet Line 46	\$ 28.9054
11	Buried Fiber - Per Wgtd Fiber Mile - OC- 3 (LC)	845C 00		Input Sheet Line 49	\$ 7.9276
12	UG Fiber - Per Wgtd Fiber Mile - OC- 3 (LC)	85C 00		Input Sheet Line 52	\$ 24.1488
13					
14	Number of Strands per Ring			Input Sheet Line 59	3
15					
16	Probability of Occurrence OC-3			Input Sheet Line 60	55%
17					
18	Route to Air Ratio (RTA)			Input Sheet Line 57	1.34
19					
20					
21	WEIGHTED MATERIAL PER MILE PER STRAND (AIR)				
22					
23	Aerial Fiber - Per Wgtd Fiber Mile - OC- 3 (LC)	822C 00		Line 10 * Line 14 * Line 16 * Line 18	\$ 63.9098
24	Buried Fiber - Per Wgtd Fiber Mile - OC- 3 (LC)	845C 00		Line 11 * Line 14 * Line 16 * Line 18	\$ 17.5280
25	UG Fiber - Per Wgtd Fiber Mile - OC- 3 (LC)	85C 00		Line 12 * Line 14 * Line 16 * Line 18	\$ 53.3930

001481

	A	B	C	D	E
1	Tennessee				
2	OC-12 ELECTRONICS				
3	Study Period: 2000-2002				
4					
5	Element #: D.5.21 & D.5.23				
6	Item/Description				
7	Description	FRC	SubFRC	Source	Amount
8	CENTRAL OFFICE				
9					
10	C.O. Interface STS-1 on OC-12	357C 03		Input Sheet Line 16	\$ 200.9765
11	C.O. Interface STS-1 on OC-12	357C 09		Input Sheet Line 17	\$ 1,636.1194
12					
13	C.O. Node - OC-12	357C 03		Input Sheet Line 23	\$ 223.6475
14	C.O. Node - OC-12	357C 06		Input Sheet Line 24	\$ 2,775.6981
15					
16	Data Communications - OC-12	357C 15		Input Sheet Line 41	\$ 128.1268
17					
18	TOTAL			Sum Lines 10 Thru 16	\$ 4,964.5682
19					
20	POINT OF TERMINATION (CLEC)				
21					
22	C.P. Interface STS-1 on OC-12	357C 19		Input Sheet Line 29	\$ 200.9765
23	C.P. Interface STS-1 on OC-12	357C 25		Input Sheet Line 30	\$ 1,601.9900
24					
25	C.P. Node - OC-12	357C 19		Input Sheet Line 36	\$ 223.6475
26	C.P. Node - OC-12	357C 22		Input Sheet Line 37	\$ 2,775.6981
27					
28	Battery Back-up - OC-12 (CP)	357C 19		Input Sheet Line 10	\$ 310.3549
29	Battery Back-up - OC-12 (CP)	357C 22		Input Sheet Line 11	\$ 233.8569
30					
31	Fiber Building Entrance Cable (LC) - OC-12	812C 00		Input Sheet Line 44	\$ 67.6898
32					
33	TOTAL			Sum Lines 22 Thru 31	\$ 5,414.2136
34					
35					
36	SUMMARY BY FRC				
37					
38	Digitl Circ C.O. - Hardwired	357C 03		Sum Lines 10, 13	\$ 424.6239
39	Digitl Circ C.O. - Com. Plug-in	357C 06		Lines 14	\$ 2,775.6981
40	Digitl Circ C.O. - Def. Plug-in	357C 09		Line 11	\$ 1,636.1194
41	Digitl Circ C.O. - Combined	357C 15		Line 16	\$ 128.1268
42	Digitl Circ Prem - Hardwired	357C 19		Sum Lines 22, 25, 28	\$ 734.9788
43	Digitl Circ Prem - Com. Plug-in	357C 22		Sum Lines 26, 29	\$ 3,009.5550
44	Digitl Circ Prem - Def. Plug-in	357C 25		Line 23	\$ 1,601.9900
45	Fiber Bldg. Entrance Cable	812C 00		Line 31	\$ 67.6898
46	TOTAL STS-1 LOCAL CHANNEL			Sum Lines 38 Thru 45	\$ 10,378.7819
47					
48					
49	Probability of Occurrence OC-12			Input Sheet Line 61	25%
50					
51					
52	SUMMARY BY FRC - WEIGHTED				
53					
54	Digitl Circ C.O. - Hardwired	357C 03		Line 49 * Line 38	\$ 106.1560
55	Digitl Circ C.O. - Com. Plug-in	357C 06		Line 49 * Line 39	\$ 693.9245
56	Digitl Circ C.O. - Def. Plug-in	357C 09		Line 49 * Line 40	\$ 409.0299
57	Digitl Circ C.O. - Combined	357C 15		Line 49 * Line 41	\$ 32.0317
58	Digitl Circ Prem - Hardwired	357C 19		Line 49 * Line 42	\$ 183.7447
59	Digitl Circ Prem - Com. Plug-in	357C 22		Line 49 * Line 43	\$ 752.3887
60	Digitl Circ Prem - Def. Plug-in	357C 25		Line 49 * Line 44	\$ 400.4975
61	Fiber Bldg. Entrance Cable	812C 00		Line 49 * Line 45	\$ 16.9224
62	OTAL STS-1 LOCAL CHANNEL (WEIGHTED)			Sum Lines 54 Thru 61	\$ 2,594.6955

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	A	B	C	D	E
1	Tennessee				
2	OC-12 TRANSPORT				
3	Study Period: 2000-2002				
4					
5	Element #: D.5.21 & D.5.23				
6	Item/Description				
7	Description	FRC	SubFRC	Source	Amount
8	MATERIAL PER MILE PER STRAND (ROUTE)				
9					
10	Aerial Fiber - Per Wgtd Fiber Mile - OC-12 (LC)	822C 00		Input Sheet Line 47	\$ 7.2263
11	Buried Fiber - Per Wgtd Fiber Mile - OC-12 (LC)	845C 00		Input Sheet Line 50	\$ 1.9819
12	UG Fiber - Per Wgtd Fiber Mile - OC-12 (LC)	85C 00		Input Sheet Line 53	\$ 6.0372
13					
14	Number of Strands per Ring			Input Sheet Line 59	3
15					
16	Probability of Occurrence OC-12			Input Sheet Line 61	25%
17					
18	Route to Air Ratio (RTA)			Input Sheet Line 57	1.34
19					
20					
21	WEIGHTED MATERIAL PER MILE PER STRAND (AIR)				
22					
23	Aerial Fiber - Per Wgtd Fiber Mile - OC-12 (LC)	822C 00		Line 10 * Line 14 * Line 16 * Line 18	\$ 7.2625
24	Buried Fiber - Per Wgtd Fiber Mile - OC-12 (LC)	845C 00		Line 11 * Line 14 * Line 16 * Line 18	\$ 1.9918
25	UG Fiber - Per Wgtd Fiber Mile - OC-12 (LC)	85C 00		Line 12 * Line 14 * Line 16 * Line 18	\$ 6.0674

001483

	A	B	C	D	E
1	Tennessee				
2	OC-48 ELECTRONICS				
3	Study Period: 2000-2002				
4					
5	Element #: D.5.21 & D.5.23				
6	Item/Description				
7	Description	FRC	SubFRC	Source	Amount
8	CENTRAL OFFICE				
9					
10	C.O. Interface STS-1 on OC-48 - Mux & Protect	357C 06		Input Sheet Line 18	\$ 334.8279
11	C.O. Interface STS-1 on OC-48 - Working	357C 03		Input Sheet Line 19	\$ 200.9765
12	C.O. Interface STS-1 on OC-48 - Working	357C 09		Input Sheet Line 20	\$ 877.1000
13					
14	C.O. Node - OC-48 Term	357C 03		Input Sheet Line 25	\$ 2,174.9197
15	C.O. Node - OC-48 Term	357C 06		Input Sheet Line 26	\$ 3,660.6001
16					
17	Data Communications - OC-48	357C 15		Input Sheet Line 42	\$ 39.9004
18					
19	TOTAL			Sum Lines 10 Thru 17	\$ 7,288.3245
20					
21	POINT OF TERMINATION (CP)				
22					
23	C.P. Interface STS-1 on OC-48 - Mux & Protect	357C 22		Input Sheet Line 31	\$ 334.8279
24	C.P. Interface STS-1 on OC-48 - Working	357C 19		Input Sheet Line 32	\$ 200.9765
25	C.P. Interface STS-1 on OC-48 - Working	357C 25		Input Sheet Line 33	\$ 877.1000
26					
27	C.P. Node - OC-48 Term	357C 19		Input Sheet Line 38	\$ 2,174.9197
28	C.P. Node - OC-48 Term	357C 22		Input Sheet Line 39	\$ 3,660.6001
29					
30	Battery Back-up - OC-48 (CP)	357C 19		Input Sheet Line 12	\$ 96.6486
31	Battery Back-up - OC-48 (CP)	357C 22		Input Sheet Line 13	\$ 72.8261
32					
33	Fiber Building Entrance Cable (LC) - OC-48	812C 00		Input Sheet Line 45	\$ 16.9224
34					
35	TOTAL			Sum Lines 23 Thru 33	\$ 7,434.8212
36					
37					
38	SUMMARY BY FRC				
39					
40	Digitl Circ C.O. - Hardwired	357C 03		Sum Lines 11 + 14	\$ 2,375.8961
41	Digitl Circ C.O. - Com. Plug-in	357C 06		Sum Lines 10, 15	\$ 3,995.4280
42	Digitl Circ C.O. - Def. Plug-in	357C 09		Line 12	\$ 877.1000
43	Digitl Circ C.O. - Combined	357C 15		Line 17	\$ 39.9004
44	Digitl Circ Prem - Hardwired	357C 19		Sum Lines 24, 27, 30	\$ 2,472.5447
45	Digitl Circ Prem - Com. Plug-in	357C 22		Sum Lines 23, 28, 31	\$ 4,068.2540
46	Digitl Circ Prem - Def. Plug-in	357C 25		Line 25	\$ 877.1000
47	Fiber Bldg. Entrance Cable	812C 00		Line 33	\$ 16.9224
48	TOTAL STS-1 LOCAL CHANNEL			Sum Lines 40 Thru 47	\$ 14,723.1457
49					
50	SUMMARY BY FRC - WEIGHTED				
51					
52	Probability of Occurrence OC-48			Input Sheet Line 62	20%
53					
54	Digitl Circ C.O. - Hardwired	357C 03		Line 52 * Line 40	\$ 475.1792
55	Digitl Circ C.O. - Com. Plug-in	357C 06		Line 52 * Line 41	\$ 799.0856
56	Digitl Circ C.O. - Def. Plug-in	357C 09		Line 52 * Line 42	\$ 175.4200
57	Digitl Circ C.O. - Combined	357C 15		Line 52 * Line 43	\$ 7.9801
58	Digitl Circ Prem - Hardwired	357C 19		Line 52 * Line 44	\$ 494.5089
59	Digitl Circ Prem - Com. Plug-in	357C 22		Line 52 * Line 45	\$ 813.6508
60	Digitl Circ Prem - Def. Plug-in	357C 25		Line 52 * Line 46	\$ 175.4200
61	Fiber Bldg. Entrance Cable	812C 00		Line 52 * Line 47	\$ 3.3845
62	TOTAL STS-1 LOCAL CHANNEL (WEIGHTED)			Sum Lines 54 Thru 61	\$ 2,944.6291

001484

	A	B	C	D	E
1	Tennessee				
2	OC-48 TRANSPORT				
3	Study Period: 2000-2002				
4					
5	Element #: D.5.21 & D.5.23				
6	Item/Description				
7	Description	FRC	SubFRC	Source	Amount
8	MATERIAL PER MILE PER STRAND (ROUTE)				
9					
10	Aerial Fiber - Per Wgtd Fiber Mile - OC-48 (LC)	822C 00		Input Sheet Line 48	\$ 1.8066
11	Buried Fiber - Per Wgtd Fiber Mile - OC-48 (LC)	845C 00		Input Sheet Line 51	\$ 0.4955
12	UG Fiber - Per Wgtd Fiber Mile - OC-48 (LC)	85C 00		Input Sheet Line 54	\$ 1.5093
13					
14	Number of Strands per Ring			Input Sheet Line 59	3
15					
16	Probability of Occurrence OC-48			Input Sheet Line 62	20%
17					
18	Route to Air Ratio (RTA)			Input Sheet Line 57	1.34
19					
20					
21	WEIGHTED MATERIAL PER MILE PER STRAND (AIR)				
22					
23	Aerial Fiber - Per Wgtd Fiber Mile - OC-48 (LC)	822C 00		Line 10 * Line 14 * Line 16 * Line 18	\$ 1.4525
24	Buried Fiber - Per Wgtd Fiber Mile - OC-48 (LC)	845C 00		Line 11 * Line 14 * Line 16 * Line 18	\$ 0.3984
25	UG Fiber - Per Wgtd Fiber Mile - OC-48 (LC)	85C 00		Line 12 * Line 14 * Line 16 * Line 18	\$ 1.2135

001485

A	B	C	D	E	F	G	H	I	J	K
1	Tennessee									
2	Index Sheet									
3	Study Period: 01/2000 - 12/2002									
4										
5										
6										
7										
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33										
34										
35										
36										
37										

Sheet Name:

Index

Investments

Additives_Recurring

Additives_Nonrecurring

Recurring Labor

Nonrecurring Labor

INPUT

INPUTS_NRC

WP200

WP300

WP301

WP302

WP303

WP304

WP305

WP306

WP307

WP308

WP309

WP310

WP311

WP312

Description:

IO_DS3

CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA

CALCULATOR INPUT FORM - RECURRING EXPENSES DATA

CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA

CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA

CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES

Interface Dedicated Transport DS3

Non Recurring Labor

SUMMARY

DESIGN 1

DESIGN 2

DESIGN 3

DESIGN 4

DESIGN 5

DESIGN 6

DESIGN 7

DESIGN 8

DESIGN 9

DESIGN 10

DESIGN 11

DESIGN 12

DESIGN 13

001486

	A	B	C	D	E	F	G	H	I	J
1	CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA									
2										
3	Instructions:									
4	1. Use this worksheet to record material and/or investments to be input into the									
5	Calculator calculations.									
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).									
7	3. Input data, by Cost Element, leaving no blank lines. On next row									
8	after last line of data, type END in Cost Element Column.									
9	4. All data on this form should be cell-referenced to study workpapers.									
10	5. Do NOT change columns, headings, sheet name.									
11										
12										
13		Cost		Sub	Volume	Volume				
14	State	Element #	FRC	FRC	Sensitive	Insensitive				
15	TN	D.6.2	357C	03	\$ 4,363.7327	\$ Amount				
16	TN	D.6.2	357C	06	\$ 13,563.5301					
17	TN	D.6.2	357C	09	\$ 3,024.9107					
18	TN	D.6.2	357C	15	\$ 98.9353					
19	TN	D.6.1	822C	00	\$ 23.7310					
20	TN	D.6.1	845C	00	\$ 6.5085					
21	TN	D.6.1	85C	00	\$ 19.8259					
22	END									
23										
24										
25										

001487

	A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - RECURRING EXPENSES DATA							
2	Instructions:							
3	1. Use this worksheet to record recurring non-labor expenses to be input into the							
4	Calculator calculations.							
5	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).							
6	3. Input data, by Cost Element, leaving no blank lines. On next row							
7	after last line of data, type END in Cost Element Column.							
8	4. All data on this form should be cell-referenced to study workpapers.							
9	5. Do NOT change columns, headings, sheet name.							
10								
11								
12								
13								
14								
15								
16								
17	<u>State</u>	<u>Cost</u>	<u>Recurring</u>	<u>Recurring</u>	<u>Recurring</u>			
18		<u>Element #</u>	<u>Expense Description</u>	<u>Volume</u>	<u>Volume</u>			
19			<u>(Limited to 25 characters)</u>	<u>Sensitive</u>	<u>Insensitive</u>			
20				<u>\$ Amount</u>	<u>\$ Amount</u>			
21								
22								
23								
24								
25								
26								
27								
28	Maximum 10 entries per Cost Element #							
29								
30								

001488

A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA						
2							
3	Instructions:						
4	1. Use this worksheet to record nonrecurring non-labor expenses to be input into the Calculator calculations.						
5	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
6	3. Input data, by Cost Element, leaving no blank lines. On next row						
7	after last line of data, type END in Cost Element Column.						
8	4. All data on this form should be cell-referenced to study workpapers.						
9	5. Do NOT change columns, headings, sheet name.						
10	6. Use column D when cost element has a single nonrecurring cost; use columns E & F for elements with a first						
11	and additional nonrecurring cost; use columns G & H for elements with an initial and subsequent nonrecurring cost.						
12							
13							
14							
15	Cost	Nonrecurring	Nonrecurring	Nonrecurring	Nonrecurring	Nonrecurring	Nonrecurring
16	Element #	Expense Description	\$ Amount	First	Additional	Initial	Subsequent
17		(Limited to 25 characters)	\$ Amount	\$ Amount	\$ Amount	\$ Amount	\$ Amount
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28	Maximum 10 entries per Cost Element #						
29							
30							

001489

	A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA							
2								
3	Instructions:							
4	1. Use this worksheet to record recurring expensed labor times to be input into the							
5	Calculator calculations.							
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).							
7	3. Input data, by Cost Element, leaving no blank lines. On next row							
8	after last line of data, type END in Cost Element Column.							
9	4. All data on this form should be cell-referenced to study workpapers.							
10	5. Do NOT change columns, headings, sheet name.							
11								
12								
13								
14	<u>State</u>	<u>Cost</u>	<u>Labor Expense Description</u>	<u>JFC/</u>	<u>Work Time (Hours)</u>	<u>Volume</u>	<u>Volume</u>	
15	<u>Element #</u>		<u>(Limited to 25 characters)</u>	<u>Payband</u>	<u>Sensitive</u>	<u>Insensitive</u>		
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								
38								

Maximum 20 entries per Cost Element #

001490

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES													
2	Instructions:													
3	1. Use this worksheet to record nonrecurring labor times to be input into the Calculator calculations.													
4	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).													
5	3. Input data, by Cost Element, leaving no blank lines. On next row													
6	after last line of data, type END in Cost Element Column.													
7	4. All data on this form should be cell-referenced to study workpapers.													
8	5. Do NOT change columns, headings, sheet name.													
9	6. Use columns F & G when cost element has a single nonrecurring cost; use columns H, I, J, & K for elements with a first													
10	and additional nonrecurring cost; use columns L, M, N & O for elements with an initial and subsequent nonrecurring cost.													
11	7. Input Cost Element Life (in months) on first row of data for each cost element. It is not necessary to repeat on each line.													
12														
13														
14														
15	Study Mid-Point Date (Mos.) 6/1/2001													
16														
17														
18														
19														
20	State	Cost	Cost	Labor Expense Description	JFC/	(For use w/ one NR)	First	First	Additional	Additional	Initial	Initial	Subsequent	Subsequent
21	TN	D.6.2	Life (Mo)	(Limited to 25 characters)	Payband	Installation Time (Hours)	Disconnect Time (Hours)	Installation Time (Hours)	Installation Time (Hours)	Disconnect Time (Hours)	Installation Time (Hours)	Disconnect Time (Hours)	Installation Time (Hours)	Disconnect Time (Hours)
22	TN	D.6.2	52	Connect	431X	1.4920	0.0000	1.4920	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
23	TN	D.6.298	52	Test	4AXX	0.9500	0.0000	0.9500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
24	TN	D.6.298	52	Test	431X	2.2380	0.0000	2.2380	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25	TN	D.6.2	52	Engineering	4AXX	0.9500	0.0000	0.9500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
26	TN	D.6.2	52	Engineering	4NAX	0.1118	0.0000	0.1118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
27	TN	D.6.2	52	Engineering	3A2X	0.0333	0.0000	0.0333	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28	TN	D.6.2	52	Service Inquiry	4NAX	1.6640	0.0000	1.6640	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
29	TN	D.6.2	52	Service Inquiry	SDWC	2.0000	0.0000	2.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30	TN	D.6.2	52	Service Order	34XX	2.2500	0.0000	2.2500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
31	TN	D.6.2	52	Service Order	230X	0.0175	0.0000	0.0175	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
32	TN	D.6.2	52	Service Order	4AXX	0.0600	0.0000	0.0600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
33	TN	D.6.2	52	Service Order	4WXX	0.2500	0.0000	0.2500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
34	TN	D.6.2	52	Service Order	430X	0.1333	0.0000	0.1333	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35	TN	D.6.3	52	Service Order	230X	1.1783	0.0000	1.1783	0.0000	1.1783	0.0000	0.0000	0.0000	0.0000
36	TN	D.6.299	52	Connect	431X	0.0000	1.5966	0.0000	0.0000	1.5966	0.0000	0.0000	0.0000	0.0000
37	TN	D.6.299	52	Engineering	4NAX	0.0000	0.0412	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
38	TN	D.6.299	52	Engineering	3A2X	0.0000	0.0333	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
39	TN	D.6.299	52	Engineering	4NAX	0.0000	0.2626	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40	TN	D.6.299	52	Service Order	230X	0.0000	0.0175	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
41	TN	D.6.299	52	Service Order	4AXX	0.0000	0.1800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
42	TN	D.6.399	52	Service Order	430X	0.0000	0.1166	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
43	TN	D.6.399	52	Service Order	230X	0.0000	0.5100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
44	END													
45	Maximum of 25 entries per Cost Element #													

001491

A				B				C				D				E				F				G				H				I				J				K				L				M				N				O				P				Q				R				S																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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001492

A							E	F	G	H
1	Tennessee									
2	Non Recurring Labor									
3	Study Period: 01/2000 - 12/2002									
4										
5	Element #: D.6									
6	Item/Description									
7	Work Group	Description	JFC/JG/WS	C	D					
8	CO INSTALL & MTCE CKT & FAC (NTEL)	Connect	431X		Network	1.4920	1.5966	1.4920	1.5966	
9	ACCESS CUSTOMER ADVOCATE CENTER (UNEC)	Connect	4AXX		Network	0.9500	0.0000	0.9500	0.0000	
10	CO INSTALL & MTCE CKT & FAC (NTEL)	Test	431X		Network	2.2380	0.0000	2.2380	0.0000	
11	ACCESS CUSTOMER ADVOCATE CENTER (UNEC)	Test	4AXX		Network	0.9500	0.0000	0.9500	0.0000	
12	CIRCUIT PROVISIONING GROUP (CPG)	Engineering	4N4X		Network	0.1118	0.0412	0.0000	0.0000	
13	NETWORK PLANNING & ENGINEERING (PICS)	Engineering	3A2X		Network	0.0333	0.0333	0.0000	0.0000	
14	CIRCUIT PROVISIONING GROUP (CPG)	Engineering	4N4X		Network	1.6640	0.2626	1.6640	0.2626	
15	COMPLEX RESALE SUPPORT GROUP (CRSG)	Service Inquiry	SDWC		Network	2.0000	0.0000	0.0000	0.0000	
16	NETWORK PLANNING & ENGINEERING (FG20)	Service Inquiry	34XX		Network	2.2500	0.0000	0.2500	0.0000	
17	CUSTOMER POINT OF CONTACT (LCSC)	Service Order	230X		Network	0.0175	0.0175	0.0175	0.0175	
18	ACCESS CUSTOMER ADVOCATE CENTER (UNEC)	Service Order	4AXX		Network	0.0600	0.1800	0.0600	0.1800	
19	WORK MANAGEMENT CENTER	Service Order	4WXX		Network	0.2500	0.0000	0.0500	0.0000	
20	CO INSTALL & MTCE-SWITCH EQUIP	Service Order	430X		Network	0.1333	0.1166	0.0833	0.1166	
21	CUSTOMER POINT OF CONTACT (LCSC) MANUAL	Service Order	230X		Network	1.1783	0.5100	1.1783	0.5100	
22										
23	Cost element Life (Months) =	52			LocLife.xls					
24										
25										
26										
27										
28										
29										
30										

For LCSC work times longer than the standard half hour the manual work times below apply.

1.1958 - .0175 = 1.1783

.5275 - .0175 = 0.5100

1.1958 - .0175 = 1.1783

.5275 - .0175 = 0.5100

001493

	A	B	C	D	E	F
1	Tennessee					
2	Interoffice Dedicated Transport DS3					
3	Study Period: 01/2000 - 12/2002					
4						
5	Element #: D.6					
6						
7	Facility Terminations Weighted Material					
8		FRC	Sub FRC	Sub FRC	Sub FRC	
9		357C	03	06	09	15
10						SOURCE
11	Design 1	\$ 1,121.3726	\$ 3,070.0276	\$ 778.4882	\$ 18.474	Wp300, Col G, Ln 38 thru 41
12	Design 2	\$ 750.8110	\$ 2,149.2084	\$ 532.5180	\$ 12.369	Wp301, Col G, Ln 43 thru 46
13	Design 3	\$ 970.7251	\$ 2,803.4354	\$ 804.4190	\$ 12.369	Wp302, Col G, Ln 43 thru 46
14	Design 4	\$ 713.9635	\$ 2,088.9804	\$ 399.6146	\$ 9.217	Wp303, Col G, Ln 43 thru 46
15	Design 5	\$ 81.8073	\$ 437.9959	\$ 73.6264	\$ 3.697	Wp304, Col G, Ln 61 thru 64
16	Design 6	\$ 57.0479	\$ 488.5229	\$ 143.3392	\$ 5.638	Wp305, Col G, Ln 33 thru 36
17	Design 7	\$ 66.8884	\$ 693.0736	\$ 71.6696	\$ 5.638	Wp306, Col G, Ln 36 thru 39
18	Design 8	\$ 12.2440	\$ 190.8163	\$ 36.2960	\$ 6.659	Wp307, Col G, Ln 33 thru 36
19	Design 9	\$ 88.7759	\$ 741.4663	\$ 79.8512	\$ 2.819	Wp308, Col G, Ln 33 thru 36
20	Design 10	\$ 72.9275	\$ 559.7153	\$ 70.6520	\$ 14.116	Wp309, Col G, Ln 61 thru 64
21	Design 11	\$ 25.2094	\$ 340.2881	\$ 34.4365	\$ 7.940	Wp310, Col G, Ln 57 thru 60
22	Design 12	\$ -	\$ -	\$ -		Wp311, Col G, Ln 30 thru 32
23	Design 13	\$ -	\$ -	\$ -		Wp312, Col G, Ln 30 thru 32
24						
25	Total Designs	\$ 3,961.7727	\$ 13,563.5301	\$ 3,024.9107	\$ 98.935	Ln 11 thru 23
26						
27	DSX-3 Panel * (2 ports)	\$ 401.9600				Input Sheet Ln50
28						
29	Total	\$ 4,363.7327	\$ 13,563.5301	\$ 3,024.9107	\$ 98.935	Ln 25 + Ln 27
30						
31						
32	Per Mile Weighted Material (Route Distance)					
33						
34		822C	845C	85C		
35		Sub FRC 00	Sub FRC 00	Sub FRC 00		
36						
37	Design 1	\$ 4.4135	\$ 1.2105	\$ 3.6873		Wp300, Col G, Ln 42 thru 44
38	Design 2	\$ 1.4775	\$ 0.4052	\$ 1.2344		Wp301, Col G, Ln 47 thru 49
39	Design 3	\$ 1.4775	\$ 0.4052	\$ 1.2344		Wp302, Col G, Ln 47 thru 49
40	Design 4	\$ 0.7340	\$ 0.2013	\$ 0.6132		Wp303, Col G, Ln 47 thru 49
41	Design 5	\$ 0.8831	\$ 0.2422	\$ 0.7378		Wp304, Col G, Ln 65 thru 67
42	Design 6	\$ 1.3469	\$ 0.3694	\$ 1.1252		Wp305, Col G, Ln 37 thru 39
43	Design 7	\$ 0.6734	\$ 0.1847	\$ 0.5626		Wp306, Col G, Ln 40 thru 42
44	Design 8	\$ 1.5909	\$ 0.4363	\$ 1.3291		Wp307, Col G, Ln 37 thru 39
45	Design 9	\$ 0.6734	\$ 0.1847	\$ 0.5626		Wp308, Col G, Ln 37 thru 39
46	Design 10	\$ 3.3725	\$ 0.9249	\$ 2.8175		Wp309, Col G, Ln 65 thru 67
47	Design 11	\$ 1.8970	\$ 0.5203	\$ 1.5848		Wp310, Col G, Ln 61 thru 63
48	Design 12	\$ -	\$ -	\$ -		Wp311, Col G, Ln 33 thru 35
49	Design 13	\$ -	\$ -	\$ -		Wp312, Col G, Ln 33 thru 35
50						
51	Total Designs	\$ 18.5399	\$ 5.0848	\$ 15.4890		Ln 37 thru 49
52						
53	Route to Air Ratio	1.280	1.280	1.280		Input Sheet Ln 51
54						
55	Material Per Air Mile	\$ 23.7310	\$ 6.5085	\$ 19.8259		Ln 51 * Ln 53

001494

	A	B	C	D	E	F	G
1	Tennessee						
2	Interoffice Dedicated Transport DS3					Design 1- OC48 Ring	
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.6						
6	Item/Description				Network No		(E)*(F)
7	Description	FRC	SubFRC	SOURCE	Requested	Amount	Total Mat
8	C.O. Node - OC-48 (BLSR)	357C	03	Input Sheet Ln32	2	\$ 508.4239	\$ 1,016.8478
9		357C	06	Input Sheet Ln33	2	\$ 1,507.1558	\$ 3,014.3116
10							
11	C.O. Node - OC-48 BLSR Intermed.	357C	03	Input Sheet Ln30	1	\$ 1,003.1703	\$ 1,003.1703
12		357C	06	Input Sheet Ln31	1	\$ 3,014.3116	\$ 3,014.3116
13							
14	C.O. Interface DS3 on OC-48 - Mux & Prot.	357C	06	Input Sheet Ln19	2	\$ 301.0530	\$ 602.1060
15							
16	C.O. Interface DS3 on OC-48 - Working	357C	03	Input Sheet Ln20	2	\$ 200.9765	\$ 401.9529
17		357C	09	Input Sheet Ln21	2	\$ 840.7000	\$ 1,681.4000
18							
19	Data Communications - OC-48	357C	15	Input Sheet Ln36	1	\$ 39.9004	\$ 39.9004
20							
21	AR-Fiber - OC-48 BLSR Per Weighted Fiber Mile	822C	00	Input Sheet Ln39	3	\$ 3.1775	\$ 9.5325
22							
23	BU-Fiber - OC-48 BLSR Per Weighted Fiber Mile	845C	00	Input Sheet Ln42	3	\$ 0.8715	\$ 2.6144
24							
25	UG-Fiber - OC-48 BLSR Per Weighted Fiber Mile	85C	00	Input Sheet Ln45	3	\$ 2.6546	\$ 7.9639
26							
27							
28	Total Material by FRC - Design 1	357C	03	Col G Ln8+Ln11+Ln16			\$ 2,421.9711
29		357C	06	Col G Ln9+Ln12+Ln14			\$ 6,630.7292
30		357C	09	Col G Ln17			\$ 1,681.4000
31		357C	15	Col G Ln19			\$ 39.9004
32		822C	00	Col G Ln21			\$ 9.5325
33		845C	00	Col G Ln23			\$ 2.6144
34		85C	00	Col G Ln25			\$ 7.9639
35							
36	Probability of Occurrence - Design 1			Input Sheet Ln49		0.463	
37							
38	Weighted Material by FRC - Design 1	357C	03	Col G Ln 28 * Ln 36			\$ 1,121.3726
39		357C	06	Col G Ln 29 * Ln 36			\$ 3,070.0276
40		357C	09	Col G Ln 30 * Ln 36			\$ 778.4882
41		357C	15	Col G Ln 31 * Ln 36			\$ 18.4739
42		822C	00	Col G Ln 32 * Ln 36			\$ 4.4135
43		845C	00	Col G Ln 33 * Ln 36			\$ 1.2105
44		85C	00	Col G Ln 34 * Ln 36			\$ 3.6873

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	A	B	C	D	E	F	G
1	Tennessee						
2	Interoffice Dedicated Transport DS3					Design 2 - OC48 Ring	
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.6						
6	Item/Description				Network No		(E)*(F)
7	Description	FRC	SubFRC	SOURCE	Requested	Amount	Total Mat
8	C.O. Node - OC-48 (BLSR)	357C	03	Input Sheet Ln32	4	\$ 508.4239	\$ 2,033.6957
9		357C	06	Input Sheet Ln33	4	\$ 1,507.1558	\$ 6,028.6232
10							
11	C.O. Node - OC-48 BLSR Intermed.	357C	03	Input Sheet Ln30	2	\$ 1,003.1703	\$ 2,006.3406
12		357C	06	Input Sheet Ln31	2	\$ 3,014.3116	\$ 6,028.6232
13							
14	C.O. Interface DS3 on OC-48 - Mux & Prot.	357C	06	Input Sheet Ln19	2	\$ 301.0530	\$ 602.1060
15							
16	C.O. Interface DS3 on OC-48 - Working	357C	03	Input Sheet Ln20	2	\$ 200.9765	\$ 401.9529
17		357C	09	Input Sheet Ln21	2	\$ 840.7000	\$ 1,681.4000
18							
19	Data Communications - OC-48	357C	15	Input Sheet Ln36	2	\$ 39.9004	\$ 79.8007
20							
21	C.O. Connection STS-1 on OC-48 - Mux & Prot.	357C	06	Input Sheet Ln12	2	\$ 603.2541	\$ 1,206.5082
22							
23	C.O. Connection STS-1 on OC-48 - Working	357C	03	Input Sheet Ln13	2	\$ 200.9765	\$ 401.9529
24		357C	09	Input Sheet Ln14	2	\$ 877.1000	\$ 1,754.2000
25							
26	AR-Fiber - OC-48 BLSR Per Weighted Fiber Mile	822C	00	Input Sheet Ln39	3	\$ 3.1775	\$ 9.5325
27							
28	BU-Fiber - OC-48 BLSR Per Weighted Fiber Mile	845C	00	Input Sheet Ln42	3	\$ 0.8715	\$ 2.6144
29							
30	UG-Fiber - OC-48 BLSR Per Weighted Fiber Mile	85C	00	Input Sheet Ln45	3	\$ 2.6546	\$ 7.9639
31							
32							
33	Total Material by FRC - Design 2	357C	03	Col G Ln8+Ln11+Ln16+Ln23			\$ 4,843.9421
34		357C	06	Col G Ln9+Ln12+Ln14+Ln21			\$ 13,865.8605
35		357C	09	Col G Ln17+Ln24			\$ 3,435.6000
36		357C	15	Col G Ln19			\$ 79.8007
37		822C	00	Col G Ln26			\$ 9.5325
38		845C	00	Col G Ln28			\$ 2.6144
39		85C	00	Col G Ln30			\$ 7.9639
40							
41	Probability of Occurrence - Design 2			Input Sheet Ln49		0.155	
42							
43	Weighted Material by FRC - Design 2	357C	03	Col G Ln 33 * Ln 41			\$ 750.8110
44		357C	06	Col G Ln 34 * Ln 41			\$ 2,149.2084
45		357C	09	Col G Ln 35 * Ln 41			\$ 532.5180
46		357C	15	Col G Ln 36 * Ln 41			\$ 12.3691
47		822C	00	Col G Ln 37 * Ln 41			\$ 1.4775
48		845C	00	Col G Ln 38 * Ln 41			\$ 0.4052
49		85C	00	Col G Ln 39 * Ln 41			\$ 1.2344

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	A	B	C	D	E	F	G
1	Tennessee						
2	Interoffice Dedicated Transport DS3				Design 3 - OC48 Ring		
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.6						
6	Item/Description				Network No		(E)*(F)
7	Description	FRC	SubFRC	SOURCE	Requested	Amount	Total Mat
8	C.O. Node - OC-48 (BLSR)	357C	03	Input Sheet Ln32	6	\$ 508.4239	\$ 3,050.5435
9		357C	06	Input Sheet Ln33	6	\$ 1,507.1558	\$ 9,042.9348
10							
11	C.O. Node - OC-48 BLSR Intermed.	357C	03	Input Sheet Ln30	2	\$ 1,003.1703	\$ 2,006.3406
12		357C	06	Input Sheet Ln31	2	\$ 3,014.3116	\$ 6,028.6232
13							
14	C.O. Interface DS3 on OC-48 - Mux & Prot.	357C	06	Input Sheet Ln19	2	\$ 301.0530	\$ 602.1060
15							
16	C.O. Interface DS3 on OC-48 - Working	357C	03	Input Sheet Ln20	2	\$ 200.9765	\$ 401.9529
17		357C	09	Input Sheet Ln21	2	\$ 840.7000	\$ 1,681.4000
18							
19	Data Communications - OC-48	357C	15	Input Sheet Ln36	2	\$ 39.9004	\$ 79.8007
20							
21	C.O. Connection STS-1 on OC-48 - Mux & Prot.	357C	06	Input Sheet Ln12	4	\$ 603.2541	\$ 2,413.0163
22							
23	C.O. Connection STS-1 on OC-48 - Working	357C	03	Input Sheet Ln13	4	\$ 200.9765	\$ 803.9059
24		357C	09	Input Sheet Ln14	4	\$ 877.1000	\$ 3,508.4000
25							
26	AR-Fiber - OC-48 BLSR Per Weighted Fiber Mile	822C	00	Input Sheet Ln39	3	\$ 3.1775	\$ 9.5325
27							
28	BU-Fiber - OC-48 BLSR Per Weighted Fiber Mile	845C	00	Input Sheet Ln42	3	\$ 0.8715	\$ 2.6144
29							
30	UG-Fiber - OC-48 BLSR Per Weighted Fiber Mile	85C	00	Input Sheet Ln45	3	\$ 2.6546	\$ 7.9639
31							
32							
33	Total Material by FRC - Design 3	357C	03	Col G Ln8+Ln11+Ln16+Ln23			\$ 6,262.7429
34		357C	06	Col G Ln9+Ln12+Ln14+Ln21			\$ 18,086.6803
35		357C	09	Col G Ln17+Ln24			\$ 5,189.8000
36		357C	15	Col G Ln19			\$ 79.8007
37		822C	00	Col G Ln26			\$ 9.5325
38		845C	00	Col G Ln28			\$ 2.6144
39		85C	00	Col G Ln30			\$ 7.9639
40							
41	Probability of Occurrence - Design 3			Input Sheet Ln49		0.155	
42							
43	Weighted Material by FRC - Design 3	357C	03	Col G Ln 33 * Ln 41			\$ 970.7251
44		357C	06	Col G Ln 34 * Ln 41			\$ 2,803.4354
45		357C	09	Col G Ln 35 * Ln 41			\$ 804.4190
46		357C	15	Col G Ln 36 * Ln 41			\$ 12.3691
47		822C	00	Col G Ln 37 * Ln 41			\$ 1.4775
48		845C	00	Col G Ln 38 * Ln 41			\$ 0.4052
49		85C	00	Col G Ln 39 * Ln 41			\$ 1.2344

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	A	B	C	D	E	F	G
1	Tennessee						
2	Interoffice Dedicated Transport DS3					Design 4 - OC48 Ring	
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.6						
6	Item/Description				Network No		(E)*(F)
7	Description	FRC	SubFRC	SOURCE	Requested	Amount	Total Mat
8	C.O. Node - OC-48 (BLSR)	357C	03	Input Sheet Ln32	6	\$ 508.4239	\$ 3,050.5435
9		357C	06	Input Sheet Ln33	6	\$ 1,507.1558	\$ 9,042.9348
10							
11	C.O. Node - OC-48 BLSR Intermed.	357C	03	Input Sheet Ln30	5	\$ 1,003.1703	\$ 5,015.8514
12		357C	06	Input Sheet Ln31	5	\$ 3,014.3116	\$ 15,071.5580
13							
14	C.O. Interface DS3 on OC-48 - Mux & Prot.	357C	06	Input Sheet Ln19	2	\$ 301.0530	\$ 602.1060
15							
16	C.O. Interface DS3 on OC-48 - Working	357C	03	Input Sheet Ln20	2	\$ 200.9765	\$ 401.9529
17		357C	09	Input Sheet Ln21	2	\$ 840.7000	\$ 1,681.4000
18							
19	Data Communications - OC-48	357C	15	Input Sheet Ln36	3	\$ 39.9004	\$ 119.7011
20							
21	C.O. Connection STS-1 on OC-48 - Mux & Prot.	357C	06	Input Sheet Ln12	4	\$ 603.2541	\$ 2,413.0163
22							
23	C.O. Connection STS-1 on OC-48 - Working	357C	03	Input Sheet Ln13	4	\$ 200.9765	\$ 803.9059
24		357C	09	Input Sheet Ln14	4	\$ 877.1000	\$ 3,508.4000
25							
26	AR-Fiber - OC-48 BLSR Per Weighted Fiber Mile	822C	00	Input Sheet Ln39	3	\$ 3.1775	\$ 9.5325
27							
28	BU-Fiber - OC-48 BLSR Per Weighted Fiber Mile	845C	00	Input Sheet Ln42	3	\$ 0.8715	\$ 2.6144
29							
30	UG-Fiber - OC-48 BLSR Per Weighted Fiber Mile	85C	00	Input Sheet Ln45	3	\$ 2.6546	\$ 7.9639
31							
32							
33	Total Material by FRC - Design 4	357C	03	Col G Ln8+Ln11+Ln16+Ln23			\$ 9,272.2538
34		357C	06	Col G Ln9+Ln12+Ln14+Ln21			\$ 27,129.6150
35		357C	09	Col G Ln17+Ln24			\$ 5,189.8000
36		357C	15	Col G Ln19			\$ 119.7011
37		822C	00	Col G Ln26			\$ 9.5325
38		845C	00	Col G Ln28			\$ 2.6144
39		85C	00	Col G Ln30			\$ 7.9639
40							
41	Probability of Occurrence - Design 4			Input Sheet Ln49		0.077	
42							
43	Weighted Material by FRC - Design 4	357C	03	Col G Ln 33 * Ln 41			\$ 713.9635
44		357C	06	Col G Ln 34 * Ln 41			\$ 2,088.9804
45		357C	09	Col G Ln 35 * Ln 41			\$ 399.6146
46		357C	15	Col G Ln 36 * Ln 41			\$ 9.2170
47		822C	00	Col G Ln 37 * Ln 41			\$ 0.7340
48		845C	00	Col G Ln 38 * Ln 41			\$ 0.2013
49		85C	00	Col G Ln 39 * Ln 41			\$ 0.6132

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	A	B	C	D	E	F	G
1	Tennessee						
2	Interoffice Dedicated Transport DS3						
3	Study Period: 01/2000 - 12/2002					Design 5 - OC48 and OC12 Ring	
4							
5	Element #: D.6						
6	Item/Description						
7	Description	FRC	SubFRC	SOURCE	Network No Requested	Amount	(E)*(F) Total Mat
8	OC 48 Ring						
9	C.O. Node - OC-48 (BLSR)	357C	03	Input Sheet Ln32	2	\$ 508.4239	\$ 1,016.8478
10		357C	06	Input Sheet Ln33	2	\$ 1,507.1558	\$ 3,014.3116
11	C.O. Node - OC-48 BLSR Intermed.	357C	03	Input Sheet Ln30	1	\$ 1,003.1703	\$ 1,003.1703
12		357C	06	Input Sheet Ln31	1	\$ 3,014.3116	\$ 3,014.3116
13	C.O. Interface DS3 on OC-48 - Mux & Prot.	357C	06	Input Sheet Ln19	1	\$ 301.0530	\$ 301.0530
14	C.O. Interface DS3 on OC-48 - Working	357C	03	Input Sheet Ln20	1	\$ 200.9765	\$ 200.9765
15		357C	09	Input Sheet Ln21	1	\$ 840.7000	\$ 840.7000
16	Data Communications - OC-48	357C	15	Input Sheet Ln36	1	\$ 39.9004	\$ 39.9004
17	C.O. Connection STS-1 on OC-48 - Mux & Prot.	357C	06	Input Sheet Ln12	1	\$ 603.2541	\$ 603.2541
18	C.O. Connection STS-1 on OC-48 - Working	357C	03	Input Sheet Ln13	1	\$ 200.9765	\$ 200.9765
19		357C	09	Input Sheet Ln14	1	\$ 877.1000	\$ 877.1000
20	AR-Fiber - OC-48 BLSR Per Weighted Fiber Mile	822C	00	Input Sheet Ln39	3	\$ 3.1775	\$ 9.5325
21	BU-Fiber - OC-48 BLSR Per Weighted Fiber Mile	845C	00	Input Sheet Ln42	3	\$ 0.8715	\$ 2.6144
22	UG-Fiber - OC-48 BLSR Per Weighted Fiber Mile	85C	00	Input Sheet Ln45	3	\$ 2.6546	\$ 7.9639
23							
24	OC48 Ring Material by FRC - Design 5	357C	03	Col G,Ln9+Ln11+Ln14+Ln18			\$ 2,421.9711
25		357C	06	Col G,Ln10+Ln12+Ln13+Ln17			\$ 6,932.9303
26		357C	09	Col G Ln15+Ln19			\$ 1,717.8000
27		357C	15	Col G Ln16			\$ 39.9004
28		822C	00	Col G Ln20			\$ 9.5325
29		845C	00	Col G Ln21			\$ 2.6144
30		85C	00	Col G Ln22			\$ 7.9639
31	OC 12 Ring						
32	C.O. Node - OC-12	357C	03	Input Sheet Ln28	4	\$ 223.6475	\$ 894.5899
33		357C	06	Input Sheet Ln29	4	\$ 2,775.6981	\$ 11,102.7923
34	C.O. Interface DS3 on OC-12	357C	03	Input Sheet Ln17	1	\$ 200.9765	\$ 200.9765
35		357C	09	Input Sheet Ln18	1	\$ 1,628.8540	\$ 1,628.8540
36	Data Communications - OC-12	357C	15	Input Sheet Ln35	1	\$ 128.1268	\$ 128.1268
37	C.O. Connection STS-1 on OC-12	357C	03	Input Sheet Ln10	1	\$ 200.9765	\$ 200.9765
38		357C	06	Input Sheet Ln11	1	\$ 1,873.1821	\$ 1,873.1821
39	AR-Fiber - OC-12 Per Weighted Fiber Mile	822C	00	Input Sheet Ln38	3	\$ 10.2035	\$ 30.6104
40	BU-Fiber - OC-12 Per Weighted Fiber Mile	845C	00	Input Sheet Ln41	3	\$ 2.7984	\$ 8.3953
41	UG-Fiber - OC-12 Per Weighted Fiber Mile	85C	00	Input Sheet Ln44	3	\$ 8.5244	\$ 25.5733
42							
43	OC12 Ring Material by FRC - Design 5	357C	03	Col G,Ln32+Ln34+Ln37			\$ 1,296.5428
44		357C	06	Col G,Ln33+Ln38			\$ 12,975.9744
45		357C	09	Col G Ln35			\$ 1,628.8540
46		357C	15	Col G Ln36			\$ 128.1268
47		822C	00	Col G Ln39			\$ 30.6104
48		845C	00	Col G Ln40			\$ 8.3953
49		85C	00	Col G Ln41			\$ 25.5733
50							
51	TOTAL MATERIAL by FRC - Design 5	357C	03	Col G,Ln24+Ln43			\$ 3,718.5139
52		357C	06	Col G,Ln25+Ln44			\$ 19,908.9047
53		357C	09	Col G,Ln26+Ln45			\$ 3,346.6540
54		357C	15	Col G,Ln27+Ln46			\$ 168.0272
55		822C	00	Col G,Ln28+Ln47			\$ 40.1429
56		845C	00	Col G,Ln29+Ln48			\$ 11.0097
57		85C	00	Col G,Ln30+Ln49			\$ 33.5371
58							
59	Probability of Occurrence - Design 5			Input Sheet Ln49		0.022	
60							
61	Weighted Material by FRC - Design 5	357C	03	Col G Ln 51 * Ln 59			\$ 81.8073
62		357C	06	Col G Ln 52 * Ln 59			\$ 437.9959
63		357C	09	Col G Ln 53 * Ln 59			\$ 73.6264
64		357C	15	Col G Ln 54 * Ln 59			\$ 3.6966
65		822C	00	Col G Ln 55 * Ln 59			\$ 0.8831
66		845C	00	Col G Ln 56 * Ln 59			\$ 0.2422
67		85C	00	Col G Ln 57 * Ln 59			\$ 0.7378

	A	B	C	D	E	F	G
1	Tennessee						
2	Interoffice Dedicated Transport DS3				Design 6 - OC-12 Ring		
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.6						
6	Item/Description				Network No		(E)*(F)
7	Description	FRC	SubFRC	SOURCE	Requested	Amount	Total Mat
8	C.O. Node - OC-12	357C	03	Input Sheet Ln28	4	\$ 223.6475	\$ 894.5899
9		357C	06	Input Sheet Ln29	4	\$ 2,775.6981	\$ 11,102.7923
10							
11	C.O. Interface DS3 on OC-12	357C	03	Input Sheet Ln17	2	\$ 200.9765	\$ 401.9529
12		357C	09	Input Sheet Ln18	2	\$ 1,628.8540	\$ 3,257.7080
13							
14	Data Communications - OC-12	357C	15	Input Sheet Ln35	1	\$ 128.1268	\$ 128.1268
15							
16	AR-Fiber - OC-12 Per Weighted Fiber Mile	822C	00	Input Sheet Ln38	3	\$ 10.2035	\$ 30.6104
17							
18	BU-Fiber - OC-12 Per Weighted Fiber Mile	845C	00	Input Sheet Ln41	3	\$ 2.7984	\$ 8.3953
19							
20	UG-Fiber - OC-12 Per Weighted Fiber Mile	85C	00	Input Sheet Ln44	3	\$ 8.5244	\$ 25.5733
21							
22							
23	Total Material by FRC - Design 6	357C	03	Col G Ln8+Ln11			\$ 1,296.5428
24		357C	06	Col G Ln9			\$ 11,102.7923
25		357C	09	Col G Ln12			\$ 3,257.7080
26		357C	15	Col G Ln14			\$ 128.1268
27		822C	00	Col G Ln16			\$ 30.6104
28		845C	00	Col G Ln18			\$ 8.3953
29		85C	00	Col G Ln20			\$ 25.5733
30							
31	Probability of Occurrence - Design 6			Input Sheet Ln49		0.044	
32							
33	Weighted Material by FRC - Design 6	357C	03	Col G Ln 23 * Ln 31			\$ 57.0479
34		357C	06	Col G Ln 24 * Ln 31			\$ 488.5229
35		357C	09	Col G Ln 25 * Ln 31			\$ 143.3392
36		357C	15	Col G Ln 26 * Ln 31			\$ 5.6376
37		822C	00	Col G Ln 27 * Ln 31			\$ 1.3469
38		845C	00	Col G Ln 28 * Ln 31			\$ 0.3694
39		85C	00	Col G Ln 29 * Ln 31			\$ 1.1252

001500

	A	B	C	D	E	F	G
1	Tennessee						
2	Interoffice Dedicated Transport DS3				Design 7 - OC-12 Ring		
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.6						
6	Item/Description			SOURCE	Network No Requested	Amount	(E)*(F) Total Mat
7	Description	FRC	SubFRC				
8	C.O. Node - OC-12	357C	03	Input Sheet Ln28	10	\$ 223.6475	\$ 2,236.4747
9		357C	06	Input Sheet Ln29	10	\$ 2,775.6981	\$ 27,756.9808
10							
11	C.O. Interface DS3 on OC-12	357C	03	Input Sheet Ln17	2	\$ 200.9765	\$ 401.9529
12		357C	09	Input Sheet Ln18	2	\$ 1,628.8540	\$ 3,257.7080
13							
14	Data Communications - OC-12	357C	15	Input Sheet Ln35	2	\$ 128.1268	\$ 256.2536
15							
16	C.O. Connection STS-1 on OC-12	357C	03	Input Sheet Ln10	2	\$ 200.9765	\$ 401.9529
17		357C	06	Input Sheet Ln11	2	\$ 1,873.1821	\$ 3,746.3642
18							
19	AR-Fiber - OC-12 Per Weighted Fiber Mile	822C	00	Input Sheet Ln38	3	\$ 10.2035	\$ 30.6104
20							
21	BU-Fiber - OC-12 Per Weighted Fiber Mile	845C	00	Input Sheet Ln41	3	\$ 2.7984	\$ 8.3953
22							
23	UG-Fiber - OC-12 Per Weighted Fiber Mile	85C	00	Input Sheet Ln44	3	\$ 8.5244	\$ 25.5733
24							
25							
26	Total Material by FRC - Design 7	357C	03	Col G Ln8+Ln11+Ln16			\$ 3,040.3806
27		357C	06	Col G Ln9+Ln17			\$ 31,503.3450
28		357C	09	Col G Ln12			\$ 3,257.7080
29		357C	15	Col G Ln14			\$ 256.2536
30		822C	00	Col G Ln19			\$ 30.6104
31		845C	00	Col G Ln21			\$ 8.3953
32		85C	00	Col G Ln23			\$ 25.5733
33							
34	Probability of Occurrence - Design 7			Input Sheet Ln49		0.022	
35							
36	Weighted Material by FRC - Design 7	357C	03	Col G Ln 26 * Ln 34			\$ 66.8884
37		357C	06	Col G Ln 27 * Ln 34			\$ 693.0736
38		357C	09	Col G Ln 28 * Ln 34			\$ 71.6696
39		357C	15	Col G Ln 29 * Ln 34			\$ 5.6376
40		822C	00	Col G Ln 30 * Ln 34			\$ 0.6734
41		845C	00	Col G Ln 31 * Ln 34			\$ 0.1847
42		85C	00	Col G Ln 32 * Ln 34			\$ 0.5626

001501

	A	B	C	D	E	F	G
1	Tennessee						
2	Interoffice Dedicated Transport DS3					Design 8 - OC-12 Ring	
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.6						
6	Item/Description			Network No		(E)*(F)	
7	Description	FRC	SubFRC	SOURCE	Requested	Amount	Total Mat
8	C.O. Node - OC-3	357C	03	Input Sheet Ln22	3	\$ 274.1497	\$ 822.4490
9		357C	06	Input Sheet Ln23	3	\$ 6,360.5442	\$ 19,081.6327
10							
11	C.O. Interface DS3 on OC-3	357C	03	Input Sheet Ln15	2	\$ 200.9765	\$ 401.9529
12		357C	09	Input Sheet Ln16	2	\$ 1,814.8000	\$ 3,629.6000
13							
14	Data Communications - OC-3	357C	15	Input Sheet Ln34	1	\$ 665.9108	\$ 665.9108
15							
16	AR-Fiber - OC-3 Per Weighted Fiber Mile	822C	00	Input Sheet Ln37	3	\$ 53.0303	\$ 159.0910
17							
18	BU-Fiber - OC-3 Per Weighted Fiber Mile	845C	00	Input Sheet Ln40	3	\$ 14.5442	\$ 43.6325
19							
20	UG-Fiber - OC-3 Per Weighted Fiber Mile	85C	00	Input Sheet Ln43	3	\$ 44.3038	\$ 132.9114
21							
22							
23	Total Material by FRC - Design 8	357C	03	Col G Ln8+Ln11			\$ 1,224.4019
24		357C	06	Col G Ln9			\$ 19,081.6327
25		357C	09	Col G Ln12			\$ 3,629.6000
26		357C	15	Col G Ln14			\$ 665.9108
27		822C	00	Col G Ln16			\$ 159.0910
28		845C	00	Col G Ln18			\$ 43.6325
29		85C	00	Col G Ln20			\$ 132.9114
30							
31	Probability of Occurrence - Design 8			Input Sheet Ln49		0.010	
32							
33	Weighted Material by FRC - Design 8	357C	03	Col G Ln 23 * Ln 31			\$ 12.2440
34		357C	06	Col G Ln 24 * Ln 31			\$ 190.8163
35		357C	09	Col G Ln 25 * Ln 31			\$ 36.2960
36		357C	15	Col G Ln 26 * Ln 31			\$ 6.6591
37		822C	00	Col G Ln 27 * Ln 31			\$ 1.5909
38		845C	00	Col G Ln 28 * Ln 31			\$ 0.4363
39		85C	00	Col G Ln 29 * Ln 31			\$ 1.3291

001502

	A	B	C	D	E	F	G
1	Tennessee						
2	Interoffice Dedicated Transport DS3				Design 9 - OC-3+ Ring		
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.6						
6	Item/Description			Network No		(E)*(F)	
7	Description	FRC	SubFRC	SOURCE	Requested	Amount	Total Mat
8	C.O. Node - OC-3+	357C	03	Input Sheet Ln26	5	\$ 726.6631	\$ 3,633.3154
9		357C	06	Input Sheet Ln27	5	\$ 6,740.6029	\$ 33,703.0146
10							
11	C.O. Interface DS3 on OC-3	357C	03	Input Sheet Ln15	2	\$ 200.9765	\$ 401.9529
12		357C	09	Input Sheet Ln16	2	\$ 1,814.8000	\$ 3,629.6000
13							
14	Data Communications - OC-12	357C	15	Input Sheet Ln35	1	\$ 128.1268	\$ 128.1268
15							
16	AR-Fiber - OC-12 Per Weighted Fiber Mile	822C	00	Input Sheet Ln38	3	\$ 10.2035	\$ 30.6104
17							
18	BU-Fiber - OC-12 Per Weighted Fiber Mile	845C	00	Input Sheet Ln41	3	\$ 2.7984	\$ 8.3953
19							
20	UG-Fiber - OC-12 Per Weighted Fiber Mile	85C	00	Input Sheet Ln44	3	\$ 8.5244	\$ 25.5733
21							
22							
23	Total Material by FRC - Design 9	357C	03	Col G Ln8+Ln11			\$ 4,035.2684
24		357C	06	Col G Ln9			\$ 33,703.0146
25		357C	09	Col G Ln12			\$ 3,629.6000
26		357C	15	Col G Ln14			\$ 128.1268
27		822C	00	Col G Ln16			\$ 30.6104
28		845C	00	Col G Ln18			\$ 8.3953
29		85C	00	Col G Ln20			\$ 25.5733
30							
31	Probability of Occurrence - Design 9			Input Sheet Ln49		0.022	
32							
33	Weighted Material by FRC - Design 9	357C	03	Col G Ln 23 * Ln 31			\$ 88.7759
34		357C	06	Col G Ln 24 * Ln 31			\$ 741.4663
35		357C	09	Col G Ln 25 * Ln 31			\$ 79.8512
36		357C	15	Col G Ln 26 * Ln 31			\$ 2.8188
37		822C	00	Col G Ln 27 * Ln 31			\$ 0.6734
38		845C	00	Col G Ln 28 * Ln 31			\$ 0.1847
39		85C	00	Col G Ln 29 * Ln 31			\$ 0.5626

001503

	A	B	C	D	E	F	G
1	Tennessee						
2	Interoffice Dedicated Transport DS3					Design 10 - OC-48 Ring and OC-3 Ring	
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.6						
6	Item/Description				Network No		(E)*(F)
7	Description	FRC	SubFRC	SOURCE	Requested	Amount	Total Mat
8	OC 48 Ring						
9	C.O. Node - OC-48 (BLSR)	357C	03	Input Sheet Ln32	2	\$ 508.4239	\$ 1,016.8478
10		357C	06	Input Sheet Ln33	2	\$ 1,507.1558	\$ 3,014.3116
11	C.O. Node - OC-48 BLSR Intermed.	357C	03	Input Sheet Ln30	1	\$ 1,003.1703	\$ 1,003.1703
12		357C	06	Input Sheet Ln31	1	\$ 3,014.3116	\$ 3,014.3116
13	C.O. Interface DS3 on OC-48 - Mux & Prot.	357C	06	Input Sheet Ln19	1	\$ 301.0530	\$ 301.0530
14	C.O. Interface DS3 on OC-48 - Working	357C	03	Input Sheet Ln20	1	\$ 200.9765	\$ 200.9765
15		357C	09	Input Sheet Ln21	1	\$ 840.7000	\$ 840.7000
16	Data Communications - OC-48	357C	15	Input Sheet Ln36	1	\$ 39.9004	\$ 39.9004
17	C.O. Connection STS-1 on OC-48 - Mux & Prot.	357C	06	Input Sheet Ln12	1	\$ 603.2541	\$ 603.2541
18	C.O. Connection STS-1 on OC-48 - Working	357C	03	Input Sheet Ln13	1	\$ 200.9765	\$ 200.9765
19		357C	09	Input Sheet Ln14	1	\$ 877.1000	\$ 877.1000
20	AR-Fiber - OC-48 BLSR Per Weighted Fiber Mile	822C	00	Input Sheet Ln39	3	\$ 3.1775	\$ 9.5325
21	BU-Fiber - OC-48 BLSR Per Weighted Fiber Mile	845C	00	Input Sheet Ln42	3	\$ 0.8715	\$ 2.6144
22	UG-Fiber - OC-48 BLSR Per Weighted Fiber Mile	85C	00	Input Sheet Ln45	3	\$ 2.6546	\$ 7.9639
23							
24	OC48 Ring Material by FRC - Design 10	357C	03	Col G Ln9+Ln11+Ln14+Ln18			\$ 2,421.9711
25		357C	06	Col G Ln10+Ln12+Ln13+Ln17			\$ 6,932.9303
26		357C	09	Col G Ln15+Ln19			\$ 1,717.8000
27		357C	15	Col G Ln16			\$ 39.9004
28		822C	00	Col G Ln20			\$ 9.5325
29		845C	00	Col G Ln21			\$ 2.6144
30		85C	00	Col G Ln22			\$ 7.9639
31	OC 3 Ring						
32	C.O. Node - OC-3	357C	03	Input Sheet Ln22	3	\$ 274.1497	\$ 822.4490
33		357C	06	Input Sheet Ln23	3	\$ 6,360.5442	\$ 19,081.6327
34	C.O. Interface DS3 on OC-3	357C	03	Input Sheet Ln15	1	\$ 200.9765	\$ 200.9765
35		357C	09	Input Sheet Ln16	1	\$ 1,814.8000	\$ 1,814.8000
36	Data Communications - OC-3	357C	15	Input Sheet Ln34	1	\$ 665.9108	\$ 665.9108
37	C.O. Connection STS-1 on OC-3	357C	03	Input Sheet Ln8	1	\$ 200.9765	\$ 200.9765
38		357C	06	Input Sheet Ln9	1	\$ 1,971.2000	\$ 1,971.2000
39	AR-Fiber - OC-3 Per Weighted Fiber Mile	822C	00	Input Sheet Ln37	3	\$ 53.0303	\$ 159.0910
40	BU-Fiber - OC-3 Per Weighted Fiber Mile	845C	00	Input Sheet Ln40	3	\$ 14.5442	\$ 43.6325
41	UG-Fiber - OC-3 Per Weighted Fiber Mile	85C	00	Input Sheet Ln43	3	\$ 44.3038	\$ 132.9114
42							
43	OC3 Ring Material by FRC - Design 10	357C	03	Col G Ln32+Ln34+Ln37			\$ 1,224.4019
44		357C	06	Col G Ln33+Ln38			\$ 21,052.8327
45		357C	09	Col G Ln35			\$ 1,814.8000
46		357C	15	Col G Ln36			\$ 665.9108
47		822C	00	Col G Ln39			\$ 159.0910
48		845C	00	Col G Ln40			\$ 43.6325
49		85C	00	Col G Ln41			\$ 132.9114
50							
51	TOTAL MATERIAL by FRC - Design 10	357C	03	Col G Ln24+Ln43			\$ 3,646.3730
52		357C	06	Col G Ln25+Ln44			\$ 27,985.7629
53		357C	09	Col G Ln26+Ln45			\$ 3,532.6000
54		357C	15	Col G Ln27+Ln46			\$ 705.8112
55		822C	00	Col G Ln28+Ln47			\$ 168.6235
56		845C	00	Col G Ln29+Ln48			\$ 46.2469
57		85C	00	Col G Ln30+Ln49			\$ 140.8753
58							
59	Probability of Occurrence - Design 10			Input Sheet Ln49		0.020	
60							
61	Weighted Material by FRC - Design 10	357C	03	Col G Ln 51 * Ln 59			\$ 72.9275
62		357C	06	Col G Ln 52 * Ln 59			\$ 559.7153
63		357C	09	Col G Ln 53 * Ln 59			\$ 70.6520
64		357C	15	Col G Ln 54 * Ln 59			\$ 14.1162
65		822C	00	Col G Ln 55 * Ln 59			\$ 3.3725
66		845C	00	Col G Ln 56 * Ln 59			\$ 0.9249
67		85C	00	Col G Ln 57 * Ln 59			\$ 2.8175

001504

	A	B	C	D	E	F	G
1	Tennessee						
2	Interoffice Dedicated Transport DS3						Design 11 - OC-12 Ring and OC-3 Ring
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.6						
6	Item/Description				Network No		(E)*(F)
7	Description	FRC	SubFRC	SOURCE	Requested	Amount	Total Mat
8	OC 12 Ring						
9	C.O. Node - OC-12	357C	03	Input Sheet Ln28	4	\$ 223.6475	\$ 894.5899
10		357C	06	Input Sheet Ln29	4	\$ 2,775.6981	\$ 11,102.7923
11	C.O. Interface DS3 on OC-12	357C	03	Input Sheet Ln17	1	\$ 200.9765	\$ 200.9765
12		357C	09	Input Sheet Ln18	1	\$ 1,628.8540	\$ 1,628.8540
13	Data Communications - OC-12	357C	15	Input Sheet Ln35	1	\$ 128.1268	\$ 128.1268
14	C.O. Connection STS-1 on OC-12	357C	03	Input Sheet Ln10	1	\$ 200.9765	\$ 200.9765
15		357C	06	Input Sheet Ln11	1	\$ 1,873.1821	\$ 1,873.1821
16	AR-Fiber - OC-12 Per Weighted Fiber Mile	822C	00	Input Sheet Ln38	3	\$ 10.2035	\$ 30.6104
17	BU-Fiber - OC-12 Per Weighted Fiber Mile	845C	00	Input Sheet Ln41	3	\$ 2.7984	\$ 8.3953
18	UG-Fiber - OC-12 Per Weighted Fiber Mile	85C	00	Input Sheet Ln44	3	\$ 8.5244	\$ 25.5733
19							
20	OC12 Ring Material by FRC - Design 11	357C	03	Col G,Ln9+Ln11+Ln14			\$ 1,296.5428
21		357C	06	Col G,Ln10+Ln15			\$ 12,975.9744
22		357C	09	Col G Ln12			\$ 1,628.8540
23		357C	15	Col G Ln13			\$ 128.1268
24		822C	00	Col G Ln16			\$ 30.6104
25		845C	00	Col G Ln17			\$ 8.3953
26		85C	00	Col G Ln18			\$ 25.5733
27	OC 3 Ring						
28	C.O. Node - OC-3	357C	03	Input Sheet Ln22	3	\$ 274.1497	\$ 822.4490
29		357C	06	Input Sheet Ln23	3	\$ 6,360.5442	\$ 19,081.6327
30	C.O. Interface DS3 on OC-3	357C	03	Input Sheet Ln15	1	\$ 200.9765	\$ 200.9765
31		357C	09	Input Sheet Ln16	1	\$ 1,814.8000	\$ 1,814.8000
32	Data Communications - OC-3	357C	15	Input Sheet Ln34	1	\$ 665.9108	\$ 665.9108
33	C.O. Connection STS-1 on OC-3	357C	03	Input Sheet Ln8	1	\$ 200.9765	\$ 200.9765
34		357C	06	Input Sheet Ln9	1	\$ 1,971.2000	\$ 1,971.2000
35	AR-Fiber - OC-3 Per Weighted Fiber Mile	822C	00	Input Sheet Ln37	3	\$ 53.0303	\$ 159.0910
36	BU-Fiber - OC-3 Per Weighted Fiber Mile	845C	00	Input Sheet Ln40	3	\$ 14.5442	\$ 43.6325
37	UG-Fiber - OC-3 Per Weighted Fiber Mile	85C	00	Input Sheet Ln43	3	\$ 44.3038	\$ 132.9114
38							
39	OC3 Ring Material by FRC - Design 11	357C	03	Col G,Ln28+Ln30+Ln33			\$ 1,224.4019
40		357C	06	Col G,Ln29+Ln34			\$ 21,052.8327
41		357C	09	Col G Ln31			\$ 1,814.8000
42		357C	15	Col G Ln32			\$ 665.9108
43		822C	00	Col G Ln35			\$ 159.0910
44		845C	00	Col G Ln36			\$ 43.6325
45		85C	00	Col G Ln37			\$ 132.9114
46							
47	TOTAL MATERIAL by FRC - Design 11	357C	03	Col G,Ln20+Ln39			\$ 2,520.9447
48		357C	06	Col G,Ln21+Ln40			\$ 34,028.8071
49		357C	09	Col G,Ln22+Ln41			\$ 3,443.6540
50		357C	15	Col G,Ln23+Ln42			\$ 794.0376
51		822C	00	Col G,Ln24+Ln43			\$ 189.7014
52		845C	00	Col G,Ln25+Ln44			\$ 52.0278
53		85C	00	Col G,Ln26+Ln45			\$ 158.4847
54							
55	Probability of Occurrence - Design 11			Input Sheet Ln49		0.010	
56							
57	Weighted Material by FRC - Design 11	357C	03	Col G Ln 47 * Ln 55			\$ 25.2094
58		357C	06	Col G Ln 48 * Ln 55			\$ 340.2881
59		357C	09	Col G Ln 49 * Ln 55			\$ 34.4365
60		357C	15	Col G Ln 50 * Ln 55			\$ 7.9404
61		822C	00	Col G Ln 51 * Ln 55			\$ 1.8970
62		845C	00	Col G Ln 52 * Ln 55			\$ 0.5203
63		85C	00	Col G Ln 53 * Ln 55			\$ 1.5848

001505

	A	B	C	D	E	F	G
1	Tennessee						
2	Interoffice Dedicated Transport DS3			Design 12 - OC-3 Point to Point			
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.6						
6	Item/Description			Network No		(E)*(F)	
7	Description	FRC	SubFRC	SOURCE	Requested	Amount	Total Mat
8	C.O. Node - OC-3 Term (Pt. to Pt.)	357C	03	Input Sheet Ln24	2	\$ 274.3587	\$ 548.7174
9		357C	06	Input Sheet Ln25	2	\$ 5,387.8512	\$ 10,775.7024
10							
11	C.O. Interface DS3 on OC-3	357C	03	Input Sheet Ln15	2	\$ 200.9765	\$ 401.9529
12		357C	09	Input Sheet Ln16	2	\$ 1,814.8000	\$ 3,629.6000
13							
14	AR-Fiber - OC-3 Per Weighted Fiber Mile	822C	00	Input Sheet Ln37	6	\$ 53.0303	\$ 318.1819
15							
16	BU-Fiber - OC-3 Per Weighted Fiber Mile	845C	00	Input Sheet Ln40	6	\$ 14.5442	\$ 87.2651
17							
18	UG-Fiber - OC-3 Per Weighted Fiber Mile	85C	00	Input Sheet Ln43	6	\$ 44.3038	\$ 265.8229
19							
20							
21	Total Material by FRC - Design 12	357C	03	Col G,Ln8+Ln11			\$ 950.6703
22		357C	06	Col G,Ln9			\$ 10,775.7024
23		357C	09	Col G Ln12			\$ 3,629.6000
24		822C	00	Col G Ln14			\$ 318.1819
25		845C	00	Col G Ln16			\$ 87.2651
26		85C	00	Col G Ln18			\$ 265.8229
27							
28	Probability of Occurrence - Design 12			Input Sheet Ln49		0.000	
29							
30	Weighted Material by FRC - Design 12	357C	03	Col G Ln 21 * Ln 28			\$ -
31		357C	06	Col G Ln 22 * Ln 28			\$ -
32		357C	09	Col G Ln 23 * Ln 28			\$ -
33		822C	00	Col G Ln 24 * Ln 28			\$ -
34		845C	00	Col G Ln 25 * Ln 28			\$ -
35		85C	00	Col G Ln 26 * Ln 28			\$ -

001506

	A	B	C	D	E	F	G
1	Tennessee						
2	Interoffice Dedicated Transport DS3					Design 13 - OC-3 Point to Point	
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.6						
6	Item/Description				Network No		(E)*(F)
7	Description	FRC	SubFRC	SOURCE	Requested	Amount	Total Mat
8	C.O. Node - OC-3 Term (Pt. to Pt.)	357C	03	Input Sheet Ln24	4	\$ 274.3587	\$ 1,097.4347
9		357C	06	Input Sheet Ln25	4	\$ 5,387.8512	\$ 21,551.4047
10							
11	C.O. Interface DS3 on OC-3	357C	03	Input Sheet Ln15	4	\$ 200.9765	\$ 803.9059
12		357C	09	Input Sheet Ln16	4	\$ 1,814.8000	\$ 7,259.2000
13							
14	AR-Fiber - OC-3 Per Weighted Fiber Mile	822C	00	Input Sheet Ln37	6	\$ 53.0303	\$ 318.1819
15							
16	BU-Fiber - OC-3 Per Weighted Fiber Mile	845C	00	Input Sheet Ln40	6	\$ 14.5442	\$ 87.2651
17							
18	UG-Fiber - OC-3 Per Weighted Fiber Mile	85C	00	Input Sheet Ln43	6	\$ 44.3038	\$ 265.8229
19							
20							
21	Total Material by FRC - Design 13	357C	03	Col G Ln8+Ln11			\$ 1,901.3406
22		357C	06	Col G Ln9			\$ 21,551.4047
23		357C	09	Col G Ln12			\$ 7,259.2000
24		822C	00	Col G Ln14			\$ 318.1819
25		845C	00	Col G Ln16			\$ 87.2651
26		85C	00	Col G Ln18			\$ 265.8229
27							
28	Probability of Occurrence - Design 13			Input Sheet Ln49		0.000	
29							
30	Weighted Material by FRC - Design 13	357C	03	Col G Ln 21 * Ln 28			\$ -
31		357C	06	Col G Ln 22 * Ln 28			\$ -
32		357C	09	Col G Ln 23 * Ln 28			\$ -
33		822C	00	Col G Ln 24 * Ln 28			\$ -
34		845C	00	Col G Ln 25 * Ln 28			\$ -
35		85C	00	Col G Ln 26 * Ln 28			\$ -

001507

A	B	C	D	E	F	G	H	I	J	K
1	Tennessee									
2	Index Sheet									
3	Study Period: 01/2000 - 12/2002									
4										
5										
6										
7										
8										
9		Sheet Name:	Description:							
10		Index	IO_OC_3							
11		Investments	CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA							
12		Additives_Recurring	CALCULATOR INPUT FORM - RECURRING EXPENSES DATA							
13		Additives_Nonrecurring	CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA							
14		Recurring Labor	CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA							
15		Nonrecurring Labor	CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES							
16		INPUT	Interoffice Dedicated Transport							
17		INPUT_NRC	NON RECURRING LABOR							
18		WP200	SUMMARY							
19		WP300	DESIGN 1							
20		WP301	DESIGN 2							
21		WP302	DESIGN 3							
22		WP303	DESIGN 4							
23		WP304	DESIGN 5							
24		WP305	DESIGN 6							
25		WP306	DESIGN 7							
26										
27										
28										
29										
30										
31										

001508

	A	B	C	D	E	F	G	H	I	J
1	CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA									
2										
3	Instructions:									
4	1. Use this worksheet to record material and/or investments to be input into the									
5	Calculator calculations.									
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).									
7	3. Input data, by Cost Element, leaving no blank lines. On next row									
8	after last line of data, type END in Cost Element Column.									
9	4. All data on this form should be cell-referenced to study workpapers.									
10	5. Do NOT change columns, headings, sheet name.									
11										
12										
13										
14	State	Cost	Element #	FRC	Sub	FRC	Volume Sensitive \$ Amount	Volume Insensitive \$ Amount		
15	TN	D.7.2	357C	03			\$ 9,758,877			
16	TN	D.7.2	357C	06			\$ 32,681,936			
17	TN	D.7.2	357C	09			\$ 21,630,688			
18	TN	D.7.2	357C	15			\$ 215,453			
19	TN	D.7.1	822C	00			\$ 45,045			
20	TN	D.7.1	845C	00			\$ 12,354			
21	TN	D.7.1	85C	00			\$ 37,633			
22	END									
23										
24										
25										

001509

A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - RECURRING EXPENSES DATA						
2	Instructions: 1. Use this worksheet to record recurring non-labor expenses to be input into the Calculator calculations. 2. All amounts shown are per unit (e.g., per call, per loop, per MOU). 3. Input data, by Cost Element, leaving no blank lines. On next row after last line of data, type END in Cost Element Column. 4. All data on this form should be cell-referenced to study workpapers. 5. Do NOT change columns, headings, sheet name.						
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17	<u>State</u>	<u>Cost Element #</u>	<u>Recurring Expense Description (Limited to 25 characters)</u>	<u>Recurring Volume Sensitive \$ Amount</u>	<u>Recurring Volume Insensitive \$ Amount</u>		
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28	Maximum 10 entries per Cost Element #						
29							
30							

001510

A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA						
2							
3	Instructions:						
4	1. Use this worksheet to record nonrecurring non-labor expenses to be input into the Calculator calculations.						
5	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
6	3. Input data, by Cost Element, leaving no blank lines. On next row						
7	after last line of data, type END in Cost Element Column.						
8	4. All data on this form should be cell-referenced to study workpapers.						
9	5. Do NOT change columns, headings, sheet name.						
10	6. Use column D when cost element has a single nonrecurring cost; use columns E & F for elements with a first						
11	and additional nonrecurring cost; use columns G & H for elements with an initial and subsequent nonrecurring cost.						
12							
13							
14							
15							
16	<u>State</u>	<u>Cost</u>	<u>Nonrecurring</u>	<u>Nonrecurring</u>	<u>Nonrecurring</u>	<u>Nonrecurring</u>	<u>Nonrecurring</u>
17	<u>Element #</u>	<u>Expense Description</u>	<u>\$ Amount</u>	<u>First</u>	<u>Additional</u>	<u>Initial</u>	<u>Subsequent</u>
18		<u>(Limited to 25 characters)</u>		<u>\$ Amount</u>	<u>\$ Amount</u>	<u>\$ Amount</u>	<u>\$ Amount</u>
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Maximum 10 entries per Cost Element #

001511

A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA						
2							
3	Instructions:						
4	1. Use this worksheet to record recurring expensed labor times to be input into the						
5	Calculator calculations.						
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
7	3. Input data, by Cost Element, leaving no blank lines. On next row						
8	after last line of data, type END in Cost Element Column.						
9	4. All data on this form should be cell-referenced to study workpapers.						
10	5. Do NOT change columns, headings, sheet name.						
11							
12							
13							
14	<u>State</u>	<u>Cost</u>	<u>Labor Expense Description</u>	<u>JFC/</u>	<u>Work Time (Hours)</u>	<u>Volume</u>	<u>Volume</u>
15	<u>Element #</u>		<u>(Limited to 25 characters)</u>	<u>Payband</u>	<u>Sensitive</u>	<u>Insensitive</u>	
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
				Maximum 20 entries per Cost Element #			

001512

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES														
Instructions:														
1. Use this worksheet to record nonrecurring labor times to be input into the Calculator calculations.														
2. All amounts shown are per unit (e.g., per call, per loop, per MOU).														
3. Input data, by Cost Element, leaving no blank lines. On next row after last line of data, type END in Cost Element Column.														
4. All data on this form should be call-referenced to study worksheets.														
5. Do NOT change columns, headings, sheet name.														
6. Use columns F & G when cost element has a single nonrecurring cost; use columns H, I, J, & K for elements with a first and additional nonrecurring cost; use columns L, M, N & O for elements with an initial and subsequent nonrecurring cost.														
7. Input Cost Element Life (in months) on first row of data for each cost element. It is not necessary to repeat on each line.														
Study Mid-Point Date (Mos.) 6/1/2001														
State	Cost Element #	Cost Element Life (Mo)	Labor Expense Description (Limited to 25 characters)	JFC Payband	(For use w/ one NR)	First Installation Time (Hours)	First Disconnect Time (Hours)	Additional Installation Time (Hours)	Additional Disconnect Time (Hours)	Initial Installation Time (Hours)	Initial Disconnect Time (Hours)	Subsequent Installation Time (Hours)	Subsequent Disconnect Time (Hours)	
21 TN	D.7.2	52	Connect	431X		1.4920	0.0000	1.4920	0.0000					
22 TN	D.7.2	52	Connect	4AXX		0.9500	0.0000	0.9500	0.0000					
23 TN	D.7.298	52	Test	431X		2.2380	0.0000	2.2380	0.0000					
24 TN	D.7.298	52	Test	4AXX		0.9500	0.0000	0.9500	0.0000					
25 TN	D.7.2	52	Engineering	4N4X		0.1118	0.0000	0.0000	0.0000					
26 TN	D.7.2	52	Engineering	3A2X		0.0333	0.0000	0.0000	0.0000					
27 TN	D.7.2	52	Engineering	4N4X		1.6640	0.0000	1.6640	0.0000					
28 TN	D.7.2	52	Service Inquiry	SDWC		2.0000	0.0000	0.0000	0.0000					
29 TN	D.7.2	52	Service Inquiry	3AXX		8.0000	0.0000	0.0000	0.0000					
30 TN	D.7.2	52	Service Order	230X		0.0175	0.0000	0.0175	0.0000					
31 TN	D.7.2	52	Service Order	4AXX		0.0600	0.0000	0.0600	0.0000					
32 TN	D.7.2	52	Service Order	4WXX		0.2500	0.0000	0.0500	0.0000					
33 TN	D.7.2	52	Service Order	430X		0.1333	0.0000	0.0833	0.0000					
34 TN	D.7.3	52	Service Order	230X		1.1783	0.0000	1.1783	0.0000					
35 TN	D.7.299	52	Connect	431X		0.0000	1.5966	0.0000	1.5966					
36 TN	D.7.299	52	Engineering	4N4X		0.0000	0.0412	0.0000	0.0000					
37 TN	D.7.299	52	Engineering	3A2X		0.0000	0.0333	0.0000	0.0000					
38 TN	D.7.299	52	Engineering	4N4X		0.0000	0.2626	0.0000	0.0000					
39 TN	D.7.299	52	Service Order	230X		0.0000	0.0175	0.0000	0.0175					
40 TN	D.7.299	52	Service Order	4AXX		0.0000	0.1800	0.0000	0.1800					
41 TN	D.7.299	52	Service Order	430X		0.0000	0.1166	0.0000	0.1166					
42 TN	D.7.399	52	Service Order	230X		0.0000	0.5100	0.0000	0.5100					
43	END													
44														
45														
46														
47														

Maximum of 25 entries per Cost Element #

A		B	C	D	E	F	G	H	I	J	K	L	M
1	Tennessee												
2	Interface Dedicated Transport												
3	Study Period: 01/2000 - 12/2002												
4													
5	Element #: D.7												
6	Item/Description	FRC	SubFRC	Source	Amount	1	2	3	4	5	6	7	
7	Description												
8	CO Connections OC3 ON OC12	357C	09	SONET Price Calculator	\$ 3,561.8000					1		2	
9	CO Connections OC3 ON OC48	357C	09	SONET Price Calculator	\$ 6,543.9000		2	4	4	1			
10													
11	C.O. Interface OC3 on OC12	357C	09	SONET Price Calculator	\$ 3,561.8000					1		2	
12	C.O. Interface OC3 ON OC48	357C	09	SONET Price Calculator	\$ 6,543.9000	2	2	2	2	1			
13													
14	C.O. Node - OC-12	357C	03	SONET Price Calculator	\$ 670.9424					4	4	10	
15	C.O. Node - OC-12	357C	06	SONET Price Calculator	\$ 8,327.0942					4	4	10	
16	C.O. Node - OC-48 BLSR Intermed.	357C	03	SONET Price Calculator	\$ 2,887.5000	1	2	2	5	1			
17	C.O. Node - OC-48 BLSR Intermed.	357C	06	SONET Price Calculator	\$ 8,936.9565	1	2	2	5	1			
18	C.O. Node - OC-48 (BLSR)	357C	03	SONET Price Calculator	\$ 1,458.6141	2	4	6	6	2			
19	C.O. Node - OC-48 (BLSR)	357C	06	SONET Price Calculator	\$ 4,468.4783	2	4	6	6	2			
20													
21	Data Communications - OC-12	357C	15	SONET Price Calculator	\$ 384.3805					1	1	2	
22	Data Communications - OC-48	357C	15	SONET Price Calculator	\$ 119.7011	1	2	2	3	1			
23													
24	LGX - OC-48 (per fiber port)	357C	03	SONET Price Calculator	\$ 9.9185	6	12	18	18	6	6	12	
25	LGX - OC-12 (per fiber port)	357C	03	SONET Price Calculator	\$ 15.9250					6			
26	Pigtail - OC-48 (fiber jumper)	357C	03	SONET Price Calculator	\$ 8.1522	6	12	18	18	6	6	12	
27	Pigtail - OC-12 (fiber jumper)	357C	03	SONET Price Calculator	\$ 13.0890					6			
28													
29	AR-Fiber - OC-12 Per Weighted Fiber Mile	822C	00	SONET Price Calculator	\$ 30.6104								
30	AR-Fiber - OC-48 BLSR Per Weighted Fiber Mile	822C	00	SONET Price Calculator	\$ 9.5325								
31													
32	BU-Fiber - OC-12 Per Weighted Fiber Mile	845C	00	SONET Price Calculator	\$ 8.3953								
33	BU-Fiber - OC-48 BLSR Per Weighted Fiber Mile	845C	00	SONET Price Calculator	\$ 2.6144								
34													
35	UG-Fiber - OC-12 Per Weighted Fiber Mile	85C	00	SONET Price Calculator	\$ 25.5733								
36	UG-Fiber - OC-48 BLSR Per Weighted Fiber Mile	85C	00	SONET Price Calculator	\$ 7.9639								
37													
38	# Fiber strands - OC-3			Network		3	3	3	3	3	3	3	
39	# Fiber strands - OC-12			Network		3	3	3	3	3	3	3	
40	# Fiber strands - OC-48			Network		3	3	3	3	3	3	3	
41													
42	Probability of Occurrence			Network		0.4941	0.1651	0.1651	0.0820	0.0234	0.0469	0.0234	1.0000
43													
44	Route to Air Ratio			TIRKS	1.28								

001514

A		B	C	D	E	F	G	H
1	Tennessee							
2	NON RECURRING LABOR							
3	Study Period: 01/2000 - 12/2002							
4								
5	Element #: D.7							
6	Item/Description							
7	Work Group	Description	JFC / JG / WS	Source	First Install Time Hrs	First Disconnect Time Hrs	Additional Install Time Hrs	Additional Disconnect Time Hrs
8	CO INSTALL & MTCE CKT & FAC (NTEL)	Connect	431X	Network	1.4920	1.5966	1.4920	1.5966
9	ACCESS CUSTOMER ADVOCATE CENTER (UNEC)	Connect	4AXX	Network	0.9500	0.0000	0.9500	0.0000
10	CO INSTALL & MTCE CKT & FAC (NTEL)	Test	431X	Network	2.2380	0.0000	2.2380	0.0000
11	ACCESS CUSTOMER ADVOCATE CENTER (UNEC)	Test	4AXX	Network	0.9500	0.0000	0.9500	0.0000
12	CIRCUIT PROVISIONING GROUP (CPG)	Engineering	4N4X	Network	0.1118	0.0412	0.0000	0.0000
13	NETWORK PLANNING & ENGINEERING (PICS)	Engineering	3A2X	Network	0.0333	0.0333	0.0000	0.0000
14	CIRCUIT PROVISIONING GROUP (CPG)	Engineering	4N4X	Network	1.6640	0.2626	1.6640	0.2626
15	COMPLEX RESALE SUPPORT GROUP (CRSG)	Service Inquiry	SDWC	Network	2.0000	0.0000	0.0000	0.0000
16	NETWORK PLANNING & ENGINEERING (FG20)	Service Inquiry	34XX	Network	8.0000	0.0000	0.0000	0.0000
17	CUSTOMER POINT OF CONTACT (LCSC)	Service Order	230X	Network	0.0175	0.0175	0.0175	0.0175
18	ACCESS CUSTOMER ADVOCATE CENTER (UNEC)	Service Order	4AXX	Network	0.0600	0.1800	0.0600	0.1800
19	WORK MANAGEMENT CENTER	Service Order	4WXX	Network	0.2500	0.0000	0.0500	0.0000
20	CO INSTALL & MTCE-SWITCH EQUIP	Service Order	430X	Network	0.1333	0.1166	0.0833	0.1166
21	CUSTOMER POINT OF CONTACT (LCSC) MANUAL	Service Order	230X	Network	1.1783	0.5100	1.1783	0.5100
22	Cost element Life (Months) =	52		LocLife.xls				
23	For LCSC work times longer than the standard half hour the manual work times below apply.							
24								
25								
26								
27		1.1958 - .0175 =	1.1783					
28		.5275 - .0175 =	0.5100					
29		1.1958 - .0175 =	1.1783					
30		.5275 - .0175 =	0.5100					

001515

	A	B	C	D	E	F
1	Tennessee					
2	Interoffice Dedicated Transport OC_3					
3	Study Period: 01/2000 - 12/2002					
4						
5	Element #: D.7					
6						
7	Facility Terminations Weighted Material					
8		FRC	Sub FRC	Sub FRC	Sub FRC	Sub FRC
9		357C	03	06	09	15
10						SOURCE
11	Design 1	\$ 2,921.688	\$ 8,831.500	\$ 6,466.682	\$ 59.144	Wp300, Col G, Ln 39 thru 42
12	Design 2	\$ 1,952.523	\$ 5,901.966	\$ 4,321.592	\$ 39.525	Wp301, Col G, Ln 41 thru 44
13	Design 3	\$ 2,452.058	\$ 7,377.458	\$ 6,482.387	\$ 39.525	Wp302, Col G, Ln 41 thru 44
14	Design 4	\$ 1,928.185	\$ 5,862.643	\$ 3,219.599	\$ 29.446	Wp303, Col G, Ln 41 thru 44
15	Design 5	\$ 205.242	\$ 1,197.666	\$ 472.947	\$ 11.796	Wp304, Col G, Ln 60 thru 63
16	Design 6	\$ 134.033	\$ 1,562.163	\$ 334.097	\$ 18.027	Wp305, Col G, Ln 37 thru 40
17	Design 7	\$ 165.148	\$ 1,948.540	\$ 333.384	\$ 17.989	Wp306, Col G, Ln 39 thru 42
18						
19	Total	\$ 9,758.877	\$ 32,681.936	\$ 21,630.688	\$ 215.453	Ln 11 thru Ln 17
20						
21						
22						
23						
24	Per Mile Weighted Material (Route Distance)					
25						
26		822C	845C	85C		
27		Sub FRC 00	Sub FRC 00	Sub FRC 00		
28						
29	Design 1	\$ 14.130	\$ 3.875	\$ 11.805		Wp300, Col G, Ln 43 thru 45
30	Design 2	\$ 4.721	\$ 1.295	\$ 3.944		Wp301, Col G, Ln 45 thru 47
31	Design 3	\$ 4.721	\$ 1.295	\$ 3.944		Wp302, Col G, Ln 45 thru 47
32	Design 4	\$ 2.345	\$ 0.643	\$ 1.959		Wp303, Col G, Ln 45 thru 47
33	Design 5	\$ 2.818	\$ 0.773	\$ 2.354		Wp304, Col G, Ln 64 thru 66
34	Design 6	\$ 4.307	\$ 1.181	\$ 3.598		Wp305, Col G, Ln 41 thru 43
35	Design 7	\$ 2.149	\$ 0.589	\$ 1.795		Wp306, Col G, Ln 43 thru 45
36						
37						
38	Route to Air Ratio	1.28	1.28	1.28		Input Sheet Ln 44
39						
40						
41	Per Mile Weighted Material (Air Mile Distance)					
42						
43		822C	845C	85C		
44		Sub FRC 00	Sub FRC 00	Sub FRC 00		
45						
46	Design 1	\$ 18.086	\$ 4.960	\$ 15.110		Ln 29 * Ln 38
47	Design 2	\$ 6.043	\$ 1.657	\$ 5.049		Ln 30 * Ln 38
48	Design 3	\$ 6.043	\$ 1.657	\$ 5.049		Ln 31 * Ln 38
49	Design 4	\$ 3.002	\$ 0.823	\$ 2.508		Ln 32 * Ln 38
50	Design 5	\$ 3.607	\$ 0.989	\$ 3.014		Ln 33 * Ln 38
51	Design 6	\$ 5.513	\$ 1.512	\$ 4.606		Ln 34 * Ln 38
52	Design 7	\$ 2.751	\$ 0.754	\$ 2.298		Ln 35 * Ln 38
53						
54	Material Per Air Mile	\$ 45.045	\$ 12.354	\$ 37.633		Ln 46 thru 52

001516

	A	B	C	D	E	F	G
1	Tennessee				Design 1	OC-48 Ring	
2	Interoffice Dedicated Transport OC_3						
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.7						
6	Item/Description				Network No		(E)*(F)
7	Description	FRC	SubFRC	Source	Requested	Amount	Total Mat
8	C.O. Node - OC-48 (BLSR)	357C	03	Input Sheet Ln 18	2	\$ 1,458.61	\$ 2,917.228
9		357C	06	Input Sheet Ln 19	2	\$ 4,468.48	\$ 8,936.957
10							
11	C.O. Node - OC-48 BLSR Intermed.	357C	03	Input Sheet Ln 16	1	\$ 2,887.50	\$ 2,887.500
12		357C	06	Input Sheet Ln 17	1	\$ 8,936.96	\$ 8,936.957
13							
14	C.O. Interface OC3 ON OC48	357C	09	Input Sheet Ln 12	2	\$ 6,543.90	\$ 13,087.800
15							
16	Data Communications - OC-48	357C	15	Input Sheet Ln 22	1	\$ 119.70	\$ 119.701
17							
18	LGX - OC-48 (per fiber port)	357C	03	Input Sheet Ln 24	6	\$ 9.92	\$ 59.511
19							
20	Pigtail - OC-48 (fiber jumper)	357C	03	Input Sheet Ln 26	6	\$ 8.15	\$ 48.913
21							
22	AR-Fiber - OC-48 BLSR Per Weighted Fiber Mile	822C	00	Input Sheet Ln 30	3	\$ 9.53	\$ 28.597
23							
24	BU-Fiber - OC-48 BLSR Per Weighted Fiber Mile	845C	00	Input Sheet Ln 33	3	\$ 2.61	\$ 7.843
25							
26	UG-Fiber - OC-48 BLSR Per Weighted Fiber Mile	85C	00	Input Sheet Ln 36	3	\$ 7.96	\$ 23.892
27							
28							
29	Total Material by FRC - Design 1	357C	03	Col G, Ln 8+Ln11+Ln18+Ln20			\$ 5,913.152
30		357C	06	Col G, Ln 9 + Ln 12			\$ 17,873.913
31		357C	09	Col G, Ln 14			\$ 13,087.800
32		357C	15	Col G, Ln 16			\$ 119.701
33		822C	00	Col G, Ln 22			\$ 28.597
34		845C	00	Col G, Ln 24			\$ 7.843
35		85C	00	Col G, Ln 26			\$ 23.892
36							
37	Probability of Occurrence - Design 1			Input Sheet Ln 42		0.4941	
38							
39	Weighted Material by FRC - Design 1	357C	03	Col G, Ln 29 * Col F, Ln 37			\$ 2,921.688
40		357C	06	Col G, Ln 30 * Col F, Ln 37			\$ 8,831.500
41		357C	09	Col G, Ln 31 * Col F, Ln 37			\$ 6,466.682
42		357C	15	Col G, Ln 32 * Col F, Ln 37			\$ 59.144
43		822C	00	Col G, Ln 33 * Col F, Ln 37			\$ 14.130
44		845C	00	Col G, Ln 34 * Col F, Ln 37			\$ 3.875
45		85C	00	Col G, Ln 35 * Col F, Ln 37			\$ 11.805

001517

	A	B	C	D	E	F	G
1	Tennessee				Design 2	OC-48 Ring	
2	Interoffice Dedicated Transport OC_3						
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.7						
6	Item/Description			Network No		(E)*(F)	
7	Description	FRC	SubFRC	SOURCE	Requested	Amount	Total Mat
8	C.O. Node - OC-48 (BLSR)	357C	03	Input Sheet Ln 18	4	\$ 1,458.61	\$ 5,834.457
9		357C	06	Input Sheet Ln 19	4	\$ 4,468.48	\$ 17,873.913
10							
11	C.O. Node - OC-48 BLSR Intermed.	357C	03	Input Sheet Ln 16	2	\$ 2,887.50	\$ 5,775.000
12		357C	06	Input Sheet Ln 17	2	\$ 8,936.96	\$ 17,873.913
13							
14	C.O. Interface OC3 ON OC48	357C	09	Input Sheet Ln 12	2	\$ 6,543.90	\$ 13,087.800
15							
16	Data Communications - OC-48	357C	15	Input Sheet Ln 22	2	\$ 119.70	\$ 239.402
17							
18	CO Connections OC3 ON OC48	357C	09	Input Sheet Ln 9	2	\$ 6,543.90	\$ 13,087.800
19							
20	LGX - OC-48 (per fiber port)	357C	03	Input Sheet Ln 24	12	\$ 9.92	\$ 119.022
21							
22	Pigtail - OC-48 (fiber jumper)	357C	03	Input Sheet Ln 26	12	\$ 8.15	\$ 97.826
23							
24	AR-Fiber - OC-48 BLSR Per Weighted Fiber Mile	822C	00	Input Sheet Ln 30	3	\$ 9.53	\$ 28.597
25							
26	BU-Fiber - OC-48 BLSR Per Weighted Fiber Mile	845C	00	Input Sheet Ln 33	3	\$ 2.61	\$ 7.843
27							
28	UG-Fiber - OC-48 BLSR Per Weighted Fiber Mile	85C	00	Input Sheet Ln 36	3	\$ 7.96	\$ 23.892
29							
30							
31	Total Material by FRC - Design 2	357C	03	Col G, Ln8+Ln11+Ln20+Ln22			\$ 11,826.304
32		357C	06	Col G, Ln 9 + Ln 12			\$ 35,747.826
33		357C	09	Col G, Ln 14 + Ln 18			\$ 26,175.600
34		357C	15	Col G, Ln 16			\$ 239.402
35		822C	00	Col G, Ln 24			\$ 28.597
36		845C	00	Col G, Ln 26			\$ 7.843
37		85C	00	Col G, Ln 28			\$ 23.892
38							
39	Probability of Occurrence - Design 2			Input Sheet Ln 42		0.1651	
40							
41	Weighted Material by FRC - Design 2	357C	03	Col G, Ln 31 * Col F, Ln 39			\$ 1,952.523
42		357C	06	Col G, Ln 32 * Col F, Ln 39			\$ 5,901.966
43		357C	09	Col G, Ln 33 * Col F, Ln 39			\$ 4,321.592
44		357C	15	Col G, Ln 34 * Col F, Ln 39			\$ 39.525
45		822C	00	Col G, Ln 35 * Col F, Ln 39			\$ 4.721
46		845C	00	Col G, Ln 36 * Col F, Ln 39			\$ 1.295
47		85C	00	Col G, Ln 37 * Col F, Ln 39			\$ 3.944

001518

	A	B	C	D	E	F	G
1	Tennessee				Design 3	OC-48 Ring	
2	Interoffice Dedicated Transport OC_3						
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.7						
6	Item/Description				Network No		(E)*(F)
7	Description	FRC	SubFRC	SOURCE	Requested	Amount	Total Mat
8	C.O. Node - OC-48 (BLSR)	357C	03	Input Sheet Ln 18	6	\$ 1,458.61	\$ 8,751.685
9		357C	06	Input Sheet Ln 19	6	\$ 4,468.48	\$ 26,810.870
10							
11	C.O. Node - OC-48 BLSR Intermed.	357C	03	Input Sheet Ln 16	2	\$ 2,887.50	\$ 5,775.000
12		357C	06	Input Sheet Ln 17	2	\$ 8,936.96	\$ 17,873.913
13							
14	C.O. Interface OC3 ON OC48	357C	09	Input Sheet Ln 12	2	\$ 6,543.90	\$ 13,087.800
15							
16	Data Communications - OC-48	357C	15	Input Sheet Ln 22	2	\$ 119.70	\$ 239.402
17							
18	CO Connections OC3 ON OC48	357C	09	Input Sheet Ln 9	4	\$ 6,543.90	\$ 26,175.600
19							
20	LGX - OC-48 (per fiber port)	357C	03	Input Sheet Ln 24	18	\$ 9.92	\$ 178.533
21							
22	Pigtail - OC-48 (fiber jumper)	357C	03	Input Sheet Ln 26	18	\$ 8.15	\$ 146.739
23							
24	AR-Fiber - OC-48 BLSR Per Weighted Fiber Mile	822C	00	Input Sheet Ln 30	3	\$ 9.53	\$ 28.597
25							
26	BU-Fiber - OC-48 BLSR Per Weighted Fiber Mile	845C	00	Input Sheet Ln 33	3	\$ 2.61	\$ 7.843
27							
28	UG-Fiber - OC-48 BLSR Per Weighted Fiber Mile	85C	00	Input Sheet Ln 36	3	\$ 7.96	\$ 23.892
29							
30							
31	Total Material by FRC - Design 3	357C	03	Col G, Ln8+Ln11+Ln20+Ln22			\$ 14,851.957
32		357C	06	Col G, Ln 9 + Ln 12			\$ 44,684.783
33		357C	09	Col G, Ln 14 + Ln 18			\$ 39,263.400
34		357C	15	Col G, Ln 16			\$ 239.402
35		822C	00	Col G, Ln 24			\$ 28.597
36		845C	00	Col G, Ln 26			\$ 7.843
37		85C	00	Col G, Ln 28			\$ 23.892
38							
39	Probability of Occurrence - Design 3			Input Sheet Ln 42		0.1651	
40							
41	Weighted Material by FRC - Design 3	357C	03	Col G, Ln 31 * Col F, Ln 39			\$ 2,452.058
42		357C	06	Col G, Ln 32 * Col F, Ln 39			\$ 7,377.458
43		357C	09	Col G, Ln 33 * Col F, Ln 39			\$ 6,482.387
44		357C	15	Col G, Ln 34 * Col F, Ln 39			\$ 39.525
45		822C	00	Col G, Ln 35 * Col F, Ln 39			\$ 4.721
46		845C	00	Col G, Ln 36 * Col F, Ln 39			\$ 1.295
47		85C	00	Col G, Ln 37 * Col F, Ln 39			\$ 3.944

001519

	A	B	C	D	E	F	G
1	Tennessee				Design 4	OC-48 Ring	
2	Interoffice Dedicated Transport OC_3						
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.7						
6	Item/Description			Network No		(E)*(F)	
7	Description	FRC	SubFRC	SOURCE	Requested	Amount	Total Mat
8	C.O. Node - OC-48 (BLSR)	357C	03	Input Sheet Ln 18	6	\$ 1,458.61	\$ 8,751.685
9		357C	06	Input Sheet Ln 19	6	\$ 4,468.48	\$ 26,810.870
10							
11	C.O. Node - OC-48 BLSR Intermed.	357C	03	Input Sheet Ln 16	5	\$ 2,887.50	\$ 14,437.500
12		357C	06	Input Sheet Ln 17	5	\$ 8,936.96	\$ 44,684.783
13							
14	C.O. Interface OC3 ON OC48	357C	09	Input Sheet Ln 12	2	\$ 6,543.90	\$ 13,087.800
15							
16	Data Communications - OC-48	357C	15	Input Sheet Ln 22	3	\$ 119.70	\$ 359.103
17							
18	CO Connections OC3 ON OC48	357C	09	Input Sheet Ln 9	4	\$ 6,543.90	\$ 26,175.600
19							
20	LGX - OC-48 (per fiber port)	357C	03	Input Sheet Ln 24	18	\$ 9.92	\$ 178.533
21							
22	Pigtail - OC-48 (fiber jumper)	357C	03	Input Sheet Ln 26	18	\$ 8.15	\$ 146.739
23							
24	AR-Fiber - OC-48 BLSR Per Weighted Fiber Mile	822C	00	Input Sheet Ln 30	3	\$ 9.53	\$ 28.597
25							
26	BU-Fiber - OC-48 BLSR Per Weighted Fiber Mile	845C	00	Input Sheet Ln 33	3	\$ 2.61	\$ 7.843
27							
28	UG-Fiber - OC-48 BLSR Per Weighted Fiber Mile	85C	00	Input Sheet Ln 36	3	\$ 7.96	\$ 23.892
29							
30							
31	Total Material by FRC - Design 4	357C	03	Col G, Ln8+Ln11+Ln20+Ln22			\$ 23,514.457
32		357C	06	Col G, Ln 9 + Ln 12			\$ 71,495.652
33		357C	09	Col G, Ln 14 + Ln 18			\$ 39,263.400
34		357C	15	Col G, Ln 16			\$ 359.103
35		822C	00	Col G, Ln 24			\$ 28.597
36		845C	00	Col G, Ln 26			\$ 7.843
37		85C	00	Col G, Ln 28			\$ 23.892
38							
39	Probability of Occurrence - Design 4			Input Sheet Ln 42		0.0820	
40							
41	Weighted Material by FRC - Design 4	357C	03	Col G, Ln 31 * Col F, Ln 39			\$ 1,928.185
42		357C	06	Col G, Ln 32 * Col F, Ln 39			\$ 5,862.643
43		357C	09	Col G, Ln 33 * Col F, Ln 39			\$ 3,219.599
44		357C	15	Col G, Ln 34 * Col F, Ln 39			\$ 29.446
45		822C	00	Col G, Ln 35 * Col F, Ln 39			\$ 2.345
46		845C	00	Col G, Ln 36 * Col F, Ln 39			\$ 0.643
47		85C	00	Col G, Ln 37 * Col F, Ln 39			\$ 1.959

001520

	A	B	C	D	E	F	G
1	Tennessee				Design 5	OC-48 Ring	and OC-12 Ring
2	Interoffice Dedicated Transport OC_3						
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.7						
6	Item/Description				Network No		(E)*(F)
7	Description	FRC	SubFRC	SOURCE	Requested	Amount	Total Mat
8	OC-48 RING						
9	C.O. Node - OC-48 (BLSR)	357C	03	Input Sheet Ln 18	2	\$ 1,458.61	\$ 2,917.228
10		357C	06	Input Sheet Ln 19	2	\$ 4,468.48	\$ 8,936.957
11	C.O. Node - OC-48 BLSR Intermed.	357C	03	Input Sheet Ln 16	1	\$ 2,887.50	\$ 2,887.500
12		357C	06	Input Sheet Ln 17	1	\$ 8,936.96	\$ 8,936.957
13	C.O. Interface OC3 ON OC48	357C	09	Input Sheet Ln 12	1	\$ 6,543.90	\$ 6,543.900
14	Data Communications - OC-48	357C	15	Input Sheet Ln 22	1	\$ 119.70	\$ 119.701
15	CO Connections OC3 ON OC48	357C	09	Input Sheet Ln 9	1	\$ 6,543.90	\$ 6,543.900
16	LGX - OC-48 (per fiber port)	357C	03	Input Sheet Ln 24	6	\$ 9.92	\$ 59.511
17	Pigtail - OC-48 (fiber jumper)	357C	03	Input Sheet Ln 26	6	\$ 8.15	\$ 48.913
18	AR-Fiber - OC-48 BLSR Per Weighted Fiber Mile	822C	00	Input Sheet Ln 30	3	\$ 9.53	\$ 28.597
19	BU-Fiber - OC-48 BLSR Per Weighted Fiber Mile	845C	00	Input Sheet Ln 33	3	\$ 2.61	\$ 7.843
20	UG-Fiber - OC-48 BLSR Per Weighted Fiber Mile	85C	00	Input Sheet Ln 36	3	\$ 7.96	\$ 23.892
21							
22	OC-48 Material by FRC - Design 5	357C	03	Col G, Ln9+Ln11+Ln16+Ln17			\$ 5,913.152
23		357C	06	Col G, Ln 10 + Ln 12			\$ 17,873.913
24		357C	09	Col G, Ln 13 + Ln 15			\$ 13,087.800
25		357C	15	Col G, Ln 14			\$ 119.701
26		822C	00	Col G, Ln 18			\$ 28.597
27		845C	00	Col G, Ln 19			\$ 7.843
28		85C	00	Col G, Ln 20			\$ 23.892
29							
30	OC-12 Ring						
31	C.O. Node - OC-12	357C	03	Input Sheet Ln 14	4	\$ 670.94	\$ 2,683.770
32		357C	06	Input Sheet Ln 15	4	\$ 8,327.09	\$ 33,308.377
33	C.O. Interface OC3 on OC12	357C	09	Input Sheet Ln 11	1	\$ 3,561.80	\$ 3,561.800
34	CO Connections OC3 ON OC12	357C	09	Input Sheet Ln 8	1	\$ 3,561.80	\$ 3,561.800
35	Data Communications - OC-12	357C	15	Input Sheet Ln 21	1	\$ 384.38	\$ 384.380
36	LGX - OC-12 (per fiber port)	357C	03	Input Sheet Ln 25	6	\$ 15.92	\$ 95.550
37	Pigtail - OC-12 (fiber jumper)	357C	03	Input Sheet Ln 27	6	\$ 13.09	\$ 78.534
38	AR-Fiber - OC-12 Per Weighted Fiber Mile	822C	00	Input Sheet Ln 29	3	\$ 30.61	\$ 91.831
39	BU-Fiber - OC-12 Per Weighted Fiber Mile	845C	00	Input Sheet Ln 32	3	\$ 8.40	\$ 25.186
40	UG-Fiber - OC-12 Per Weighted Fiber Mile	85C	00	Input Sheet Ln 35	3	\$ 25.57	\$ 76.720
41							
42	OC-12 Material by FRC - Design 5	357C	03	Col G, Ln31+Ln36+Ln37			\$ 2,857.853
43		357C	06	Col G, Ln 32			\$ 33,308.377
44		357C	09	Col G, Ln 33 + Ln 34			\$ 7,123.600
45		357C	15	Col G, Ln 35			\$ 384.380
46		822C	00	Col G, Ln 38			\$ 91.831
47		845C	00	Col G, Ln 39			\$ 25.186
48		85C	00	Col G, Ln 40			\$ 76.720
49							
50	Total Material by FRC - Design 5	357C	03	Col G, Ln 22 + Ln 42			\$ 8,771.006
51		357C	06	Col G, Ln 23 + Ln 43			\$ 51,182.290
52		357C	09	Col G, Ln 24 + Ln 44			\$ 20,211.400
53		357C	15	Col G, Ln 25 + Ln 45			\$ 504.082
54		822C	00	Col G, Ln 26 + Ln 46			\$ 120.429
55		845C	00	Col G, Ln 27 + Ln 47			\$ 33.029
56		85C	00	Col G, Ln 28 + Ln 48			\$ 100.611
57							
58	Probability of Occurrence - Design 5			Input Ln 42		0.0234	
59							
60	Weighted Material by FRC - Design 5	357C	03	Col G, Ln 50 * Col F, Ln 58			\$ 205.242
61		357C	06	Col G, Ln 51 * Col F, Ln 58			\$ 1,197.666
62		357C	09	Col G, Ln 52 * Col F, Ln 58			\$ 472.947
63		357C	15	Col G, Ln 53 * Col F, Ln 58			\$ 11.796
64		822C	00	Col G, Ln 54 * Col F, Ln 58			\$ 2.818
65		845C	00	Col G, Ln 55 * Col F, Ln 58			\$ 0.773
66		85C	00	Col G, Ln 56 * Col F, Ln 58			\$ 2.354

001521

	A	B	C	D	E	F	G
1	Tennessee				Design 6	OC-12 Ring	
2	Interoffice Dedicated Transport OC_3						
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.7						
6	Item/Description				Network No		(E)*(F)
7	Description	FRC	SubFRC	SOURCE	Requested	Amount	Total Mat
8	C.O. Node - OC-12	357C	03	Input Sheet Ln 14	4	\$ 670.94	\$ 2,683.770
9		357C	06	Input Sheet Ln 15	4	\$ 8,327.09	\$ 33,308.377
10							
11	C.O. Interface OC3 on OC12	357C	09	Input Sheet Ln 11	2	\$ 3,561.80	\$ 7,123.600
12							
13	Data Communications - OC-12	357C	15	Input Sheet Ln 21	1	\$ 384.38	\$ 384.380
14							
15	LGX - OC-12 (per fiber port)	357C	03	Input Sheet Ln 25	6	\$ 15.92	\$ 95.550
16							
17	Pigtail - OC-12 (fiber jumper)	357C	03	Input Sheet Ln 27	6	\$ 13.09	\$ 78.534
18							
19	AR-Fiber - OC-12 Per Weighted Fiber Mile	822C	00	Input Sheet Ln 29	3	\$ 30.61	\$ 91.831
20							
21	BU-Fiber - OC-12 Per Weighted Fiber Mile	845C	00	Input Sheet Ln 32	3	\$ 8.40	\$ 25.186
22							
23	UG-Fiber - OC-12 Per Weighted Fiber Mile	85C	00	Input Sheet Ln 35	3	\$ 25.57	\$ 76.720
24							
25							
26	Total Material by FRC - Design 6	357C	03	Col G, Ln8+Ln15+Ln17			\$ 2,857.853
27		357C	06	Col G, Ln 9			\$ 33,308.377
28		357C	09	Col G, Ln 11			\$ 7,123.600
29		357C	15	Col G, Ln 13			\$ 384.380
30		822C	00	Col G, Ln 19			\$ 91.831
31		845C	00	Col G, Ln 21			\$ 25.186
32		85C	00	Col G, Ln 23			\$ 76.720
33							
34							
35	Probability of Occurrence - Design 6			Input Sheet Ln 42		0.0469	
36							
37	Weighted Material by FRC - Design 6	357C	03	Col G, Ln 26 * Col F, Ln 35			\$ 134.033
38		357C	06	Col G, Ln 27 * Col F, Ln 35			\$ 1,562.163
39		357C	09	Col G, Ln 28 * Col F, Ln 35			\$ 334.097
40		357C	15	Col G, Ln 29 * Col F, Ln 35			\$ 18.027
41		822C	00	Col G, Ln 30 * Col F, Ln 35			\$ 4.307
42		845C	00	Col G, Ln 31 * Col F, Ln 35			\$ 1.181
43		85C	00	Col G, Ln 32 * Col F, Ln 35			\$ 3.598

001522

	A	B	C	D	E	F	G
1	Tennessee				Design 7	OC-12 Ring	
2	Interoffice Dedicated Transport OC_3						
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.7						
6	Item/Description				Network No		(E)*(F)
7	Description	FRC	SubFRC	SOURCE	Requested	Amount	Total Mat
8	C.O. Node - OC-12	357C	03	Input Sheet Ln 14	10	\$ 670.94	\$ 6,709.424
9		357C	06	Input Sheet Ln 15	10	\$ 8,327.09	\$ 83,270.942
10							
11	C.O. Interface OC3 on OC12	357C	09	Input Sheet Ln 11	2	\$ 3,561.80	\$ 7,123.600
12							
13	Data Communications - OC-12	357C	15	Input Sheet Ln 21	2	\$ 384.38	\$ 768.761
14							
15	CO Connections OC3 ON OC12	357C	09	Input Sheet Ln 8	2	\$ 3,561.80	\$ 7,123.600
16							
17	LGX - OC-12 (per fiber port)	357C	03	Input Sheet Ln 25	12	\$ 15.92	\$ 191.099
18							
19	Pigtail - OC-12 (fiber jumper)	357C	03	Input Sheet Ln 27	12	\$ 13.09	\$ 157.068
20							
21	AR-Fiber - OC-12 Per Weighted Fiber Mile	822C	00	Input Sheet Ln 29	3	\$ 30.61	\$ 91.831
22							
23	BU-Fiber - OC-12 Per Weighted Fiber Mile	845C	00	Input Sheet Ln 32	3	\$ 8.40	\$ 25.186
24							
25	UG-Fiber - OC-12 Per Weighted Fiber Mile	85C	00	Input Sheet Ln 35	3	\$ 25.57	\$ 76.720
26							
27							
28	Total Material by FRC - Design 7	357C	03	Col G, Ln8+Ln17+Ln19			\$ 7,057.592
29		357C	06	Col G, Ln 9			\$ 83,270.942
30		357C	09	Col G, Ln 11 + Ln 15			\$ 14,247.200
31		357C	15	Col G, Ln 13			\$ 768.761
32		822C	00	Col G, Ln 21			\$ 91.831
33		845C	00	Col G, Ln 23			\$ 25.186
34		85C	00	Col G, Ln 25			\$ 76.720
35							
36							
37	Probability of Occurrence - Design 7			Input Sheet Ln 42		0.0234	
38							
39	Weighted Material by FRC - Design 7	357C	03	Col G, Ln 28 * Col F, Ln 37			\$ 165.148
40		357C	06	Col G, Ln 29 * Col F, Ln 37			\$ 1,948.540
41		357C	09	Col G, Ln 30 * Col F, Ln 37			\$ 333.384
42		357C	15	Col G, Ln 31 * Col F, Ln 37			\$ 17.989
43		822C	00	Col G, Ln 32 * Col F, Ln 37			\$ 2.149
44		845C	00	Col G, Ln 33 * Col F, Ln 37			\$ 0.589
45		85C	00	Col G, Ln 34 * Col F, Ln 37			\$ 1.795

001523

	A	B	C	D	E	F	G	H	I	J	K
1	Tennessee										
2	Index Sheet										
3	Study Period: 01/2000 - 12/2002										
4											
5											
6											
7											
8											
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10											
11											
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23											
24											
25											
26											
27											
28											

Sheet Name:

IO_OC_12

Investments
Additives_Recurring
Additives_Nonrecurring
Recurring Labor
Nonrecurring Labor
INPUT_NRC
WP200
WP300
WP301
WP302
WP303

Interoffice Dedicated Transport

NON RECURRING LABOR

SUMMARY

DESIGN 1

DESIGN 2

DESIGN 3

DESIGN 4

001524

	A	B	C	D	E	F	G	H	I	J
1	CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA									
2										
3	Instructions:									
4	1. Use this worksheet to record material and/or investments to be input into the									
5	Calculator calculations.									
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).									
7	3. Input data, by Cost Element, leaving no blank lines. On next row									
8	after last line of data, type END in Cost Element Column.									
9	4. All data on this form should be cell-referenced to study workpapers.									
10	5. Do NOT change columns, headings, sheet name.									
11										
12										
13										
14	State	Cost	Element #	FRC	Sub	FRC	Volume Sensitive \$ Amount	Volume Insensitive \$ Amount		
15	TN	D.8.2		357C	03		\$ 39,256.182			
16	TN	D.8.2		357C	06		\$ 124,243.416			
17	TN	D.8.2		357C	09		\$ 80,580.272			
18	TN	D.8.2		357C	15		\$ 739.848			
19	TN	D.8.1		822C	00		\$ 146.419			
20	TN	D.8.1		845C	00		\$ 40.157			
21	TN	D.8.1		85C	00		\$ 122.325			
22										
23										
24										
25										

IO_OC_12

BellSouth Telecommunications, Inc.

A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - RECURRING EXPENSES DATA						
2	Instructions:						
3	1. Use this worksheet to record recurring non-labor expenses to be input into the						
4	Calculator calculations.						
5	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
6	3. Input data, by Cost Element, leaving no blank lines. On next row						
7	after last line of data, type END in Cost Element Column.						
8	4. All data on this form should be cell-referenced to study workpapers.						
9	5. Do NOT change columns, headings, sheet name.						
10							
11							
12							
13							
14							
15							
16							
17	State	Cost	Recurring	Recurring			
18	Element #	Expense Description	Volume	Volume			
19		(Limited to 25 characters)	Sensitive	Insensitive			
20			\$ Amount	\$ Amount			
21							
22							
23							
24							
25							
26							
27							
28	Maximum 10 entries per Cost Element #						
29							
30							

A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA						
2	Instructions:						
3	1. Use this worksheet to record nonrecurring non-labor expenses to be input into the Calculator calculations.						
4	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
5	3. Input data, by Cost Element, leaving no blank lines. On next row						
6	after last line of data, type END in Cost Element Column.						
7	4. All data on this form should be cell-referenced to study workpapers.						
8	5. Do NOT change columns, headings, sheet name.						
9	6. Use column D when cost element has a single nonrecurring cost; use columns E & F for elements with a first						
10	and additional nonrecurring cost; use columns G & H for elements with an initial and subsequent nonrecurring cost.						
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

001527

A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA						
2							
3	Instructions:						
4	1. Use this worksheet to record recurring expensed labor times to be input into the						
5	Calculator calculations.						
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
7	3. Input data, by Cost Element, leaving no blank lines. On next row						
8	after last line of data, type END in Cost Element Column.						
9	4. All data on this form should be cell-referenced to study workpapers.						
10	5. Do NOT change columns, headings, sheet name.						
11							
12							
13							
14	<u>Cost</u>	<u>Labor Expense Description</u>	<u>JFC/</u>	<u>Work Time (Hours)</u>	<u>Volume</u>	<u>Volume</u>	
15	<u>State</u>	<u>(Limited to 25 characters)</u>	<u>Payband</u>	<u>Sensitive</u>	<u>Insensitive</u>		
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
Maximum 20 entries per Cost Element #							

IO_OC_12

BellSouth Telecommunications, Inc.

CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES														
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	Instructions:													
2	1. Use this worksheet to record nonrecurring labor times to be input into the Calculator calculations.													
3	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).													
4	3. Input data, by Cost Element, leaving no blank lines. On next row													
5	after last line of data, type END in Cost Element Column.													
6	4. All data on this form should be call-referenced to study worksheets.													
7	5. Do NOT change columns, headings, sheet name.													
8	6. Use columns F & G when cost element has a single nonrecurring cost; use columns H, I, J, & K for elements with a first													
9	and additional nonrecurring cost; use columns L, M, N & O for elements with an initial and subsequent nonrecurring cost.													
10	7. Input Cost Element Life (in months) on first row of data for each cost element. It is not necessary to repeat on each line.													
11														
12														
13														
14														
15	Study Mid-Point Date (Mos.) 6/1/2001													
16														
17														
18														
19	State	Cost Element #	Cost Element Life (Mo)	Labor Expense Description (Limited to 25 characters)	JFC/ Payband	(For use w/ one NR)		First		Additional		Initial		Subsequent
20	TN	D.8.2	52	Connect	431X	Installation Time (Hours)	Disconnect Time (Hours)	Installation Time (Hours)	Disconnect Time (Hours)	Installation Time (Hours)	Disconnect Time (Hours)	Installation Time (Hours)	Disconnect Time (Hours)	Installation Time (Hours)
21	TN	D.8.2	52	Connect	4AXX	1.4920	0.0000	0.9500	0.0000	1.4920	0.0000	0.0000	0.0000	0.0000
22	TN	D.8.2	52	Test	431X	0.9500	0.0000	0.9500	0.0000	0.9500	0.0000	0.0000	0.0000	0.0000
23	TN	D.8.298	52	Test	4AXX	2.2380	0.0000	2.2380	0.0000	2.2380	0.0000	0.0000	0.0000	0.0000
24	TN	D.8.298	52	Test	4AXX	0.9500	0.0000	0.9500	0.0000	0.9500	0.0000	0.0000	0.0000	0.0000
25	TN	D.8.2	52	Engineering	4N4X	0.1118	0.0000	0.1118	0.0000	0.1118	0.0000	0.0000	0.0000	0.0000
26	TN	D.8.2	52	Engineering	3A2X	0.0333	0.0000	0.0333	0.0000	0.0333	0.0000	0.0000	0.0000	0.0000
27	TN	D.8.2	52	Engineering	4N4X	1.6640	0.0000	1.6640	0.0000	1.6640	0.0000	0.0000	0.0000	0.0000
28	TN	D.8.2	52	Service Inquiry	SDWC	2.0000	0.0000	2.0000	0.0000	2.0000	0.0000	0.0000	0.0000	0.0000
29	TN	D.8.2	52	Service Inquiry	3AXX	12.0000	0.0000	12.0000	0.0000	12.0000	0.0000	0.0000	0.0000	0.0000
30	TN	D.8.2	52	Service Order	4AXX	0.0175	0.0000	0.0175	0.0000	0.0175	0.0000	0.0000	0.0000	0.0000
31	TN	D.8.2	52	Service Order	4WXX	0.0600	0.0000	0.0600	0.0000	0.0600	0.0000	0.0000	0.0000	0.0000
32	TN	D.8.2	52	Service Order	430X	0.2500	0.0000	0.2500	0.0000	0.2500	0.0000	0.0000	0.0000	0.0000
33	TN	D.8.2	52	Service Order	430X	0.1333	0.0000	0.1333	0.0000	0.1333	0.0000	0.0000	0.0000	0.0000
34	TN	D.8.3	52	Service Order	230X	1.1783	0.0000	1.1783	0.0000	1.1783	0.0000	0.0000	0.0000	0.0000
35	TN	D.8.299	52	Connect	431X	0.0000	1.5966	0.0000	0.0000	0.0000	1.5966	0.0000	0.0000	0.0000
36	TN	D.8.299	52	Engineering	4N4X	0.0000	0.0412	0.0000	0.0000	0.0000	0.0412	0.0000	0.0000	0.0000
37	TN	D.8.299	52	Engineering	3A2X	0.0000	0.0333	0.0000	0.0000	0.0000	0.0333	0.0000	0.0000	0.0000
38	TN	D.8.299	52	Engineering	4N4X	0.0000	0.2626	0.0000	0.0000	0.0000	0.2626	0.0000	0.0000	0.0000
39	TN	D.8.299	52	Service Order	230X	0.0000	0.0175	0.0000	0.0000	0.0000	0.0175	0.0000	0.0000	0.0000
40	TN	D.8.299	52	Service Order	4AXX	0.0000	0.1800	0.0000	0.0000	0.0000	0.1800	0.0000	0.0000	0.0000
41	TN	D.8.299	52	Service Order	430X	0.0000	0.1166	0.0000	0.0000	0.0000	0.1166	0.0000	0.0000	0.0000
42	TN	D.8.399	52	Service Order	230X	0.0000	0.5100	0.0000	0.0000	0.0000	0.5100	0.0000	0.0000	0.0000
43	END													
44	Maximum of 25 entries per Cost Element #													
45														
46														

001529

A												B	C	D	E	F	G	H	I	J	
1	Tennessee																				
2	Interoffice Dedicated Transport																				
3	Study Period: 01/2000 - 12/2002																				
4																					
5	Element #: D.8																				
6	Item/Description											FRC	SubFRC	Source	Amount	DESIGNS					
7	Description															1	2	3	4		
8	CO Connections OC-12 ON OC48											357C	09	SONET Price Calculator	\$ 23,325.5000		2	4	4		
9																					
10	C.O. Interface OC-12 on OC-48											357C	09	SONET Price Calculator	\$ 23,325.5000	2	2	2	2		
11																					
12	C.O. Node - OC-48 BLSR Intermed.											357C	03	SONET Price Calculator	\$ 11,176.5217	1	2	2	2	5	
13	C.O. Node - OC-48 BLSR Intermed.											357C	06	SONET Price Calculator	\$ 35,976.0870	1	2	2	2	5	
14	C.O. Node - OC-48 (BLSR)											357C	03	SONET Price Calculator	\$ 5,670.3261	2	4	6	6	6	
15	C.O. Node - OC-48 (BLSR)											357C	06	SONET Price Calculator	\$ 17,988.0435	2	4	6	6	6	
16																					
17	Data Communications - OC-48											357C	15	SONET Price Calculator	\$ 478.8043	1	2	2	2	3	
18																					
19	LGX - OC-48 (per fiber port)											357C	03	SONET Price Calculator	\$ 19.8370	6	12	18	18	18	
20	Pigtail - OC-48 (fiber jumper)											357C	03	SONET Price Calculator	\$ 16.3043	6	12	18	18	18	
21																					
22	AR-Fiber - OC-48 BLSR Per Weighted Fiber Mile											822C	00	SONET Price Calculator	\$ 38.1300						
23																					
24	BU-Fiber - OC-48 BLSR Per Weighted Fiber Mile											845C	00	SONET Price Calculator	\$ 10.4576						
25																					
26	UG-Fiber - OC-48 BLSR Per Weighted Fiber Mile											85C	00	SONET Price Calculator	\$ 31.8554						
27																					
28	# Fiber strands - OC-3													Network		3	3	3	3	3	
29	# Fiber strands - OC-12													Network		3	3	3	3	3	
30	# Fiber strands - OC-48													Network		3	3	3	3	3	
31																					
32	Probability of Occurrence													Network		0.5453	0.1821	0.1821	0.0905	1.0000	
33	Route to Air Ratio													TIRKS	1.28						

001530

A				B	C	D	E	F	G	H
1	Tennessee									
2	NON RECURRING LABOR									
3	Study Period: 01/2000 - 12/2002									
4										
5	Element #: D.8									
6	Item/Description									
7	Work Group				JFC / JG / WS	Source	First Install Time Hrs	First Disconnect Time Hrs	Additional Install Time Hrs	Additional Disconnect Time Hrs
8	CO INSTALL & MTCE CKT & FAC (NTEL)	Connect	431X	Network	1.4920	1.5966	1.4920	1.5966	1.4920	1.5966
9	ACCESS CUSTOMER ADVOCATE CENTER (UNEC)	Connect	4AXX	Network	0.9500	0.0000	0.9500	0.0000	0.9500	0.0000
10	CO INSTALL & MTCE CKT & FAC (NTEL)	Test	431X	Network	2.2380	0.0000	2.2380	0.0000	2.2380	0.0000
11	ACCESS CUSTOMER ADVOCATE CENTER (UNEC)	Test	4AXX	Network	0.9500	0.0000	0.9500	0.0000	0.9500	0.0000
12	CIRCUIT PROVISIONING GROUP (CPG)	Engineering	4N4X	Network	0.1118	0.0412	0.1118	0.0412	0.0000	0.0000
13	NETWORK PLANNING & ENGINEERING (PICS)	Engineering	3A2X	Network	0.0333	0.0333	0.0333	0.0333	0.0000	0.0000
14	CIRCUIT PROVISIONING GROUP (CPG)	Engineering	4N4X	Network	1.6640	0.2626	1.6640	0.2626	1.6640	0.2626
15	COMPLEX RESALE SUPPORT GROUP (CRSG)	Service Inquiry	SDWC	Network	2.0000	0.0000	2.0000	0.0000	0.0000	0.0000
16	NETWORK PLANNING & ENGINEERING (FG20)	Service Inquiry	34XX	Network	12.0000	0.0000	12.0000	0.0000	0.0000	0.0000
17	CUSTOMER POINT OF CONTACT (LCSC)	Service Order	230X	Network	0.0175	0.0175	0.0175	0.0175	0.0175	0.0175
18	ACCESS CUSTOMER ADVOCATE CENTER (UNEC)	Service Order	4AXX	Network	0.0600	0.1800	0.0600	0.1800	0.0600	0.1800
19	WORK MANAGEMENT CENTER	Service Order	4WXX	Network	0.2500	0.0000	0.2500	0.0000	0.0500	0.0000
20	CO INSTALL & MTCE-SWITCH EQUIP	Service Order	430X	Network	0.1333	0.1166	0.1333	0.1166	0.0833	0.1166
21	CUSTOMER POINT OF CONTACT (LCSC) MANUAL	Service Order	230X	Network	1.1783	0.5100	1.1783	0.5100	1.1783	0.5100
22	Cost element Life (Months) =	52		LocLife.xls						
23	For LCSC work times longer than the standard half hour the manual work times below apply.									
24										
25										
26										
27		1.1958 - .0175 =	1.1783							
28		.5275 - .0175 =	0.5100							
29		1.1958 - .0175 =	1.1783							
30		.5275 - .0175 =	0.5100							
31										
32										

001531

	A	B	C	D	E	F
1	Tennessee					
2	Interoffice Dedicated Transport OC_12					
3	Study Period: 01/2000 - 12/2002					
4						
5	Element #: D.8					
6						
7	Facility Terminations Weighted Material					
8						
9		FRC	Sub FRC	Sub FRC	Sub FRC	SOURCE
10		357C	03	06	09	15
11						
12	Design 1	\$ 12,396.862	\$ 39,235.520	\$ 25,438.790	\$ 261.092	Wp300, Col G, Ln 41 thru 44
13	Design 2	\$ 8,279.731	\$ 26,204.982	\$ 16,990.294	\$ 174.381	Wp301, Col G, Ln 41 thru 44
14	Design 3	\$ 10,384.351	\$ 32,756.227	\$ 25,485.441	\$ 174.381	Wp302, Col G, Ln 41 thru 44
15	Design 4	\$ 8,195.237	\$ 26,046.687	\$ 12,665.747	\$ 129.995	Wp303, Col G, Ln 41 thru 44
16						
17	Total	\$ 39,256.182	\$ 124,243.416	\$ 80,580.272	\$ 739.848	Ln 12 thru Ln 15
18						
19						
20						
21						
22	Per Mile Weighted Material (Route Distance)					
23						
24		822C	845C	85C		SOURCE
25		Sub FRC 00	Sub FRC 00	Sub FRC 00		
26						
27	Design 1	\$ 62.377	\$ 17.108	\$ 52.112		Wp300, Col G, Ln 45 thru 47
28	Design 2	\$ 20.830	\$ 5.713	\$ 17.403		Wp301, Col G, Ln 45 thru 47
29	Design 3	\$ 20.830	\$ 5.713	\$ 17.403		Wp302, Col G, Ln 45 thru 47
30	Design 4	\$ 10.352	\$ 2.839	\$ 8.649		Wp303, Col G, Ln 45 thru 47
31						
32						
33	Route to Air Ratio	1.28	1.28	1.28		Input Sheet Ln 33
34						
35						
36	Per Mile Weighted Material (Air Mile Distance)					
37						
38		822C	845C	85C		SOURCE
39		Sub FRC 00	Sub FRC 00	Sub FRC 00		
40						
41	Design 1	\$ 79.842	\$ 21.898	\$ 66.704		Ln 27 * Ln 33
42	Design 2	\$ 26.663	\$ 7.313	\$ 22.275		Ln 28 * Ln 33
43	Design 3	\$ 26.663	\$ 7.313	\$ 22.275		Ln 29 * Ln 33
44	Design 4	\$ 13.251	\$ 3.634	\$ 11.070		Ln 30 * Ln 33
45						
46	Material Per Air Mile	\$ 146.419	\$ 40.157	\$ 122.325		Ln 41 thru 44

001532

	A	B	C	D	E	F	G
1	Tennessee				Design 1	OC-48 Ring	
2	Interoffice Dedicated Transport OC_12						
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.8						
6	Item/Description				Network No		(E)*(F)
7	Description	FRC	SubFRC	Source	Requested	Amount	Total Mat
8	C.O. Node - OC-48 (BLSR)	357C	03	Input Sheet Ln 14	2	\$ 5,670.33	\$ 11,340.652
9		357C	06	Input Sheet Ln 15	2	\$ 17,988.04	\$ 35,976.087
10							
11	C.O. Node - OC-48 BLSR Intermed.	357C	03	Input Sheet Ln 12	1	\$ 11,176.52	\$ 11,176.522
12		357C	06	Input Sheet Ln 13	1	\$ 35,976.09	\$ 35,976.087
13							
14	C.O. Interface OC-12 on OC-48	357C	09	Input Sheet Ln 10	2	\$ 23,325.50	\$ 46,651.000
15							
16	Data Communications - OC-48	357C	15	Input Sheet Ln 17	1	\$ 478.80	\$ 478.804
17							
18	LGX - OC-48 (per fiber port)	357C	03	Input Sheet Ln 19	6	\$ 19.84	\$ 119.022
19							
20	Pigtail - OC-48 (fiber jumper)	357C	03	Input Sheet Ln 20	6	\$ 16.30	\$ 97.826
21							
22	AR-Fiber - OC-48 BLSR Per Weighted Fiber Mile	822C	00	Input Sheet Ln 22	3	\$ 38.13	\$ 114.390
23							
24	BU-Fiber - OC-48 BLSR Per Weighted Fiber Mile	845C	00	Input Sheet Ln 24	3	\$ 10.46	\$ 31.373
25							
26	UG-Fiber - OC-48 BLSR Per Weighted Fiber Mile	85C	00	Input Sheet Ln 26	3	\$ 31.86	\$ 95.566
27							
28							
29							
30							
31	Total Material by FRC - Design 1	357C	03	Col G, Ln8+Ln11+Ln18+Ln20			\$ 22,734.022
32		357C	06	Col G, Ln 9 + Ln 12			\$ 71,952.174
33		357C	09	Col G, Ln 14			\$ 46,651.000
34		357C	15	Col G, Ln 16			\$ 478.804
35		822C	00	Col G, Ln 22			\$ 114.390
36		845C	00	Col G, Ln 24			\$ 31.373
37		85C	00	Col G, Ln 26			\$ 95.566
38							
39	Probability of Occurrence - Design 1			Input Sheet Ln 32		0.5453	
40							
41	Weighted Material by FRC - Design 1	357C	03	Col G, Ln 31 * Col F, Ln 39			\$ 12,396.862
42		357C	06	Col G, Ln 32 * Col F, Ln 39			\$ 39,235.520
43		357C	09	Col G, Ln 33 * Col F, Ln 39			\$ 25,438.790
44		357C	15	Col G, Ln 34 * Col F, Ln 39			\$ 261.092
45		822C	00	Col G, Ln 35 * Col F, Ln 39			\$ 62.377
46		845C	00	Col G, Ln 36 * Col F, Ln 39			\$ 17.108
47		85C	00	Col G, Ln 37 * Col F, Ln 39			\$ 52.112

001533

	A	B	C	D	E	F	G
1	Tennessee				Design 2	OC-48 Ring	
2	Interoffice Dedicated Transport OC_12						
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.8						
6	Item/Description	FRC	SubFRC	SOURCE	Network No Requested	Amount	(E)*(F) Total Mat
7	Description						
8	C.O. Node - OC-48 (BLSR)	357C	03	Input Sheet Ln 14	4	\$ 5,670.33	\$ 22,681.304
9		357C	06	Input Sheet Ln 15	4	\$ 17,988.04	\$ 71,952.174
10							
11	C.O. Node - OC-48 BLSR Intermed.	357C	03	Input Sheet Ln 12	2	\$ 11,176.52	\$ 22,353.043
12		357C	06	Input Sheet Ln 13	2	\$ 35,976.09	\$ 71,952.174
13							
14	C.O. Interface OC-12 on OC-48	357C	09	Input Sheet Ln 10	2	\$ 23,325.50	\$ 46,651.000
15							
16	Data Communications - OC-48	357C	15	Input Sheet Ln 17	2	\$ 478.80	\$ 957.609
17							
18	CO Connections OC-12 ON OC48	357C	09	Input Sheet Ln 8	2	\$ 23,325.50	\$ 46,651.000
19							
20	LGX - OC-48 (per fiber port)	357C	03	Input Sheet Ln 19	12	\$ 19.84	\$ 238.043
21							
22	Pigtail - OC-48 (fiber jumper)	357C	03	Input Sheet Ln 20	12	\$ 16.30	\$ 195.652
23							
24	AR-Fiber - OC-48 BLSR Per Weighted Fiber Mile	822C	00	Input Sheet Ln 22	3	\$ 38.13	\$ 114.390
25							
26	BU-Fiber - OC-48 BLSR Per Weighted Fiber Mile	845C	00	Input Sheet Ln 24	3	\$ 10.46	\$ 31.373
27							
28	UG-Fiber - OC-48 BLSR Per Weighted Fiber Mile	85C	00	Input Sheet Ln 26	3	\$ 31.86	\$ 95.566
29							
30							
31	Total Material by FRC - Design 2	357C	03	Col G, Ln8+Ln11+Ln20+Ln22			\$ 45,468.043
32		357C	06	Col G, Ln 9 + Ln 12			\$ 143,904.348
33		357C	09	Col G, Ln 14 + Ln 18			\$ 93,302.000
34		357C	15	Col G, Ln 16			\$ 957.609
35		822C	00	Col G, Ln 24			\$ 114.390
36		845C	00	Col G, Ln 26			\$ 31.373
37		85C	00	Col G, Ln 28			\$ 95.566
38							
39	Probability of Occurrence - Design 2			Input Sheet Ln 32		0.1821	
40							
41	Weighted Material by FRC - Design 2	357C	03	Col G, Ln 31 * Col F, Ln 39			\$ 8,279.731
42		357C	06	Col G, Ln 32 * Col F, Ln 39			\$ 26,204.982
43		357C	09	Col G, Ln 33 * Col F, Ln 39			\$ 16,990.294
44		357C	15	Col G, Ln 34 * Col F, Ln 39			\$ 174.381
45		822C	00	Col G, Ln 35 * Col F, Ln 39			\$ 20.830
46		845C	00	Col G, Ln 36 * Col F, Ln 39			\$ 5.713
47		85C	00	Col G, Ln 37 * Col F, Ln 39			\$ 17.403

001534

	A	B	C	D	E	F	G
1	Tennessee				Design 3	OC-48 Ring	
2	Interoffice Dedicated Transport OC_12						
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.8						
6	Item/Description				Network No		(E)*(F)
7	Description	FRC	SubFRC	SOURCE	Requested	Amount	Total Mat
8	C.O. Node - OC-48 (BLSR)	357C	03	Input Sheet Ln 14	6	\$ 5,670.33	\$ 34,021.957
9		357C	06	Input Sheet Ln 15	6	\$ 17,988.04	\$ 107,928.261
10							
11	C.O. Node - OC-48 BLSR Intermed.	357C	03	Input Sheet Ln 12	2	\$ 11,176.52	\$ 22,353.043
12		357C	06	Input Sheet Ln 13	2	\$ 35,976.09	\$ 71,952.174
13							
14	C.O. Interface OC-12 on OC-48	357C	09	Input Sheet Ln 10	2	\$ 23,325.50	\$ 46,651.000
15							
16	Data Communications - OC-48	357C	15	Input Sheet Ln 17	2	\$ 478.80	\$ 957.609
17							
18	CO Connections OC-12 ON OC48	357C	09	Input Sheet Ln 8	4	\$ 23,325.50	\$ 93,302.000
19							
20	LGX - OC-48 (per fiber port)	357C	03	Input Sheet Ln 19	18	\$ 19.84	\$ 357.065
21							
22	Pigtail - OC-48 (fiber jumper)	357C	03	Input Sheet Ln 20	18	\$ 16.30	\$ 293.478
23							
24	AR-Fiber - OC-48 BLSR Per Weighted Fiber Mile	822C	00	Input Sheet Ln 22	3	\$ 38.13	\$ 114.390
25							
26	BU-Fiber - OC-48 BLSR Per Weighted Fiber Mile	845C	00	Input Sheet Ln 24	3	\$ 10.46	\$ 31.373
27							
28	UG-Fiber - OC-48 BLSR Per Weighted Fiber Mile	85C	00	Input Sheet Ln 26	3	\$ 31.86	\$ 95.566
29							
30							
31	Total Material by FRC - Design 3	357C	03	Col G, Ln8+Ln11+Ln20+Ln22			\$ 57,025.543
32		357C	06	Col G, Ln 9 + Ln 12			\$ 179,880.435
33		357C	09	Col G, Ln 14 + Ln 18			\$ 139,953.000
34		357C	15	Col G, Ln 16			\$ 957.609
35		822C	00	Col G, Ln 24			\$ 114.390
36		845C	00	Col G, Ln 26			\$ 31.373
37		85C	00	Col G, Ln 28			\$ 95.566
38							
39	Probability of Occurrence - Design 3			Input Sheet Ln 32		0.1821	
40							
41	Weighted Material by FRC - Design 3	357C	03	Col G, Ln 31 * Col F, Ln 39			\$ 10,384.351
42		357C	06	Col G, Ln 32 * Col F, Ln 39			\$ 32,756.227
43		357C	09	Col G, Ln 33 * Col F, Ln 39			\$ 25,485.441
44		357C	15	Col G, Ln 34 * Col F, Ln 39			\$ 174.381
45		822C	00	Col G, Ln 35 * Col F, Ln 39			\$ 20.830
46		845C	00	Col G, Ln 36 * Col F, Ln 39			\$ 5.713
47		85C	00	Col G, Ln 37 * Col F, Ln 39			\$ 17.403

001535

	A	B	C	D	E	F	G
1	Tennessee				Design 4	OC-48 Ring	
2	Interoffice Dedicated Transport OC_12						
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.8						
6	Item/Description				Network No		(E)*(F)
7	Description	FRC	SubFRC	SOURCE	Requested	Amount	Total Mat
8	C.O. Node - OC-48 (BLSR)	357C	03	Input Sheet Ln 14	6	\$ 5,670.33	\$ 34,021.957
9		357C	06	Input Sheet Ln 15	6	\$ 17,988.04	\$ 107,928.261
10							
11	C.O. Node - OC-48 BLSR Intermed.	357C	03	Input Sheet Ln 12	5	\$ 11,176.52	\$ 55,882.609
12		357C	06	Input Sheet Ln 13	5	\$ 35,976.09	\$ 179,880.435
13							
14	C.O. Interface OC-12 on OC-48	357C	09	Input Sheet Ln 10	2	\$ 23,325.50	\$ 46,651.000
15							
16	Data Communications - OC-48	357C	15	Input Sheet Ln 17	3	\$ 478.80	\$ 1,436.413
17							
18	CO Connections OC-12 ON OC48	357C	09	Input Sheet Ln 8	4	\$ 23,325.50	\$ 93,302.000
19							
20	LGX - OC-48 (per fiber port)	357C	03	Input Sheet Ln 19	18	\$ 19.84	\$ 357.065
21							
22	Pigtail - OC-48 (fiber jumper)	357C	03	Input Sheet Ln 20	18	\$ 16.30	\$ 293.478
23							
24	AR-Fiber - OC-48 BLSR Per Weighted Fiber Mile	822C	00	Input Sheet Ln 22	3	\$ 38.13	\$ 114.390
25							
26	BU-Fiber - OC-48 BLSR Per Weighted Fiber Mile	845C	00	Input Sheet Ln 24	3	\$ 10.46	\$ 31.373
27							
28	UG-Fiber - OC-48 BLSR Per Weighted Fiber Mile	85C	00	Input Sheet Ln 26	3	\$ 31.86	\$ 95.566
29							
30							
31	Total Material by FRC - Design 4	357C	03	Col G, Ln8+Ln11+Ln20+Ln22			\$ 90,555.109
32		357C	06	Col G, Ln 9 + Ln 12			\$ 287,808.696
33		357C	09	Col G, Ln 14 + Ln 18			\$ 139,953.000
34		357C	15	Col G, Ln 16			\$ 1,436.413
35		822C	00	Col G, Ln 24			\$ 114.390
36		845C	00	Col G, Ln 26			\$ 31.373
37		85C	00	Col G, Ln 28			\$ 95.566
38							
39	Probability of Occurrence - Design 4			Input Sheet Ln 32		0.0905	
40							
41	Weighted Material by FRC - Design 4	357C	03	Col G, Ln 31 * Col F, Ln 39			\$ 8,195.237
42		357C	06	Col G, Ln 32 * Col F, Ln 39			\$ 26,046.687
43		357C	09	Col G, Ln 33 * Col F, Ln 39			\$ 12,665.747
44		357C	15	Col G, Ln 34 * Col F, Ln 39			\$ 129.995
45		822C	00	Col G, Ln 35 * Col F, Ln 39			\$ 10.352
46		845C	00	Col G, Ln 36 * Col F, Ln 39			\$ 2.839
47		85C	00	Col G, Ln 37 * Col F, Ln 39			\$ 8.649

001536

	A	B	C	D	E	F	G	H	I	J	K
1	Tennessee										
2	Index Sheet										
3	Study Period: 01/2000 - 12/2002										
4											
5											
6											
7											
8											
9			Sheet Name:		Description:						
10			Index		IO_OC_48						
11			Investments		CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA						
12			Additives_Recurring		CALCULATOR INPUT FORM - RECURRING EXPENSES DATA						
13			Additives_Nonrecurring		CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA						
14			Recurring Labor		CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA						
15			Nonrecurring Labor		CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES						
16			INPUT		Interoffice Dedicated Transport						
17			INPUT_NRC		NON RECURRING LABOR						
18			WP200		SUMMARY						
19			WP300		DESIGN 1						
20			WP301		DESIGN 2						
21			WP302		DESIGN 3						
22			WP303		DESIGN 4						
23											
24											
25											
26											
27											
28											

001537

	A	B	C	D	E	F	G	H	I	J
1	CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA									
2										
3	Instructions:									
4	1. Use this worksheet to record material and/or investments to be input into the									
5	Calculator calculations.									
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).									
7	3. Input data, by Cost Element, leaving no blank lines. On next row									
8	after last line of data, type END in Cost Element Column.									
9	4. All data on this form should be cell-referenced to study workpapers.									
10	5. Do NOT change columns, headings, sheet name.									
11										
12										
13		Cost		Sub	Volume	Volume				
14	State	Element #	FRC	FRC	Sensitive	Insensitive				
15	TN	D.9.2	357C	03	\$ 54,053.359					
16	TN	D.9.2	357C	06	\$ 170,386.150					
17	TN	D.9.2	357C	09	\$ 135,717.089					
18	TN	D.9.2	357C	15	\$ 1,361.321					
19	TN	D.9.1	822C	00	\$ 269.411					
20	TN	D.9.1	845C	00	\$ 73.889					
21	TN	D.9.1	85C	00	\$ 225.078					
22	TN	D.9.4	357C	03	\$ 374.561					
23	TN	D.9.4	357C	09	\$ 46,651.000					
24		END								
25										

001538

A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - RECURRING EXPENSES DATA						
2							
3	Instructions:						
4	1. Use this worksheet to record recurring non-labor expenses to be input into the						
5	Calculator calculations.						
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
7	3. Input data, by Cost Element, leaving no blank lines. On next row						
8	after last line of data, type END in Cost Element Column.						
9	4. All data on this form should be cell-referenced to study workpapers.						
10	5. Do NOT change columns, headings, sheet name.						
11							
12							
13							
14							
15							
16							
17	<u>State</u>	<u>Cost</u>	<u>Recurring</u>	<u>Recurring</u>			
18			<u>Expense Description</u>	<u>Volume</u>			
19			<u>(Limited to 25 characters)</u>	<u>Sensitive</u>			
20				<u>\$ Amount</u>			
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Maximum 10 entries per Cost Element #

001539

	A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA							
2								
3	Instructions:							
4	1. Use this worksheet to record nonrecurring non-labor expenses to be input into the Calculator calculations.							
5	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).							
6	3. Input data, by Cost Element, leaving no blank lines. On next row							
7	after last line of data, type END in Cost Element Column.							
8	4. All data on this form should be cell-referenced to study workpapers.							
9	5. Do NOT change columns, headings, sheet name.							
10	6. Use column D when cost element has a single nonrecurring cost; use columns E & F for elements with a first							
11	and additional nonrecurring cost; use columns G & H for elements with an initial and subsequent nonrecurring cost.							
12								
13								
14								
15	<u>Cost</u>	<u>Nonrecurring</u>	<u>Nonrecurring</u>	<u>Nonrecurring</u>	<u>Nonrecurring</u>	<u>Nonrecurring</u>	<u>Nonrecurring</u>	<u>Nonrecurring</u>
16	<u>Element #</u>	<u>Expense Description</u>	<u>Expense Description</u>	<u>Expense Description</u>	<u>Expense Description</u>	<u>Expense Description</u>	<u>Expense Description</u>	<u>Expense Description</u>
17		(Limited to 25 characters)	(Limited to 25 characters)	(Limited to 25 characters)	(Limited to 25 characters)	(Limited to 25 characters)	(Limited to 25 characters)	(Limited to 25 characters)
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

Maximum 10 entries per Cost Element #

A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA						
2							
3	Instructions:						
4	1. Use this worksheet to record recurring expensed labor times to be input into the						
5	Calculator calculations.						
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
7	3. Input data, by Cost Element, leaving no blank lines. On next row						
8	after last line of data, type END in Cost Element Column.						
9	4. All data on this form should be cell-referenced to study workpapers.						
10	5. Do NOT change columns, headings, sheet name.						
11							
12							
13							
14	<u>Cost</u>	<u>Labor Expense Description</u>	<u>JFC/</u>	<u>Work Time (Hours)</u>			
15	<u>Element #</u>	<u>(Limited to 25 characters)</u>	<u>Payband</u>	<u>Volume</u>	<u>Sensitive</u>	<u>Volume</u>	<u>Insensitive</u>
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							

Maximum 20 entries per Cost Element #

001541

CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES														
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
Instructions:														
1. Use this worksheet to record nonrecurring labor times to be input into the Calculator calculations.														
2. All amounts shown are per unit (e.g., per call, per loop, per MOU).														
3. Input data, by Cost Element, leaving no blank lines. On next row after last line of data, type END in Cost Element Column.														
4. All data on this form should be cell-referenced to study worksheets.														
5. Do NOT change columns, headings, sheet name.														
6. Use columns F & G when cost element has a single nonrecurring cost; use columns H, I, J, & K for elements with a first and additional nonrecurring cost; use columns L, M, N, & O for elements with an initial and subsequent nonrecurring cost.														
7. Input Cost Element Life (in months) on first row of data for each cost element. It is not necessary to repeat on each line.														
Study Mid-Point Date (Mos.)														
6/1/2001														

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A		B	C	D	E	F	G	H	I	J
1	Tennessee									
2	Interoffice Dedicated Transport									
3	Study Period: 01/2000 - 12/2002									
4										
5	Element #: D.9									
6	Item/Description		FRC	SubFRC	Source	Amount	DESIGNS			
7	Description						1	2	3	4
8	CO Connections OC-12 ON OC48	357C	09	SONET Price Calculator	\$ 93,302.0000			2	4	4
9										
10	C.O. Interface OC-12 on OC-48	357C	09	SONET Price Calculator	\$ 23,325.5000		2	2	2	2
11										
12	C.O. Node - OC-48 BLSR Intermed.	357C	03	SONET Price Calculator	\$ 10,433.4000		1	2	2	5
13	C.O. Node - OC-48 BLSR Intermed.	357C	06	SONET Price Calculator	\$ 32,888.0000		1	2	2	5
14	C.O. Node - OC-48 (BLSR)	357C	03	SONET Price Calculator	\$ 10,433.4000		2	4	6	6
15	C.O. Node - OC-48 (BLSR)	357C	06	SONET Price Calculator	\$ 32,888.0000		2	4	6	6
16										
17	Data Communications - OC-48	357C	15	SONET Price Calculator	\$ 881.0000		1	2	2	3
18										
19	LGX - OC-48 (per fiber port)	357C	03	SONET Price Calculator	\$ 19,8370		6	12	18	18
20	Pigtail - OC-48 (fiber jumper)	357C	03	SONET Price Calculator	\$ 16,3043		6	12	18	18
21										
22	AR-Fiber - OC-48 BLSR Per Weighted Fiber Mile	822C	00	SONET Price Calculator	\$ 70.1591					
23										
24	BU-Fiber - OC-48 BLSR Per Weighted Fiber Mile	845C	00	SONET Price Calculator	\$ 19.2420					
25										
26	UG-Fiber - OC-48 BLSR Per Weighted Fiber Mile	85C	00	SONET Price Calculator	\$ 58.6139					
27										
28	# Fiber strands - OC-3			Network			3	3	3	3
29	# Fiber strands - OC-12			Network			3	3	3	3
30	# Fiber strands - OC-48			Network			3	3	3	3
31										
32	Probability of Occurrence			Network			0.5453	0.1821	0.1821	0.0905
33	Route to Air Ratio			TIRKS	1.28					1.0000

A		B	C	D	E	F	G	H
1	Tennessee							
2	NON RECURRING LABOR							
3	Study Period: 01/2000 - 12/2002							
4								
5	Element #: D.9							
6	Item/Description							
7	Work Group	Description	JFC / JG / WS	Source	First Install Time Hrs	First Disconnect Time Hrs	Additional Install Time Hrs	Additional Disconnect Time Hrs
8	CO INSTALL & MTCE CKT & FAC (NTEL)	Connect	431X	Network	1.4920	1.5966	1.4920	1.5966
9	ACCESS CUSTOMER ADVOCATE CENTER (UNEC)	Connect	4AXX	Network	0.9500	0.0000	0.9500	0.0000
10	CO INSTALL & MTCE CKT & FAC (NTEL)	Test	431X	Network	2.2380	0.0000	2.2380	0.0000
11	ACCESS CUSTOMER ADVOCATE CENTER (UNEC)	Test	4AXX	Network	0.9500	0.0000	0.9500	0.0000
12	CIRCUIT PROVISIONING GROUP (CPG)	Engineering	4N4X	Network	0.1118	0.0412	0.0000	0.0000
13	NETWORK PLANNING & ENGINEERING (PICS)	Engineering	3A2X	Network	0.0333	0.0333	0.0000	0.0000
14	CIRCUIT PROVISIONING GROUP (CPG)	Engineering	4N4X	Network	1.6640	0.2626	1.6640	0.2626
15	COMPLEX RESALE SUPPORT GROUP (CRSG)	Service Inquiry	SDWC	Network	2.0000	0.0000	0.0000	0.0000
16	NETWORK PLANNING & ENGINEERING (FG20)	Service Inquiry	34XX	Network	12.0000	0.0000	0.0000	0.0000
17	CUSTOMER POINT OF CONTACT (LCSC)	Service Order	230X	Network	0.0175	0.0175	0.0175	0.0175
18	ACCESS CUSTOMER ADVOCATE CENTER (UNEC)	Service Order	4AXX	Network	0.0600	0.1800	0.0600	0.1800
19	WORK MANAGEMENT CENTER	Service Order	4WXX	Network	0.2500	0.0000	0.0500	0.0000
20	CO INSTALL & MTCE-SWITCH EQUIP	Service Order	430X	Network	0.1333	0.1166	0.0833	0.1166
21	CUSTOMER POINT OF CONTACT (LCSC) MANUAL	Service Order	230X	Network	1.1783	0.5100	1.1783	0.5100
22								
23	FEATURE ACTIVATION							
24								
25	CO INSTALL & MTCE CKT & FAC (NTEL)	Connect	431X	Network	1.4920	1.5966	1.4920	1.5966
26	ACCESS CUSTOMER ADVOCATE CENTER (UNEC)	Connect	4AXX	Network	0.9500	0.0000	0.9500	0.0000
27	CO INSTALL & MTCE CKT & FAC (NTEL)	Test	431X	Network	2.2380	0.0000	2.2380	0.0000
28	ACCESS CUSTOMER ADVOCATE CENTER (UNEC)	Test	4AXX	Network	0.9500	0.0000	0.9500	0.0000
29	CIRCUIT PROVISIONING GROUP (CPG)	Engineering	4N4X	Network	0.1118	0.0412	0.0000	0.0000
30	NETWORK & ENGINEERING PLANNING (FG20)	Engineering	34XX	Network	4.0000	0.0000	0.0000	0.0000
31	NETWORK PLANNING & ENGINEERING (PICS)	Engineering	3A2X	Network	0.0333	0.0333	0.0000	0.0000
32	CIRCUIT PROVISIONING GROUP (CPG)	Engineering	4N4X	Network	1.6640	0.2626	1.6640	0.2626
33	CUSTOMER POINT OF CONTACT (LCSC)	Service Order	230X	Network	0.0175	0.0175	0.0175	0.0175
34	ACCESS CUSTOMER ADVOCATE CENTER (UNEC)	Service Order	4AXX	Network	0.0600	0.1800	0.0600	0.1800
35	WORK MANAGEMENT CENTER	Service Order	4WXX	Network	0.2500	0.0000	0.0500	0.0000
36	CO INSTALL & MTCE-SWITCH EQUIP	Service Order	430X	Network	0.1333	0.1166	0.0833	0.1166
37	CUSTOMER POINT OF CONTACT (LCSC) MANUAL	Service Order	230X	Network	1.1783	0.5100	1.1783	0.5100
38								
39	Cost element Life (Months) =	52		LocLife.xls				
40								
41								
42								
43								
44								
45								
46								

For LCSC work times longer than the standard half hour the manual work times below apply.

1.1958 - .0175 = 1.1783
 .5275 - .0175 = 0.5100
 1.1958 - .0175 = 1.1783
 .5275 - .0175 = 0.5100

	A	B	C	D	E	F
1	Tennessee					
2	Interoffice Dedicated Transport OC_48					
3	Study Period: 01/2000 - 12/2002					
4						
5	Element #: D.9					
6						
7	Facility Terminations Weighted Material					
8						
9		FRC	Sub FRC	Sub FRC	Sub FRC	SOURCE
10		357C	03	06	09	15
11						
12	Design 1	\$	17,067.999	\$	53,801.479	\$ 480.409 Wp300, Col G, Ln 42 thru 44
13	Design 2	\$	11,399.533	\$	35,933.429	\$ 33,980.588 Wp301, Col G, Ln 44 thru 47
14	Design 3	\$	15,199.377	\$	47,911.238	\$ 67,961.177 Wp302, Col G, Ln 44 thru 47
15	Design 4	\$	10,386.450	\$	32,740.004	\$ 33,775.324 Wp303, Col G, Ln 44 thru 47
16						
17	Total	\$	54,053.359	\$	170,386.150	\$ 135,717.089 \$ 1,361.321 Ln 12 thru Ln 15
18						
19						
20						
21						
22	Per Mile Weighted Material (Route Distance)					
23						
24		822C	845C	85C		SOURCE
25		Sub FRC 00	Sub FRC 00	Sub FRC 00		
26						
27	Design 1	\$	114.773	\$	31.478	\$ 95.887 Wp300, Col G, Ln 45 thru 47
28	Design 2	\$	38.328	\$	10.512	\$ 32.021 Wp301, Col G, Ln 48 thru 50
29	Design 3	\$	38.328	\$	10.512	\$ 32.021 Wp302, Col G, Ln 48 thru 50
30	Design 4	\$	19.048	\$	5.224	\$ 15.914 Wp303, Col G, Ln 48 thru 50
31						
32						
33	Route to Air Ratio		1.28	1.28	1.28	Input Sheet Ln 33
34						
35						
36	Per Mile Weighted Material (Air Mile Distance)					
37						
38		822C	845C	85C		SOURCE
39		Sub FRC 00	Sub FRC 00	Sub FRC 00		
40						
41	Design 1	\$	146.910	\$	40.292	\$ 122.735 Ln 27 * Ln 33
42	Design 2	\$	49.060	\$	13.455	\$ 40.987 Ln 28 * Ln 33
43	Design 3	\$	49.060	\$	13.455	\$ 40.987 Ln 29 * Ln 33
44	Design 4	\$	24.382	\$	6.687	\$ 20.370 Ln 30 * Ln 33
45						
46	Material Per Air Mile	\$	269.411	\$	73.889	\$ 225.078 Ln 41 thru 44
47						
48						
49	Interface Weighted Material					
50		FRC	Sub FRC	Sub FRC		SOURCE
51		357C	03	09		
52						
53	Design 1	\$	118.247	\$	25,438.790	Wp300, Col G, Ln 49 thru 50
54	Design 2	\$	78.976	\$	8,495.147	Wp301, Col G, Ln 52 thru 53
55	Design 3	\$	118.464	\$	8,495.147	Wp302, Col G, Ln 52 thru 53
56	Design 4	\$	58.874	\$	4,221.916	Wp303, Col G, Ln 52 thru 53
57						
57	Total	\$	374.561	\$	46,651.000	Ln 52 thru 55

001545

	A	B	C	D	E	F	G
1	Tennessee				Design 1	OC-48 Ring	
2	Interoffice Dedicated Transport OC_48						
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.9						
6	Item/Description	FRC	SubFRC	Source	Network No Requested	Amount	(E)*(F) Total Mat
7	Description						
8	C.O. Node - OC-48 (BLSR)	357C	03	Input Sheet Ln 14	2	\$ 10,433.40	\$ 20,866.800
9		357C	06	Input Sheet Ln 15	2	\$ 32,888.00	\$ 65,776.000
10							
11	C.O. Node - OC-48 BLSR Intermed.	357C	03	Input Sheet Ln 12	1	\$ 10,433.40	\$ 10,433.400
12		357C	06	Input Sheet Ln 13	1	\$ 32,888.00	\$ 32,888.000
13							
14	C.O. Interface OC-12 on OC-48	357C	09	Input Sheet Ln 10	2	\$ 23,325.50	\$ 46,651.000
15							
16	Data Communications - OC-48	357C	15	Input Sheet Ln 17	1	\$ 881.00	\$ 881.000
17							
18	LGX - OC-48 (per fiber port)	357C	03	Input Sheet Ln 19	6	\$ 19.84	\$ 119.022
19							
20	Pigtail - OC-48 (fiber jumper)	357C	03	Input Sheet Ln 20	6	\$ 16.30	\$ 97.826
21							
22	AR-Fiber - OC-48 BLSR Per Weighted Fiber Mile	822C	00	Input Sheet Ln 22	3	\$ 70.16	\$ 210.477
23							
24	BU-Fiber - OC-48 BLSR Per Weighted Fiber Mile	845C	00	Input Sheet Ln 24	3	\$ 19.24	\$ 57.726
25							
26	UG-Fiber - OC-48 BLSR Per Weighted Fiber Mile	85C	00	Input Sheet Ln 26	3	\$ 58.61	\$ 175.842
27							
28							
29							
30	Total Material by FRC - Design 1	357C	03	Col G, Ln8+Ln11			\$ 31,300.200
31		357C	06	Col G, Ln 9 + Ln 12			\$ 98,664.000
32		357C	15	Col G, Ln 16			\$ 881.000
33		822C	00	Col G, Ln 22			\$ 210.477
34		845C	00	Col G, Ln 24			\$ 57.726
35		85C	00	Col G, Ln 26			\$ 175.842
36							
37	Total Interface by FRC - Design 1	357C	03	Col G, Ln18+Ln20			\$ 216.848
38		357C	09	Col G, Ln 14			\$ 46,651.000
39							
40	Probability of Occurrence - Design 1			Input Sheet Ln 32		0.5453	
41							
42	Weighted Material by FRC - Design 1	357C	03	Col G, Ln 30 * Col F, Ln 40			\$ 17,067.999
43		357C	06	Col G, Ln 31 * Col F, Ln 40			\$ 53,801.479
44		357C	15	Col G, Ln 32 * Col F, Ln 40			\$ 480.409
45		822C	00	Col G, Ln 33 * Col F, Ln 40			\$ 114.773
46		845C	00	Col G, Ln 34 * Col F, Ln 40			\$ 31.478
47		85C	00	Col G, Ln 35 * Col F, Ln 40			\$ 95.887
48							
49	Weighted Interface by FRC - Design 1	357C	03	Col G, Ln 37 * Col F, Ln 40			\$ 118.247
50		357C	09	Col G, Ln 38 * Col F, Ln 40			\$ 25,438.790

001546

	A	B	C	D	E	F	G
1	Tennessee				Design 2	OC-48 Ring	
2	Interoffice Dedicated Transport OC_48						
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.9						
6	Item/Description	FRC	SubFRC	SOURCE	Network No Requested	Amount	(E)*(F) Total Mat
7	Description						
8	C.O. Node - OC-48 (BLSR)	357C	03	Input Sheet Ln 14	4	\$ 10,433.40	\$ 41,733.600
9		357C	06	Input Sheet Ln 15	4	\$ 32,888.00	\$ 131,552.000
10							
11	C.O. Node - OC-48 BLSR Intermed.	357C	03	Input Sheet Ln 12	2	\$ 10,433.40	\$ 20,866.800
12		357C	06	Input Sheet Ln 13	2	\$ 32,888.00	\$ 65,776.000
13							
14	C.O. Interface OC-12 on OC-48	357C	09	Input Sheet Ln 10	2	\$ 23,325.50	\$ 46,651.000
15							
16	Data Communications - OC-48	357C	15	Input Sheet Ln 17	2	\$ 881.00	\$ 1,762.000
17							
18	CO Connections OC-12 ON OC48	357C	09	Input Sheet Ln 8	2	\$ 93,302.00	\$ 186,604.000
19							
20	LGX - OC-48 (per fiber port)	357C	03	Input Sheet Ln 19	12	\$ 19.84	\$ 238.043
21							
22	Pigtail - OC-48 (fiber jumper)	357C	03	Input Sheet Ln 20	12	\$ 16.30	\$ 195.652
23							
24	AR-Fiber - OC-48 BLSR Per Weighted Fiber Mile	822C	00	Input Sheet Ln 22	3	\$ 70.16	\$ 210.477
25							
26	BU-Fiber - OC-48 BLSR Per Weighted Fiber Mile	845C	00	Input Sheet Ln 24	3	\$ 19.24	\$ 57.726
27							
28	UG-Fiber - OC-48 BLSR Per Weighted Fiber Mile	85C	00	Input Sheet Ln 26	3	\$ 58.61	\$ 175.842
29							
30							
31	Total Material by FRC - Design 2	357C	03	Col G, Ln8+Ln11			\$ 62,600.400
32		357C	06	Col G, Ln 9 + Ln 12			\$ 197,328.000
33		357C	09	Col G, Ln 18			\$ 186,604.000
34		357C	15	Col G, Ln 16			\$ 1,762.000
35		822C	00	Col G, Ln 24			\$ 210.477
36		845C	00	Col G, Ln 26			\$ 57.726
37		85C	00	Col G, Ln 28			\$ 175.842
38							
39	Total Interface by FRC - Design 2	357C	03	Col G, Ln20+Ln22			\$ 433.696
40		357C	09	Col G, Ln 14			\$ 46,651.000
41							
42	Probability of Occurrence - Design 2			Input Sheet Ln 32		0.1821	
43							
44	Weighted Material by FRC - Design 2	357C	03	Col G, Ln 31 * Col F, Ln 42			\$ 11,399.533
45		357C	06	Col G, Ln 32 * Col F, Ln 42			\$ 35,933.429
46		357C	09	Col G, Ln 33 * Col F, Ln 42			\$ 33,980.588
47		357C	15	Col G, Ln 34 * Col F, Ln 42			\$ 320.860
48		822C	00	Col G, Ln 35 * Col F, Ln 42			\$ 38.328
49		845C	00	Col G, Ln 36 * Col F, Ln 42			\$ 10.512
50		85C	00	Col G, Ln 37 * Col F, Ln 42			\$ 32.021
51							
52	Weighted Interface by FRC - Design 2	357C	03	Col G, Ln 39 * Col F, Ln 42			\$ 78.976
53		357C	09	Col G, Ln 40 * Col F, Ln 42			\$ 8,495.147

001547

	A	B	C	D	E	F	G
1	Tennessee				Design 3	OC-48 Ring	
2	Interoffice Dedicated Transport OC_48						
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.9						
6	Item/Description				Network No		(E)*(F)
7	Description	FRC	SubFRC	SOURCE	Requested	Amount	Total Mat
8	C.O. Node - OC-48 (BLSR)	357C	03	Input Sheet Ln 14	6	\$ 10,433.40	\$ 62,600.400
9		357C	06	Input Sheet Ln 15	6	\$ 32,888.00	\$ 197,328.000
10							
11	C.O. Node - OC-48 BLSR Intermed.	357C	03	Input Sheet Ln 12	2	\$ 10,433.40	\$ 20,866.800
12		357C	06	Input Sheet Ln 13	2	\$ 32,888.00	\$ 65,776.000
13							
14	C.O. Interface OC-12 on OC-48	357C	09	Input Sheet Ln 10	2	\$ 23,325.50	\$ 46,651.000
15							
16	Data Communications - OC-48	357C	15	Input Sheet Ln 17	2	\$ 881.00	\$ 1,762.000
17							
18	CO Connections OC-12 ON OC48	357C	09	Input Sheet Ln 8	4	\$ 93,302.00	\$ 373,208.000
19							
20	LGX - OC-48 (per fiber port)	357C	03	Input Sheet Ln 19	18	\$ 19.84	\$ 357.065
21							
22	Pigtail - OC-48 (fiber jumper)	357C	03	Input Sheet Ln 20	18	\$ 16.30	\$ 293.478
23							
24	AR-Fiber - OC-48 BLSR Per Weighted Fiber Mile	822C	00	Input Sheet Ln 22	3	\$ 70.16	\$ 210.477
25							
26	BU-Fiber - OC-48 BLSR Per Weighted Fiber Mile	845C	00	Input Sheet Ln 24	3	\$ 19.24	\$ 57.726
27							
28	UG-Fiber - OC-48 BLSR Per Weighted Fiber Mile	85C	00	Input Sheet Ln 26	3	\$ 58.61	\$ 175.842
29							
30							
31	Total Material by FRC - Design 3	357C	03	Col G, Ln 8+Ln 11			\$ 83,467.200
32		357C	06	Col G, Ln 9 + Ln 12			\$ 263,104.000
33		357C	09	Col G, Ln 18			\$ 373,208.000
34		357C	15	Col G, Ln 16			\$ 1,762.000
35		822C	00	Col G, Ln 24			\$ 210.477
36		845C	00	Col G, Ln 26			\$ 57.726
37		85C	00	Col G, Ln 28			\$ 175.842
38							
39	Total Interface by FRC - Design 3	357C	03	Col G, Ln 20+Ln 22			\$ 650.543
40		357C	09	Col G, Ln 14			\$ 46,651.000
41							
42	Probability of Occurrence - Design 3			Input Sheet Ln 32		0.1821	
43							
44	Weighted Material by FRC - Design 3	357C	03	Col G, Ln 31 * Col F, Ln 42			\$ 15,199.377
45		357C	06	Col G, Ln 32 * Col F, Ln 42			\$ 47,911.238
46		357C	09	Col G, Ln 33 * Col F, Ln 42			\$ 67,961.177
47		357C	15	Col G, Ln 34 * Col F, Ln 42			\$ 320.860
48		822C	00	Col G, Ln 35 * Col F, Ln 42			\$ 38.328
49		845C	00	Col G, Ln 36 * Col F, Ln 42			\$ 10.512
50		85C	00	Col G, Ln 37 * Col F, Ln 42			\$ 32.021
51							
52	Weighted Interface by FRC - Design 3	357C	03	Col G, Ln 39 * Col F, Ln 42			\$ 118.464
53		357C	09	Col G, Ln 40 * Col F, Ln 42			\$ 8,495.147

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	A	B	C	D	E	F	G
1	Tennessee				Design 4	OC-48 Ring	
2	Interoffice Dedicated Transport OC_48						
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.9						
6	Item/Description	FRC	SubFRC	SOURCE	Network No Requested	Amount	(E)*(F) Total Mat
7	Description						
8	C.O. Node - OC-48 (BLSR)	357C	03	Input Sheet Ln 14	6	\$ 10,433.40	\$ 62,600.400
9		357C	06	Input Sheet Ln 15	6	\$ 32,888.00	\$ 197,328.000
10							
11	C.O. Node - OC-48 BLSR Intermed.	357C	03	Input Sheet Ln 12	5	\$ 10,433.40	\$ 52,167.000
12		357C	06	Input Sheet Ln 13	5	\$ 32,888.00	\$ 164,440.000
13							
14	C.O. Interface OC-12 on OC-48	357C	09	Input Sheet Ln 10	2	\$ 23,325.50	\$ 46,651.000
15							
16	Data Communications - OC-48	357C	15	Input Sheet Ln 17	3	\$ 881.00	\$ 2,643.000
17							
18	CO Connections OC-12 ON OC48	357C	09	Input Sheet Ln 8	4	\$ 93,302.00	\$ 373,208.000
19							
20	LGX - OC-48 (per fiber port)	357C	03	Input Sheet Ln 19	18	\$ 19.84	\$ 357.065
21							
22	Pigtail - OC-48 (fiber jumper)	357C	03	Input Sheet Ln 20	18	\$ 16.30	\$ 293.478
23							
24	AR-Fiber - OC-48 BLSR Per Weighted Fiber Mile	822C	00	Input Sheet Ln 22	3	\$ 70.16	\$ 210.477
25							
26	BU-Fiber - OC-48 BLSR Per Weighted Fiber Mile	845C	00	Input Sheet Ln 24	3	\$ 19.24	\$ 57.726
27							
28	UG-Fiber - OC-48 BLSR Per Weighted Fiber Mile	85C	00	Input Sheet Ln 26	3	\$ 58.61	\$ 175.842
29							
30							
31	Total Material by FRC - Design 4	357C	03	Col G, Ln8+Ln11			\$ 114,767.400
32		357C	06	Col G, Ln 9 + Ln 12			\$ 361,768.000
33		357C	09	Col G, Ln 18			\$ 373,208.000
34		357C	15	Col G, Ln 16			\$ 2,643.000
35		822C	00	Col G, Ln 24			\$ 210.477
36		845C	00	Col G, Ln 26			\$ 57.726
37		85C	00	Col G, Ln 28			\$ 175.842
38							
39	Total Interface by FRC - Design 4	357C	03	Col G, Ln20+Ln22			\$ 650.543
40		357C	09	Col G, Ln 14			\$ 46,651.000
41							
42	Probability of Occurrence - Design 4			Input Sheet Ln 32		0.0905	
43							
44	Weighted Material by FRC - Design 4	357C	03	Col G, Ln 31 * Col F, Ln 42			\$ 10,386.450
45		357C	06	Col G, Ln 32 * Col F, Ln 42			\$ 32,740.004
46		357C	09	Col G, Ln 33 * Col F, Ln 42			\$ 33,775.324
47		357C	15	Col G, Ln 34 * Col F, Ln 42			\$ 239.192
48		822C	00	Col G, Ln 35 * Col F, Ln 42			\$ 19.048
49		845C	00	Col G, Ln 36 * Col F, Ln 42			\$ 5.224
50		85C	00	Col G, Ln 37 * Col F, Ln 42			\$ 15.914
51							
52	Weighted Interface by FRC - Design 4	357C	03	Col G, Ln 39 * Col F, Ln 42			\$ 58.874
53		357C	09	Col G, Ln 40 * Col F, Ln 42			\$ 4,221.916

001549

	A	B	C	D	E	F	G	H	I	J	K
1	Tennessee										
2	Index Sheet										
3	Study Period: 01/2000 - 12/2002										
4											
5											
6											
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36											
37											

Sheet Name:
Index
Investments
Additives_Recurring
Additives_Nonrecurring
Recurring Labor
Nonrecurring Labor
INPUT
INPUTS_NRC
WP200
WP300
WP301
WP302
WP303
WP304
WP305
WP306
WP307
WP308
WP309
WP310
WP311
WP312

Description:
IO_STS-1
CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA
CALCULATOR INPUT FORM - RECURRING EXPENSES DATA
CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA
CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA
CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES
Interface Dedicated Transport STS-1
Non Recurring Labor
SUMMARY
DESIGN 1
DESIGN 2
DESIGN 3
DESIGN 4
DESIGN 5
DESIGN 6
DESIGN 7
DESIGN 8
DESIGN 9
DESIGN 10
DESIGN 11
DESIGN 12
DESIGN 13

IO_STS-1

BellSouth Telecommunications, Inc.

A	B	C	D	E	F	G	H	I	J
CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA									
1	Instructions:								
2	1. Use this worksheet to record material and/or investments to be input into the								
3	Calculator calculations.								
4	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).								
5	3. Input data, by Cost Element, leaving no blank lines. On next row								
6	after last line of data, type END in Cost Element Column.								
7	4. All data on this form should be cell-referenced to study workpapers.								
8	5. Do NOT change columns, headings, sheet name.								
9									
10									
11									
12									
13									
14	<u>State</u>	<u>Cost</u>	<u>Sub</u>	<u>Volume</u>	<u>Volume</u>				
15	TN	D.10.2	FRC	FRC	Sensitive	Insensitive			
16	TN	D.10.2	03	357C	\$ Amount	\$ Amount			
17	TN	D.10.2	06	357C	4,494.300	13,016.865			
18	TN	D.10.2	09	357C	3,104.213	98.935			
19	TN	D.10.1	15	357C	23.731	6.509			
20	TN	D.10.1	00	822C	19.826				
21	TN	D.10.1	00	845C					
22		END	00	85C					
23									
24									
25									

A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - RECURRING EXPENSES DATA						
2	Instructions: 1. Use this worksheet to record recurring non-labor expenses to be input into the Calculator calculations. 2. All amounts shown are per unit (e.g., per call, per loop, per MOU). 3. Input data, by Cost Element, leaving no blank lines. On next row after last line of data, type END in Cost Element Column. 4. All data on this form should be call-referenced to study workpapers. 5. Do NOT change columns, headings, sheet name.						
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17	<u>State</u>	<u>Cost</u>	<u>Recurring</u>	<u>Recurring</u>			
18	<u>Element #</u>	<u>Expense Description</u>	<u>Volume</u>	<u>Volume</u>			
19		<u>(Limited to 25 characters)</u>	<u>Sensitive</u>	<u>Insensitive</u>			
20			<u>\$ Amount</u>	<u>\$ Amount</u>			
21							
22							
23							
24							
25							
26							
27							
28	Maximum 10 entries per Cost Element #						
29							
30							

001552

A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA						
2							
3	Instructions:						
4	1. Use this worksheet to record nonrecurring non-labor expenses to be input into the Calculator calculations.						
5	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
6	3. Input data, by Cost Element, leaving no blank lines. On next row						
7	after last line of data, type END in Cost Element Column.						
8	4. All data on this form should be cell-referenced to study workpapers.						
9	5. Do NOT change columns, headings, sheet name.						
10	6. Use column D when cost element has a single nonrecurring cost; use columns E & F for elements with a first						
11	and additional nonrecurring cost; use columns G & H for elements with an initial and subsequent nonrecurring cost.						
12							
13							
14							
15							
16	State	Cost	Nonrecurring	Nonrecurring	Nonrecurring	Nonrecurring	Nonrecurring
17	Element #	Expense Description	\$ Amount	First	Additional	Initial	Subsequent
18		(Limited to 25 characters)		\$ Amount	\$ Amount	\$ Amount	\$ Amount
19							
20							
21							
22							
23							
24							
25							
26							
27	Maximum 10 entries per Cost Element #						
28							
29							
30							

A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA						
2							
3	Instructions:						
4	1. Use this worksheet to record recurring expensed labor times to be input into the						
5	Calculator calculations.						
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
7	3. Input data, by Cost Element, leaving no blank lines. On next row						
8	after last line of data, type END in Cost Element Column.						
9	4. All data on this form should be cell-referenced to study workpapers.						
10	5. Do NOT change columns, headings, sheet name.						
11							
12							
13							
14	<u>State</u>	<u>Cost</u>	<u>Labor Expense Description</u>	<u>JFC/</u>	<u>Work Time (Hours)</u>	<u>Volume</u>	<u>Volume</u>
15	<u>Element #</u>		<u>(Limited to 25 characters)</u>	<u>Payband</u>	<u>Sensitive</u>	<u>Insensitive</u>	
16							
17							
18							
19							
20							
21							
22							
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25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37	Maximum 20 entries per Cost Element #						
38							

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES													
2	Instructions:													
3	1. Use this worksheet to record nonrecurring labor times to be input into the Calculator calculations.													
4	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).													
5	3. Input data, by Cost Element, leaving no blank lines. On next row													
6	after last line of data, type END in Cost Element Column.													
7	4. All data on this form should be cell-referenced to study workpapers.													
8	5. Do NOT change columns, headings, sheet name.													
9	6. Use columns F & G when cost element has a single nonrecurring cost; use columns H, I, J, & K for elements with a first													
10	and additional nonrecurring cost; use columns L, M, N & O for elements with an initial and subsequent nonrecurring cost.													
11	7. Input Cost Element Life (in months) on first row of data for each cost element. It is not necessary to repeat on each line.													
12														
13														
14														
15	Study Mid-Point Date (Mos.) 6/1/2001													
16														
17														
18														
19	State	Cost Element #	Cost Element Life (Mo)	Labor Expense Description (Limited to 25 characters)	JFC/ Payband	(For use w/ one NR)		First		Additional		Initial		Subsequent
20						Installation	Disconnect	Time	Time	Time	Time	Time	Time	Time
21	TN	D 10.2	52	Connect	431X	1.4920	0.0000	0.0000	1.4920	0.0000	0.0000	0.0000	0.0000	
22	TN	D 10.2	52	Connect	4AXX	0.9500	0.0000	0.0000	0.9500	0.0000	0.0000	0.0000	0.0000	
23	TN	D 10.298	52	Test	431X	2.2380	0.0000	0.0000	2.2380	0.0000	0.0000	0.0000	0.0000	
24	TN	D 10.298	52	Test	4AXX	0.9500	0.0000	0.0000	0.9500	0.0000	0.0000	0.0000	0.0000	
25	TN	D 10.2	52	Engineering	4N4X	0.1118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
26	TN	D 10.2	52	Engineering	3A2X	0.0333	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
27	TN	D 10.2	52	Engineering	4N4X	1.6640	0.0000	0.0000	1.6640	0.0000	0.0000	0.0000	0.0000	
28	TN	D 10.2	52	Service Inquiry	SDWC	2.0000	0.0000	0.0000	2.0000	0.0000	0.0000	0.0000	0.0000	
29	TN	D 10.2	52	Service Inquiry	3AXX	2.2500	0.0000	0.0000	2.2500	0.0000	0.0000	0.0000	0.0000	
30	TN	D 10.2	52	Service Order	230X	0.0175	0.0000	0.0000	0.0175	0.0000	0.0000	0.0000	0.0000	
31	TN	D 10.2	52	Service Order	4AXX	0.0600	0.0000	0.0000	0.0600	0.0000	0.0000	0.0000	0.0000	
32	TN	D 10.2	52	Service Order	4WXX	0.2500	0.0000	0.0000	0.2500	0.0000	0.0000	0.0000	0.0000	
33	TN	D 10.2	52	Service Order	430X	0.1333	0.0000	0.0000	0.1333	0.0000	0.0000	0.0000	0.0000	
34	TN	D 10.3	52	Service Order	230X	1.1783	0.0000	0.0000	1.1783	0.0000	0.0000	0.0000	0.0000	
35	TN	D 10.299	52	Connect	431X	0.0000	1.5966	0.0000	0.0000	1.5966	0.0000	0.0000	0.0000	
36	TN	D 10.299	52	Engineering	4N4X	0.0000	0.0412	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
37	TN	D 10.299	52	Engineering	3A2X	0.0000	0.0333	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
38	TN	D 10.299	52	Engineering	4N4X	0.0000	0.2626	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
39	TN	D 10.299	52	Service Order	230X	0.0000	0.0175	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
40	TN	D 10.299	52	Service Order	4AXX	0.0000	0.1800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
41	TN	D 10.299	52	Service Order	430X	0.0000	0.1166	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
42	TN	D 10.399	52	Service Order	230X	0.0000	0.5100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
43	END													
44	Maximum of 25 entries per Cost Element #													
45														
46														
47														

001555

A										E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	Tennessee																							
2	Interface Dedicated Transport STS-1																							
3	Study Period: 01/2000 - 12/2002																							
4																								
5	Element #: D.10																							
6	Item/Description	FRC	SubFRC	Source	Amount	1	2	3	4	5	6	7	8	9	10	11	12	13						
7																								
8	C.O. Connection STS-1 on OC-3	357C	03	SONET Price Calculator	\$ 200.9765																			
9	C.O. Connection STS-1 on OC-3	357C	06	SONET Price Calculator	\$ 1,971.2000																			
10	C.O. Connection STS-1 on OC-12	357C	03	SONET Price Calculator	\$ 200.9765																			
11	C.O. Connection STS-1 on OC-12	357C	06	SONET Price Calculator	\$ 1,601.9900																			
12	C.O. Connection STS-1 on OC-48 - Mux & Prot.	357C	06	SONET Price Calculator	\$ 334.8279																			
13	C.O. Connection STS-1 on OC-48 - Working	357C	03	SONET Price Calculator	\$ 200.9765																			
14	C.O. Connection STS-1 on OC-48 - Working	357C	09	SONET Price Calculator	\$ 877.1000																			
15	C.O. Interface STS-1 on OC-3	357C	03	SONET Price Calculator	\$ 200.9765																			
16	C.O. Interface STS-1 on OC-3	357C	09	SONET Price Calculator	\$ 1,971.2000																			
17	C.O. Interface STS-1 on OC-12	357C	03	SONET Price Calculator	\$ 200.9765																			
18	C.O. Interface STS-1 on OC-12	357C	09	SONET Price Calculator	\$ 1,636.1194																			
19	C.O. Interface STS-1 on OC-48 - Mux & Prot.	357C	06	SONET Price Calculator	\$ 334.8279																			
20	C.O. Interface STS-1 on OC-48 - Working	357C	03	SONET Price Calculator	\$ 200.9765																			
21	C.O. Interface STS-1 on OC-48 - Working	357C	09	SONET Price Calculator	\$ 877.1000																			
22	C.O. Node - OC-3	357C	03	SONET Price Calculator	\$ 274.1497																			
23	C.O. Node - OC-3	357C	06	SONET Price Calculator	\$ 6,360.5442																			
24	C.O. Node - OC-3 Term (Pt. to Pt.)	357C	03	SONET Price Calculator	\$ 274.3587																			
25	C.O. Node - OC-3 Term (Pt. to Pt.)	357C	06	SONET Price Calculator	\$ 5,387.8512																			
26	C.O. Node - OC-3+	357C	03	SONET Price Calculator	\$ 690.4938																			
27	C.O. Node - OC-3+	357C	06	SONET Price Calculator	\$ 4,994.7041																			
28	C.O. Node - OC-12	357C	03	SONET Price Calculator	\$ 223.6475																			
29	C.O. Node - OC-12	357C	06	SONET Price Calculator	\$ 2,775.6981																			
30	C.O. Node - OC-48 BLSR Intermed.	357C	03	SONET Price Calculator	\$ 1,092.2736																			
31	C.O. Node - OC-48 BLSR Intermed.	357C	06	SONET Price Calculator	\$ 2,998.0072																			
32	C.O. Node - OC-48 (BLSR)	357C	03	SONET Price Calculator	\$ 508.4239																			
33	C.O. Node - OC-48 (BLSR)	357C	06	SONET Price Calculator	\$ 1,499.0036																			
34	Data Communications - OC-3	357C	15	SONET Price Calculator	\$ 665.9108																			
35	Data Communications - OC-12	357C	15	SONET Price Calculator	\$ 128.1268																			
36	Data Communications - OC-48	357C	15	SONET Price Calculator	\$ 39.9004																			
37	AR-Fiber - OC-3 Per Weighted Fiber Mile	822C	00	SONET Price Calculator	\$ 53.0303																			
38	AR-Fiber - OC-12 Per Weighted Fiber Mile	822C	00	SONET Price Calculator	\$ 10.2035																			
39	AR-Fiber - OC-48 BLSR Per Weighted Fiber Mile	822C	00	SONET Price Calculator	\$ 3.1775																			
40	BU-Fiber - OC-3 Per Weighted Fiber Mile	845C	00	SONET Price Calculator	\$ 14.5442																			
41	BU-Fiber - OC-12 Per Weighted Fiber Mile	845C	00	SONET Price Calculator	\$ 2.7984																			
42	BU-Fiber - OC-48 BLSR Per Weighted Fiber Mile	845C	00	SONET Price Calculator	\$ 0.8715																			
43	UG-Fiber - OC-3 Per Weighted Fiber Mile	85C	00	SONET Price Calculator	\$ 44.3038																			
44	UG-Fiber - OC-12 Per Weighted Fiber Mile	85C	00	SONET Price Calculator	\$ 8.5244																			
45	UG-Fiber - OC-48 BLSR Per Weighted Fiber Mile	85C	00	SONET Price Calculator	\$ 2.6546																			
46	# Fiber strands - OC-3			Network																				
47	# Fiber strands - OC-12			Network																				
48	# Fiber strands - OC-48			Network																				
49	Probability of Occurrence			Network																				
50	DSX-3 Panel (1 port)			PPSM																				
51	Route to Air Ratio	357C	03	TIRKS	\$ 200.9800																			
					1.28																			

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A		B	C	D	E	F	G	H
1	Tennessee							
2	Non Recurring Labor							
3	Study Period: 01/2000 - 12/2002							
4								
5	Element #: D.10							
6	Item/Description							
7	Work Group	Description	JFC/JG/WS	Source	First Install Time Hrs	First Disconnect Time Hrs	Additional Install Time Hrs	Additional Disconnect Time Hrs
8	CO INSTALL & MTCE CKT & FAC (NTEL)	Connect	431X	Network	1.4920	1.5966	1.4920	1.5966
9	ACCESS CUSTOMER ADVOCATE CENTER (UNEC)	Connect	4AXX	Network	0.9500	0.0000	0.9500	0.0000
10	CO INSTALL & MTCE CKT & FAC (NTEL)	Test	431X	Network	2.2380	0.0000	2.2380	0.0000
11	ACCESS CUSTOMER ADVOCATE CENTER (UNEC)	Test	4AXX	Network	0.9500	0.0000	0.9500	0.0000
12	CIRCUIT PROVISIONING GROUP (CPG)	Engineering	4N4X	Network	0.1118	0.0412	0.0000	0.0000
13	NETWORK PLANNING & ENGINEERING (PICS)	Engineering	3A2X	Network	0.0333	0.0333	0.0000	0.0000
14	CIRCUIT PROVISIONING GROUP (CPG)	Engineering	4N4X	Network	1.6640	0.2626	1.6640	0.2626
15	COMPLEX RESALE SUPPORT GROUP (CRSG)	Service Inquiry	SDWC	Network	2.0000	0.0000	0.0000	0.0000
16	NETWORK PLANNING & ENGINEERING (FG20)	Service Inquiry	34XX	Network	2.2500	0.0000	0.2500	0.0000
17	CUSTOMER POINT OF CONTACT (LCSC)	Service Order	230X	Network	0.0175	0.0175	0.0175	0.0175
18	ACCESS CUSTOMER ADVOCATE CENTER (UNEC)	Service Order	4AXX	Network	0.0600	0.1800	0.0600	0.1800
19	WORK MANAGEMENT CENTER	Service Order	4WXX	Network	0.2500	0.0000	0.0500	0.0000
20	CO INSTALL & MTCE-SWITCH EQUIP	Service Order	430X	Network	0.1333	0.1166	0.0833	0.1166
21	CUSTOMER POINT OF CONTACT (LCSC) MANUAL	Service Order	230X	Network	1.1783	0.5100	1.1783	0.5100
22								
23								
24	Cost element Life (Months) =	52		LocLife.xls				
25								
26		For LCSC work times longer than the standard half hour the manual work times below apply.						
27								
28		1.1958 - .0175 =	1.1783					
29		.5275 - .0175 =	0.5100					
30		1.1958 - .0175 =	1.1783					
31		.5275 - .0175 =	0.5100					

001557

	A	B	C	D	E	F
1	Tennessee					
2	Interoffice Dedicated Transport STS-1					
3	Study Period: 01/2000 - 12/2002					
4						
5	Element #: D.10					
6						
7	Facility Terminations Weighted Material					
8		FRC	Sub FRC	Sub FRC	Sub FRC	Sub FRC
9		357C	03	06	09	15 SOURCE
10						
11	Design 1	\$ 1,162.627	\$ 3,086.205	\$ 812.195	\$ 18.474	Wp300, Col G, Ln 38 thru 41
12	Design 2	\$ 778.433	\$ 2,066.358	\$ 543.802	\$ 12.369	Wp301, Col G, Ln 43 thru 46
13	Design 3	\$ 998.347	\$ 2,634.846	\$ 815.703	\$ 12.369	Wp302, Col G, Ln 43 thru 46
14	Design 4	\$ 748.268	\$ 2,001.463	\$ 405.220	\$ 9.217	Wp303, Col G, Ln 43 thru 46
15	Design 5	\$ 83.768	\$ 426.150	\$ 74.587	\$ 3.697	Wp304, Col G, Ln 61 thru 64
16	Design 6	\$ 57.048	\$ 488.523	\$ 143.979	\$ 5.638	Wp305, Col G, Ln 33 thru 36
17	Design 7	\$ 66.888	\$ 681.141	\$ 71.989	\$ 5.638	Wp306, Col G, Ln 36 thru 39
18	Design 8	\$ 12.244	\$ 190.816	\$ 39.424	\$ 6.659	Wp307, Col G, Ln 33 thru 36
19	Design 9	\$ 84.797	\$ 549.417	\$ 86.733	\$ 2.819	Wp308, Col G, Ln 33 thru 36
20	Design 10	\$ 74.710	\$ 554.370	\$ 74.508	\$ 14.116	Wp309, Col G, Ln 61 thru 64
21	Design 11	\$ 25.209	\$ 337.576	\$ 36.073	\$ 7.940	Wp310, Col G, Ln 57 thru 60
22	Design 12	\$ -	\$ -	\$ -		Wp311, Col G, Ln 30 thru 32
23	Design 13	\$ -	\$ -	\$ -		Wp312, Col G, Ln 30 thru 32
24						
25	Total Designs	\$ 4,092.340	\$ 13,016.865	\$ 3,104.213	\$ 98.935	Ln 11 thru 23
26						
27	DSX-3 Panel * (2 ports)	\$ 401.960				Input Sheet Ln50
28						
29	Total	\$ 4,494.300	\$ 13,016.865	\$ 3,104.213	\$ 98.935	Ln 25 + Ln 27
30						
31						
32	Per Mile Weighted Material (Route Distance)					
33						
34		822C	845C	85C		
35		Sub FRC 00	Sub FRC 00	Sub FRC 00		
36						
37	Design 1	\$ 4.414	\$ 1.210	\$ 3.687		Wp300, Col G, Ln 42 thru 44
38	Design 2	\$ 1.478	\$ 0.405	\$ 1.234		Wp301, Col G, Ln 47 thru 49
39	Design 3	\$ 1.478	\$ 0.405	\$ 1.234		Wp302, Col G, Ln 47 thru 49
40	Design 4	\$ 0.734	\$ 0.201	\$ 0.613		Wp303, Col G, Ln 47 thru 49
41	Design 5	\$ 0.883	\$ 0.242	\$ 0.738		Wp304, Col G, Ln 65 thru 67
42	Design 6	\$ 1.347	\$ 0.369	\$ 1.125		Wp305, Col G, Ln 37 thru 39
43	Design 7	\$ 0.673	\$ 0.185	\$ 0.563		Wp306, Col G, Ln 40 thru 42
44	Design 8	\$ 1.591	\$ 0.436	\$ 1.329		Wp307, Col G, Ln 37 thru 39
45	Design 9	\$ 0.673	\$ 0.185	\$ 0.563		Wp308, Col G, Ln 37 thru 39
46	Design 10	\$ 3.372	\$ 0.925	\$ 2.818		Wp309, Col G, Ln 65 thru 67
47	Design 11	\$ 1.897	\$ 0.520	\$ 1.585		Wp310, Col G, Ln 61 thru 63
48	Design 12	\$ -	\$ -	\$ -		Wp311, Col G, Ln 33 thru 35
49	Design 13	\$ -	\$ -	\$ -		Wp312, Col G, Ln 33 thru 35
50						
51	Total Designs	\$ 18.540	\$ 5.085	\$ 15.489		Ln 37 thru 49
52						
53	Route to Air Ratio	1.280	1.280	1.280		Input Sheet Ln 51
54						
55	Material Per Air Mile	\$ 23.731	\$ 6.509	\$ 19.826		Ln 51 * Ln 53

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	A	B	C	D	E	F	G
1	Tennessee						
2	Interoffice Dedicated Transport STS-1					Design 1- OC48 Ring	
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.10						
6	Item/Description				Network No		(E)*(F)
7	Description	FRC	SubFRC	SOURCE	Requested	Amount	Total Mat
8	C.O. Node - OC-48 (BLSR)	357C	03	Input Sheet Ln32	2	\$ 508.42	\$ 1,016.848
9		357C	06	Input Sheet Ln33	2	\$ 1,499.00	\$ 2,998.007
10							
11	C.O. Node - OC-48 BLSR Intermed.	357C	03	Input Sheet Ln30	1	\$ 1,092.27	\$ 1,092.274
12		357C	06	Input Sheet Ln31	1	\$ 2,998.01	\$ 2,998.007
13							
14	C.O. Interface STS-1 on OC-48 - Mux & Prot.	357C	06	Input Sheet Ln19	2	\$ 334.83	\$ 669.656
15							
16	C.O. Interface STS-1 on OC-48 - Working	357C	03	Input Sheet Ln20	2	\$ 200.98	\$ 401.953
17		357C	09	Input Sheet Ln21	2	\$ 877.10	\$ 1,754.200
18							
19	Data Communications - OC-48	357C	15	Input Sheet Ln36	1	\$ 39.90	\$ 39.900
20							
21	AR-Fiber - OC-48 BLSR Per Weighted Fiber Mile	822C	00	Input Sheet Ln39	3	\$ 3.18	\$ 9.532
22							
23	BU-Fiber - OC-48 BLSR Per Weighted Fiber Mile	845C	00	Input Sheet Ln42	3	\$ 0.87	\$ 2.614
24							
25	UG-Fiber - OC-48 BLSR Per Weighted Fiber Mile	85C	00	Input Sheet Ln45	3	\$ 2.65	\$ 7.964
26							
27							
28	Total Material by FRC - Design 1	357C	03	Col G Ln8+Ln11+Ln16			\$ 2,511.074
29		357C	06	Col G Ln9+Ln12+Ln14			\$ 6,665.670
30		357C	09	Col G Ln17			\$ 1,754.200
31		357C	15	Col G Ln19			\$ 39.900
32		822C	00	Col G Ln21			\$ 9.532
33		845C	00	Col G Ln23			\$ 2.614
34		85C	00	Col G Ln25			\$ 7.964
35							
36	Probability of Occurrence - Design 1			Input Sheet Ln49		0.463	
37							
38	Weighted Material by FRC - Design 1	357C	03	Col G Ln 28 * Ln 36			\$ 1,162.627
39		357C	06	Col G Ln 29 * Ln 36			\$ 3,086.205
40		357C	09	Col G Ln 30 * Ln 36			\$ 812.195
41		357C	15	Col G Ln 31 * Ln 36			\$ 18.474
42		822C	00	Col G Ln 32 * Ln 36			\$ 4.414
43		845C	00	Col G Ln 33 * Ln 36			\$ 1.210
44		85C	00	Col G Ln 34 * Ln 36			\$ 3.687

001559

	A	B	C	D	E	F	G
1	Tennessee						
2	Interoffice Dedicated Transport STS-1				Design 2 - OC48 Ring		
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.10						
6	Item/Description	FRC	SubFRC	SOURCE	Network No Requested	Amount	(E)*(F) Total Mat
7	Description						
8	C.O. Node - OC-48 (BLSR)	357C	03	Input Sheet Ln32	4	\$ 508.42	\$ 2,033.696
9		357C	06	Input Sheet Ln33	4	\$ 1,499.00	\$ 5,996.014
10							
11	C.O. Node - OC-48 BLSR Intermed.	357C	03	Input Sheet Ln30	2	\$ 1,092.27	\$ 2,184.547
12		357C	06	Input Sheet Ln31	2	\$ 2,998.01	\$ 5,996.014
13							
14	C.O. Interface STS-1 on OC-48 - Mux & Prot.	357C	06	Input Sheet Ln19	2	\$ 334.83	\$ 669.656
15							
16	C.O. Interface STS-1 on OC-48 - Working	357C	03	Input Sheet Ln20	2	\$ 200.98	\$ 401.953
17		357C	09	Input Sheet Ln21	2	\$ 877.10	\$ 1,754.200
18							
19	Data Communications - OC-48	357C	15	Input Sheet Ln36	2	\$ 39.90	\$ 79.801
20							
21	C.O. Connection STS-1 on OC-48 - Mux & Prot.	357C	06	Input Sheet Ln12	2	\$ 334.83	\$ 669.656
22							
23	C.O. Connection STS-1 on OC-48 - Working	357C	03	Input Sheet Ln13	2	\$ 200.98	\$ 401.953
24		357C	09	Input Sheet Ln14	2	\$ 877.10	\$ 1,754.200
25							
26	AR-Fiber - OC-48 BLSR Per Weighted Fiber Mile	822C	00	Input Sheet Ln39	3	\$ 3.18	\$ 9.532
27							
28	BU-Fiber - OC-48 BLSR Per Weighted Fiber Mile	845C	00	Input Sheet Ln42	3	\$ 0.87	\$ 2.614
29							
30	UG-Fiber - OC-48 BLSR Per Weighted Fiber Mile	85C	00	Input Sheet Ln45	3	\$ 2.65	\$ 7.964
31							
32							
33	Total Material by FRC - Design 2	357C	03	Col G Ln8+Ln11+Ln16+Ln23			\$ 5,022.149
34		357C	06	Col G Ln9+Ln12+Ln14+Ln21			\$ 13,331.340
35		357C	09	Col G Ln17+Ln24			\$ 3,508.400
36		357C	15	Col G Ln19			\$ 79.801
37		822C	00	Col G Ln26			\$ 9.532
38		845C	00	Col G Ln28			\$ 2.614
39		85C	00	Col G Ln30			\$ 7.964
40							
41	Probability of Occurrence - Design 2			Input Sheet Ln49		0.155	
42							
43	Weighted Material by FRC - Design 2	357C	03	Col G Ln 33 * Ln 41			\$ 778.433
44		357C	06	Col G Ln 34 * Ln 41			\$ 2,066.358
45		357C	09	Col G Ln 35 * Ln 41			\$ 543.802
46		357C	15	Col G Ln 36 * Ln 41			\$ 12.369
47		822C	00	Col G Ln 37 * Ln 41			\$ 1.478
48		845C	00	Col G Ln 38 * Ln 41			\$ 0.405
49		85C	00	Col G Ln 39 * Ln 41			\$ 1.234

001560

	A	B	C	D	E	F	G
1	Tennessee						
2	Interoffice Dedicated Transport STS-1						Design 3 - OC48 Ring
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.10						
6	Item/Description	FRC	SubFRC	SOURCE	Network No Requested	Amount	(E)*(F) Total Mat
7	Description						
8	C.O. Node - OC-48 (BLSR)	357C	03	Input Sheet Ln32	6	\$ 508.42	\$ 3,050.543
9		357C	06	Input Sheet Ln33	6	\$ 1,499.00	\$ 8,994.022
10							
11	C.O. Node - OC-48 BLSR Intermed.	357C	03	Input Sheet Ln30	2	\$ 1,092.27	\$ 2,184.547
12		357C	06	Input Sheet Ln31	2	\$ 2,998.01	\$ 5,996.014
13							
14	C.O. Interface STS-1 on OC-48 - Mux & Prot.	357C	06	Input Sheet Ln19	2	\$ 334.83	\$ 669.656
15							
16	C.O. Interface STS-1 on OC-48 - Working	357C	03	Input Sheet Ln20	2	\$ 200.98	\$ 401.953
17		357C	09	Input Sheet Ln21	2	\$ 877.10	\$ 1,754.200
18							
19	Data Communications - OC-48	357C	15	Input Sheet Ln36	2	\$ 39.90	\$ 79.801
20							
21	C.O. Connection STS-1 on OC-48 - Mux & Prot.	357C	06	Input Sheet Ln12	4	\$ 334.83	\$ 1,339.311
22							
23	C.O. Connection STS-1 on OC-48 - Working	357C	03	Input Sheet Ln13	4	\$ 200.98	\$ 803.906
24		357C	09	Input Sheet Ln14	4	\$ 877.10	\$ 3,508.400
25							
26	AR-Fiber - OC-48 BLSR Per Weighted Fiber Mile	822C	00	Input Sheet Ln39	3	\$ 3.18	\$ 9.532
27							
28	BU-Fiber - OC-48 BLSR Per Weighted Fiber Mile	845C	00	Input Sheet Ln42	3	\$ 0.87	\$ 2.614
29							
30	UG-Fiber - OC-48 BLSR Per Weighted Fiber Mile	85C	00	Input Sheet Ln45	3	\$ 2.65	\$ 7.964
31							
32							
33	Total Material by FRC - Design 3	357C	03	Col G, Ln8+Ln11+Ln16+Ln23			\$ 6,440.949
34		357C	06	Col G, Ln9+Ln12+Ln14+Ln21			\$ 16,999.003
35		357C	09	Col G Ln17+Ln24			\$ 5,262.600
36		357C	15	Col G Ln19			\$ 79.801
37		822C	00	Col G Ln26			\$ 9.532
38		845C	00	Col G Ln28			\$ 2.614
39		85C	00	Col G Ln30			\$ 7.964
40							
41	Probability of Occurrence - Design 3			Input Sheet Ln49		0.155	
42							
43	Weighted Material by FRC - Design 3	357C	03	Col G Ln 33 * Ln 41			\$ 998.347
44		357C	06	Col G Ln 34 * Ln 41			\$ 2,634.846
45		357C	09	Col G Ln 35 * Ln 41			\$ 815.703
46		357C	15	Col G Ln 36 * Ln 41			\$ 12.369
47		822C	00	Col G Ln 37 * Ln 41			\$ 1.478
48		845C	00	Col G Ln 38 * Ln 41			\$ 0.405
49		85C	00	Col G Ln 39 * Ln 41			\$ 1.234

001561

	A	B	C	D	E	F	G
1	Tennessee						
2	Interoffice Dedicated Transport STS-1					Design 4 - OC48 Ring	
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.10						
6	Item/Description	FRC	SubFRC	SOURCE	Network No Requested	Amount	(E)*(F) Total Mat
7	Description						
8	C.O. Node - OC-48 (BLSR)	357C	03	Input Sheet Ln32	6	\$ 508.42	\$ 3,050.543
9		357C	06	Input Sheet Ln33	6	\$ 1,499.00	\$ 8,994.022
10							
11	C.O. Node - OC-48 BLSR Intermed.	357C	03	Input Sheet Ln30	5	\$ 1,092.27	\$ 5,461.368
12		357C	06	Input Sheet Ln31	5	\$ 2,998.01	\$ 14,990.036
13							
14	C.O. Interface STS-1 on OC-48 - Mux & Prot.	357C	06	Input Sheet Ln19	2	\$ 334.83	\$ 669.656
15							
16	C.O. Interface STS-1 on OC-48 - Working	357C	03	Input Sheet Ln20	2	\$ 200.98	\$ 401.953
17		357C	09	Input Sheet Ln21	2	\$ 877.10	\$ 1,754.200
18							
19	Data Communications - OC-48	357C	15	Input Sheet Ln36	3	\$ 39.90	\$ 119.701
20							
21	C.O. Connection STS-1 on OC-48 - Mux & Prot.	357C	06	Input Sheet Ln12	4	\$ 334.83	\$ 1,339.311
22							
23	C.O. Connection STS-1 on OC-48 - Working	357C	03	Input Sheet Ln13	4	\$ 200.98	\$ 803.906
24		357C	09	Input Sheet Ln14	4	\$ 877.10	\$ 3,508.400
25							
26	AR-Fiber - OC-48 BLSR Per Weighted Fiber Mile	822C	00	Input Sheet Ln39	3	\$ 3.18	\$ 9.532
27							
28	BU-Fiber - OC-48 BLSR Per Weighted Fiber Mile	845C	00	Input Sheet Ln42	3	\$ 0.87	\$ 2.614
29							
30	UG-Fiber - OC-48 BLSR Per Weighted Fiber Mile	85C	00	Input Sheet Ln45	3	\$ 2.65	\$ 7.964
31							
32							
33	Total Material by FRC - Design 4	357C	03	Col G Ln8+Ln11+Ln16+Ln23			\$ 9,717.770
34		357C	06	Col G Ln9+Ln12+Ln14+Ln21			\$ 25,993.025
35		357C	09	Col G Ln17+Ln24			\$ 5,262.600
36		357C	15	Col G Ln19			\$ 119.701
37		822C	00	Col G Ln26			\$ 9.532
38		845C	00	Col G Ln28			\$ 2.614
39		85C	00	Col G Ln30			\$ 7.964
40							
41	Probability of Occurrence - Design 4			Input Sheet Ln49		0.077	
42							
43	Weighted Material by FRC - Design 4	357C	03	Col G Ln 33 * Ln 41			\$ 748.268
44		357C	06	Col G Ln 34 * Ln 41			\$ 2,001.463
45		357C	09	Col G Ln 35 * Ln 41			\$ 405.220
46		357C	15	Col G Ln 36 * Ln 41			\$ 9.217
47		822C	00	Col G Ln 37 * Ln 41			\$ 0.734
48		845C	00	Col G Ln 38 * Ln 41			\$ 0.201
49		85C	00	Col G Ln 39 * Ln 41			\$ 0.613

001562

	A	B	C	D	E	F	G
1	Tennessee						
2	Interoffice Dedicated Transport STS-1			Design 5 - OC48 and OC12 Ring			
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.10						
6	Item/Description			Network No		(E)*(F)	
7	Description	FRC	SubFRC	SOURCE	Requested	Amount	Total Mat
8	OC 48 Ring						
9	C.O. Node - OC-48 (BLSR)	357C	03	Input Sheet Ln32	2	\$ 508.42	\$ 1,016.848
10		357C	06	Input Sheet Ln33	2	\$ 1,499.00	\$ 2,998.007
11	C.O. Node - OC-48 BLSR Intermed.	357C	03	Input Sheet Ln30	1	\$ 1,092.27	\$ 1,092.274
12		357C	06	Input Sheet Ln31	1	\$ 2,998.01	\$ 2,998.007
13	C.O. Interface STS-1 on OC-48 - Mux & Prot.	357C	06	Input Sheet Ln19	1	\$ 334.83	\$ 334.828
14	C.O. Interface STS-1 on OC-48 - Working	357C	03	Input Sheet Ln20	1	\$ 200.98	\$ 200.976
15		357C	09	Input Sheet Ln21	1	\$ 877.10	\$ 877.100
16	Data Communications - OC-48	357C	15	Input Sheet Ln36	1	\$ 39.90	\$ 39.900
17	C.O. Connection STS-1 on OC-48 - Mux & Prot.	357C	06	Input Sheet Ln12	1	\$ 334.83	\$ 334.828
18	C.O. Connection STS-1 on OC-48 - Working	357C	03	Input Sheet Ln13	1	\$ 200.98	\$ 200.976
19		357C	09	Input Sheet Ln14	1	\$ 877.10	\$ 877.100
20	AR-Fiber - OC-48 BLSR Per Weighted Fiber Mile	822C	00	Input Sheet Ln39	3	\$ 3.18	\$ 9.532
21	BU-Fiber - OC-48 BLSR Per Weighted Fiber Mile	845C	00	Input Sheet Ln42	3	\$ 0.87	\$ 2.614
22	UG-Fiber - OC-48 BLSR Per Weighted Fiber Mile	85C	00	Input Sheet Ln45	3	\$ 2.65	\$ 7.964
23							
24	OC48 Ring Material by FRC - Design 5	357C	03	Col G,Ln9+Ln11+Ln14+Ln18			\$ 2,511.074
25		357C	06	Col G,Ln10+Ln12+Ln13+Ln17			\$ 6,665.670
26		357C	09	Col G Ln15+Ln19			\$ 1,754.200
27		357C	15	Col G Ln16			\$ 39.900
28		822C	00	Col G Ln20			\$ 9.532
29		845C	00	Col G Ln21			\$ 2.614
30		85C	00	Col G Ln22			\$ 7.964
31	OC 12 Ring						
32	C.O. Node - OC-12	357C	03	Input Sheet Ln28	4	\$ 223.65	\$ 894.590
33		357C	06	Input Sheet Ln29	4	\$ 2,775.70	\$ 11,102.792
34	C.O. Interface STS-1 on OC-12	357C	03	Input Sheet Ln17	1	\$ 200.98	\$ 200.976
35		357C	09	Input Sheet Ln18	1	\$ 1,636.12	\$ 1,636.119
36	Data Communications - OC-12	357C	15	Input Sheet Ln35	1	\$ 128.13	\$ 128.127
37	C.O. Connection STS-1 on OC-12	357C	03	Input Sheet Ln10	1	\$ 200.98	\$ 200.976
38		357C	06	Input Sheet Ln11	1	\$ 1,601.99	\$ 1,601.990
39	AR-Fiber - OC-12 Per Weighted Fiber Mile	822C	00	Input Sheet Ln38	3	\$ 10.20	\$ 30.610
40	BU-Fiber - OC-12 Per Weighted Fiber Mile	845C	00	Input Sheet Ln41	3	\$ 2.80	\$ 8.395
41	UG-Fiber - OC-12 Per Weighted Fiber Mile	85C	00	Input Sheet Ln44	3	\$ 8.52	\$ 25.573
42							
43	OC12 Ring Material by FRC - Design 5	357C	03	Col G,Ln32+Ln34+Ln37			\$ 1,296.543
44		357C	06	Col G,Ln33+Ln38			\$ 12,704.782
45		357C	09	Col G Ln35			\$ 1,636.119
46		357C	15	Col G Ln36			\$ 128.127
47		822C	00	Col G Ln39			\$ 30.610
48		845C	00	Col G Ln40			\$ 8.395
49		85C	00	Col G Ln41			\$ 25.573
50							
51	TOTAL MATERIAL by FRC - Design 5	357C	03	Col G,Ln24+Ln43			\$ 3,807.617
52		357C	06	Col G,Ln25+Ln44			\$ 19,370.453
53		357C	09	Col G,Ln26+Ln45			\$ 3,390.319
54		357C	15	Col G,Ln27+Ln46			\$ 168.027
55		822C	00	Col G,Ln28+Ln47			\$ 40.143
56		845C	00	Col G,Ln29+Ln48			\$ 11.010
57		85C	00	Col G,Ln30+Ln49			\$ 33.537
58							
59	Probability of Occurrence - Design 5			Input Sheet Ln49		0.022	
60							
61	Weighted Material by FRC - Design 5	357C	03	Col G Ln 51 * Ln 59			\$ 83.768
62		357C	06	Col G Ln 52 * Ln 59			\$ 426.150
63		357C	09	Col G Ln 53 * Ln 59			\$ 74.587
64		357C	15	Col G Ln 54 * Ln 59			\$ 3.697
65		822C	00	Col G Ln 55 * Ln 59			\$ 0.883
66		845C	00	Col G Ln 56 * Ln 59			\$ 0.242
67		85C	00	Col G Ln 57 * Ln 59			\$ 0.738

	A	B	C	D	E	F	G
1	Tennessee						
2	Interoffice Dedicated Transport STS-1			Design 6 - OC-12 Ring			
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.10						
6	Item/Description			Network No		(E)*(F)	
7	Description	FRC	SubFRC	SOURCE	Requested	Amount	Total Mat
8	C.O. Node - OC-12	357C	03	Input Sheet Ln28	4	\$ 223.65	\$ 894.590
9		357C	06	Input Sheet Ln29	4	\$ 2,775.70	\$ 11,102.792
10							
11	C.O. Interface STS-1 on OC-12	357C	03	Input Sheet Ln17	2	\$ 200.98	\$ 401.953
12		357C	09	Input Sheet Ln18	2	\$ 1,636.12	\$ 3,272.239
13							
14	Data Communications - OC-12	357C	15	Input Sheet Ln35	1	\$ 128.13	\$ 128.127
15							
16	AR-Fiber - OC-12 Per Weighted Fiber Mile	822C	00	Input Sheet Ln38	3	\$ 10.20	\$ 30.610
17							
18	BU-Fiber - OC-12 Per Weighted Fiber Mile	845C	00	Input Sheet Ln41	3	\$ 2.80	\$ 8.395
19							
20	UG-Fiber - OC-12 Per Weighted Fiber Mile	85C	00	Input Sheet Ln44	3	\$ 8.52	\$ 25.573
21							
22							
23	Total Material by FRC - Design 6	357C	03	Col G,Ln8+Ln11			\$ 1,296.543
24		357C	06	Col G,Ln9			\$ 11,102.792
25		357C	09	Col G Ln12			\$ 3,272.239
26		357C	15	Col G Ln14			\$ 128.127
27		822C	00	Col G Ln16			\$ 30.610
28		845C	00	Col G Ln18			\$ 8.395
29		85C	00	Col G Ln20			\$ 25.573
30							
31	Probability of Occurrence - Design 6			Input Sheet Ln49		0.044	
32							
33	Weighted Material by FRC - Design 6	357C	03	Col G Ln 23 * Ln 31			\$ 57.048
34		357C	06	Col G Ln 24 * Ln 31			\$ 488.523
35		357C	09	Col G Ln 25 * Ln 31			\$ 143.979
36		357C	15	Col G Ln 26 * Ln 31			\$ 5.638
37		822C	00	Col G Ln 27 * Ln 31			\$ 1.347
38		845C	00	Col G Ln 28 * Ln 31			\$ 0.369
39		85C	00	Col G Ln 29 * Ln 31			\$ 1.125

001564

	A	B	C	D	E	F	G
1	Tennessee						
2	Interoffice Dedicated Transport STS-1				Design 7 - OC-12 Ring		
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.10						
6	Item/Description				Network No		(E)*(F)
7	Description	FRC	SubFRC	SOURCE	Requested	Amount	Total Mat
8	C.O. Node - OC-12	357C	03	Input Sheet Ln28	10	\$ 223.65	\$ 2,236.475
9		357C	06	Input Sheet Ln29	10	\$ 2,775.70	\$ 27,756.981
10							
11	C.O. Interface STS-1 on OC-12	357C	03	Input Sheet Ln17	2	\$ 200.98	\$ 401.953
12		357C	09	Input Sheet Ln18	2	\$ 1,636.12	\$ 3,272.239
13							
14	Data Communications - OC-12	357C	15	Input Sheet Ln35	2	\$ 128.13	\$ 256.254
15							
16	C.O. Connection STS-1 on OC-12	357C	03	Input Sheet Ln10	2	\$ 200.98	\$ 401.953
17		357C	06	Input Sheet Ln11	2	\$ 1,601.99	\$ 3,203.980
18							
19	AR-Fiber - OC-12 Per Weighted Fiber Mile	822C	00	Input Sheet Ln38	3	\$ 10.20	\$ 30.610
20							
21	BU-Fiber - OC-12 Per Weighted Fiber Mile	845C	00	Input Sheet Ln41	3	\$ 2.80	\$ 8.395
22							
23	UG-Fiber - OC-12 Per Weighted Fiber Mile	85C	00	Input Sheet Ln44	3	\$ 8.52	\$ 25.573
24							
25							
26	Total Material by FRC - Design 7	357C	03	Col G Ln8+Ln11+Ln16			\$ 3,040.381
27		357C	06	Col G Ln9+Ln17			\$ 30,960.961
28		357C	09	Col G Ln12			\$ 3,272.239
29		357C	15	Col G Ln14			\$ 256.254
30		822C	00	Col G Ln19			\$ 30.610
31		845C	00	Col G Ln21			\$ 8.395
32		85C	00	Col G Ln23			\$ 25.573
33							
34	Probability of Occurrence - Design 7			Input Sheet Ln49		0.022	
35							
36	Weighted Material by FRC - Design 7	357C	03	Col G Ln 26 * Ln 34			\$ 66.888
37		357C	06	Col G Ln 27 * Ln 34			\$ 681.141
38		357C	09	Col G Ln 28 * Ln 34			\$ 71.989
39		357C	15	Col G Ln 29 * Ln 34			\$ 5.638
40		822C	00	Col G Ln 30 * Ln 34			\$ 0.673
41		845C	00	Col G Ln 31 * Ln 34			\$ 0.185
42		85C	00	Col G Ln 32 * Ln 34			\$ 0.563

001565

	A	B	C	D	E	F	G
1	Tennessee						
2	Interoffice Dedicated Transport STS-1					Design 8 - OC-12 Ring	
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.10						
6	Item/Description				Network No		(E)*(F)
7	Description	FRC	SubFRC	SOURCE	Requested	Amount	Total Mat
8	C.O. Node - OC-3	357C	03	Input Sheet Ln22	3	\$ 274.15	\$ 822.449
9		357C	06	Input Sheet Ln23	3	\$ 6,360.54	\$ 19,081.633
10							
11	C.O. Interface STS-1 on OC-3	357C	03	Input Sheet Ln15	2	\$ 200.98	\$ 401.953
12		357C	09	Input Sheet Ln16	2	\$ 1,971.20	\$ 3,942.400
13							
14	Data Communications - OC-3	357C	15	Input Sheet Ln34	1	\$ 665.91	\$ 665.911
15							
16	AR-Fiber - OC-3 Per Weighted Fiber Mile	822C	00	Input Sheet Ln37	3	\$ 53.03	\$ 159.091
17							
18	BU-Fiber - OC-3 Per Weighted Fiber Mile	845C	00	Input Sheet Ln40	3	\$ 14.54	\$ 43.633
19							
20	UG-Fiber - OC-3 Per Weighted Fiber Mile	85C	00	Input Sheet Ln43	3	\$ 44.30	\$ 132.911
21							
22							
23	Total Material by FRC - Design 8	357C	03	Col G Ln8+Ln11			\$ 1,224.402
24		357C	06	Col G Ln9			\$ 19,081.633
25		357C	09	Col G Ln12			\$ 3,942.400
26		357C	15	Col G Ln14			\$ 665.911
27		822C	00	Col G Ln16			\$ 159.091
28		845C	00	Col G Ln18			\$ 43.633
29		85C	00	Col G Ln20			\$ 132.911
30							
31	Probability of Occurrence - Design 8			Input Sheet Ln49		0.010	
32							
33	Weighted Material by FRC - Design 8	357C	03	Col G Ln 23 * Ln 31			\$ 12.244
34		357C	06	Col G Ln 24 * Ln 31			\$ 190.816
35		357C	09	Col G Ln 25 * Ln 31			\$ 39.424
36		357C	15	Col G Ln 26 * Ln 31			\$ 6.659
37		822C	00	Col G Ln 27 * Ln 31			\$ 1.591
38		845C	00	Col G Ln 28 * Ln 31			\$ 0.436
39		85C	00	Col G Ln 29 * Ln 31			\$ 1.329

001566

	A	B	C	D	E	F	G
1	Tennessee						
2	Interoffice Dedicated Transport STS-1				Design 9 - OC-3+ Ring		
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.10						
6	Item/Description			Network No		(E)*(F)	
7	Description	FRC	SubFRC	SOURCE	Requested	Amount	Total Mat
8	C.O. Node - OC-3+	357C	03	Input Sheet Ln26	5	\$ 690.49	\$ 3,452.469
9		357C	06	Input Sheet Ln27	5	\$ 4,994.70	\$ 24,973.521
10							
11	C.O. Interface STS-1 on OC-3	357C	03	Input Sheet Ln15	2	\$ 200.98	\$ 401.953
12		357C	09	Input Sheet Ln16	2	\$ 1,971.20	\$ 3,942.400
13							
14	Data Communications - OC-12	357C	15	Input Sheet Ln35	1	\$ 128.13	\$ 128.127
15							
16	AR-Fiber - OC-12 Per Weighted Fiber Mile	822C	00	Input Sheet Ln38	3	\$ 10.20	\$ 30.610
17							
18	BU-Fiber - OC-12 Per Weighted Fiber Mile	845C	00	Input Sheet Ln41	3	\$ 2.80	\$ 8.395
19							
20	UG-Fiber - OC-12 Per Weighted Fiber Mile	85C	00	Input Sheet Ln44	3	\$ 8.52	\$ 25.573
21							
22							
23	Total Material by FRC - Design 9	357C	03	Col G Ln8+Ln11			\$ 3,854.422
24		357C	06	Col G Ln9			\$ 24,973.521
25		357C	09	Col G Ln12			\$ 3,942.400
26		357C	15	Col G Ln14			\$ 128.127
27		822C	00	Col G Ln16			\$ 30.610
28		845C	00	Col G Ln18			\$ 8.395
29		85C	00	Col G Ln20			\$ 25.573
30							
31	Probability of Occurrence - Design 9			Input Sheet Ln49		0.022	
32							
33	Weighted Material by FRC - Design 9	357C	03	Col G Ln 23 * Ln 31			\$ 84.797
34		357C	06	Col G Ln 24 * Ln 31			\$ 549.417
35		357C	09	Col G Ln 25 * Ln 31			\$ 86.733
36		357C	15	Col G Ln 26 * Ln 31			\$ 2.819
37		822C	00	Col G Ln 27 * Ln 31			\$ 0.673
38		845C	00	Col G Ln 28 * Ln 31			\$ 0.185
39		85C	00	Col G Ln 29 * Ln 31			\$ 0.563

001567

	A	B	C	D	E	F	G
1	Tennessee						
2	Interoffice Dedicated Transport STS-1						Design 10 - OC-48 Ring and OC-3 Ring
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.10						
6	Item/Description				Network No		(E)*(F)
7	Description	FRC	SubFRC	SOURCE	Requested	Amount	Total Mat
8	OC 48 Ring						
9	C.O. Node - OC-48 (BLSR)	357C	03	Input Sheet Ln32	2	\$ 508.42	\$ 1,016.848
10		357C	06	Input Sheet Ln33	2	\$ 1,499.00	\$ 2,998.007
11	C.O. Node - OC-48 BLSR Intermed.	357C	03	Input Sheet Ln30	1	\$ 1,092.27	\$ 1,092.274
12		357C	06	Input Sheet Ln31	1	\$ 2,998.01	\$ 2,998.007
13	C.O. Interface STS-1 on OC-48 - Mux & Prot.	357C	06	Input Sheet Ln19	1	\$ 334.83	\$ 334.828
14	C.O. Interface STS-1 on OC-48 - Working	357C	03	Input Sheet Ln20	1	\$ 200.98	\$ 200.976
15		357C	09	Input Sheet Ln21	1	\$ 877.10	\$ 877.100
16	Data Communications - OC-48	357C	15	Input Sheet Ln36	1	\$ 39.90	\$ 39.900
17	C.O. Connection STS-1 on OC-48 - Mux & Prot.	357C	06	Input Sheet Ln12	1	\$ 334.83	\$ 334.828
18	C.O. Connection STS-1 on OC-48 - Working	357C	03	Input Sheet Ln13	1	\$ 200.98	\$ 200.976
19		357C	09	Input Sheet Ln14	1	\$ 877.10	\$ 877.100
20	AR-Fiber - OC-48 BLSR Per Weighted Fiber Mile	822C	00	Input Sheet Ln39	3	\$ 3.18	\$ 9.532
21	BU-Fiber - OC-48 BLSR Per Weighted Fiber Mile	845C	00	Input Sheet Ln42	3	\$ 0.87	\$ 2.614
22	UG-Fiber - OC-48 BLSR Per Weighted Fiber Mile	85C	00	Input Sheet Ln45	3	\$ 2.65	\$ 7.964
23							
24	OC48 Ring Material by FRC - Design 10	357C	03	Col G,Ln9+Ln11+Ln14+Ln18			\$ 2,511.074
25		357C	06	Col G,Ln10+Ln12+Ln13+Ln17			\$ 6,665.670
26		357C	09	Col G Ln15+Ln19			\$ 1,754.200
27		357C	15	Col G Ln16			\$ 39.900
28		822C	00	Col G Ln20			\$ 9.532
29		845C	00	Col G Ln21			\$ 2.614
30		85C	00	Col G Ln22			\$ 7.964
31	OC 3 Ring						
32	C.O. Node - OC-3	357C	03	Input Sheet Ln22	3	\$ 274.15	\$ 822.449
33		357C	06	Input Sheet Ln23	3	\$ 6,360.54	\$ 19,081.633
34	C.O. Interface STS-1 on OC-3	357C	03	Input Sheet Ln15	1	\$ 200.98	\$ 200.976
35		357C	09	Input Sheet Ln16	1	\$ 1,971.20	\$ 1,971.200
36	Data Communications - OC-3	357C	15	Input Sheet Ln34	1	\$ 665.91	\$ 665.911
37	C.O. Connection STS-1 on OC-3	357C	03	Input Sheet Ln8	1	\$ 200.98	\$ 200.976
38		357C	06	Input Sheet Ln9	1	\$ 1,971.20	\$ 1,971.200
39	AR-Fiber - OC-3 Per Weighted Fiber Mile	822C	00	Input Sheet Ln37	3	\$ 53.03	\$ 159.091
40	BU-Fiber - OC-3 Per Weighted Fiber Mile	845C	00	Input Sheet Ln40	3	\$ 14.54	\$ 43.633
41	UG-Fiber - OC-3 Per Weighted Fiber Mile	85C	00	Input Sheet Ln43	3	\$ 44.30	\$ 132.911
42							
43	OC3 Ring Material by FRC - Design 10	357C	03	Col G,Ln32+Ln34+Ln37			\$ 1,224.402
44		357C	06	Col G,Ln33+Ln38			\$ 21,052.833
45		357C	09	Col G Ln35			\$ 1,971.200
46		357C	15	Col G Ln36			\$ 665.911
47		822C	00	Col G Ln39			\$ 159.091
48		845C	00	Col G Ln40			\$ 43.633
49		85C	00	Col G Ln41			\$ 132.911
50							
51	TOTAL MATERIAL by FRC - Design 10	357C	03	Col G,Ln24+Ln43			\$ 3,735.476
52		357C	06	Col G,Ln25+Ln44			\$ 27,718.503
53		357C	09	Col G,Ln26+Ln45			\$ 3,725.400
54		357C	15	Col G,Ln27+Ln46			\$ 705.811
55		822C	00	Col G,Ln28+Ln47			\$ 168.623
56		845C	00	Col G,Ln29+Ln48			\$ 46.247
57		85C	00	Col G,Ln30+Ln49			\$ 140.875
58							
59	Probability of Occurrence - Design 10			Input Sheet Ln49		0.020	
60							
61	Weighted Material by FRC - Design 10	357C	03	Col G Ln 51 * Ln 59			\$ 74.710
62		357C	06	Col G Ln 52 * Ln 59			\$ 554.370
63		357C	09	Col G Ln 53 * Ln 59			\$ 74.508
64		357C	15	Col G Ln 54 * Ln 59			\$ 14.116
65		822C	00	Col G Ln 55 * Ln 59			\$ 3.372
66		845C	00	Col G Ln 56 * Ln 59			\$ 0.925
67		85C	00	Col G Ln 57 * Ln 59			\$ 2.818

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	A	B	C	D	E	F	G
1	Tennessee						
2	Interoffice Dedicated Transport STS-1						Design 11 - OC-12 Ring and OC-3 Ring
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.10						
6	Item/Description				Network No		(E)*(F)
7	Description	FRC	SubFRC	SOURCE	Requested	Amount	Total Mat
8	OC 12 Ring						
9	C.O. Node - OC-12	357C	03	Input Sheet Ln28	4	\$ 223.65	\$ 894.590
10		357C	06	Input Sheet Ln29	4	\$ 2,775.70	\$ 11,102.792
11	C.O. Interface STS-1 on OC-12	357C	03	Input Sheet Ln17	1	\$ 200.98	\$ 200.976
12		357C	09	Input Sheet Ln18	1	\$ 1,636.12	\$ 1,636.119
13	Data Communications - OC-12	357C	15	Input Sheet Ln35	1	\$ 128.13	\$ 128.127
14	C.O. Connection STS-1 on OC-12	357C	03	Input Sheet Ln10	1	\$ 200.98	\$ 200.976
15		357C	06	Input Sheet Ln11	1	\$ 1,601.99	\$ 1,601.990
16	AR-Fiber - OC-12 Per Weighted Fiber Mile	822C	00	Input Sheet Ln38	3	\$ 10.20	\$ 30.610
17	BU-Fiber - OC-12 Per Weighted Fiber Mile	845C	00	Input Sheet Ln41	3	\$ 2.80	\$ 8.395
18	UG-Fiber - OC-12 Per Weighted Fiber Mile	85C	00	Input Sheet Ln44	3	\$ 8.52	\$ 25.573
19							
20	OC12 Ring Material by FRC - Design 11	357C	03	Col G,Ln9+Ln11+Ln14			\$ 1,296.543
21		357C	06	Col G,Ln10+Ln15			\$ 12,704.782
22		357C	09	Col G Ln12			\$ 1,636.119
23		357C	15	Col G Ln13			\$ 128.127
24		822C	00	Col G Ln16			\$ 30.610
25		845C	00	Col G Ln17			\$ 8.395
26		85C	00	Col G Ln18			\$ 25.573
27	OC 3 Ring						
28	C.O. Node - OC-3	357C	03	Input Sheet Ln22	3	\$ 274.15	\$ 822.449
29		357C	06	Input Sheet Ln23	3	\$ 6,360.54	\$ 19,081.633
30	C.O. Interface STS-1 on OC-3	357C	03	Input Sheet Ln15	1	\$ 200.98	\$ 200.976
31		357C	09	Input Sheet Ln16	1	\$ 1,971.20	\$ 1,971.200
32	Data Communications - OC-3	357C	15	Input Sheet Ln34	1	\$ 665.91	\$ 665.911
33	C.O. Connection STS-1 on OC-3	357C	03	Input Sheet Ln8	1	\$ 200.98	\$ 200.976
34		357C	06	Input Sheet Ln9	1	\$ 1,971.20	\$ 1,971.200
35	AR-Fiber - OC-3 Per Weighted Fiber Mile	822C	00	Input Sheet Ln37	3	\$ 53.03	\$ 159.091
36	BU-Fiber - OC-3 Per Weighted Fiber Mile	845C	00	Input Sheet Ln40	3	\$ 14.54	\$ 43.633
37	UG-Fiber - OC-3 Per Weighted Fiber Mile	85C	00	Input Sheet Ln43	3	\$ 44.30	\$ 132.911
38							
39	OC3 Ring Material by FRC - Design 11	357C	03	Col G,Ln28+Ln30+Ln33			\$ 1,224.402
40		357C	06	Col G,Ln29+Ln34			\$ 21,052.833
41		357C	09	Col G Ln31			\$ 1,971.200
42		357C	15	Col G Ln32			\$ 665.911
43		822C	00	Col G Ln35			\$ 159.091
44		845C	00	Col G Ln36			\$ 43.633
45		85C	00	Col G Ln37			\$ 132.911
46							
47	TOTAL MATERIAL by FRC - Design 11	357C	03	Col G,Ln20+Ln39			\$ 2,520.945
48		357C	06	Col G,Ln21+Ln40			\$ 33,757.615
49		357C	09	Col G,Ln22+Ln41			\$ 3,607.319
50		357C	15	Col G,Ln23+Ln42			\$ 794.038
51		822C	00	Col G,Ln24+Ln43			\$ 189.701
52		845C	00	Col G,Ln25+Ln44			\$ 52.028
53		85C	00	Col G,Ln26+Ln45			\$ 158.485
54							
55	Probability of Occurrence - Design 11			Input Sheet Ln49		0.010	
56							
57	Weighted Material by FRC - Design 11	357C	03	Col G Ln 47 * Ln 55			\$ 25.209
58		357C	06	Col G Ln 48 * Ln 55			\$ 337.576
59		357C	09	Col G Ln 49 * Ln 55			\$ 36.073
60		357C	15	Col G Ln 50 * Ln 55			\$ 7.940
61		822C	00	Col G Ln 51 * Ln 55			\$ 1.897
62		845C	00	Col G Ln 52 * Ln 55			\$ 0.520
63		85C	00	Col G Ln 53 * Ln 55			\$ 1.585

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	A	B	C	D	E	F	G
1	Tennessee						
2	Interoffice Dedicated Transport STS-1					Design 12 - OC-3 Point to Point	
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.10						
6	Item/Description				Network No		(E)*(F)
7	Description	FRC	SubFRC	SOURCE	Requested	Amount	Total Mat
8	C.O. Node - OC-3 Term (Pt. to Pt.)	357C	03	Input Sheet Ln24	2	\$ 274.36	\$ 548.717
9		357C	06	Input Sheet Ln25	2	\$ 5,387.85	\$ 10,775.702
10							
11	C.O. Interface STS-1 on OC-3	357C	03	Input Sheet Ln15	2	\$ 200.98	\$ 401.953
12		357C	09	Input Sheet Ln16	2	\$ 1,971.20	\$ 3,942.400
13							
14	AR-Fiber - OC-3 Per Weighted Fiber Mile	822C	00	Input Sheet Ln37	6	\$ 53.03	\$ 318.182
15							
16	BU-Fiber - OC-3 Per Weighted Fiber Mile	845C	00	Input Sheet Ln40	6	\$ 14.54	\$ 87.265
17							
18	UG-Fiber - OC-3 Per Weighted Fiber Mile	85C	00	Input Sheet Ln43	6	\$ 44.30	\$ 265.823
19							
20							
21	Total Material by FRC - Design 12	357C	03	Col G Ln8+Ln11			\$ 950.670
22		357C	06	Col G Ln9			\$ 10,775.702
23		357C	09	Col G Ln12			\$ 3,942.400
24		822C	00	Col G Ln14			\$ 318.182
25		845C	00	Col G Ln16			\$ 87.265
26		85C	00	Col G Ln18			\$ 265.823
27							
28	Probability of Occurrence - Design 12			Input Sheet Ln49		0.000	
29							
30	Weighted Material by FRC - Design 12	357C	03	Col G Ln 21 * Ln 28			\$ -
31		357C	06	Col G Ln 22 * Ln 28			\$ -
32		357C	09	Col G Ln 23 * Ln 28			\$ -
33		822C	00	Col G Ln 24 * Ln 28			\$ -
34		845C	00	Col G Ln 25 * Ln 28			\$ -
35		85C	00	Col G Ln 26 * Ln 28			\$ -

001570

	A	B	C	D	E	F	G
1	Tennessee						
2	Interoffice Dedicated Transport STS-1					Design 13 - OC-3 Point to Point	
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.10						
6	Item/Description				Network No		(E)*(F)
7	Description	FRC	SubFRC	SOURCE	Requested	Amount	Total Mat
8	C.O. Node - OC-3 Term (Pt. to Pt.)	357C	03	Input Sheet Ln24	4	\$ 274.36	\$ 1,097.435
9		357C	06	Input Sheet Ln25	4	\$ 5,387.85	\$ 21,551.405
10							
11	C.O. Interface STS-1 on OC-3	357C	03	Input Sheet Ln15	4	\$ 200.98	\$ 803.906
12		357C	09	Input Sheet Ln16	4	\$ 1,971.20	\$ 7,884.800
13							
14	AR-Fiber - OC-3 Per Weighted Fiber Mile	822C	00	Input Sheet Ln37	6	\$ 53.03	\$ 318.182
15							
16	BU-Fiber - OC-3 Per Weighted Fiber Mile	845C	00	Input Sheet Ln40	6	\$ 14.54	\$ 87.265
17							
18	UG-Fiber - OC-3 Per Weighted Fiber Mile	85C	00	Input Sheet Ln43	6	\$ 44.30	\$ 265.823
19							
20							
21	Total Material by FRC - Design 13	357C	03	Col G Ln8+Ln11			\$ 1,901.341
22		357C	06	Col G Ln9			\$ 21,551.405
23		357C	09	Col G Ln12			\$ 7,884.800
24		822C	00	Col G Ln14			\$ 318.182
25		845C	00	Col G Ln16			\$ 87.265
26		85C	00	Col G Ln18			\$ 265.823
27							
28	Probability of Occurrence - Design 13			Input Sheet Ln49		0.000	
29							
30	Weighted Material by FRC - Design 13	357C	03	Col G Ln 21 * Ln 28			\$ -
31		357C	06	Col G Ln 22 * Ln 28			\$ -
32		357C	09	Col G Ln 23 * Ln 28			\$ -
33		822C	00	Col G Ln 24 * Ln 28			\$ -
34		845C	00	Col G Ln 25 * Ln 28			\$ -
35		85C	00	Col G Ln 26 * Ln 28			\$ -

001571

A	B	C	D	E	F	G	H	I	J	K
1	Tennessee									
2	Index Sheet									
3	Study Period: 01/2000 - 12/2002									
4										
5										
6										
7										
8										
9		Sheet Name:	Description:							
10		Index	IO_VG 4 WIRE							
11		Investments	CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA							
12		Additives_Recurring	CALCULATOR INPUT FORM - RECURRING EXPENSES DATA							
13		Additives_Nonrecurring	CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA							
14		Recurring Labor	CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA							
15		Nonrecurring Labor	CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES							
16		INPUT	Interoffice Dedicated Transport VG 4 WIRE							
17		INPUTS_NRC	Non Recurring Labor							
18		WP200	SUMMARY							
19		WP300	DESIGN 1							
20		WP301	DESIGN 2							
21		WP302	DESIGN 3							
22		WP303	DESIGN 4							
23		WP304	DESIGN 5							
24		WP305	DESIGN 6							
25		WP306	DESIGN 7							
26		WP307	DESIGN 8							
27		WP308	DESIGN 9							
28		WP309	DESIGN 10							
29		WP310	DESIGN 11							
30		WP311	DESIGN 12							
31		WP312	DESIGN 13							
32										
33										
34										
35										
36										
37										

001572

A	B	C	D	E	F	G	H	I	J
1	CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA								
2									
3	Instructions:								
4	1. Use this worksheet to record material and/or investments to be input into the								
5	Calculator calculations.								
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).								
7	3. Input data, by Cost Element, leaving no blank lines. On next row								
8	after last line of data, type END in Cost Element Column.								
9	4. All data on this form should be cell-referenced to study workpapers.								
10	5. Do NOT change columns, headings, sheet name.								
11									
12									
13									
14	State	Cost	Sub	Volume	Volume				
15	TN	Element #	FRC	Sensitive	Insensitive				
16	TN	D.12.2	357C	\$ Amount	\$ Amount				
17	TN	D.12.2	357C	132.1675	133.0160				
18	TN	D.12.2	357C	274.4449					
19	TN	D.12.2	357C	0.2356					
20	TN	D.12.1	822C	0.0550					
21	TN	D.12.1	845C	0.0151					
22		D.12.1	85C	0.0459					
23	END								
24									
25									

001573

	A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - RECURRING EXPENSES DATA							
2								
3	Instructions:							
4	1. Use this worksheet to record recurring non-labor expenses to be input into the							
5	Calculator calculations.							
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).							
7	3. Input data, by Cost Element, leaving no blank lines. On next row							
8	after last line of data, type END in Cost Element Column.							
9	4. All data on this form should be cell-referenced to study workpapers.							
10	5. Do NOT change columns, headings, sheet name.							
11								
12								
13								
14								
15								
16								
17	<u>State</u>	<u>Cost</u>	<u>Recurring</u>	<u>Recurring</u>	<u>Recurring</u>			
18	<u>Element #</u>	<u>Expense Description</u>	<u>Volume</u>	<u>Volume</u>	<u>Volume</u>			
19		<u>(Limited to 25 characters)</u>	<u>Sensitive</u>	<u>Insensitive</u>	<u>\$ Amount</u>			
20			<u>\$ Amount</u>	<u>\$ Amount</u>				
21								
22								
23								
24								
25								
26								
27								
28								
29	Maximum 10 entries per Cost Element #							
30								

001574

A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA						
2	Instructions:						
3	1. Use this worksheet to record nonrecurring non-labor expenses to be input into the Calculator calculations.						
4	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
5	3. Input data, by Cost Element, leaving no blank lines. On next row						
6	after last line of data, type END in Cost Element Column.						
7	4. All data on this form should be cell-referenced to study workpapers.						
8	5. Do NOT change columns, headings, sheet name.						
9	6. Use column D when cost element has a single nonrecurring cost; use columns E & F for elements with a first						
10	and additional nonrecurring cost; use columns G & H for elements with an initial and subsequent nonrecurring cost.						
11							
12							
13							
14							
15							
16	<u>State</u>	<u>Cost</u>	<u>Nonrecurring</u>	<u>Nonrecurring</u>	<u>Nonrecurring</u>	<u>Nonrecurring</u>	<u>Nonrecurring</u>
17	<u>Element #</u>	<u>Expense Description</u>	<u>\$ Amount</u>	<u>First</u>	<u>Additional</u>	<u>Initial</u>	<u>Subsequent</u>
18		<u>(Limited to 25 characters)</u>		<u>\$ Amount</u>	<u>\$ Amount</u>	<u>\$ Amount</u>	<u>\$ Amount</u>
19							
20							
21							
22							
23							
24							
25							
26							
27							
28	Maximum 10 entries per Cost Element #						
29							
30							

001575

A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA						
2							
3	Instructions:						
4	1. Use this worksheet to record recurring expensed labor times to be input into the						
5	Calculator calculations.						
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
7	3. Input data, by Cost Element, leaving no blank lines. On next row						
8	after last line of data, type END in Cost Element Column.						
9	4. All data on this form should be cell-referenced to study workpapers.						
10	5. Do NOT change columns, headings, sheet name.						
11							
12							
13							
14	<u>State</u>	<u>Cost</u>	<u>Labor Expense Description</u>	<u>JFC/</u>	<u>Work Time (Hours)</u>		
15		<u>Element #</u>	<u>(Limited to 25 characters)</u>	<u>Payband</u>	<u>Volume</u>	<u>Volume</u>	
16					<u>Sensitive</u>	<u>Insensitive</u>	
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							

Maximum 20 entries per Cost Element #

001576

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES													
2	Instructions:													
3	1. Use this worksheet to record nonrecurring labor times to be input into the Calculator calculations.													
4	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).													
5	3. Input data, by Cost Element, leaving no blank lines. On next row													
6	after last line of data, type END in Cost Element Column.													
7	4. All data on this form should be cell-referenced to study workpapers.													
8	5. Do NOT change columns, headings, sheet name.													
9	6. Use columns F & G when cost element has a single nonrecurring cost; use columns H, I, J, & K for elements with a first													
10	and additional nonrecurring cost; use columns L, M, N & O for elements with an initial and subsequent nonrecurring cost.													
11	7. Input Cost Element Life (in months) on first row of data for each cost element. It is not necessary to repeat on each line.													
12														
13														
14														
15	Study Mid-Point Date (Mos.) 6/1/2001													
16														
17														
18														
19														
20	State	Cost Element #	Cost Element Life (Mo)	Labor Expense Description (Limited to 25 characters)	JFC/ Payband	[For use w/ one NR]		First		Additional		Initial		Subsequent
21	TN	D 12.2	52	Connect	431X	Installation Time (Hours)	Disconnect Time (Hours)	First Installation Time (Hours)	First Disconnect Time (Hours)	Additional Installation Time (Hours)	Additional Disconnect Time (Hours)	Initial Installation Time (Hours)	Initial Disconnect Time (Hours)	Subsequent Installation Time (Hours)
22	TN	D 12.2	52	Connect	4AXX	0.1664	0.0000	0.1664	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
23	TN	D 12.298	52	Test	431X	0.5300	0.0000	0.5300	0.0000	0.5300	0.0000	0.0000	0.0000	0.0000
24	TN	D 12.298	52	Test	4AXX	0.2496	0.0000	0.2496	0.0000	0.5300	0.0000	0.0000	0.0000	0.0000
25	TN	D 12.2	52	Engineering	4N4X	0.1900	0.0000	0.1900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
26	TN	D 12.2	52	Engineering	3A2X	0.0330	0.0000	0.0330	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
27	TN	D 12.2	52	Service Order	230X	0.0175	0.0000	0.0175	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28	TN	D 12.2	52	Service Order	4AXX	0.0600	0.0000	0.0600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
29	TN	D 12.3	52	Service Order	230X	0.4825	0.0000	0.4825	0.3330	0.0000	0.0000	0.0000	0.0000	0.0000
30	TN	D 12.299	52	Connect	431X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
31	TN	D 12.299	52	Engineering	4N4X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
32	TN	D 12.299	52	Service Order	230X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
33	TN	D 12.299	52	Service Order	4AXX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
34	TN	D 12.399	52	Service Order	230X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35	END													
36	Maximum of 25 entries per Cost Element #													
37														
38														

001577

A		B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	Tennessee																		
2	Interoffice Dedicated Transport VG 4 WIRE																		
3	Study Period: 01/2000 - 12/2002																		
4																			
5	Element # D 12																		
6	Item/Description	FRC	SubFRC	Source	Amount	1	2	3	4	5	6	7	8	9	10	11	12	13	
7	Description	357C	03	SONET Price Calculator	\$ 0.5252														
8	C.O. Connection STS-1 on OC-3	357C	06	SONET Price Calculator	\$ 7.8222														
9	C.O. Connection STS-1 on OC-3	357C	03	SONET Price Calculator	\$ 0.5252														
10	C.O. Connection STS-1 on OC-12	357C	06	SONET Price Calculator	\$ 4.8995														
11	C.O. Connection STS-1 on OC-12	357C	06	SONET Price Calculator	\$ 1.5761														
12	C.O. Connection STS-1 on OC-48 - Mux & Prot.	357C	06	SONET Price Calculator	\$ 0.5252														
13	C.O. Connection STS-1 on OC-48 - Working	357C	03	SONET Price Calculator	\$ 2.2898														
14	C.O. Connection STS-1 on OC-48 - Working	357C	09	SONET Price Calculator	\$ 4.8949														
15	C.O. Interface DS1 on OC-3 - Mux & Prot.	357C	06	SONET Price Calculator	\$ 0.6173														
16	C.O. Interface DS1 on OC-3 - Working	357C	03	SONET Price Calculator	\$ 7.2770														
17	C.O. Interface DS1 on OC-3 - Working	357C	09	SONET Price Calculator	\$ 0.0443														
18	C.O. Interface DS1 on OC-12 Mux & Prot.	357C	03	SONET Price Calculator	\$ 15.6457														
19	C.O. Interface DS1 on OC-12 Mux & Prot.	357C	06	SONET Price Calculator	\$ 0.6173														
20	C.O. Interface DS1 on OC-12 Working	357C	03	SONET Price Calculator	\$ 7.2770														
21	C.O. Interface DS1 on OC-12 Working	357C	09	SONET Price Calculator	\$ 0.0443														
22	C.O. Interface DS1 on OC-48 - Mux & Prot.	357C	03	SONET Price Calculator	\$ 22.6154														
23	C.O. Interface DS1 on OC-48 - Mux & Prot.	357C	06	SONET Price Calculator	\$ 0.6173														
24	C.O. Interface DS1 on OC-48 - Working	357C	03	SONET Price Calculator	\$ 7.2770														
25	C.O. Interface DS1 on OC-48 - Working	357C	09	SONET Price Calculator	\$ 0.4798														
26	C.O. Node - OC-3	357C	03	SONET Price Calculator	\$ 11.1310														
27	C.O. Node - OC-3	357C	06	SONET Price Calculator	\$ 0.4802														
28	C.O. Node - OC-3 Term (Point to Point only)	357C	03	SONET Price Calculator	\$ 9.4363														
29	C.O. Node - OC-3 Term (Point to Point only)	357C	06	SONET Price Calculator	\$ 1.5316														
30	C.O. Node - OC-3+	357C	03	SONET Price Calculator	\$ 13.2875														
31	C.O. Node - OC-3+	357C	06	SONET Price Calculator	\$ 0.5850														
32	C.O. Node - OC-12	357C	03	SONET Price Calculator	\$ 7.2601														
33	C.O. Node - OC-12	357C	06	SONET Price Calculator	\$ 2.6210														
34	C.O. Node - OC-48 BLSR Intermed.	357C	03	SONET Price Calculator	\$ 8.0186														
35	C.O. Node - OC-48 BLSR Intermed.	357C	06	SONET Price Calculator	\$ 1.3284														
36	C.O. Node - OC-48 (BLSR)	357C	03	SONET Price Calculator	\$ 3.9377														
37	C.O. Node - OC-48 (BLSR)	357C	06	SONET Price Calculator	\$ 1.1653														
38	Data Communications - OC-3	357C	15	SONET Price Calculator	\$ 0.3351														
39	Data Communications - OC-12	357C	15	SONET Price Calculator	\$ 0.1042														
40	Data Communications - OC-48	357C	15	SONET Price Calculator	\$ 0.0928														
41	AR-Fiber - OC-3 Per Weighted Fiber Mile	822C	00	SONET Price Calculator	\$ 0.0267														
42	AR-Fiber - OC-12 Per Weighted Fiber Mile	822C	00	SONET Price Calculator	\$ 0.0083														
43	AR-Fiber - OC-48 BLSR Per Weighted Fiber Mile	822C	00	SONET Price Calculator	\$ 0.0255														
44	BU-Fiber - OC-3 Per Weighted Fiber Mile	845C	00	SONET Price Calculator	\$ 0.0073														
45	BU-Fiber - OC-12 Per Weighted Fiber Mile	845C	00	SONET Price Calculator	\$ 0.0023														
46	BU-Fiber - OC-48 BLSR Per Weighted Fiber Mile	845C	00	SONET Price Calculator	\$ 0.0775														
47	UG-Fiber - OC-3 Per Weighted Fiber Mile	85C	00	SONET Price Calculator	\$ 0.0223														
48	UG-Fiber - OC-12 Per Weighted Fiber Mile	85C	00	SONET Price Calculator	\$ 0.0069														
49	UG-Fiber - OC-48 BLSR Per Weighted Fiber Mile	85C	00	SONET Price Calculator	\$ 60.210														
50	# Fiber strands - OC-3, OC-12, OC-48			Network	\$ 28.680														
51	Probability of Occurrence			DS1 Channelization Price Calculator	\$ 0.598														
52	D4 Channel Bank			DS1 Channelization Price Calculator	\$ 1.28														
53	Common Plug-Ins for D4			DS1 Channelization Price Calculator	\$ 128.480														
54	DSX-1 Panel (one port @ DS0)			DS1 Channelization Price Calculator															
55	4W FXS Plug			DS1 Channelization Price Calculator															
56	Route to Air Ratio			TIRKS															
57	Plug-In Adjustment Factor																		
58	Total 4W FXS Plug																		

001578

A		B	C	D	E	F	G	H
1	Tennessee							
2	Non Recurring Labor							
3	Study Period: 01/2000 - 12/2002							
4								
5	Element #: D.12							
6	Item/Description							
7	Work Group		JFC/JGWS	Source	First Install Time Hrs	First Disconnect Time Hrs	Additional Install Time Hrs	Additional Disconnect Time Hrs
8	CO INSTALL & MTCE CKT & FAC (NTEL)	Connect	431X	Network	0.1664	0.3330	0.0664	0.0830
9	ACCESS CUSTOMER ADVOCATE CENTER (UNEC)	Connect	4AXX	Network	0.5300	0.0000	0.5300	0.0000
10	CO INSTALL & MTCE CKT & FAC (NTEL)	Test	431X	Network	0.2496	0.0000	0.0996	0.0000
11	ACCESS CUSTOMER ADVOCATE CENTER (UNEC)	Test	4AXX	Network	0.5300	0.0000	0.5300	0.0000
12	CIRCUIT PROVISIONING GROUP (CPG)	Engineering	4N4X	Network	0.1900	0.1280	0.0000	0.0000
13	NETWORK PLANNING & ENGINEERING (PICS)	Engineering	3A2X	Network	0.0330	0.0000	0.0000	0.0000
14	CUSTOMER POINT OF CONTACT (LCSC)	Service Order	230X	Network	0.0175	0.0175	0.0175	0.0175
15	ACCESS CUSTOMER ADVOCATE CENTER (UNEC)	Service Order	4AXX	Network	0.0600	0.1800	0.0600	0.1800
16	WORK MANAGEMENT CENTER	Service Order	4WXX	Network	0.2500	0.0000	0.0500	0.0000
17	CUSTOMER POINT OF CONTACT (LCSC) MANUAL	Service Order	230X	Network	0.4825	0.2325	0.4825	0.2325
18								
19	Cost element Life (Months) =	52		LocLife.xls				
20								
21								
22								
23								
24								
25								
26								

For LCSC work times longer than the standard half hour the manual work times below apply.

.5 - .0175 = 0.4825

.25 - .0175 = 0.2325

.5 - .0175 = 0.4825

.25 - .0175 = 0.2325

001579

	A	B	C	D	E	F
1	Tennessee					
2	Interoffice Dedicated Transport VG 4 WIRE					
3	Study Period: 01/2000 - 12/2002					
4						
5	Element #: D.12					
6						
7	Facility Terminations Weighted Material					
8		FRC	Sub FRC	Sub FRC	Sub FRC	Sub FRC
9		357C	03	06	09	15
10						SOURCE
11	Design 1	\$ 3.0562	\$ 28.3008	\$ 6.7385	\$ 0.0483	Wp300, Col G, Ln 39 thru 42
12	Design 2	\$ 2.0040	\$ 12.4265	\$ 2.9657	\$ 0.0323	Wp301, Col G, Ln 43 thru 46
13	Design 3	\$ 2.5786	\$ 14.1358	\$ 3.6756	\$ 0.0323	Wp302, Col G, Ln 43 thru 46
14	Design 4	\$ 1.8864	\$ 8.8746	\$ 1.8259	\$ 0.0241	Wp303, Col G, Ln 43 thru 46
15	Design 5	\$ 0.2198	\$ 1.9728	\$ 0.3706	\$ 0.0097	Wp304, Col G, Ln 64 thru 67
16	Design 6	\$ 0.1612	\$ 2.6546	\$ 0.6404	\$ 0.0147	Wp305, Col G, Ln 35 thru 38
17	Design 7	\$ 0.1809	\$ 2.5012	\$ 0.3202	\$ 0.0147	Wp306, Col G, Ln 39 thru 42
18	Design 8	\$ 0.0267	\$ 0.4318	\$ 0.1455	\$ 0.0117	Wp307, Col G, Ln 34 thru 37
19	Design 9	\$ 0.1956	\$ 1.6770	\$ 0.3202	\$ 0.0074	Wp308, Col G, Ln 34 thru 37
20	Design 10	\$ 0.1809	\$ 1.7239	\$ 0.3369	\$ 0.0254	Wp309, Col G, Ln 63 thru 66
21	Design 11	\$ 0.0611	\$ 0.9570	\$ 0.1455	\$ 0.0150	Wp310, Col G, Ln 59 thru 62
22	Design 12	\$ -	\$ -	\$ -		Wp311, Col G, Ln 31 thru 33
23	Design 13	\$ -	\$ -	\$ -		Wp312, Col G, Ln 31 thru 33
24						
25	Total Designs	\$ 10.5515	\$ 75.6560	\$ 17.4849	\$ 0.2356	Ln 11 thru 23
26						
27	D4 Channel Bank * 2	\$ 120.4200				Input Sheet Ln52
28	Common Plugs * 2		\$ 57.3600			Input Sheet Ln53
29	DSX-1 * 2	\$ 1.1960				Input Sheet Ln54
30	2-4W FXS Plugs Req'd			\$ 256.9600		Input Sheet Ln55
31						
32	Total	\$ 132.1675	\$ 133.0160	\$ 274.4449	\$ 0.2356	Ln 25 thru Ln 30
33						
34	Per Mile Weighted Material (Route Distance)					
35						
36		822C	845C	85C		
37		Sub FRC 00	Sub FRC 00	Sub FRC 00		
38						
39	Design 1	\$ 0.0115	\$ 0.0032	\$ 0.0096		Wp300, Col G, Ln 43 thru 45
40	Design 2	\$ 0.0039	\$ 0.0011	\$ 0.0032		Wp301, Col G, Ln 47 thru 49
41	Design 3	\$ 0.0039	\$ 0.0011	\$ 0.0032		Wp302, Col G, Ln 47 thru 49
42	Design 4	\$ 0.0019	\$ 0.0005	\$ 0.0016		Wp303, Col G, Ln 47 thru 49
43	Design 5	\$ 0.0023	\$ 0.0006	\$ 0.0019		Wp304, Col G, Ln 68 thru 70
44	Design 6	\$ 0.0035	\$ 0.0010	\$ 0.0029		Wp305, Col G, Ln 39 thru 41
45	Design 7	\$ 0.0018	\$ 0.0005	\$ 0.0015		Wp306, Col G, Ln 43 thru 45
46	Design 8	\$ 0.0028	\$ 0.0008	\$ 0.0023		Wp307, Col G, Ln 38 thru 40
47	Design 9	\$ 0.0018	\$ 0.0005	\$ 0.0015		Wp308, Col G, Ln 38 thru 40
48	Design 10	\$ 0.0061	\$ 0.0017	\$ 0.0051		Wp309, Col G, Ln 67 thru 69
49	Design 11	\$ 0.0036	\$ 0.0010	\$ 0.0030		Wp310, Col G, Ln 63 thru 65
50	Design 12	\$ -	\$ -	\$ -		Wp311, Col G, Ln 34 thru 36
51	Design 13	\$ -	\$ -	\$ -		Wp312, Col G, Ln 34 thru 36
52						
53	Total Designs	\$ 0.0430	\$ 0.0118	\$ 0.0359		Ln 39 thru 51
54						
55	Route to Air Ratio	1.280	1.280	1.280		Input Sheet Ln 56
56						
57	Material Per Air Mile	\$ 0.0550	\$ 0.0151	\$ 0.0459		Ln 53 * Ln 55

001580

	A	B	C	D	E	F	G
1	Tennessee						
2	Interoffice Dedicated Transport VG 4 WIRE						
3	Study Period: 01/2000 - 12/2002					Design 1- OC48 Ring	
4							
5	Element #: D.12						
6	Item/Description				Network No		(E)*(F)
7	Description	FRC	SubFRC	SOURCE	Requested	Amount	Total Mat
8	C.O. Node - OC-48 (BLSR)	357C	03	Input Sheet Ln36	2	\$ 1.3284	\$ 2.6567
9		357C	06	Input Sheet Ln37	2	\$ 3.9377	\$ 7.8755
10							
11	C.O. Node - OC-48 BLSR Intermed.	357C	03	Input Sheet Ln34	1	\$ 2.6210	\$ 2.6210
12		357C	06	Input Sheet Ln35	1	\$ 8.0186	\$ 8.0186
13							
14	C.O. Interface DS1 on OC-48 - Mux & Prot.	357C	03	Input Sheet Ln22	2	\$ 0.0443	\$ 0.0886
15		357C	06	Input Sheet Ln23	2	\$ 22.6154	\$ 45.2308
16							
17	C.O. Interface DS1 on OC-48 - Working	357C	03	Input Sheet Ln24	2	\$ 0.6173	\$ 1.2346
18		357C	09	Input Sheet Ln25	2	\$ 7.2770	\$ 14.5539
19							
20	Data Communications - OC-48	357C	15	Input Sheet Ln40	1	\$ 0.1042	\$ 0.1042
21							
22							
23	AR-Fiber - OC-48 BLSR Per Weighted Fiber Mile	822C	00	Input Sheet Ln43	3	\$ 0.0083	\$ 0.0249
24							
25	BU-Fiber - OC-48 BLSR Per Weighted Fiber Mile	845C	00	Input Sheet Ln46	3	\$ 0.0023	\$ 0.0068
26							
27	UG-Fiber - OC-48 BLSR Per Weighted Fiber Mile	85C	00	Input Sheet Ln49	3	\$ 0.0069	\$ 0.0208
28							
29	Total Material by FRC - Design 1	357C	03	Col G Ln8+Ln11+Ln14+Ln17			\$ 6.6008
30		357C	06	Col G Ln9+Ln12+Ln15			\$ 61.1249
31		357C	09	Col G Ln18			\$ 14.5539
32		357C	15	Col G Ln 20			\$ 0.1042
33		822C	00	Col G Ln23			\$ 0.0249
34		845C	00	Col G Ln25			\$ 0.0068
35		85C	00	Col G Ln27			\$ 0.0208
36							
37	Probability of Occurrence - Design 1			Input Sheet Ln53		0.463	
38							
39	Weighted Material by FRC - Design 1	357C	03	Col G Ln 29 * Ln 37			\$ 3.0562
40		357C	06	Col G Ln 30 * Ln 37			\$ 28.3008
41		357C	09	Col G Ln 31 * Ln 37			\$ 6.7385
42		357C	15	Col G Ln 32 * Ln 37			\$ 0.0483
43		822C	00	Col G Ln 33 * Ln 37			\$ 0.0115
44		845C	00	Col G Ln 34 * Ln 37			\$ 0.0032
45		85C	00	Col G Ln 35 * Ln 37			\$ 0.0096

001581

	A	B	C	D	E	F	G
1	Tennessee						
2	Interoffice Dedicated Transport VG 4 WIRE						
3	Study Period: 01/2000 - 12/2002					Design 2 - OC48 Ring	
4							
5	Element #: D.12						
6	Item/Description						
7	Description	FRC	SubFRC	SOURCE	Network No Requested	Amount	(E)*(F) Total Mat
8	C.O. Node - OC-48 (BLSR)	357C	03	Input Sheet Ln36	4	\$ 1.3284	\$ 5.3134
9		357C	06	Input Sheet Ln37	4	\$ 3.9377	\$ 15.7509
10							
11	C.O. Node - OC-48 BLSR Intermed.	357C	03	Input Sheet Ln34	2	\$ 2.6210	\$ 5.2419
12		357C	06	Input Sheet Ln35	2	\$ 8.0186	\$ 16.0372
13							
14	C.O. Interface DS1 on OC-48 - Mux & Prot.	357C	03	Input Sheet Ln22	2	\$ 0.0443	\$ 0.0886
15		357C	06	Input Sheet Ln23	2	\$ 22.6154	\$ 45.2308
16							
17	C.O. Interface DS1 on OC-48 - Working	357C	03	Input Sheet Ln24	2	\$ 0.6173	\$ 1.2346
18		357C	09	Input Sheet Ln25	2	\$ 7.2770	\$ 14.5539
19							
20	Data Communications - OC-48	357C	15	Input Sheet Ln40	2	\$ 0.1042	\$ 0.2085
21							
22	C.O. Connection STS-1 on OC-48 - Mux & Prot.	357C	06	Input Sheet Ln12	2	\$ 1.5761	\$ 3.1522
23							
24	C.O. Connection STS-1 on OC-48 - Working	357C	03	Input Sheet Ln13	2	\$ 0.5252	\$ 1.0505
25		357C	09	Input Sheet Ln14	2	\$ 2.2898	\$ 4.5797
26							
27	AR-Fiber - OC-48 BLSR Per Weighted Fiber Mile	822C	00	Input Sheet Ln43	3	\$ 0.0083	\$ 0.0249
28							
29	BU-Fiber - OC-48 BLSR Per Weighted Fiber Mile	845C	00	Input Sheet Ln46	3	\$ 0.0023	\$ 0.0068
30							
31	UG-Fiber - OC-48 BLSR Per Weighted Fiber Mile	85C	00	Input Sheet Ln49	3	\$ 0.0069	\$ 0.0208
32							
33	Total Material by FRC - Design 2	357C	03	Col G Ln8+Ln11+Ln14+Ln17+Ln24		\$	12.9289
34		357C	06	Col G Ln9+Ln12+Ln15+Ln22		\$	80.1711
35		357C	09	Col G Ln18+Ln25		\$	19.1336
36		357C	15	Col G Ln20		\$	0.2085
37		822C	00	Col G Ln27		\$	0.0249
38		845C	00	Col G Ln29		\$	0.0068
39		85C	00	Col G Ln31		\$	0.0208
40							
41	Probability of Occurrence - Design 2			Input Sheet Ln53		0.155	
42							
43	Weighted Material by FRC - Design 2	357C	03	Col G Ln 33 * Ln 41		\$	2.0040
44		357C	06	Col G Ln 34 * Ln 41		\$	12.4265
45		357C	09	Col G Ln 35 * Ln 41		\$	2.9657
46		357C	15	Col G Ln 36 * Ln 41		\$	0.0323
47		822C	00	Col G Ln 37 * Ln 41		\$	0.0039
48		845C	00	Col G Ln 38 * Ln 41		\$	0.0011
49		85C	00	Col G Ln 39 * Ln 41		\$	0.0032

001582

	A	B	C	D	E	F	G
1	Tennessee						
2	Interoffice Dedicated Transport VG 4 WIRE						
3	Study Period: 01/2000 - 12/2002					Design 3 - OC48 Ring	
4							
5	Element #: D.12						
6	Item/Description						
7	Description	FRC	SubFRC	SOURCE	Network No Requested	Amount	(E)*(F) Total Mat
8	C.O. Node - OC-48 (BLSR)	357C	03	Input Sheet Ln36	6	\$ 1.3284	\$ 7.9701
9		357C	06	Input Sheet Ln37	6	\$ 3.9377	\$ 23.6264
10							
11	C.O. Node - OC-48 BLSR Intermed.	357C	03	Input Sheet Ln34	2	\$ 2.6210	\$ 5.2419
12		357C	06	Input Sheet Ln35	2	\$ 8.0186	\$ 16.0372
13							
14	C.O. Interface DS1 on OC-48 - Mux & Prot.	357C	03	Input Sheet Ln22	2	\$ 0.0443	\$ 0.0886
15		357C	06	Input Sheet Ln23	2	\$ 22.6154	\$ 45.2308
16							
17	C.O. Interface DS1 on OC-48 - Working	357C	03	Input Sheet Ln24	2	\$ 0.6173	\$ 1.2346
18		357C	09	Input Sheet Ln25	2	\$ 7.2770	\$ 14.5539
19							
20	Data Communications - OC-48	357C	15	Input Sheet Ln40	2	\$ 0.1042	\$ 0.2085
21							
22	C.O. Connection STS-1 on OC-48 - Mux & Prot.	357C	06	Input Sheet Ln12	4	\$ 1.5761	\$ 6.3045
23							
24	C.O. Connection STS-1 on OC-48 - Working	357C	03	Input Sheet Ln13	4	\$ 0.5252	\$ 2.1009
25		357C	09	Input Sheet Ln14	4	\$ 2.2898	\$ 9.1594
26							
27	AR-Fiber - OC-48 BLSR Per Weighted Fiber Mile	822C	00	Input Sheet Ln43	3	\$ 0.0083	\$ 0.0249
28							
29	BU-Fiber - OC-48 BLSR Per Weighted Fiber Mile	845C	00	Input Sheet Ln46	3	\$ 0.0023	\$ 0.0068
30							
31	UG-Fiber - OC-48 BLSR Per Weighted Fiber Mile	85C	00	Input Sheet Ln49	3	\$ 0.0069	\$ 0.0208
32							
33	Total Material by FRC - Design 3	357C	03	Col G Ln8+Ln11+Ln14+Ln17+Ln24			\$ 16.6361
34		357C	06	Col G Ln9+Ln12+Ln15+Ln22			\$ 91.1988
35		357C	09	Col G Ln18+Ln25			\$ 23.7133
36		357C	15	Col G Ln20			\$ 0.2085
37		822C	00	Col G Ln27			\$ 0.0249
38		845C	00	Col G Ln29			\$ 0.0068
39		85C	00	Col G Ln31			\$ 0.0208
40							
41	Probability of Occurrence - Design 3			Input Sheet Ln53		0.155	
42							
43	Weighted Material by FRC - Design 3	357C	03	Col G Ln 33 * Ln 41			\$ 2.5786
44		357C	06	Col G Ln 34 * Ln 41			\$ 14.1358
45		357C	09	Col G Ln 35 * Ln 41			\$ 3.6756
46		357C	15	Col G Ln 36 * Ln 41			\$ 0.0323
47		822C	00	Col G Ln 37 * Ln 41			\$ 0.0039
48		845C	00	Col G Ln 38 * Ln 41			\$ 0.0011
49		85C	00	Col G Ln 39 * Ln 41			\$ 0.0032

001583

	A	B	C	D	E	F	G
1	Tennessee						
2	Interoffice Dedicated Transport VG 4 WIRE						
3	Study Period: 01/2000 - 12/2002					Design 4 - OC48 Ring	
4							
5	Element #: D.12						
6	Item/Description						
7	Description	FRC	SubFRC	SOURCE	Network No Requested	Amount	(E)*(F) Total Mat
8	C.O. Node - OC-48 (BLSR)	357C	03	Input Sheet Ln36	6	\$ 1.3284	\$ 7.9701
9		357C	06	Input Sheet Ln37	6	\$ 3.9377	\$ 23.6264
10							
11	C.O. Node - OC-48 BLSR Intermed.	357C	03	Input Sheet Ln34	5	\$ 2.6210	\$ 13.1048
12		357C	06	Input Sheet Ln35	5	\$ 8.0186	\$ 40.0929
13							
14	C.O. Interface DS1 on OC-48 - Mux & Prot.	357C	03	Input Sheet Ln22	2	\$ 0.0443	\$ 0.0886
15		357C	06	Input Sheet Ln23	2	\$ 22.6154	\$ 45.2308
16							
17	C.O. Interface DS1 on OC-48 - Working	357C	03	Input Sheet Ln24	2	\$ 0.6173	\$ 1.2346
18		357C	09	Input Sheet Ln25	2	\$ 7.2770	\$ 14.5539
19							
20	Data Communications - OC-48	357C	15	Input Sheet Ln40	3	\$ 0.1042	\$ 0.3127
21							
22	C.O. Connection STS-1 on OC-48 - Mux & Prot.	357C	06	Input Sheet Ln12	4	\$ 1.5761	\$ 6.3045
23							
24	C.O. Connection STS-1 on OC-48 - Working	357C	03	Input Sheet Ln13	4	\$ 0.5252	\$ 2.1009
25		357C	09	Input Sheet Ln14	4	\$ 2.2898	\$ 9.1594
26							
27	AR-Fiber - OC-48 BLSR Per Weighted Fiber Mile	822C	00	Input Sheet Ln43	3	\$ 0.0083	\$ 0.0249
28							
29	BU-Fiber - OC-48 BLSR Per Weighted Fiber Mile	845C	00	Input Sheet Ln46	3	\$ 0.0023	\$ 0.0068
30							
31	UG-Fiber - OC-48 BLSR Per Weighted Fiber Mile	85C	00	Input Sheet Ln49	3	\$ 0.0069	\$ 0.0208
32							
33	Total Material by FRC - Design 4	357C	03	Col G Ln8+Ln11+Ln14+Ln17+Ln24			\$ 24.4990
34		357C	06	Col G Ln9+Ln12+Ln15+Ln22			\$ 115.2546
35		357C	09	Col G Ln18+Ln25			\$ 23.7133
36		357C	15	Col G Ln20			\$ 0.3127
37		822C	00	Col G Ln27			\$ 0.0249
38		845C	00	Col G Ln29			\$ 0.0068
39		85C	00	Col G Ln31			\$ 0.0208
40							
41	Probability of Occurrence - Design 4			Input Sheet Ln53		0.077	
42							
43	Weighted Material by FRC - Design 4	357C	03	Col G Ln 33 * Ln 41			\$ 1.8864
44		357C	06	Col G Ln 34 * Ln 41			\$ 8.8746
45		357C	09	Col G Ln 35 * Ln 41			\$ 1.8259
46		357C	15	Col G Ln 36 * Ln 41			\$ 0.0241
47		822C	00	Col G Ln 37 * Ln 41			\$ 0.0019
48		845C	00	Col G Ln 38 * Ln 41			\$ 0.0005
49		85C	00	Col G Ln 39 * Ln 41			\$ 0.0016
50							
51							
52							
53							
54							

001584

A		B	C	D	E	F	G
1	Tennessee						
2	Interoffice Dedicated Transport VG 4 WIRE						
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.12						
6	Design 5 - OC48 and OC12 Ring						
7	Item/Description						
8	Description	FRC	SubFRC	SOURCE	Network No Requested	Amount	(E)*(F) Total Mat
9	OC 48 Ring						
10	C.O. Node - OC-48 (BLSR)	357C	03	Input Sheet Ln36	2	\$ 1.3284	\$ 2.6567
11	C.O. Node - OC-48 BLSR Intermed.	357C	06	Input Sheet Ln37	2	\$ 3.9377	\$ 7.8755
12		357C	03	Input Sheet Ln34	1	\$ 2.6210	\$ 2.6210
13	C.O. Interface DS1 on OC-48 - Mux & Prot.	357C	06	Input Sheet Ln35	1	\$ 8.0186	\$ 8.0186
14		357C	03	Input Sheet Ln22	1	\$ 0.0443	\$ 0.0443
15	C.O. Interface DS1 on OC-48 - Working	357C	06	Input Sheet Ln23	1	\$ 22.6154	\$ 22.6154
16		357C	03	Input Sheet Ln24	1	\$ 0.6173	\$ 0.6173
17	Data Communications - OC-48	357C	09	Input Sheet Ln25	1	\$ 7.2770	\$ 7.2770
18	C.O. Connection STS-1 on OC-48 - Mux & Prot.	357C	15	Input Sheet Ln40	1	\$ 0.1042	\$ 0.1042
19		357C	06	Input Sheet Ln12	1	\$ 1.5761	\$ 1.5761
20	C.O. Connection STS-1 on OC-48 - Working	357C	03	Input Sheet Ln13	1	\$ 0.5252	\$ 0.5252
21		357C	09	Input Sheet Ln14	1	\$ 2.2898	\$ 2.2898
22	AR-Fiber - OC-48 BLSR Per Weighted Fiber Mile	822C	00	Input Sheet Ln43	3	\$ 0.0083	\$ 0.0249
23	BU-Fiber - OC-48 BLSR Per Weighted Fiber Mile	845C	00	Input Sheet Ln46	3	\$ 0.0023	\$ 0.0068
24	UG-Fiber - OC-48 BLSR Per Weighted Fiber Mile	85C	00	Input Sheet Ln49	3	\$ 0.0069	\$ 0.0208
25	OC48 Ring Material by FRC - Design 5	357C	03	Col G Ln9+Ln11+Ln13+Ln15+Ln19			\$ 6.4645
26		357C	06	Col G Ln10+Ln12+Ln14+Ln18			\$ 40.0856
27		357C	09	Col G Ln16+Ln20			\$ 9.5668
28		357C	15	Col G Ln17			\$ 0.1042
29		822C	00	Col G Ln21			\$ 0.0249
30		845C	00	Col G Ln22			\$ 0.0068
31		85C	00	Col G Ln23			\$ 0.0208
32	OC 12 Ring						
33	C.O. Node - OC-12	357C	03	Input Sheet Ln32	4	\$ 0.5850	\$ 2.3399
34		357C	06	Input Sheet Ln33	4	\$ 7.2601	\$ 29.0402
35	C.O. Interface DS1 on OC-12 Mux & Prot.	357C	03	Input Sheet Ln18	1	\$ 0.0443	\$ 0.0443
36		357C	06	Input Sheet Ln19	1	\$ 15.6457	\$ 15.6457
37	C.O. Interface DS1 on OC-12 Working	357C	03	Input Sheet Ln20	1	\$ 0.6173	\$ 0.6173
38		357C	09	Input Sheet Ln21	1	\$ 7.2770	\$ 7.2770
39	Data Communications - OC-12	357C	15	Input Sheet Ln39	1	\$ 0.3351	\$ 0.3351
40	C.O. Connection STS-1 on OC-12	357C	03	Input Sheet Ln10	1	\$ 0.5252	\$ 0.5252
41		357C	06	Input Sheet Ln11	1	\$ 4.8995	\$ 4.8995
42	AR-Fiber - OC-12 Per Weighted Fiber Mile	822C	00	Input Sheet Ln42	3	\$ 0.0267	\$ 0.0801
43	BU-Fiber - OC-12 Per Weighted Fiber Mile	845C	00	Input Sheet Ln45	3	\$ 0.0073	\$ 0.0220
44	UG-Fiber - OC-12 Per Weighted Fiber Mile	85C	00	Input Sheet Ln48	3	\$ 0.0223	\$ 0.0669
45							
46	OC12 Ring Material by FRC - Design 5	357C	03	Col G Ln33+Ln35+Ln37+Ln40			\$ 3.5267
47		357C	06	Col G Ln34+Ln36+Ln41			\$ 49.5854
48		357C	09	Col G Ln38			\$ 7.2770
49		357C	15	Col G Ln39			\$ 0.3351
50		822C	00	Col G Ln42			\$ 0.0801
51		845C	00	Col G Ln43			\$ 0.0220
52		85C	00	Col G Ln44			\$ 0.0669
53							
54	TOTAL MATERIAL by FRC - Design 5	357C	03	Col G Ln25+Ln46			\$ 9.9911
55		357C	06	Col G Ln26+Ln47			\$ 89.6709
56		357C	09	Col G Ln27+Ln48			\$ 16.8438
57		357C	15	Col G Ln28+Ln49			\$ 0.4394
58		822C	00	Col G Ln29+Ln50			\$ 0.1050
59		845C	00	Col G Ln30+Ln51			\$ 0.0288
60		85C	00	Col G Ln31+Ln52			\$ 0.0877
61							
62	Probability of Occurrence - Design 5			Input Sheet Ln53		0.022	
63							
64	Weighted Material by FRC - Design 5	357C	03	Col G Ln 54 * Ln 62			\$ 0.2198
65		357C	06	Col G Ln 55 * Ln 62			\$ 1.9728
66		357C	09	Col G Ln 56 * Ln 62			\$ 0.3706
67		357C	15	Col G Ln 57 * Ln 62			\$ 0.0097
68		822C	00	Col G Ln 58 * Ln 62			\$ 0.0023
69		845C	00	Col G Ln 59 * Ln 62			\$ 0.0006
70		85C	00	Col G Ln 60 * Ln 62			\$ 0.0019

001585

	A	B	C	D	E	F	G
1	Tennessee						
2	Interoffice Dedicated Transport VG 4 WIRE					Design 6 - OC-12 Ring	
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.12						
6	Item/Description				Network No		(E)*(F)
7	Description	FRC	SubFRC	SOURCE	Requested	Amount	Total Mat
8	C.O. Node - OC-12	357C	03	Input Sheet Ln32	4	\$ 0.5850	\$ 2.3399
9		357C	06	Input Sheet Ln33	4	\$ 7.2601	\$ 29.0402
10							
11	C.O. Interface DS1 on OC-12 Mux & Prot.	357C	03	Input Sheet Ln18	2	\$ 0.0443	\$ 0.0886
12		357C	06	Input Sheet Ln19	2	\$ 15.6457	\$ 31.2914
13							
14	C.O. Interface DS1 on OC-12 Working	357C	03	Input Sheet Ln20	2	\$ 0.6173	\$ 1.2346
15		357C	09	Input Sheet Ln21	2	\$ 7.2770	\$ 14.5539
16							
17	Data Communications - OC-12	357C	15	Input Sheet Ln39	1	\$ 0.3351	\$ 0.3351
18							
19	AR-Fiber - OC-12 Per Weighted Fiber Mile	822C	00	Input Sheet Ln42	3	\$ 0.0267	\$ 0.0801
20							
21	BU-Fiber - OC-12 Per Weighted Fiber Mile	845C	00	Input Sheet Ln45	3	\$ 0.0073	\$ 0.0220
22							
23	UG-Fiber - OC-12 Per Weighted Fiber Mile	85C	00	Input Sheet Ln48	3	\$ 0.0223	\$ 0.0669
24							
25	Total Material by FRC - Design 6	357C	03	Col G Ln8+Ln11+Ln14		\$	3.6630
26		357C	06	Col G Ln9 + Ln 12		\$	60.3316
27		357C	09	Col G Ln15		\$	14.5539
28		357C	15	Col G Ln17		\$	0.3351
29		822C	00	Col G Ln19		\$	0.0801
30		845C	00	Col G Ln21		\$	0.0220
31		85C	00	Col G Ln23		\$	0.0669
32							
33	Probability of Occurrence - Design 6			Input Sheet Ln53		0.044	
34							
35	Weighted Material by FRC - Design 6	357C	03	Col G Ln 25 * Ln 33		\$	0.1612
36		357C	06	Col G Ln 26 * Ln 33		\$	2.6546
37		357C	09	Col G Ln 27 * Ln 33		\$	0.6404
38		357C	15	Col G Ln 28 * Ln 33		\$	0.0147
39		822C	00	Col G Ln 29 * Ln 33		\$	0.0035
40		845C	00	Col G Ln 30 * Ln 33		\$	0.0010
41		85C	00	Col G Ln 31 * Ln 33		\$	0.0029

001586

	A	B	C	D	E	F	G
1	Tennessee						
2	Interoffice Dedicated Transport VG 4 WIRE					Design 7 - OC-12 Ring	
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.12						
6	Item/Description				Network No		(E)*(F)
7	Description	FRC	SubFRC	SOURCE	Requested	Amount	Total Mat
8	C.O. Node - OC-12	357C	03	Input Sheet Ln32	10	\$ 0.5850	\$ 5.8497
9		357C	06	Input Sheet Ln33	10	\$ 7.2601	\$ 72.6006
10							
11	C.O. Interface DS1 on OC-12 Mux & Prot.	357C	03	Input Sheet Ln18	2	\$ 0.0443	\$ 0.0886
12		357C	06	Input Sheet Ln19	2	\$ 15.6457	\$ 31.2914
13							
14	C.O. Interface DS1 on OC-12 Working	357C	03	Input Sheet Ln20	2	\$ 0.6173	\$ 1.2346
15		357C	09	Input Sheet Ln21	2	\$ 7.2770	\$ 14.5539
16							
17	Data Communications - OC-12	357C	15	Input Sheet Ln39	2	\$ 0.3351	\$ 0.6703
18							
19	C.O. Connection STS-1 on OC-12	357C	03	Input Sheet Ln10	2	\$ 0.5252	\$ 1.0505
20		357C	06	Input Sheet Ln11	2	\$ 4.8995	\$ 9.7989
21							
22	AR-Fiber - OC-12 Per Weighted Fiber Mile	822C	00	Input Sheet Ln42	3	\$ 0.0267	\$ 0.0801
23							
24	BU-Fiber - OC-12 Per Weighted Fiber Mile	845C	00	Input Sheet Ln45	3	\$ 0.0073	\$ 0.0220
25							
26	UG-Fiber - OC-12 Per Weighted Fiber Mile	85C	00	Input Sheet Ln48	3	\$ 0.0223	\$ 0.0669
27							
28							
29	Total Material by FRC - Design 7	357C	03	Col G Ln8+Ln11+Ln14+Ln19			\$ 8.2233
30		357C	06	Col G Ln9+Ln12+Ln20			\$ 113.6909
31		357C	09	Col G Ln15			\$ 14.5539
32		357C	15	Col G Ln17			\$ 0.6703
33		822C	00	Col G Ln22			\$ 0.0801
34		845C	00	Col G Ln24			\$ 0.0220
35		85C	00	Col G Ln26			\$ 0.0669
36							
37	Probability of Occurrence - Design 7			Input Sheet Ln53		0.022	
38							
39	Weighted Material by FRC - Design 7	357C	03	Col G Ln 29 * Ln 37			\$ 0.1809
40		357C	06	Col G Ln 30 * Ln 37			\$ 2.5012
41		357C	09	Col G Ln 31 * Ln 37			\$ 0.3202
42		357C	15	Col G Ln 32 * Ln 37			\$ 0.0147
43		822C	00	Col G Ln 33 * Ln 37			\$ 0.0018
44		845C	00	Col G Ln 34 * Ln 37			\$ 0.0005
45		85C	00	Col G Ln 35 * Ln 37			\$ 0.0015

001587

	A	B	C	D	E	F	G
1	Tennessee						
2	Interoffice Dedicated Transport VG 4 WIRE						
3	Study Period: 01/2000 - 12/2002					Design 8 - OC-3 Ring	
4							
5	Element #: D.12						
6	Item/Description						
7	Description	FRC	SubFRC	SOURCE	Network No Requested	Amount	(E)*(F) Total Mat
8	C.O. Node - OC-3	357C	03	Input Sheet Ln26	3	\$ 0.4798	\$ 1.4393
9		357C	06	Input Sheet Ln27	3	\$ 11.1310	\$ 33.3929
10							
11	C.O. Interface DS1 on OC-3 - Mux & Prot.	357C	06	Input Sheet Ln15	2	\$ 4.8949	\$ 9.7898
12							
13	C.O. Interface DS1 on OC-3 - Working	357C	03	Input Sheet Ln16	2	\$ 0.6173	\$ 1.2346
14		357C	09	Input Sheet Ln17	2	\$ 7.2770	\$ 14.5539
15							
16	Data Communications - OC-3	357C	15	Input Sheet Ln38	1	\$ 1.1653	\$ 1.1653
17							
18	AR-Fiber - OC-3 Per Weighted Fiber Mile	822C	00	Input Sheet Ln41	3	\$ 0.0928	\$ 0.2784
19							
20	BU-Fiber - OC-3 Per Weighted Fiber Mile	845C	00	Input Sheet Ln44	3	\$ 0.0255	\$ 0.0764
21							
22	UG-Fiber - OC-3 Per Weighted Fiber Mile	85C	00	Input Sheet Ln47	3	\$ 0.0775	\$ 0.2326
23							
24	Total Material by FRC - Design 8	357C	03	Col G, Ln8+Ln13			\$ 2.6739
25		357C	06	Col G, Ln9+Ln11			\$ 43.1827
26		357C	09	Col G Ln14			\$ 14.5539
27		357C	15	Col G Ln16			\$ 1.1653
28		822C	00	Col G Ln18			\$ 0.2784
29		845C	00	Col G Ln20			\$ 0.0764
30		85C	00	Col G Ln22			\$ 0.2326
31							
32	Probability of Occurrence - Design 8			Input Sheet Ln53		0.010	
33							
34	Weighted Material by FRC - Design 8	357C	03	Col G Ln 24 * Ln 32			\$ 0.0267
35		357C	06	Col G Ln 25 * Ln 32			\$ 0.4318
36		357C	09	Col G Ln 26 * Ln 32			\$ 0.1455
37		357C	15	Col G Ln 27 * Ln 32			\$ 0.0117
38		822C	00	Col G Ln 28 * Ln 32			\$ 0.0028
39		845C	00	Col G Ln 29 * Ln 32			\$ 0.0008
40		85C	00	Col G Ln 30 * Ln 32			\$ 0.0023

001588

	A	B	C	D	E	F	G
1	Tennessee						
2	Interoffice Dedicated Transport VG 4 WIRE				Design 9 - OC-3+ Ring		
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.12						
6	Item/Description				Network No		(E)*(F)
7	Description	FRC	SubFRC	SOURCE	Requested	Amount	Total Mat
8	C.O. Node - OC-3+	357C	03	Input Sheet Ln30	5	\$ 1.5316	\$ 7.6582
9		357C	06	Input Sheet Ln31	5	\$ 13.2875	\$ 66.4375
10							
11	C.O. Interface DS1 on OC-3 - Mux & Prot.	357C	06	Input Sheet Ln15	2	\$ 4.8949	\$ 9.7898
12							
13	C.O. Interface DS1 on OC-3 - Working	357C	03	Input Sheet Ln16	2	\$ 0.6173	\$ 1.2346
14		357C	09	Input Sheet Ln17	2	\$ 7.2770	\$ 14.5539
15							
16	Data Communications - OC-12	357C	15	Input Sheet Ln39	1	\$ 0.3351	\$ 0.3351
17							
18	AR-Fiber - OC-12 Per Weighted Fiber Mile	822C	00	Input Sheet Ln42	3	\$ 0.0267	\$ 0.0801
19							
20	BU-Fiber - OC-12 Per Weighted Fiber Mile	845C	00	Input Sheet Ln45	3	\$ 0.0073	\$ 0.0220
21							
22	UG-Fiber - OC-12 Per Weighted Fiber Mile	85C	00	Input Sheet Ln48	3	\$ 0.0223	\$ 0.0669
23							
24	Total Material by FRC - Design 9	357C	03	Col G Ln8+Ln13			\$ 8.8928
25		357C	06	Col G Ln9+Ln11			\$ 76.2274
26		357C	09	Col G Ln14			\$ 14.5539
27		357C	15	Col G Ln16			\$ 0.3351
28		822C	00	Col G Ln18			\$ 0.0801
29		845C	00	Col G Ln20			\$ 0.0220
30		85C	00	Col G Ln22			\$ 0.0669
31							
32	Probability of Occurrence - Design 9			Input Sheet Ln53		0.022	
33							
34	Weighted Material by FRC - Design 9	357C	03	Col G Ln 24 * Ln 32			\$ 0.1956
35		357C	06	Col G Ln 25 * Ln 32			\$ 1.6770
36		357C	09	Col G Ln 26 * Ln 32			\$ 0.3202
37		357C	15	Col G Ln 27 * Ln 32			\$ 0.0074
38		822C	00	Col G Ln 28 * Ln 32			\$ 0.0018
39		845C	00	Col G Ln 29 * Ln 32			\$ 0.0005
40		85C	00	Col G Ln 30 * Ln 32			\$ 0.0015

001589

	A	B	C	D	E	F	G
1	Tennessee						
2	Interoffice Dedicated Transport VG 4 WIRE					Design 10 - OC-48 Ring and OC-3 Ring	
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.12						
6	Item/Description				Network No		(E)*(F)
7	Description	FRC	SubFRC	SOURCE	Requested	Amount	Total Mat
8	OC 48 Ring						
9	C.O. Node - OC-48 (BLSR)	357C	03	Input Sheet Ln36	2	\$1.3284	\$2.6567
10		357C	06	Input Sheet Ln37	2	\$3.9377	\$7.8755
11	C.O. Node - OC-48 BLSR Intermed.	357C	03	Input Sheet Ln34	1	\$2.6210	\$2.6210
12		357C	06	Input Sheet Ln35	1	\$8.0186	\$8.0186
13	C.O. Interface DS1 on OC-48 - Mux & Prot.	357C	03	Input Sheet Ln22	1	\$0.0443	\$0.0443
14		357C	06	Input Sheet Ln23	1	\$22.6154	\$22.6154
15	C.O. Interface DS1 on OC-48 - Working	357C	03	Input Sheet Ln24	1	\$0.6173	\$0.6173
16		357C	09	Input Sheet Ln25	1	\$7.2770	\$7.2770
17	Data Communications - OC-48	357C	15	Input Sheet Ln40	1	\$0.1042	\$0.1042
18	C.O. Connection STS-1 on OC-48 - Mux & Prot.	357C	06	Input Sheet Ln12	1	\$1.5761	\$1.5761
19	C.O. Connection STS-1 on OC-48 - Working	357C	03	Input Sheet Ln13	1	\$0.5252	\$0.5252
20	C.O. Connection STS-1 on OC-48 - Working	357C	09	Input Sheet Ln14	1	\$2.2898	\$2.2898
21	AR-Fiber - OC-48 BLSR Per Weighted Fiber Mile	822C	00	Input Sheet Ln43	3	\$0.0083	\$0.0249
22	BU-Fiber - OC-48 BLSR Per Weighted Fiber Mile	845C	00	Input Sheet Ln46	3	\$0.0023	\$0.0068
23	UG-Fiber - OC-48 BLSR Per Weighted Fiber Mile	85C	00	Input Sheet Ln49	3	\$0.0069	\$0.0208
24							
25	OC48 Ring Material by FRC - Design 10	357C	03	Col G Ln9+Ln11+Ln13+Ln15+Ln19			\$6.4645
26		357C	06	Col G Ln10+Ln12+Ln14+Ln18			\$40.0856
27		357C	09	Col G Ln16+Ln20			\$9.5668
28		357C	15	Col G Ln17			\$0.1042
29		822C	00	Col G Ln21			\$0.0249
30		845C	00	Col G Ln22			\$0.0068
31		85C	00	Col G Ln23			\$0.0208
32	OC 3 Ring						
33	C.O. Node - OC-3	357C	03	Input Sheet Ln26	3	\$0.4798	\$1.4393
34		357C	06	Input Sheet Ln27	3	\$11.1310	\$33.3929
35	C.O. Interface DS1 on OC-3 - Mux & Prot.	357C	06	Input Sheet Ln15	1	\$4.8949	\$4.8949
36	C.O. Interface DS1 on OC-3 - Working	357C	03	Input Sheet Ln16	1	\$0.6173	\$0.6173
37		357C	09	Input Sheet Ln17	1	\$7.2770	\$7.2770
38	Data Communications - OC-3	357C	15	Input Sheet Ln38	1	\$1.1653	\$1.1653
39	C.O. Connection STS-1 on OC-3	357C	03	Input Sheet Ln8	1	\$0.5252	\$0.5252
40		357C	06	Input Sheet Ln9	1	\$7.8222	\$7.8222
41	AR-Fiber - OC-3 Per Weighted Fiber Mile	822C	00	Input Sheet Ln41	3	\$0.0928	\$0.2784
42	BU-Fiber - OC-3 Per Weighted Fiber Mile	845C	00	Input Sheet Ln44	3	\$0.0255	\$0.0764
43	UG-Fiber - OC-3 Per Weighted Fiber Mile	85C	00	Input Sheet Ln47	3	\$0.0775	\$0.2326
44							
45	OC3 Ring Material by FRC - Design 10	357C	03	Col G Ln33+Ln36+Ln39			\$2.5818
46		357C	06	Col G Ln34+Ln35+Ln40			\$46.1100
47		357C	09	Col G Ln37			\$7.2770
48		357C	15	Col G Ln38			\$1.1653
49		822C	00	Col G Ln41			\$0.2784
50		845C	00	Col G Ln42			\$0.0764
51		85C	00	Col G Ln43			\$0.2326
52							
53	TOTAL MATERIAL by FRC - Design 10	357C	03	Col G Ln25+Ln45			\$9.0463
54		357C	06	Col G Ln26+Ln46			\$86.1956
55		357C	09	Col G Ln27+Ln47			\$16.8438
56		357C	15	Col G Ln28+Ln48			\$1.2696
57		822C	00	Col G Ln29+Ln49			\$0.3033
58		845C	00	Col G Ln30+Ln50			\$0.0832
59		85C	00	Col G Ln31+Ln51			\$0.2534
60							
61	Probability of Occurrence - Design 10			Input Sheet Ln53		0.020	
62							
63	Weighted Material by FRC - Design 10	357C	03	Col G Ln 53 * Ln 61			\$0.1809
64		357C	06	Col G Ln 54 * Ln 61			\$1.7239
65		357C	09	Col G Ln 55 * Ln 61			\$0.3369
66		357C	15	Col G Ln 56 * Ln 61			\$0.0254
67		822C	00	Col G Ln 57 * Ln 61			\$0.0061
68		845C	00	Col G Ln 58 * Ln 61			\$0.0017
69		85C	00	Col G Ln 59 * Ln 61			\$0.0051

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A		B	C	D	E	F	G
1	Tennessee						
2	Interoffice Dedicated Transport VG 4 WIRE						
3	Study Period: 01/2000 - 12/2002					Design 11 - OC-12 Ring and OC-3 Ring	
4							
5	Element #: D.12						
6	Item/Description						
7	Description	FRC	SubFRC	SOURCE	Network No Requested	Amount	(E)*(F) Total Mat
8	OC 12 Ring						
9	C.O. Node - OC-12	357C	03	Input Sheet Ln32	4	\$ 0.5850	\$ 2.3399
10		357C	06	Input Sheet Ln33	4	\$ 7.2601	\$ 29.0402
11	C.O. Interface DS1 on OC-12 Mux & Prot.	357C	03	Input Sheet Ln18	1	\$ 0.0443	\$ 0.0443
12		357C	06	Input Sheet Ln19	1	\$ 15.6457	\$ 15.6457
13	C.O. Interface DS1 on OC-12 Working	357C	03	Input Sheet Ln20	1	\$ 0.6173	\$ 0.6173
14		357C	09	Input Sheet Ln21	1	\$ 7.2770	\$ 7.2770
15	Data Communications - OC-12	357C	15	Input Sheet Ln39	1	\$ 0.3351	\$ 0.3351
16	C.O. Connection STS-1 on OC-12	357C	03	Input Sheet Ln10	1	\$ 0.5252	\$ 0.5252
17		357C	06	Input Sheet Ln11	1	\$ 4.8995	\$ 4.8995
18	AR-Fiber - OC-12 Per Weighted Fiber Mile	822C	00	Input Sheet Ln42	3	\$ 0.0267	\$ 0.0801
19	BU-Fiber - OC-12 Per Weighted Fiber Mile	845C	00	Input Sheet Ln45	3	\$ 0.0073	\$ 0.0220
20	UG-Fiber - OC-12 Per Weighted Fiber Mile	85C	00	Input Sheet Ln48	3	\$ 0.0223	\$ 0.0669
21							
22	OC12 Ring Material by FRC - Design 11	357C	03	Col G,Ln9+Ln11+Ln13+Ln16			\$ 3.5267
23		357C	06	Col G,Ln10+Ln12+Ln17			\$ 49.5854
24		357C	09	Col G Ln14			\$ 7.2770
25		357C	15	Col G Ln15			\$ 0.3351
26		822C	00	Col G Ln18			\$ 0.0801
27		845C	00	Col G Ln19			\$ 0.0220
28		85C	00	Col G Ln20			\$ 0.0669
29	OC 3 Ring						
30	C.O. Node - OC-3	357C	03	Input Sheet Ln26	3	\$ 0.4798	\$ 1.4393
31		357C	06	Input Sheet Ln27	3	\$ 11.1310	\$ 33.3929
32	C.O. Interface DS1 on OC-3 - Mux & Prot.	357C	06	Input Sheet Ln15	1	\$ 4.8949	\$ 4.8949
33	C.O. Interface DS1 on OC-3 - Working	357C	03	Input Sheet Ln16	1	\$ 0.6173	\$ 0.6173
34		357C	09	Input Sheet Ln17	1	\$ 7.2770	\$ 7.2770
35	Data Communications - OC-3	357C	15	Input Sheet Ln38	1	\$ 1.1653	\$ 1.1653
36	C.O. Connection STS-1 on OC-3	357C	03	Input Sheet Ln8	1	\$ 0.5252	\$ 0.5252
37		357C	06	Input Sheet Ln9	1	\$ 7.8222	\$ 7.8222
38	AR-Fiber - OC-3 Per Weighted Fiber Mile	357C	00	Input Sheet Ln41	3	\$ 0.0928	\$ 0.2784
39	BU-Fiber - OC-3 Per Weighted Fiber Mile	822C	00	Input Sheet Ln44	3	\$ 0.0255	\$ 0.0764
40	UG-Fiber - OC-3 Per Weighted Fiber Mile	845C	00	Input Sheet Ln47	3	\$ 0.0775	\$ 0.2326
41							
42	OC3 Ring Material by FRC - Design 11	357C	03	Col G,Ln30+Ln33+Ln36			\$ 2.5818
43		357C	06	Col G,Ln31+Ln32+Ln37			\$ 46.1100
44		357C	09	Col G Ln34			\$ 7.2770
45		357C	15	Col G Ln35			\$ 1.1653
46		822C	00	Col G Ln38			\$ 0.2784
47		845C	00	Col G Ln39			\$ 0.0764
48		85C	00	Col G Ln40			\$ 0.2326
49	TOTAL MATERIAL by FRC - Design 11	357C	03	Col G,Ln22+Ln42			\$ 6.1085
50		357C	06	Col G,Ln23+Ln43			\$ 95.6954
51		357C	09	Col G,Ln24+Ln44			\$ 14.5539
52		357C	15	Col G,Ln25+Ln45			\$ 1.5005
53		822C	00	Col G,Ln26+Ln46			\$ 0.3585
54		845C	00	Col G,Ln27+Ln47			\$ 0.0983
55		85C	00	Col G,Ln28+Ln48			\$ 0.2995
56							
57	Probability of Occurrence - Design 11			Input Sheet Ln53		0.010	
58							
59	Weighted Material by FRC - Design 11	357C	03	Col G Ln 49 * Ln 57			\$ 0.0611
60		357C	06	Col G Ln 50 * Ln 57			\$ 0.9570
61		357C	09	Col G Ln 51 * Ln 57			\$ 0.1455
62		357C	15	Col G Ln 52 * Ln 57			\$ 0.0150
63		822C	00	Col G Ln 53 * Ln 57			\$ 0.0036
64		845C	00	Col G Ln 54 * Ln 57			\$ 0.0010
65		85C	00	Col G Ln 55 * Ln 57			\$ 0.0030

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	A	B	C	D	E	F	G
1	Tennessee						
2	Interoffice Dedicated Transport VG 4 WIRE			Design 12 - OC-3 Point to Point			
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.12						
6	Item/Description			Network No		(E)*(F)	
7	Description	FRC	SubFRC	Requested	Amount	Total Mat	SOURCE
8	C.O. Node - OC-3 Term (Point to Point only)	357C	03	Input Sheet Ln28	2	\$ 0.4802	\$ 0.9604
9		357C	06	Input Sheet Ln29	2	\$ 9.4363	\$ 18.8726
10							
11	C.O. Interface DS1 on OC-3 - Mux & Prot.	357C	06	Input Sheet Ln15	2	\$ 4.8949	\$ 9.7898
12							
13	C.O. Interface DS1 on OC-3 - Working	357C	03	Input Sheet Ln16	2	\$ 0.6173	\$ 1.2346
14		357C	09	Input Sheet Ln17	2	\$ 7.2770	\$ 14.5539
15							
16	AR-Fiber - OC-3 Per Weighted Fiber Mile	822C	00	Input Sheet Ln41	6	\$ 0.0928	\$ 0.5568
17							
18	BU-Fiber - OC-3 Per Weighted Fiber Mile	845C	00	Input Sheet Ln44	6	\$ 0.0255	\$ 0.1527
19							
20	UG-Fiber - OC-3 Per Weighted Fiber Mile	85C	00	Input Sheet Ln47	6	\$ 0.0775	\$ 0.4652
21							
22	Total Material by FRC - Design 12	357C	03	Col G Ln8+Ln13		\$	2.1950
23		357C	06	Col G Ln9+Ln11		\$	28.6625
24		357C	09	Col G Ln14		\$	14.5539
25		822C	00	Col G Ln16		\$	0.5568
26		845C	00	Col G Ln18		\$	0.1527
27		85C	00	Col G Ln20		\$	0.4652
28							
29	Probability of Occurrence - Design 12			Input Sheet Ln53		0.000	
30							
31	Weighted Material by FRC - Design 12	357C	03	Col G Ln 22 * Ln 29		\$	-
32		357C	06	Col G Ln 23 * Ln 29		\$	-
33		357C	09	Col G Ln 24 * Ln 29		\$	-
34		822C	00	Col G Ln 25 * Ln 29		\$	-
35		845C	00	Col G Ln 26 * Ln 29		\$	-
36		85C	00	Col G Ln 27 * Ln 29		\$	-

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	A	B	C	D	E	F	G
1	Tennessee						
2	Interoffice Dedicated Transport VG 4 WIRE			Design 13 - OC-3 Point to Point			
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: D.12						
6	Item/Description			Network No		(E)*(F)	
7	Description	FRC	SubFRC	Requested	Amount	Total Mat	SOURCE
8	C.O. Node - OC-3 Term (Point to Point only)	357C	03	Input Sheet Ln28	4	\$ 0.4802	\$ 1.9208
9		357C	06	Input Sheet Ln29	4	\$ 9.4363	\$ 37.7452
10							
11	C.O. Interface DS1 on OC-3 - Mux & Prot.	357C	06	Input Sheet Ln15	4	\$ 4.8949	\$ 19.5797
12							
13	C.O. Interface DS1 on OC-3 - Working	357C	03	Input Sheet Ln16	4	\$ 0.6173	\$ 2.4692
14		357C	09	Input Sheet Ln17	4	\$ 7.2770	\$ 29.1078
15							
16	AR-Fiber - OC-3 Per Weighted Fiber Mile	822C	00	Input Sheet Ln41	6	\$ 0.0928	\$ 0.5568
17							
18	BU-Fiber - OC-3 Per Weighted Fiber Mile	845C	00	Input Sheet Ln44	6	\$ 0.0255	\$ 0.1527
19							
20	UG-Fiber - OC-3 Per Weighted Fiber Mile	85C	00	Input Sheet Ln47	6	\$ 0.0775	\$ 0.4652
21							
22	Total Material by FRC - Design 13	357C	03	Col G Ln8+Ln13		\$	4.3899
23		357C	06	Col G Ln9+Ln11		\$	57.3249
24		357C	09	Col G Ln14		\$	29.1078
25		822C	00	Col G Ln16		\$	0.5568
26		845C	00	Col G Ln18		\$	0.1527
27		85C	00	Col G Ln20		\$	0.4652
28							
29	Probability of Occurrence - Design 13			Input Sheet Ln53		0.000	
30							
31	Weighted Material by FRC - Design 13	357C	03	Col G Ln 22 * Ln 29		\$	-
32		357C	06	Col G Ln 23 * Ln 29		\$	-
33		357C	09	Col G Ln 24 * Ln 29		\$	-
34		822C	00	Col G Ln 25 * Ln 29		\$	-
35		845C	00	Col G Ln 26 * Ln 29		\$	-
36		85C	00	Col G Ln 27 * Ln 29		\$	-

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[illegible]

001594

	A	B	C	D	E	F	G	H	I	J
1	CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA									
2										
3	Instructions:									
4	1. Use this worksheet to record material and/or investments to be input into the									
5	Calculator calculations.									
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).									
7	3. Input data, by Cost Element, leaving no blank lines. On next row									
8	after last line of data, type END in Cost Element Column.									
9	4. All data on this form should be cell-referenced to study workpapers.									
10	5. Do NOT change columns, headings, sheet name.									
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

001595

	A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - RECURRING EXPENSES DATA							
2								
3	Instructions:							
4	1. Use this worksheet to record recurring non-labor expenses to be input into the							
5	Calculator calculations.							
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).							
7	3. Input data, by Cost Element, leaving no blank lines. On next row							
8	after last line of data, type END in Cost Element Column.							
9	4. All data on this form should be cell-referenced to study workpapers.							
10	5. Do NOT change columns, headings, sheet name.							
11								
12								
13								
14								
15								
16								
17	<u>State</u>	<u>Cost</u>	<u>Recurring</u>	<u>Recurring</u>	<u>Recurring</u>			
18		<u>Element #</u>	<u>Expense Description</u>	<u>Volume</u>	<u>Volume</u>			
19			<u>(Limited to 25 characters)</u>	<u>Sensitive</u>	<u>Insensitive</u>			
20				<u>\$ Amount</u>	<u>\$ Amount</u>			
21								
22								
23								
24								
25								
26								
27								
28								
29	Maximum 10 entries per Cost Element #							
30								

001596

A	B	C	D	E	F	G	H
CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA							
1	Instructions:						
2	1. Use this worksheet to record nonrecurring non-labor expenses to be input into the Calculator calculations.						
3	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
4	3. Input data, by Cost Element, leaving no blank lines. On next row after last line of data, type END in Cost Element Column.						
5	4. All data on this form should be cell-referenced to study workpapers.						
6	5. Do NOT change columns, headings, sheet name.						
7	6. Use column D when cost element has a single nonrecurring cost; use columns E & F for elements with a first and additional nonrecurring cost; use columns G & H for elements with an initial and subsequent nonrecurring cost.						
8							
9							
10							
11							
12							
13							
14							
15							
16	<u>State</u>	<u>Cost</u>	<u>Nonrecurring</u>	<u>Nonrecurring</u>	<u>Nonrecurring</u>	<u>Nonrecurring</u>	<u>Nonrecurring</u>
17	<u>Element #</u>	<u>Expense Description</u>	<u>\$ Amount</u>	<u>First \$ Amount</u>	<u>Additional \$ Amount</u>	<u>Initial \$ Amount</u>	<u>Subsequent \$ Amount</u>
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28	Maximum 10 entries per Cost Element #						
29							
30							

001597

	A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA							
2								
3	Instructions:							
4	1. Use this worksheet to record recurring expensed labor times to be input into the							
5	Calculator calculations.							
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).							
7	3. Input data, by Cost Element, leaving no blank lines. On next row							
8	after last line of data, type END in Cost Element Column.							
9	4. All data on this form should be cell-referenced to study workpapers.							
10	5. Do NOT change columns, headings, sheet name.							
11								
12								
13								
14								
15	<u>State</u>	<u>Cost</u>	<u>Labor Expense Description</u>	<u>JFC/</u>	<u>Work Time (Hours)</u>	<u>Volume</u>	<u>Volume</u>	<u>Insensitive</u>
16		<u>Element #</u>	<u>(Limited to 25 characters)</u>	<u>Payband</u>	<u>Sensitive</u>			
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								
38								

Maximum 20 entries per Cost Element #

001598

CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES															
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
1	Instructions:														
2	1. Use this worksheet to record nonrecurring labor times to be input into the Calculator calculations.														
3	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).														
4	3. Input data, by Cost Element, leaving no blank lines. On next row														
5	after last line of data, type END in Cost Element Column.														
6	4. All data on this form should be cell-referenced to study workpapers.														
7	5. Do NOT change columns, headings, sheet name.														
8	6. Use columns F & G when cost element has a single nonrecurring cost; use columns H, I, J, & K for elements with a first														
9	and additional nonrecurring cost; use columns L, M, N & O for elements with an initial and subsequent nonrecurring cost.														
10	7. Input Cost Element Life (in months) on first row of data for each cost element. It is not necessary to repeat on each line.														
11															
12															
13															
14															
15	Study Mid-Point Date (Mos.) Jun-01														
16															
17															
18															
19															
20	State	Cost Element #	Cost Element Life (Mo)	Labor Expense Description (Limited to 25 characters)	JFCI Payband	(For use w/ one NR)		First Installation Time (Hours)	First Disconnect Time (Hours)	Additional Installation Time (Hours)	Additional Disconnect Time (Hours)	Initial Installation Time (Hours)	Initial Disconnect Time (Hours)	Subsequent Installation Time (Hours)	Subsequent Disconnect Time (Hours)
21	TN	E.3.11	60	Connect & Test	432X	1.080	1.080	1.080	1.080						
22	TN	E.3.11	60	Connect & Test	WS16	0.083	0.083								
23	END														
24															
25															
26															
27															
28															
29															
30															
31															
32															
33															
34															
35															
36															
37															
38															
39															
40															
41															
42															
43															
44															
45															
46	Maximum of 25 entries per Cost Element #														

001599

	A		B	C	D	E	F
1	Tennessee						
2	CCS7 SIGNALING TRANSPORT						
3	Study Period: 01/2000-12/2002 Level						
4							
5							
6	Item/Description		JFC / JG / WS	Source	Amount		
7	Description				Connect Hrs.	Disconnect Hrs.	
8							
9	Labor, Per Link		432X WS16	Network Network	1.080 0.083	1.080 0.083	
10	Connect & Test						
11	Connect & Test						
12							
13							
14	Study Mid Point						
15				Study Assumption	Jun-01		
16	Location Life, Months Connect						
					60		

001600

	A	B	C	D	E	F
1	TN					
2	Development of CCS7 Signaling Point Code, Establishment or Change, per STP affected					
3	Study Period: 01/2000-12/2002 Level					
4						
5	Element #:	E.3.11				
6	Item/Description					
7	Description	JFC / JG / WS	Source	Amount		
8	Connect & Test	432X	INPUT (LnE10 , LnF10)	Connect Hrs.	Disconnect Hrs.	
9	Connect & Test	WS16	INPUT (LnE11 , LnF11)	1.080	1.080	
10				0.083	0.083	
11						
12						
13	Location Life, Months Connect		INPUT LnD16	60		

001601

	A	B	C	D	E	F	G
1	CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA						
2							
3	Instructions:						
4	1. Use this worksheet to record material and/or investments to be input into the						
5	Calculator calculations.						
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
7	3. Input data, by Cost Element, leaving no blank lines. On next row						
8	after last line of data, type END in Cost Element Column.						
9	4. All data on this form should be cell-referenced to study workpapers.						
10	5. Do NOT change columns, headings, sheet name.						
11							
12							
13							
14	State	Cost	Element #	Sub	Volume Sensitive	Volume Insensitive	
15	TN	E.4.5	FRC	FRC	\$ Amount	\$ Amount	
16	TN	E.4.5	357C	03	\$0.00000183		
17	TN	E.4.5	357C	06	\$0.00000176		
18	TN	E.4.5	357C	09	\$0.00000200		
19	TN	E.4.5	357C	15	\$0.00000001		
20	TN	E.4.5	822C	00	\$0.00000001		
21	TN	E.4.5	845C	00	\$0.00000001		
22	TN	E.4.5	85C	00	\$0.00000002		
23	TN	E.4.5	377C	03	\$0.00022491		
24	TN	E.4.5	530C	00		\$0.00000723	
25	TN	E.4.5	630C	00		\$0.00000650	
26	TN	E.4.5	460C	00		\$0.00000752	
		END					

001602

A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - RECURRING EXPENSES DATA						
2							
3	Instructions:						
4	1. Use this worksheet to record recurring non-labor expenses to be input into the						
5	Calculator calculations.						
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
7	3. Input data, by Cost Element, leaving no blank lines. On next row						
8	after last line of data, type END in Cost Element Column.						
9	4. All data on this form should be cell-referenced to study workpapers.						
10	5. Do NOT change columns, headings, sheet name.						
11							
12							
13							
14							
15							
16							
17	State	Cost	Recurring	Recurring			
18	TN	Element #	Expense Description	Volume	Volume		
19	TN	E 4.5	(Limited to 25 characters)	Sensitive	Insensitive		
20	TN	E 4.5	Other Database Cost per Query	\$ Amount	\$ Amount		
21		E 4.5	SMS Expense per Query	\$0.00074323	\$0.000002298		
22		END	Intangible Assets - Network RTU	\$0.000008110			
23							
24							
25							
26							
27							
28							
29	Maximum 10 entries per Cost Element #						
30							

001603

A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA						
2	Instructions: 1. Use this worksheet to record nonrecurring non-labor expenses to be input into the Calculator calculations. 2. All amounts shown are per unit (e.g., per call, per loop, per MOU). 3. Input data, by Cost Element, leaving no blank lines. On next row after last line of data, type END in Cost Element Column. 4. All data on this form should be cell-referenced to study workpapers. 5. Do NOT change columns, headings, sheet name. 6. Use column D when cost element has a single nonrecurring cost; use columns E & F for elements with a first and additional nonrecurring cost; use columns G & H for elements with an initial and subsequent nonrecurring cost.						
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16	State	Cost	Nonrecurring	Nonrecurring	Nonrecurring	Nonrecurring	Nonrecurring
17	TN	Element #	Expense Description	First	Additional	Initial	Subsequent
18			(Limited to 25 characters)	\$ Amount	\$ Amount	\$ Amount	\$ Amount
19		END					
20							
21							
22							
23							
24							
25							
26							
27							
28			Maximum 10 entries per Cost Element #				
29							
30							

001604

	A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA							
2								
3	Instructions:							
4	1. Use this worksheet to record recurring expensed labor times to be input into the							
5	Calculator calculations.							
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).							
7	3. Input data, by Cost Element, leaving no blank lines. On next row							
8	after last line of data, type END in Cost Element Column.							
9	4. All data on this form should be cell-referenced to study workpapers.							
10	5. Do NOT change columns, headings, sheet name.							
11								
12								
13								
14								
15	State	Cost	Labor Expense Description	JFC/	Volume	Volume		
16	TN	E.4.5	Administrative Cost per Query	Payband	Sensitive	Insensitive		
17	TN	E.4.5	Administrative Cost per Query	JG58		0.00000005		
18	TN	E.4.5	Administrative Cost per Query	WS16		0.00000007		
19	TN	E.4.5	Administrative Cost per Query	432X		0.00000006		
20	TN	E.4.5	SMS R&D per Query	JG61		0.00000001		
21	TN	E.4.5	SMS R&D per Query	JG60		0.00000006		
22	TN	E.4.5	SMS R&D per Query	JG59		0.00000003		
23		END	SMS R&D per Query	JG58		0.00000002		
24								
25								
26								
27	Maximum 20 entries per Cost Element #							
28								

001605

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
1	CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES														
2	Instructions:														
3	1. Use this worksheet to record nonrecurring labor times to be input into the Calculator calculations.														
4	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).														
5	3. Input data, by Cost Element, leaving no blank lines. On next row														
6	after last line of data, type END in Cost Element Column.														
7	4. All data on this form should be cell-referenced to study workpapers.														
8	5. Do NOT change columns, headings, sheet name.														
9	6. Use columns F & G when cost element has a single nonrecurring cost; use columns H, I, J, & K for elements with a first														
10	and additional nonrecurring cost; use columns L, M, N & O for elements with an initial and subsequent nonrecurring cost.														
11	7. Input Cost Element Life (in months) on first row of data for each cost element. It is not necessary to repeat on each line.														
12															
13															
14															
15	Study Mid-Point Date (Mos.) 6/1/2001														
16															
17															
18															
19															
20	State	Cost Element #	Cost Element Life (Mo)	Labor Expense Description (Limited to 25 characters)	JFC/ Payband	(For use w/ one NR) Installation Time (Hours)	Disconnect Time (Hours)	First Installation Time (Hours)	First Disconnect Time (Hours)	Additional Installation Time (Hours)	Additional Disconnect Time (Hours)	Initial Installation Time (Hours)	Initial Disconnect Time (Hours)	Subsequent Installation Time (Hours)	Subsequent Disconnect Time (Hours)
21	TN	E.4.1	60	Service Establishment	JG58							0.9167	0.6875		
22	TN	E.4.199	60	Service Establishment - Disconnect	JG58							0.9167	0.6875		
23	TN	E.4.2	60	Service Establishment	JG58							38.4	8.5	28.4	6.25
24	TN	E.4.299	60	Service Establishment - Disconnect	JG58							13	8.5	9.5	6.25
25	TN	E.4.3	60	Connect & Test - DB	432X							0.5	0.375		
26	TN	E.4.399	60	Connect & Test - DB - Disconnect	432X										
27	TN	E.4.4	60	Connect & Test - NDB	432X										
28	TN	E.4.499	60	Connect & Test - NDB - Disconnect	432X										
29	TN	E.4.4	60	Connect & Test - NDB	WS16										
30	TN	E.4.499	60	Connect & Test - NDB - Disconnect	WS16										
31	END														
32															
33	Maximum of 25 entries per Cost Element #														
34															

001606

	A	B	C	D	E
1	Tennessee				
2	Input - Labor				
3	Study Period: 01/2000-12/2002				
4					
5					
6	Item/Description	JFC / JG / WS	Source	Connect	Disconnect
7	DATABASE AND NON DATABASE - LARGE OR SMALL (HOURS)				
8					
9					
10					
11					
12	<i>Implementation Work (per Initial Order):</i>				
13	Up-Front Coordination Activities & SMS Support	JG58	Network Planning & Support	0.667	0.500
14					
15	CNARG Update	JG58	Network Planning & Support	0.250	0.188
16					
17	DATABASE OWNERS - Provisioning				
18	Small Networks (Hours):				
19	Up-Front Coordination Activities - Initial	432X	Network Planning & Support	7	3
20	- Subsequent	432X	Network Planning & Support	1.750	0.750
21	<i>Initial and Subsequent:</i>				
22	Establishment of Initial Point Code(s) (STP Hosting Customer SCPs)	432X	Network Planning & Support	1	See Ln55-61
23	Establishment of Point Code(s) (GSTP Hosting CNAM SCPs)	432X	Network Planning & Support	7	See Ln55-61
24					
25	Global Title Additions/Changes	432X	Network Planning & Support	1.500	See Ln55-61
26	Gateway Screening to Allow Queries	432X	Network Planning & Support	1	See Ln55-61
27					
28	Large Networks (Hours):				
29	Up-Front Coordination Activities - Initial	432X	Network Planning & Support	30	3
30	- Subsequent	432X	Network Planning & Support	1.000	0.750
31	<i>Initial and Subsequent:</i>				
32	Establishment of Initial Point Code(s) (GSTP) Including Gateway Screening	432X	Network Planning & Support	24	See Ln55-61
33	Establishment of Routing (STPs hosting CNAM SCPs)	432X	Network Planning & Support	28	See Ln55-61
34					
35	Global Title Additions/Changes	432X	Network Planning & Support	40	See Ln55-61
36					
37	Distribution of Networks:				
38	Small Networks		Network Planning & Support	80%	
39	Large Networks		Network Planning & Support	20%	
40					
41	NON DATABASE OWNERS - Provisioning				
42	Routing Names in Another Provider's Database (Hours):				
43	Up-Front Coordination Activities - Initial	432X	Network Planning & Support	5	3
44	- Subsequent	432X	Network Planning & Support	1.500	0.750
45	<i>Initial and Subsequent:</i>				
46	Establishment of Initial Point Code(s) (GSTP hosting the customers).	432X	Network Planning & Support	2	See Ln55-61
47	Establishment of Point Code(s) (STPs hosting CNAM SCPs)	432X	Network Planning & Support	2	See Ln55-61
48					
49	Global Title Additions/Changes (Changes made at Gateway STPs)	432X	Network Planning & Support	3	See Ln55-61
50	Gateway Screening to Allow Queries (GSTP) to Allow Response Messages	432X	Network Planning & Support	1	See Ln55-61
51	RSAG Setup in SMS/per OCN - Initial	WS16		0.500	See Ln55-61
52					
53					
54	DATABASE & NON DATABASE OWNERS - Disconnect				
55	<i>Initial and Subsequent:</i>				

001607

	A	B	C	D	E
1	Tennessee				
2	Input - Labor				
3	Study Period: 01/2000-12/2002				
4					
5					
6	Item/Description	JFC / JG / WS	Source	Connect	Disconnect
56	Screening and routing changes in associated BST STPs to Allow Queries to the new provider	432X	Network Planning & Support		1
57	Global Title Changes	432X	Network Planning & Support		1.500
58	Gateway Screening to Allow Queries and Responses from the New Provider for the Customer (Gateway STPs w/ Connection to New Provider)	432X	Network Planning & Support		1
59					
60	Cutover and troubleshooting	432X	Network Planning & Support		2
61	RSAG Setup in SMS/per OCN - Initial	WS16	Network Planning & Support		0.375
62					
63	TROUBLE HANDLING/CUSTOMER INSTRUCTION (HOURS):			HOURS/YR	
64	Implementation Manager	JG58	Network Planning & Support		
65	RSAG Setup in SMS/per OCN - Initial	WS16	Network Planning & Support		
66	SMS Support	JG58	Network Planning & Support		
67	INSAC	432X	Network Planning & Support		
68	CNARG Administration	JG58	Network Planning & Support		
69	Global Title Changes/Additions	432X	Network Planning & Support		
70					
71	Service Life (Months)		Marketing		60
72	Number of Years to Recover R&D		Product Team		3
73	SMS R&D - S&T for CNAM		Science & Technology		HOURS
74	Research Director	JG61			
75	Senior Member of Technical Staff	JG60			
76	Member of Technical Staff	JG59			
77	Associate Member of Technical Staff	JG58			

001608

	A	B	C	D	E
1	Tennessee				
2	Input Sheet				
3	Study Period: 01/2000-12/2002				
4					
5					
6	Item/Description				
7	Description	FRC	SubFRC	Source	Amount
8	Query Information				
9	Queries to BellSouth Databases			Network Planning & Support	
10	Queries to Other Databases			Network Planning & Support	95.40%
11	Cost Per Query to Other Databases			Network Planning & Support	4.60%
12					\$0.01616
13	STP-SCP Links and Mileage:				
14	Number of SCP Pairs:			Network Planning & Support	
15					6
16	Gateway 1 (ATLNGATH/ATLNGAWD)				
17	Number of Miles			Network Planning & Support	
18	Number of Interoffice Circuits			Network Planning & Support	
19					
20	Gateway 2 (BRHMALMA/BRHMALVA)				
21	Number of Miles			Network Planning & Support	
22	Number of Interoffice Circuits			Network Planning & Support	
23					
24	Gateway 3 (GNVLSCDT/GNVLSCWR)				
25	Number of Miles			Network Planning & Support	
26	Number of Interoffice Circuits			Network Planning & Support	
27					
28	Gateway 4 (JCVLFLCL/JCVLFLSM)				
29	Number of Miles			Network Planning & Support	
30	Number of Interoffice Circuits			Network Planning & Support	
31					
32	Gateway 5 (NSVLTHDO/NSVLTNMT)				
33	Number of Miles			Network Planning & Support	
34	Number of Interoffice Circuits			Network Planning & Support	
35					
36	Gateway 6 (WPBHFLGR/WPBHFLHH)				
37	Number of Miles			Network Planning & Support	
38	Number of Interoffice Circuits			Network Planning & Support	
39					
40	Totals - all Gateways				
41	Number of Miles			Ln17+Ln21+Ln25+Ln29+Ln33+Ln37	
42	Number of Interoffice Circuits			Ln18+Ln22+Ln26+Ln30+Ln34+Ln38	
43					
44	SCP Material Prices (per Pair):	377C	03	Network Planning & Support	
45					
46	Portion of SCP Capacity Utilized by CNAM :				
47	Year 1			Network Planning & Support	
48	Year 2			Network Planning & Support	
49	Year 3			Network Planning & Support	
50	Average CNAM Utilization of SCP			(Ln47+Ln48+Ln49)/3	
51					
52	Portion of AIN SCP Link Traffic that is CNAM Traffic			Network Planning & Support	
53					

001609

	A	B	C	D	E
1	Tennessee				
2	Input Sheet				
3	Study Period: 01/2000-12/2002				
4					
5					
6	Item/Description				
7	Description	FRC	SubFRC	Source	Amount
54	Number of SCP Queries (per Year):				
55	Year 1			Network Planning & Support	
56	Year 2			Network Planning & Support	
57	Year 3			Network Planning & Support	
58	Average Number of Queries per Year			(Ln55+Ln56+Ln57)/3	
59					
60					
61	SCP RTU Fees per Pair			Network Planning & Support	
62					
63	Signal Transfer Point Investment per Initial Port				
64	Volume Sensitive	377C	03	SS7 Fundamental Study	
65					
66	Signal Transfer Point RTU Fee per Initial Port				
67	Volume Sensitive			SS7 Fundamental Study	
68					
69	DS0 Interoffice Investments:			Unbundled Interoffice Transport-Dedicated Study	
70	<i>Facilities Terminations per Termination</i>				
71	Circuit Equipment - Other	357C	03		\$177.027
72	Circuit Equipment - Other	357C	06		\$169.352
73	Circuit Equipment - Other	357C	09		\$192.852
74	Circuit Equipment - Other	357C	15		\$0.804
75					
76	<i>Facilities Investments per Airline Mile</i>				
77	Aerial Cable	822C	00		\$0.079
78	Buried Cable	845C	00		\$0.099
79	Underground Cable	85C	00		\$0.144
80					
81	Service Management System - CNAM			SMS Computer Study	
82	SMS Computer Equipment	530C	00		
83	SMS Computer Equipment	630C	00		
84	SMS Annual Computer Expenses				
85	SMS Computer RTU	460C	00		
86					
87					
88	TPI Factors:				
89	377C - 1977 to 1999	Finance - Cost Matters			0.9702
90	357C - 1996 to 1998	Finance - Cost Matters			0.9678
91	822C - 1996 to 1999	Finance - Cost Matters			1.0488
92	845C - 1996 to 1999	Finance - Cost Matters			1.0985
93	85C - 1996 to 1999	Finance - Cost Matters			1.0014
94					
95					
96	Annuity Factor Inputs:				
97	Discount Rate - Cost of Money	Study Assumption			0.0993
98	Amortization Term Years	Study Assumption			5

001610

	A	B	C	D
1	Tennessee			
2	Administrative Cost per Query			
3	Study Period: 01/2000-12/2002			
4				
5	Element #: E.4.5			
6	Item/Description	JFC / JG / WS	Source	Amount
7	Implementation Manager	JG58	INPUT- Labor Ln64	
8	RSAG Setup in SMS/per OCN - Initial	WS16	INPUT- Labor Ln65	
9	SMS Support	JG58	INPUT- Labor Ln66	
10	INSAC	432X	INPUT- Labor Ln67	
11	CNARG Administration	JG58	INPUT- Labor Ln68	
12	Global Title Changes/Additions	432X	INPUT- Labor Ln69	
13				
14				
15				
16				
17	Summary of Hours by Payband	JG58	Ln7+Ln9+Ln11	
18		WS16	Ln8	
19		432X	Ln10+Ln12	
20				
21				
22	Average SCP Queries per Year		INPUT_CNAM Ln58	
23				
24	Number of Hours per Query by Payband	JG58	Ln17/Ln22	0.0000000530
25		WS16	Ln18/Ln22	0.0000000697
26		432X	Ln19/Ln22	0.0000000648
27				
28				
29				
30	Number of Years to Recover R&D		INPUT- Labor, Ln72	3
31				
32	SMS R&D - S&T for CNAM			
33	Research Director	JG61	INPUT- Labor LN74	
34	Senior Member of Technical Staff	JG60	INPUT- Labor LN75	
35	Member of Technical Staff	JG59	INPUT- Labor LN76	
36	Associate Member of Technical Staff	JG58	INPUT- Labor LN77	
37				
38	SMS R&D per Query			
39	Research Director	JG61	LN33/LN22/Ln30	0.0000000108
40	Senior Member of Technical Staff	JG60	LN34/LN22/Ln30	0.0000000618
41	Member of Technical Staff	JG59	LN35/LN22/Ln30	0.0000000323
42	Associate Member of Technical Staff	JG58	LN36/LN22/Ln30	0.0000000242
43				
44	E.4.5 - CNAM for database and non-database owners, per query			
45				
46	Element Number:	E.4.5		

001611

	A	B	C	D	E	F
1	Tennessee					
2	Nonrecurring Cost Development					
3	Study Period: 01/2000-12/2002					
4						
5						
6	Item/Description					
7	Description	JFC / JG / WS	Source	Install	Disconnect	Element Number(s)
8	Service Establishment - Database & Non-database Owners					E.4.1 & E.4.2
9						
10						
11						
12						
13	Implementation Work (per Initial Order):					
14	Up-Front Coordination Activities & SMS Support	JG58	INPUT- Labor Ln13	0.667	0.500	
15						
16	CNARG Update	JG58	INPUT- Labor Ln15	0.250	0.188	
17						
18	Total JG58		Ln14+Ln16	0.917	0.688	
19						
20	Service Provisioning with Point Codes					E.4.3 & E.4.4
21	DATABASE OWNERS - Provisioning					
22	Small Networks (Hours):					
23	Up-Front Coordination Activities - Initial	432X	INPUT- Labor Ln19	7	3	
24	- Subsequent	432X	INPUT- Labor Ln20	1.750	0.750	
25	Initial and Subsequent:					
26	Establishment of Initial Point Code(s) (STP Hosting Customer SCPs)	432X	INPUT- Labor Ln22	1		
27	Establishment of Point Code(s) (GSTP Hosting CNAM SCPs)	432X	INPUT- Labor Ln23	7		
28						
29	Global Title Additions/Changes	432X	INPUT- Labor Ln25	1.500		
30	Gateway Screening to Allow Queries	432X	INPUT- Labor Ln26	1		
31						
32	Large Networks (Hours):					
33	Up-Front Coordination Activities - Initial	432X	INPUT- Labor Ln29	30	3	
34	- Subsequent	432X	INPUT- Labor Ln30	1.000	0.750	
35	Initial and Subsequent:					
36	Establishment of Initial Point Code(s) (GSTP) Including Gateway Screening	432X	INPUT- Labor Ln32	24		
37	Establishment of Routing (STPs hosting CNAM SCPs)	432X	INPUT- Labor Ln33	28		
38						
39	Global Title Additions/Changes	432X	INPUT- Labor Ln35	40		
40						
41	Distribution of Networks:					
42	Small Networks		INPUT- Labor Ln38	80%		
43	Large Networks		INPUT- Labor Ln39	20%		
44						
45	Database Owners - Merged Large and Small Networks					
46	Up-Front Coordination Activities - Initial		(Ln42*Ln23)+(Ln43*Ln33)	11.600	3	
47	- Subsequent		(Ln42*Ln24)+(Ln43*Ln34)	1.600	0.750	
48	Initial and Subsequent:					
49	Establishment of Initial Point Code(s) (STP Hosting Customer SCPs)		(Ln42*Ln26)+(Ln43*Ln36)	5.600		
50	Establishment of Point Code(s) (GSTP Hosting CNAM SCPs)		(Ln42*Ln27)+(Ln43*Ln37)	11.200		
51						
52						
53	Global Title Additions/Changes		(Ln42*Ln29)+(Ln43*Ln39)	9.200		
54	Gateway Screening to Allow Queries		Ln42*Ln30	0.800		
55						
56	Total Worktimes					
57	Initial	432X	SUM(Ln49:Ln54)+Ln46	38	3	E.4.3
58	Subsequent	432X	SUM(Ln49:Ln54)+Ln47	28.400	0.750	E.4.3
59						
60						
61						
62	NON DATABASE OWNERS - Provisioning					
63	Up-Front Coordination Activities - Initial	432X	INPUT- Labor Ln43	5	3	
64	- Subsequent	432X	INPUT- Labor Ln44	1.500	0.750	
65	Initial and Subsequent:					
66	Establishment of Initial Point Code(s) (GSTP hosting the customers)	432X	INPUT- Labor Ln46	2		
67	Establishment of Point Code(s) (STPs hosting CNAM SCPs)	432X	INPUT- Labor Ln47	2		
68						
69	Global Title Additions/Changes (Changes made at Gateway STPs)	432X	INPUT- Labor Ln49	3		
70	Gateway Screening to Allow Queries (GSTP) to Allow Response Messages	432X	INPUT- Labor Ln50	1		
71	RSAG Setup in SMS/per OCN - Initial	WS16	INPUT- Labor Ln51	0.500		
72						
73	Total Worktimes					
74	Initial	432X	Ln63+SUM(Ln66:Ln70)	13.000		E.4.4
75	Subsequent	432X	Ln64+SUM(Ln66:Ln70)	9.500		E.4.4
76						
77	Initial	WS16	Ln71	0.500		E.4.4
78						
79	Disconnect Worktime					
80	Initial and Subsequent:					

001612

	A	B	C	D	E	F
1	Tennessee					
2	Nonrecurring Cost Development					
3	Study Period: 01/2000-12/2002					
4						
5						
6	Item/Description					
7	Description	JFC / JG / WS	Source	Install	Disconnect	Element Number(s)
	Screening and routing changes in associated BST STPs to Allow					
81	Queries to the new provider	432X	INPUT- Labor Ln56		1	
82	Global Title Changes	432X	INPUT- Labor Ln57		1.500	
	Gateway Screening to Allow Queries and Responses from the New					
	Provider for the Customer (Gateway STPs w/ Connection to New					
83	Provider	432X	INPUT- Labor Ln58		1	
84						
85	Cutover and troubleshooting	432X	INPUT- Labor Ln60		2	
86	RSAG Setup in SMS/per OCN - Initial	WS16	INPUT- Labor Ln61		0.375	
87						
88	Total Worktimes					
89	Initial	432X	SUM(Ln81:Ln85)+Ln57		8.500	E 4.3 & E 4.4
90	Subsequent	432X	SUM(Ln81:Ln85)+Ln58		6.250	E 4.3 & E 4.4
91						
92	Initial	WS16	Ln86		0.375	E 4.3 & E 4.4
93						
94						
95	E 4.1 - CNAM for database owners - Service Establishment					
96	E 4.2 - CNAM for non-database owners - Service Establishment					
97	E 4.3 - CNAM for database owners - Service Provisioning with Point Code Establishment					
98	E 4.4 - CNAM for non-database owners - Service Provisioning with Point Code Establishment					

001613

	A	B	C	D	E
1	Tennessee				
2	Investment Calculations				
3	Study Period: 01/2000-12/2002				
4					
5	Element #: E.4.5				Tennessee
6	Item/Description				
7	Description	FRC	SubFRC	Source	Amount
8	STP-SCP Links and Mileage:				
9	Total All Gateways				
10	Number of Miles			INPUT_CNAM Ln41	
11	Number of Interoffice Circuits			INPUT_CNAM Ln42	
12					
13	Portion of AIN SCP Link Traffic that is CNAM Traffic			INPUT_CNAM Ln52	
14					
15	TPI Factors:				
16	377C - 1977 to 1999			INPUT_CNAM Ln89	0.9702
17	357C - 1996 to 1998			INPUT_CNAM Ln90	0.9678
18	822C - 1996 to 1999			INPUT_CNAM Ln91	1.0488
19	845C - 1996 to 1999			INPUT_CNAM Ln92	1.0985
20	85C - 1996 to 1999			INPUT_CNAM Ln93	1.0014
21					
22					
23					
24					
25					
26	DS0 Interoffice Investments:				
27	<i>Facilities Terminations per Termination</i>				
28	Circuit Equipment - Other	357C	03	INPUT_CNAM Ln71	\$177.027
29	Circuit Equipment - Other	357C	06	INPUT_CNAM Ln72	\$169.352
30	Circuit Equipment - Other	357C	09	INPUT_CNAM Ln73	\$192.852
31	Circuit Equipment - Other	357C	15	INPUT_CNAM Ln74	\$0.804
32					
33	<i>Facilities Investments per Airline Mile</i>				
34	Aerial Cable	822C	00	INPUT_CNAM Ln77	\$0.079
35	Buried Cable	845C	00	INPUT_CNAM Ln78	\$0.099
36	Underground Cable	85C	00	INPUT_CNAM Ln79	\$0.144
37					
38	Total DS0 Interoffice Transport Investments:				
39	<i>Facilities Terminations per Termination</i>				
40	Circuit Equipment - Other	357C	03	(LN28*LN17)*Ln11*Ln13	
41	Circuit Equipment - Other	357C	06	(LN29*LN17)*Ln11*Ln13	
42	Circuit Equipment - Other	357C	09	(LN30*LN17)*Ln11*Ln13	
43	Circuit Equipment - Other	357C	15	(LN31*LN17)*Ln11*Ln13	
44					
45	<i>Facilities Investments per Airline Mile</i>				
46	Aerial Cable	822C	00	(LN34*LN18)*Ln10*Ln13	
47	Buried Cable	845C	00	(LN35*LN19)*Ln10*Ln13	
48	Underground Cable	85C	00	(LN36*LN20)*Ln10*Ln13	
49					
50	Average Number of SCP Queries per Year			INPUT_CNAM Ln58	
51					
52	Investment per Query				
53	<i>Facilities Terminations per Termination</i>				
54	Circuit Equipment - Other	357C	03	Ln40/Ln50	\$0.000001835
55	Circuit Equipment - Other	357C	06	Ln41/Ln50	\$0.000001755
56	Circuit Equipment - Other	357C	09	Ln42/Ln50	\$0.000001999
57	Circuit Equipment - Other	357C	15	Ln43/Ln50	\$0.000000008
58					
59	<i>Facilities Investments per Airline Mile</i>				
60	Aerial Cable	822C	00	Ln46/Ln50	\$0.000000010
61	Buried Cable	845C	00	Ln47/Ln50	\$0.000000013

001614

	A	B	C	D	E
1	Tennessee				
2	Investment Calculations				
3	Study Period: 01/2000-12/2002				
4					
5	Element #: E.4.5				Tennessee
6	Item/Description				
7	Description	FRC	SubFRC	Source	Amount
62	Underground Cable	85C	00	Ln48/Ln50	\$0.000000017
63					
64	Signal Transfer Point (STP) Investment per Query				
65	Signal Transfer Point Investment per Initial Port	377C	03	INPUT_CNAM Ln64	
66	Total Number of Interoffice Circuits			Ln11	
67	Total STP Material Price			Ln65*Ln66	\$1,951,104
68	STP Material Price per Query	377C	03	Ln67/Ln50	\$0.000068016
69					
70	STP RTU Expense per Initial Port			INPUT_CNAM Ln67	
71	Total Number of Interoffice Circuits			Ln11	
72	Total STP RTU			Ln70*Ln16*Ln71	
73	Discount Rate - Cost of Money			INPUT_CNAM Ln97	0.0993
74	Amortization Term Years			INPUT_CNAM Ln98	5
75	Annuity Factor			$((LN73*(1+LN73)^{LN74}))/((1+LN73)^{LN74-1}))$	0.2633
76	STP RTU Expense per per Query	ADD		Ln72*Ln75/Ln50	\$0.000000054
77	Note: All queries are routed through the STP before going to the SCP.				
78					
79	Signal Control Point (SCP) Investment per Query				
80	SCP Material Price per Pair	377C	03	INPUT_CNAM Ln44	
81	Number of SCP Pairs			INPUT_CNAM Ln14	6
82	Average CNAM Utilization of SCP Pairs			INPUT_CNAM Ln50	31%
83	SCP Material Price per Query	377C	03	Ln80*Ln81*Ln82/Ln50	\$0.000164462
84	Percent Queries to BST Databases			INPUT_CNAM Ln9	95.40%
85	SCP Material Price per Query - BST DB	377C	03	Ln83*Ln84	\$0.000156897
86					
87	SCP RTU Fee per Pair			INPUT_CNAM Ln61	
88	Number of SCP Pairs			INPUT_CNAM Ln14	6
89	Average CNAM Utilization of SCP Pairs			INPUT_CNAM Ln50	31%
90	Total RTU Expense			$((LN73*(1+LN73)^{LN74}))/((1+LN73)^{LN74-1}))$	0.2633
91	Annuity Factor			Ln90*Ln91/Ln50	\$0.000084452
92	SCP RTU Expense per Query	ADD		INPUT_CNAM Ln9	95.40%
93	Percent Queries to BST Databases			Ln92*Ln93	\$0.000080567
94	SCP RTU Fee per Query - BST DB	ADD			
95					
96					
97	Summary of Per Query Investments by Account				
98	Circuit Equipment - Other	357C	03	Ln54	\$0.000001835
99	Circuit Equipment - Other	357C	06	Ln55	\$0.000001755
100	Circuit Equipment - Other	357C	09	Ln56	\$0.000001999
101	Circuit Equipment - Other	357C	15	Ln57	\$0.000000008
102	Aerial Cable	822C	00	Ln60	\$0.000000010
103	Buried Cable	845C	00	Ln61	\$0.000000013
104	Underground Cable	85C	00	Ln62	\$0.000000017
105	Digital Switching	377C	03	Ln85+Ln68	\$0.000224913
106	Intangible Assets - Network RTU	ADD		Ln94+Ln76	\$0.000081104
107					
108	Cost of Queries to Other Databases				
109	Cost per Query to Other Databases			INPUT_CNAM Ln11	\$0.016157179
110	Percent of Queries to Other Databases			INPUT_CNAM Ln10	4.6%
111	Other Database Cost per Query	ADD		Ln109*Ln110	\$0.00074323
112					
113	Service Management System - CNAM				

001615

	A	B	C	D	E
1	Tennessee				
2	Investment Calculations				
3	Study Period: 01/2000-12/2002				
4					
5	Element #: E.4.5				Tennessee
6	Item/Description				
7	Description	FRC	SubFRC	Source	Amount
114	SMS Computer Equipment	530C	00	INPUT_CNAM LN82	
115	SMS Computer Equipment	630C	00	INPUT_CNAM LN83	
116	SMS Computer RTU	460C	00	INPUT_CNAM LN85	
117	SMS Annual Computer Expenses			INPUT_CNAM LN84	
118					
119	SMS Investment per Query				
120	SMS Computer Equipment	530C	00	LN114/LN50	\$0.000007226
121	SMS Computer Equipment	630C	00	LN115/LN50	\$0.000006501
122	SMS Computer RTU	460C	00	LN116/LN50	\$0.000007521
123					
124	SMS Expense per Query	ADD		LN117/LN50	\$0.000002298
125					
126					
127	Element Number:	E.4.5			
128					
129	E.4.5 - CNAM for Database Owners and Non-database owners, per Query				

001616

	A	B	C	D	E	F	G
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14	State	Cost	FRC	Sub	Volume	Volume	
15	TN	E.6.1	377C	03	Sensitive	Insensitive	
16	TN	E.6.1	357C	03	\$ Amount	\$ Amount	
17	TN	E.6.1	357C	06	\$0.00000092		
18	TN	E.6.1	357C	09	\$0.00000140		
19	TN	E.6.1	357C	15	\$0.00000000		
20	TN	E.6.1	822C	00	\$0.00000001		
21	TN	E.6.1	845C	00	\$0.00000001		
22	TN	E.6.1	85C	00	\$0.00000002		
23	TN	E.6.1	560C	00	\$0.00024980		
24	TN	E.6.1	530C	00		\$0.00001547	
25	TN	E.6.1	630C	00		\$0.00001392	
26	TN	E.6.1	460C	00		\$0.00001610	
27		END					

001617

A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - RECURRING EXPENSES DATA						
2	Instructions:						
3	1. Use this worksheet to record recurring non-labor expenses to be input into the Calculator calculations.						
4	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
5	3. Input data, by Cost Element, leaving no blank lines. On next row after last line of data, type END in Cost Element Column.						
6	4. All data on this form should be cell-referenced to study workpapers.						
7	5. Do NOT change columns, headings, sheet name.						
8							
9							
10							
11							
12							
13							
14							
15							
16							
17	State	Cost	Recurring	Recurring			
18	Element #	Expense Description	Volume	Volume			
19		(Limited to 25 characters)	Sensitive	Insensitive			
20			\$ Amount	\$ Amount			
21	TN	E.6.1	SCP, 3rd Party & Limit Liab Exp / Que	\$0.00053758			
22	TN	E.6.1	SMS Expenses per Query	\$0.00000492			
23		END					
24							
25							
26							
27							
28							
29							
30							

Maximum 10 entries per Cost Element #

001618

A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA						
2							
3	Instructions:						
4	1. Use this worksheet to record nonrecurring non-labor expenses to be input into the Calculator calculations.						
5	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
6	3. Input data, by Cost Element, leaving no blank lines. On next row						
7	after last line of data, type END in Cost Element Column.						
8	4. All data on this form should be cell-referenced to study workpapers.						
9	5. Do NOT change columns, headings, sheet name.						
10	6. Use column D when cost element has a single nonrecurring cost; use columns E & F for elements with a first						
11	and additional nonrecurring cost; use columns G & H for elements with an initial and subsequent nonrecurring cost.						
12							
13							
14							
15	Cost	Nonrecurring	Nonrecurring	Nonrecurring	Nonrecurring	Nonrecurring	Nonrecurring
16	State	Expense Description	\$ Amount	First	Additional	Initial	Subsequent
17	Element #	(Limited to 25 characters)	\$ Amount	\$ Amount	\$ Amount	\$ Amount	\$ Amount
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Maximum 10 entries per Cost Element #

001619

A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA						
2							
3	Instructions:						
4	1. Use this worksheet to record recurring expensed labor times to be input into the						
5	Calculator calculations.						
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
7	3. Input data, by Cost Element, leaving no blank lines. On next row						
8	after last line of data, type END in Cost Element Column.						
9	4. All data on this form should be cell-referenced to study workpapers.						
10	5. Do NOT change columns, headings, sheet name.						
11							
12							
13							
14							
15	State	Cost	Labor Expense Description	JFC/	Work Time (Hours)		
16	TN	E.6.1	(Limited to 25 characters)	Payband	Volume Sensitive	Volume Insensitive	
17	TN	E.6.1	Labor per Query - Admin	JG58		0.000000003	
18	TN	E.6.1	Labor per Query - Admin	432X		0.000000010	
19	TN	E.6.1	SMS R&D Per Query	JG61		0.000000002	
20	TN	E.6.1	SMS R&D Per Query	JG60		0.000000013	
21	TN	E.6.1	SMS R&D Per Query	JG59		0.000000007	
22	TN	E.6.1	SMS R&D Per Query	JG58		0.000000005	
23		END					
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							

001620

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES													
2	Instructions:													
3	1. Use this worksheet to record nonrecurring labor times to be input into the Calculator calculations.													
4	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).													
5	3. Input data, by Cost Element, leaving no blank lines. On next row													
6	after last line of data, type END in Cost Element Column.													
7	4. All data on this form should be call-referenced to study workpapers.													
8	5. Do NOT change columns, headings, sheet name.													
9	6. Use columns F & G when cost element has a single nonrecurring cost; use columns H, I, J, & K for elements with a first													
10	and additional nonrecurring cost; use columns L, M, N & O for elements with an initial and subsequent nonrecurring cost.													
11	7. Input Cost Element Life (in months) on first row of data for each cost element. It is not necessary to repeat on each line.													
12														
13														
14														
15	Study Mid-Point Date (Mos.) 6/1/2001													
16														
17														
18														
19														
20	State	Cost	Cost	Labor Expense Description	JFC/	(For use w/ one NR)	First	First	Additional	Additional	Initial	Initial	Subsequent	Subsequent
21	TN	E 6.2	Life (Mo)	(Limited to 25 characters)	Payband	Installation	Installation	Installation	Installation	Disconnect	Disconnect	Disconnect	Installation	Disconnect
22	TN	E 6.299	60	Service Establishment - Disconnect	JG58	Time	Time	Time	Time	Time	Time	Time	Time	Time
23	TN	E 6.3	60	Service Establishment w/ Point Codes	JG58	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours
24	TN	E 6.399	60	Service Establishment w/Point Codes-Disconnect	432X									
25	END													
26														
27														
28														
29														
30														
31														
32														
33														
34														
35														
36														
37														
38														
39														
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41														
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43														
44														
45														
46														
47														

001621

	A	B	C	D	E
1	Tennessee				
2	Input - Labor				
3	Study Period: 01/2000-12/2002				
4					
5					
6	Item/Description	JFC / JG / WS	Source	Connect(Hrs)	Disconnect (Hrs)
7	Service Establishment (E.6.2)				
8					
9					
10					
11					
12	Implementation Work (per Initial Order):				
13	Up-Front Coordination Activities & SMS Support	JG58	Network Planning & Support	0.5	0.375
14					
15	Service Establishment with Point Codes - Connect (E.6.3)				
16	Routing Names in Another Provider's Database (Hours):				
17	Up-Front Coordination Activities - Initial	432X	Network Planning & Support	15	3
18	- Subsequent	432X	Network Planning & Support	3.75	0.75
19	Initial and Subsequent:				
20	Establishment of Initial Point Code(s) (STP hosting the customers).	432X	Network Planning & Support	2	See Ln28-33
21	Establishment of Point Code(s) (STPs hosting CNAM SCPs)	432X	Network Planning & Support	2	See Ln28-33
22					
23	Global Title Additions/Changes (Changes made at Gateway STPs)	432X	Network Planning & Support	3	See Ln28-33
24	Gateway Screening to Allow Queries (GSTP) to Allow Response Messages	432X	Network Planning & Support	1	See Ln28-33
25					
26					
27	Service Establishment with Point Codes - Disconnect (E.6.3)				
28	Initial and Subsequent:				
29	Screening and routing changes in associated BST STPs to Allow Queries to the new provider	432X	Network Planning & Support		1
30	Global Title Changes	432X	Network Planning & Support		1.5
31	Gateway Screening to Allow Queries and Responses from the New Provider for the Customer (Gateway STPs w/ Connection to New Provider	432X	Network Planning & Support		1
32					
33	Cutover and troubleshooting	432X	Network Planning & Support		2
34					
35	Administrative Costs (E.6.1)				
36	TROUBLE HANDLING/CUSTOMER INSTRUCTION (HOURS):			HOURS/YR	
37	Implementation Manager	JG58	Network Planning & Support	198	
38	INSAC	432X	Network Planning & Support	240	
39	Global Title Changes/Additions	432X	Network Planning & Support	455.400	
40					
41	Service Life (Months)		Product Management	60	
42					
43	SMS R&D - S&T for LNP Query Service		Science & Technology	HOURS	
44	Research Director	JG61		462.72	
45	Senior Member of Technical Staff	JG60		2,660.64	
46	Member of Technical Staff	JG59		1,388.16	
47	Associate Member of Technical Staff	JG58		1,041.12	

001622

	A	B	C	D	E	F
1	Tennessee	TN				
2	Worksheet:	Inputs				
3	Study Period: 01/2000-12/2002	2000-2002				
4						
5						
6	Item/Description					Element
7	Description	FRC	SubFRC	Source	Amount	#
8	CAPITAL					
9	SCP PAIRS	377C	03	LNP Cost Study(Char5bLn243)	\$2,704,078	E.6.1
10	STP-to-SCP Signaling Links:	357C	03	LNP Cost Study(Char5bLn244)	\$8,280	E.6.1
11		357C	06	LNP Cost Study(Char5bLn245)	\$6,151	E.6.1
12		357C	09	LNP Cost Study(Char5bLn246)	\$9,374	E.6.1
13		357C	15	LNP Cost Study(Char5bLn247)	\$28	E.6.1
14		822C	00	LNP Cost Study(Char5bLn248)	\$60	E.6.1
15		845C	00	LNP Cost Study(Char5bLn249)	\$83	E.6.1
16		85C	00	LNP Cost Study(Char5bLn250)	\$135	E.6.1
17						
18						
19	Network Related Intangibles - Software					
20	SCP PAIRS	560C	00	LNP Cost Study(Char5bLn253)	\$1,673,297	E.6.1
21						
22	EXPENSES					
23	SCP Pairs, 3rd Party Administrator and					
24	Limited Liability Corporation			LNP Cost Study(Char5bLn219)	\$3,601,068	E.6.1
25						
26	Number of Queries			LNP Cost Study(Char5bLn131)	6,698,617,204	
27						
28	Number of Years to Recover R&D			Product Team		3
29						
30	Source: BellSouth Local Number Portability (LNP) Cost Study Filed 6-11-99 - Transmittal #510					
31						
32	Service Management System - LNP			SMS Computer Study		
33	SMS Computer Equipment	530C	00		\$103,647	E.6.1
34	SMS Computer Equipment	630C	00		\$93,240	E.6.1
35	SMS Annual Computer Expenses				\$32,958	E.6.1
36	SMS Computer RTU	460C	00		\$107,870	E.6.1

001623

	A	B	C	D	E	F
1	Tennessee	TN				
2	Worksheet:	Development of Investment per Query				
3	Study Period: 01/2000-12/2002	2000-2002				
4						
5						
6	Item/Description					Element
7	Description	FRC	SubFRC	Source	Amount	#
8	CAPITAL					
9	SCP PAIRS	377C	03	INPUTS_LNP L9	\$2,704,078	
10	STP-to-SCP Signaling Links:	357C	03	INPUTS_LNP L10	\$8,280	
11		357C	06	INPUTS_LNP L11	\$6,151	
12		357C	09	INPUTS_LNP L12	\$9,374	
13		357C	15	INPUTS_LNP L13	\$28	
14		822C	00	INPUTS_LNP L14	\$60	
15		845C	00	INPUTS_LNP L15	\$83	
16		85C	00	INPUTS_LNP L16	\$135	
17						
18						
19	Network Related Intangibles - Software					
20	SCP PAIRS	560C	00	INPUTS_LNP L20	\$1,673,297	
21						
22	Number of Queries			INPUTS_LNP L26	6,698,617,204	
23						
24						
25	CAPITAL INVESTMENT PER QUERY					
26	SCP PAIRS	377C	03	Ln9/Ln22	\$0.00040368	E.6.1
27	STP-to-SCP Signaling Links:	357C	03	Ln10/Ln22	\$0.00000124	E.6.1
28		357C	06	Ln11/Ln22	\$0.00000092	E.6.1
29		357C	09	Ln12/Ln22	\$0.00000140	E.6.1
30		357C	15	Ln13/Ln22	\$0.00000000	E.6.1
31		822C	00	Ln14/Ln22	\$0.00000001	E.6.1
32		845C	00	Ln15/Ln22	\$0.00000001	E.6.1
33		85C	00	Ln16/Ln22	\$0.00000002	E.6.1
34						
35						
36	Network Related Intangibles - Software					
37	SCP PAIRS	560C	00	Ln20/Ln22	\$0.00024980	E.6.1
38						
39	Service Management System - LNP					
40	SMS Computer Equipment	530C	00	INPUTS_LNP LN33	\$103,647	E.6.1
41	SMS Computer Equipment	630C	00	INPUTS_LNP LN34	\$93,240	E.6.1
42	SMS Computer RTU	460C	00	INPUTS_LNP LN36	\$107,870	E.6.1
43						
44						
45	SMS Investment Per Query					
46	Number of Queries			Ln22	6,698,617,204	
47	SMS Computer Equipment per Query	530C	00	LN40/LN46	\$0.00001547	E.6.1
48	SMS Computer Equipment per Query	630C	00	LN41/LN46	\$0.00001392	E.6.1
49	SMS Computer RTU per Query	460C	00	LN43/LN46	\$0.00001610	E.6.1

001624

	A	B	C	D
1	Tennessee	TN		
2	Worksheet:	Development of Expense per Query		
3	Study Period: 01/2000-12/2002	2000-2002		
4				
5				Element
6	Item/Description	Source	Amount	#
7	EXPENSES			
8	SCP Pairs, 3rd Party Administrator and			
9	Limited Liability Corporation	INPUTS_LNP L24	\$3,601,068	
10				
11				
12	Number of Queries	INPUTS_LNP L26	6,698,617,204	
13				
14				
15				
16	SCP, 3rd Party & Limt Liab Exp / Query	Ln9/Ln12	\$0.00053758	E.6.1
17				
18				
19	SMS Expense			
20	SMS Annual Computer Expenses	INPUTS_LNP LN35	\$32,958	E.6.1
21	SMS Computer Expenses per Query	LN20/LN12	\$0.00000492	E.6.1

001625

	A	B	C	D
1	Tennessee			
2	Recurring Labor per Query - Administrative Costs			
3	Study Period: 01/2000-12/2002			
4				
5	Element #: E.6.1			
6	Item/Description			
7	Description	JFC / JG / WS	Source	Amount
8	Annual Hours			
9	Implementation Manager	JG58	INPUT- Labor Ln37	198
10	INSAC	432X	INPUT- Labor Ln38	240
11	Global Title Changes/Additions	432X	INPUT- Labor Ln39	455.400
12				
13	Summary by JFC			
14	JG58	JG58	Ln9	198
15	432X	432X	Ln10+Ln11	695.400
16				
17	Number of Queries		INPUTS_LNP Ln26	6,698,617,204
18				
19	Hours per Query, by JFC			
20	JG58	JG58	Ln14/Ln17	0.00000003
21	432X	432X	Ln15/Ln17	0.00000010
22				
23	SMS R&D - S&T for LNP Query Service			
24	Research Director	JG61	INPUT- Labor LN44	462.720
25	Senior Member of Technical Staff	JG60	INPUT- Labor LN45	2660.640
26	Member of Technical Staff	JG59	INPUT- Labor LN46	1388.160
27	Associate Member of Technical Staff	JG58	INPUT- Labor LN47	1041.120
28	Number of Years to Recover R&D		INPUTS_LNP, Ln28	3
29	SMS R&D - S&T for LNP Query Service Per Query			
30	Research Director	JG61	LN24/LN17/Ln28	0.00000002
31	Senior Member of Technical Staff	JG60	LN25/LN17/Ln28	0.00000013
32	Member of Technical Staff	JG59	LN26/LN17/Ln28	0.00000007
33	Associate Member of Technical Staff	JG58	LN27/LN17/Ln28	0.00000005
34				
35				
36	Element Number:	E.6.1		

001626

	A	B	C	D	E
1	Tennessee				
2	Nonrecurring Cost Development				
3	Study Period: 01/2000-12/2002				
4					
5					
6	Item/Description				
7	Description	JFC / JG / WS	Source	Install (Hrs)	Disconnect (Hrs)
8	Service Establishment (E.6.2)				
9					
10					
11					
12					
13	Implementation Work (per Initial Order):				
14	Up-Front Coordination Activities & SMS Support	JG58	INPUT- Labor Ln13	0.5	0.375
15					
16	Service Establishment with Point Codes - Connect (E.6.3)				
17	Routing Names in Another Provider's Database (Hours):				
18	Up-Front Coordination Activities - Initial	432X	INPUT- Labor Ln17	15	3
19	- Subsequent	432X	INPUT- Labor Ln18	3.75	0.75
20	Initial and Subsequent:				
21	Establishment of Initial Point Code(s) (STP hosting the customers).	432X	INPUT- Labor Ln20	2	
22	Establishment of Point Code(s) (STPs hosting CNAM SCPs)	432X	INPUT- Labor Ln21	2	
23					
24	Global Title Additions/Changes (Changes made at Gateway STPs)	432X	INPUT- Labor Ln23	3	
25	Gateway Screening to Allow Queries (GSTP) to Allow Response Messages	432X	INPUT- Labor Ln24	1	
26					
27	Total Hours by JFC				
28	Initial	432X	Ln18+Sum(Ln21:Ln25)	23.0	
29	Susequent	432X	Ln19+Sum(Ln21:Ln25)	11.8	
30					
31	Service Establishment with Point Codes - Disconnect (E.6.3)				
32	Initial and Subsequent:				
33	Screening and routing changes in associated BST STPs to Allow Queries to the new provider	432X	INPUT- Labor Ln29		1
34	Global Title Changes	432X	INPUT- Labor Ln30		1.5
35	Gateway Screening to Allow Queries and Responses from the New Provider for the Customer (Gateway STPs w/ Connection to New Provider	432X	INPUT- Labor Ln31		1
36					
37	Cutover and troubleshooting	432X	INPUT- Labor Ln33		2
38					
39	Total Hours by JFC				
40	Initial	432X	Ln18+Sum(Ln33:Ln37)		8.5
41	Susequent	432X	Ln19+Sum(Ln33:Ln37)		6.3

001627

	A	B	C	D	E	F	G	H	I	J	K
1	Tennessee										
2	Index Sheet										
3	Study Period: 2000-2002										
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
32											

Description:**Sheet Name:**

Unbundled Network Element - Selective Carrier Routing - (SCR)
 CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA
 CALCULATOR INPUT FORM - RECURRING EXPENSES DATA
 CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA
 CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA
 CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES
 Nonrecurring Labor Inputs
 General Investments Study Inputs and Assumptions
 Development of Service Establishment per CLEC
 Development of Service Establishment per End Office
 Development of SMS Support per Query
 Development of CO to STP Investments per Query
 Development of Trunking Costs per Query
 Development of SCP to STP Link Transport Investments per Query
 Development of SCP Investments per Query
 Development of SMS Computer Investment and Expenses
 Investment and Expense Summary

Index
 Investments
 Additives_Recurring
 Additives_Nonrecurring
 Recurring Labor
 Nonrecurring Labor
 INPUT_NRC
 INPUT_REC
 WP20
 WP21
 WP22
 WP30
 WP35
 WP40
 WP50
 WP60
 WP70

001628

A	B	C	D	E	F	G
1	CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA					
2						
3	Instructions:					
4	1. Use this worksheet to record material and/or investments to be input into the					
5	Calculator calculations.					
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).					
7	3. Input data, by Cost Element, leaving no blank lines. On next row					
8	after last line of data, type END in Cost Element Column.					
9	4. All data on this form should be cell-referenced to study workpapers.					
10	5. Do NOT change columns, headings, sheet name.					
11						
12						
13						
14	State	Cost	Sub	Volume	Volume	
15	TN	Element #	FRC	Sensitive	Insensitive	
16	TN	G.11.4	377C	\$ Amount	\$ Amount	
17	TN	G.11.4	357C	\$0.002317659	\$0.000119176	
18	TN	G.11.4	357C	\$0.000011357		
19	TN	G.11.4	357C	\$0.000010864		
20	TN	G.11.4	357C	\$0.000012372		
21	TN	G.11.4	357C	\$0.000000052		
22	TN	G.11.4	822C	\$0.000000318		
23	TN	G.11.4	845C	\$0.000000418		
24	TN	G.11.4	85C	\$0.000000554		
25	TN	G.11.4	530C		\$0.000451088	
26	TN	G.11.4	630C		\$0.000405795	
27	TN	G.11.4	460C		\$0.000469465	
28	END					
29	Maximum 10 entries per Cost Element #					

001629

A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - RECURRING EXPENSES DATA						
2							
3	Instructions:						
4	1. Use this worksheet to record recurring non-labor expenses to be input into the						
5	Calculator calculations.						
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
7	3. Input data, by Cost Element, leaving no blank lines. On next row						
8	after last line of data, type END in Cost Element Column.						
9	4. All data on this form should be cell-referenced to study workpapers.						
10	5. Do NOT change columns, headings, sheet name.						
11							
12							
13							
14							
15							
16							
17	State	Cost	Recurring Expense Description (Limited to 25 characters)	Recurring Volume Sensitive \$ Amount	Recurring Volume Insensitive \$ Amount		
18	TN	G.11.4	SMS Computer Expense / Query	\$0 000132242	\$0 000143438		
19	TN	G.11.4	STPtoSCP, SS7, SCP Exp./Query	\$0.015171679			
20	TN	G.11.4	EO Switching/MOU	\$0.000251416			
21	TN	G.11.4	Tandem Switching/Mou	\$0.000010403			
22	TN	G.11.4	Common Transport/mile/mou	\$0.000433477			
23	TN	G.11.4	Common Transport/Term./mou				
24		END					
25	Maximum 10 entries per Cost Element #						
26							
27							
28							
29							
30							
31							
32							
33							

001630

	A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA							
2	Instructions:							
3	1. Use this worksheet to record nonrecurring non-labor expenses to be input into the Calculator calculations.							
4	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).							
5	3. Input data, by Cost Element, leaving no blank lines. On next row							
6	after last line of data, type END in Cost Element Column.							
7	4. All data on this form should be cell-referenced to study workpapers.							
8	5. Do NOT change columns, headings, sheet name.							
9	6. Use column D when cost element has a single nonrecurring cost; use columns E & F for elements with a first							
10	and additional nonrecurring cost; use columns G & H for elements with an initial and subsequent nonrecurring cost.							
11								
12								
13								
14								
15								
16	<u>State</u>	<u>Cost</u>	<u>Nonrecurring</u>	<u>Nonrecurring</u>	<u>Nonrecurring</u>	<u>Nonrecurring</u>	<u>Nonrecurring</u>	<u>Nonrecurring</u>
17	TN	<u>Element #</u>	<u>Expense Description</u>	<u>\$ Amount</u>	<u>First</u>	<u>Additional</u>	<u>Initial</u>	<u>Subsequent</u>
18		G.11.1	Service Development Cost	\$170,133.33				
19		END						
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

Maximum 10 entries per Cost Element #

001631

	A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA							
2								
3	Instructions:							
4	1. Use this worksheet to record recurring expensed labor times to be input into the							
5	Calculator calculations.							
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).							
7	3. Input data, by Cost Element, leaving no blank lines. On next row							
8	after last line of data, type END in Cost Element Column.							
9	4. All data on this form should be cell-referenced to study workpapers.							
10	5. Do NOT change columns, headings, sheet name.							
11								
12								
13								
14		Cost	Labor Expense Description	JFC/	Volume	Volume		
15	State	Element #	(Limited to 25 characters)	Payband	Sensitive	Insensitive		
16	TN	G.11.4	SMS Support - PCU	JG59		0.00000050		
17	TN	G.11.4	SMS Support - PCU	JG58		0.00000168		
18	TN	G.11.4	SMS Support - S&T	JG61		0.00000067		
19	TN	G.11.4	SMS Support - S&T	JG60		0.00000386		
20	TN	G.11.4	SMS Support - S&T	JG59		0.00000201		
21	TN	G.11.4	SMS Support - S&T	JG58		0.00000151		
22	END							
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								
38								

Maximum 20 entries per Cost Element #

001632

UNBUNDLED NETWORK ELEMENT
SELECTIVE CARRIER ROUTING (SCR)

BellSouth Telecommunications, Inc.

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES														
Instructions: 1. Use this worksheet to record nonrecurring labor times to be input into the Calculator calculations. 2. All amounts shown are per unit (e.g., per call, per loop, per MOU). 3. Input data, by Cost Element, leaving no blank lines. On next row after last line of data, type END in Cost Element Column. 4. All data on this form should be call-referenced to study workpapers. 5. Do NOT change columns, headings, sheet name. 6. Use columns F & G when cost element has a single nonrecurring cost; use columns H, I, J, & K for elements with a first and additional nonrecurring cost; use columns L, M, N & O for elements with an initial and subsequent nonrecurring cost. 7. Input Cost Element Life (in months) on first row of data for each cost element. It is not necessary to repeat on each line.														
Study Mid-Point Date (Mos.) 6/1/2001														
State	Cost Element#	Cost Element Life (Mo)	Labor Expense Description (Limited to 25 characters)	JFC/ Payband	(For use w/ one NR)		First Installation Time (Hours)	First Disconnect Time (Hours)	Additional Installation Time (Hours)	Additional Disconnect Time (Hours)	Initial Installation Time (Hours)	Initial Disconnect Time (Hours)	Subsequent Installation Time (Hours)	Subsequent Disconnect Time (Hours)
21 TN	G.11.1	60	Service Order - LSR	JG58	122.00	57.00								
22 TN	G.11.199	60	Service Order - LSR - Disconnect	JG58	0.25	0.25								
23 TN	G.11.1	60	Service Order - LCSC	230X										
24 TN	G.11.199	60	Service Order - LCSC - Disconnect	230X										
25 TN	G.11.1	60	Connect and Test - Translations CO	4N2X	213.75	213.75								
26 TN	G.11.199	60	Connect & Test - Translations SCP	4N2X	114.00	28.50								
27 TN	G.11.1	60	Connect & Test - Translations SCP-Disconnect	4N2X										
28 TN	G.11.199	60	Service Order - LSR - Install	JG58	0.268									
29 TN	G.11.2	60	Service Order - CCM - Install	34XX	0.500									
30 TN	G.11.2	60	Service Order - LCSC	230X	0.092									
31 TN	G.11.2	60	Service Order - LCSC - Disconnect	230X	6.37									
32 TN	G.11.299	60	Connect and Test - CO Translations	4N2X										
33 TN	G.11.2	60	Connect and Test - CO Translations	4N2X										
34	END													
Maximum of 25 entries per Cost Element #														

001633

	A	B	C	D	E	F
1	Tennessee					
2	Nonrecurring Labor Inputs					
3	Study Period: 2000-2002					
4						
5						
6	Element	Life	Item/Description			Worktime
7	Number	(Months)	Description	Source	JFC / JG / WS	Hours
8	G.11.1	60	Service Establishment per CLEC			
9			Service Order - LSR	Product Team		
10			Install - First Hub		JG58	10
11			Install - Additional Hubs		JG58	2
12			Disconnect - First Hub		JG58	1
13			Disconnect - Additional Hubs		JG58	1
14						
15			Service Order- LCSC	Product Team		
16			Install		230X	0.25
17						
18			Disconnect		230X	0.25
19						
20						
21			Connect and Test - Translations CO	Product Team		
22			Install - First Hub		4N2X	3.75
23			Install - Additional Hubs		4N2X	3.75
24			Disconnect - First Hub		4N2X	3.75
25			Disconnect - Additional Hubs		4N2X	3.75
26						
27			Connect&Test - SCP	Product Team		
28			Install - First Hub		4N2X	2
29			Install - Additional Hubs		4N2X	2
30			Disconnect - First Hub		4N2X	0.5
31			Disconnect - Additional Hubs		4N2X	0.5
32						
33	G.11.2	60	Service Establishment per Office			
34			Service Order - LSR	Product Team		
35			Install - First		JG58	2
36			Install - Additional		JG58	0.25
37			Service Order - CCM	Product Team		
38			Install - First		34XX	0.5
39			Install - Additional		34XX	0.5
40			Service Order - LCSC	Product Team		
41			Install - First		230X	1
42			Install - Additional		230X	0.0833
43			Disconnect - First		230X	0.0833
44			Disconnect - Additional		230X	0.0833
45						
46			Connect and Test - CO Translations	Product Team		
47			Install		4N2X	18.00
48						
49						
50			Connect & Test - Sub Hub Translations	Product Team		
51			Install		4N2X	18.50
52						
53						

001634

	A	B	C	D	E	F
1	Tennessee					
2	Nonrecurring Labor Inputs					
3	Study Period: 2000-2002					
4						
5						
6	Element	Life	Item/Description			Worktime
7	Number	(Months)	Description	Source	JFC / JG / WS	Hours
54						
55						
56						
57						
58						
59						
60						
61						
62	G.11.1		Service Development			Amount
63			Science&Technology Development	Product Team		\$510,400
64						
65	G.11.4		SMS Support - BST - for SCR	Product Commercialization Unit		Annual Hrs
66			Annual Support for SCR		JG59	77.0
67			Annual Support for SCR		JG58	256.8
68						
69	G.11.4		SMS R&D - S&T for SCR	Science &Technology		Hours
70			Research Director		JG61	308.48
71			Senior Member of Technical Staff		JG60	1773.76
72			Member of Technical Staff		JG59	925.44
73			Associate Member of Technical Staff		JG58	694.08

001635

	A	B	C	D	E
1	Tennessee				
2	General Investments Study Inputs and Assumptions				
3	Study Period: 2000-2002				
4					
5					
6	Item/Description				
7	Description	Source	FRC	SubFRC	Amount
8	ACRONYMS				
9	STP - Signal Transfer Point				
10	SCP - Signal control Point				
11	RTU - Right To Use				
12	SSP - Switching Service Point				
13	Annuity Factor Inputs:				
14	Discount Rate - Cost of Money	Input Fundamental Studies			0.0993
15	Amortization Term Years	Study Assumption			5
16					
17	Portion of SCP Capacity Utilized by SCR	Network Planning & Support			
18	Year 1				
19	Year 2				
20	Year 3				
21					
22	STP-SCP Links and Mileage	Network Planning & Support			
23	Gateway 6				
24	Number of Circuit Miles				
25					
26					
27	Number of Interoffice Circuits				
28					
29	Number Of SCP Pairs	Network Planning & Support			1
30					
31	SCP Material Price Per Pair	Network Planning & Support	377C	03	
32					
33					
34					
35					
36	Number of SCP Queries per Year	Network Planning & Support			
37	Year 1				
38	Year 2				
39	Year 3				
40					
41	SCP RTU Fees per Pair	Network Planning & Support	560C	00	
42					
43	SCR Utilization Factor	Finance Cost Matters			
44					
45					
46	Signal Transfer Point Annual Investments / Link	SS7 Fundamental Study			
47	Initial Link Volume Sensitive		377C	03	
48					
49	Signal Transfer Point RTU Fee per Link	SS7 Fundamental Study			
50	Initial Link Volume Insensitive				
51					
52	TPI Factors:				
53	377C - 1977 to 1999	Finance - Cost Matters			0.9702
54	357C - 1996 to 1998	Finance - Cost Matters			0.9678
55	822C - 1996 to 1999	Finance - Cost Matters			1.0488
56	845C - 1996 to 1999	Finance - Cost Matters			1.0985
57	85C - 1996 to 1999	Finance - Cost Matters			1.0014
58					
59	DS0 Interoffice Transport Fundamentals	Interoffice Transport-Dedicated Study			
60	Facilities Annual Investments Terminations / Termination		357C	03	\$177.027
61	Facilities Annual Investments Terminations / Termination		357C	06	\$169.352
62	Facilities Annual Investments Terminations / Termination		357C	09	\$192.852
63	Facilities Annual Investments Terminations / Termination		357C	15	\$0.804
64	Facilities Annual Investments per Airline Mile		822C	00	\$0.079
65	Facilities Annual Investments per Airline Mile		845C	00	\$0.099
66	Facilities Annual Investments per Airline Mile		85C	00	\$0.144
67					
68	End Office Busy Hour Investments				
69					
70	Off-hook Delay Trigger per Query - DMS-100	SCIS/IN Feature 969	377C	03	\$3.93630
71					

001636

	A	B	C	D	E
1	Tennessee				
2	General Investments Study Inputs and Assumptions				
3	Study Period: 2000-2002				
4					
5					
6	Item/Description				
7	Description	Source	FRC	SubFRC	Amount
72	SSP Investment per Octet - DMS-100	SCIS Model Office Output MO17	377C	03	\$0.0121222
73					
74	SS7 Fundamental Investments Per Octet				
75	Investment BH per Octet	SS7 Fundamental Study			
76	STP & IDST - VS		377C	03	\$0.010249697
77	Link Termination - VS		357C	03	\$0.000242491
78	Link Termination - VS		357C	06	\$0.000231977
79	Link Termination - VS		357C	09	\$0.000264168
80	Link Termination - VS		357C	15	\$0.000001102
81	Link Mileages - VS		822C	00	\$0.000006661
82	Link Mileages - VS		845C	00	\$0.000008347
83	Link Mileages - VS		85C	00	\$0.000012142
84	Link Monitoring - VI		377C	03	\$0.002076716
85	Expense - BH per Octet	SS7 Fundamental Study			
86	STP, IDST & Link Monitoring- VS				\$0.000072028
87	Link Monitoring - VI				\$0.000539099
88					
89					
90	Number of Octets Per SCR Query	Finance - Cost Matters			8.235%
91	Ratio - BHBS/ABDBS	Finance - Cost Matters			1.1
92	Ratio - ABDBS/ABD	Finance - Cost Matters			1.177
93	Ratio - ABD/ACD	Finance - Cost Matters			
94					1.5
95	Number of Hubs per LATA	Product Team			100
96	Number of Stand Alone (Host) Offices in State	Network			4
97	Number of LATAs in State	Network			38
98	Number of LATAs in BS Region	Network			45.61
99	Average Common Transport Miles	Finance - Cost Matters			1
100	Average Minutes Per Call	Study Assumption			3
101					
102	Number of Years to Recover R&D	Product Team			3
103					
104					3
105	Number of CLECs per Office	Product Team			3
106	Number of CLECs in Region	Product Team			
107					
108					
109	SWITCH/TRUNK RATES/MOU				
110	EO Switching Function/MOU(includes EO Trunk port)	Finance - Cost Matters			\$0.0175000
111	Tandem Switching Function/MOU(includes Tandem Trunk port)	Finance - Cost Matters			\$0.0002900
112	Common transport - per mile, per MOU	Finance - Cost Matters			\$0.0000120
113	Common transport - facilities termination per MOU	Finance - Cost Matters			\$0.0005000
114	Gross Receipt Tax Factor	Input Fundamental Studies			1.003013
115	Common Factor	Input Fundamental Studies			1.15
116					
117	Service Management System - SCR	SMS Computer Study			
118	SMS Computer Equipment		530C	00	\$69,098.00
119	SMS Computer Equipment		630C	00	\$62,160.00
120	SMS Annual Computer Expenses				\$21,972.00
121	SMS Computer RTU		460C	00	\$71,913.00

001637

	A	B	C	D	E	F
1	Tennessee					
2	Development of Service Establishment per CLEC					
3	Study Period: 2000-2002					
4						
5						
6	Element	Life	Item/Description			
7	Number	(Months)	Description	Source	JFC / JG / WS	Amount
8						
9			Number of Hubs per LATA	INPUT_REC, Ln95		1.5
10			Number of LATAs in BS Region	INPUT_REC, Ln98		38
11						
12			Service Establishment per CLEC			
13			Service Order - LSR			
14	G.11.1	60	Install - First Hub	INPUT_NR LN10	JG58	10
15	G.11.1	60	Install - Additional Hubs	INPUT_NR LN11	JG58	2
16	G.11.1	60	Disconnect - First Hub	INPUT_NR LN12	JG58	1
17	G.11.1	60	Disconnect - Additional Hubs	INPUT_NR LN13	JG58	1
18						
19			Service Order- LCSC			
20	G.11.1	60	Install	INPUT_NRC LN16	230X	0.25
21						
22	G.11.1	60	Disconnect	INPUT_NRC LN18	230X	0.25
23						
24						
25			Connect and Test - Translations CO			
26	G.11.1	60	Install - First Hub	INPUT_NRC LN22	4N2X	3.75
27	G.11.1	60	Install - Additional Hubs	INPUT_NRC LN23	4N2X	3.75
28	G.11.1	60	Disconnect - First Hub	INPUT_NRC LN24	4N2X	3.75
29	G.11.1	60	Disconnect - Additional Hubs	INPUT_NRC LN25	4N2X	3.75
30						
31			Service Establishment per CLEC			
32			Connect&Test - SCP			
33	G.11.1	60	Install - First Hub	INPUT_NRC LN28	4N2X	2.0
34	G.11.1	60	Install - Additional Hubs	INPUT_NRC LN29	4N2X	2.0
35	G.11.1	60	Disconnect - First Hub	INPUT_NRC LN30	4N2X	0.5
36	G.11.1	60	Disconnect - Additional Hubs	INPUT_NRC LN31	4N2X	0.5
37			Service Order - LSR			
38	G.11.1	60	Install	LN14+((LN9*LN10)-1)*LN15	JG58	122.00
39	G.11.1	60	Disconnect	LN16+((LN9*LN10)-1)*LN17	JG58	57.00
40						
41			Service Order- LCSC			
42	G.11.1	60	Install	LN20	230X	0.25
43	G.11.1	60	Disconnect	LN22	230X	0.25
44						
45			Connect and Test - Translations CO			
46	G.11.1	60	Install	LN26+((LN9*LN10)-1)*LN27	4N2X	213.75
47	G.11.1	60	Disconnect	LN28+((LN9*LN10)-1)*LN29	4N2X	213.75
48						
49			Connect and Test - Translations SCP			
50	G.11.1	60	Install	LN33+((LN9*LN10)-1)*LN34	4N2X	114.00
51	G.11.1	60	Disconnect	LN35+((LN9*LN10)-1)*LN36	4N2X	28.50
52						
53			Service Development Cost per CLEC			
54	G.11.1		Science&Technology Development Cost	INPUT_NRC LN63		\$ 510,400
55	G.11.1		Number of CLECs in Region	INPUT_REC LN106		3
56	G.11.1		Service Development Cost per CLEC	LN54/LN55		\$ 170,133

001638

	A	B	C	D	E	F
1	Tennessee					
2	Development of Service Establishment per End Office					
3	Study Period: 2000-2002					
4						
5						
6	Element	Life	Item/Description	Source	JFC / JG / WS	Amount
7	Number	(Months)	Description			
8			Number of CLECs per Office	INPUT_REC, Ln105		3
9			Number of Stand Alone (Host) Offices in State	INPUT_REC, Ln96		100
10			Percentage of Offices that are Hubs	INPUT_REC, (Ln95*Ln97/Ln96)		6.0%
11	G.11.2	60	Service Establishment per Office			
12			Service Order - LSR			
13			Install - First	INPUT_NRC LN35	JG58	2
14			Install - Additional	INPUT_NRC LN36	JG58	0.25
15			Service Order - CCM			
16			Install - First	INPUT_NRC LN38	34XX	0.5
17			Install - Additional	INPUT_NRC LN39	34XX	0.5
18	G.11.2	60	Service Order - LCSC			
19			Install - First	INPUT_NRC LN41	230X	1
20			Install - Additional	INPUT_NRC LN42	230X	0.0833
21			Disconnect - First	INPUT_NRC LN43	230X	0.0833
22			Disconnect - Additional	INPUT_NRC LN44	230X	0.0833
23						
24	G.11.2	60	Connect and Test - CO Translations			
25			Install	INPUT_NRC LN47	4N2X	18.00
26						
27						
28	G.11.2	60	Connect & Test - Sub Hub Translations			
29			Install	INPUT_NRC LN51	4N2X	18.50
30						
31						
32			Service Establishment per Office			
33	G.11.2	60	Service Order - LSR - Install	(LN13+(LN9-1)*LN14)/LN9	JG58	0.268
34	G.11.2	60	Service Order - CCM - Install	(LN16+(LN9-1)*LN17)/LN9	34XX	0.500
35	G.11.2	60	Service Order - LCSC - Install	(LN19+(LN9-1)*LN20)/LN9	230X	0.092
36	G.11.2	60	Service Order - LCSC - Disconnect	(LN21+(LN9-1)*LN22)/LN9	230X	0.083
37						
38	G.11.2	60	Connect and Test - CO Translations	LN25/LN8	4N2X	6.00
39						
40	G.11.2	60	Connect & Test - Sub Hub Trans	LN29*LN10/LN8	4N2X	0.370
41						
42	G.11.2	60	Connect and Test	LN38+LN40	4N2X	6.370

001639

	A	B	C	D
1	Tennessee			
2	Development of SMS Support per Query			
3	Study Period: 2000-2002			
4				
5	Element #: G.11.4			
6	Item/Description			
7	Description	JFC / JG / WS	Source	Amount
8				
9	SMS Support - BST - for SCR			
10	Annual Support for SCR	JG59 INPUT_NRC LN66		77
11	Annual Support for SCR	JG58 INPUT_NRC LN67		256.8
12				
13	SMS R&D - S&T for SCR			
14	Research Director	JG61 INPUT_NRC LN70		308.48
15	Senior Member of Technical Staff	JG60 INPUT_NRC LN71		1773.76
16	Member of Technical Staff	JG59 INPUT_NRC LN72		925.44
17	Associate Member of Technical Staff	JG58 INPUT_NRC LN73		694.08
18				
19	Number of Years to Recover R&D	INPUT_REC,Ln102		3
20	Average Number of Queries	WP40LN23		
21				
22	SCR Utilization Factor	INPUT_REC LN43		
23				
24	SMS Support - per Query - BST - for SCR			
25	Annual Support for SCR	JG59 LN10/LN20*LN22		0.00000050
26	Annual Support for SCR	JG58 LN11/LN20*LN22		0.00000168
27				
28	SMS R&D - per Query			
29	Research Director	JG61 LN14/Ln19/LN20*LN22		0.00000067
30	Senior Member of Technical Staff	JG60 LN15/Ln19/LN20*LN22		0.00000386
31	Member of Technical Staff	JG59 LN16/Ln19/LN20*LN22		0.00000201
32	Associate Member of Technical Staff	JG58 LN17/Ln19/LN20*LN22		0.00000151

001640

	A	B	C	D	E
1	Tennessee				
2	Development of CO to STP Investments per Query				
3	Study Period: 2000-2002				
4					
5					
6	Item/Description				
7	Description	Source	FRC	SubFRC	Amount
8					
9	Number of Octets Per SCR Query	INPUT_REC LN90			
10	SCR Utilization Factor	INPUT_REC.Ln43			
11	Ratio - BHBS/ABDBS	INPUT_REC.Ln91			8.235%
12	Ratio - ABDBS/ABD	INPUT_REC.Ln92			1.1
13	Ratio - ABD/ACD	INPUT_REC.Ln93			1.177
14	377C - 1977 to 1999	INPUT_REC.Ln53			0.9702
15	357C - 1996 to 1998	INPUT_REC.Ln54			0.9678
16	822C - 1996 to 1999	INPUT_REC.Ln55			1.0488
17	845C - 1996 to 1999	INPUT_REC.Ln56			1.0985
18	85C - 1996 to 1999	INPUT_REC.Ln57			1.0014
19					
20	Trigger Investments per Query:				
21	BH Trigger Investment per Query	INPUT_REC.Ln70	377C	03	
22	Trigger Investment per Query	(LN21*LN14*LN10*LN11*LN12*LN13)/365			\$0.001115551
23					
24					
25	SSP Investments per Query				
26	SSP BH Investment per Octet	INPUT_REC.Ln72	377C	03	
27	SSP BH Investment per Query	LN26*LN9	377C	03	
28	SSP Investment per Query	(LN27*LN14*LN10*LN11*LN12*LN13)/365	377C	03	\$0.000515316
29					
30	SS7 Investments Per Query				
31	Investment BH per Octet				
32	STP & IDST - VS	INPUT_REC LN76	377C	03	\$0.010249697
33	Link Termination - VS	INPUT_REC LN77	357C	03	\$0.000242491
34	Link Termination - VS	INPUT_REC LN78	357C	06	\$0.000231977
35	Link Termination - VS	INPUT_REC LN79	357C	09	\$0.000264168
36	Link Termination - VS	INPUT_REC LN80	357C	15	\$0.000001102
37	Link Mileage - VS	INPUT_REC LN81	822C	00	\$0.000006661
38	Link Mileage - VS	INPUT_REC LN82	845C	00	\$0.000008347
39	Link Mileage - VS	INPUT_REC LN83	85C	00	\$0.000012142
40	Link Monitoring - VI	INPUT_REC LN84	377C	03	\$0.002076716
41	Expense - BH per Octet				
42	STP, IDST & Link Monitoring- VS	INPUT_REC LN85			\$0.000072028
43	Link Monitoring - VI	INPUT_REC LN86			\$0.000539099
44					
45	Investment per Query				
46	STP & IDST - VS	(LN32*LN14*LN10*LN11*LN12*LN13/365)*Ln9	377C	03	\$0.000435716
47	Link Termination - VS	(LN33*LN15*LN10*LN11*LN12*LN13/365)*Ln9	357C	03	\$0.000010283
48	Link Termination - VS	(LN34*LN15*LN10*LN11*LN12*LN13/365)*Ln9	357C	06	\$0.000009837
49	Link Termination - VS	(LN35*LN15*LN10*LN11*LN12*LN13/365)*Ln9	357C	09	\$0.000011202
50	Link Termination - VS	(LN36*LN15*LN10*LN11*LN12*LN13/365)*Ln9	357C	15	\$0.000000047
51	Link Mileage - VS	(LN37*LN16*LN10*LN11*LN12*LN13/365)*Ln9	822C	00	\$0.000000306
52	Link Mileage - VS	(LN38*LN17*LN10*LN11*LN12*LN13/365)*Ln9	845C	00	\$0.000000402
53	Link Mileage - VS	(LN39*LN18*LN10*LN11*LN12*LN13/365)*Ln9	85C	00	\$0.000000533
54	Link Monitoring - VI	(LN40*LN14*LN10*LN11*LN12*LN13/365)*Ln9	377C	03	\$0.000088281
55					
56	Expense per Query				
57	STP, IDST & Link Monitoring- VS	(LN42*LN14*LN10*LN11*LN12*LN13/365)*Ln9			\$0.000003062
58	Link Monitoring - VI	(LN43*LN14*LN10*LN11*LN12*LN13/365)*Ln9			\$0.000022917

001641

	A	B	C	D	E
1	Tennessee				
2	Development of Trunking Cost per Query				
3	Study Period: 2000-2002				
4					
5					
6	Item/Description				
7	Description	Source	FRC	SubFRC	Amount
8	SWITCH/TRUNK RATES/MOU				
9	EO Switching Function/MOU(includes EO Trunk port)	INPUT_REC LN110			\$0.01750
10	Tandem Switching Function/MOU(includes Tandem Trunk port)	INPUT_REC LN111			\$0.00029
11	Common transport - per mile, per MOU	INPUT_REC LN112			\$0.00001
12	Common transport - facilities termination per MOU	INPUT_REC LN113			\$0.00050
13	Gross Receipt Tax Factor	INPUT_REC LN114			1.003013
14	Common Factor	INPUT_REC LN115			1.15
15					
16					
17	EO Switching Function/MOU(includes EO Trunk port)	LN9/LN13/LN14			\$0.015171679
18	Tandem Switching Function/MOU(includes Tandem Trunk port)	LN10/LN13/LN14			\$0.000251416
19	Common transport - per mile, per MOU	LN11/LN13/LN14			\$0.000010403
20	Common transport - facilities termination per MOU	LN12/LN13/LN14			\$0.000433477

001642

	A	B	C	D	E
1	Tennessee				
2	Development of SCP to STP Link Transport Investments per Query				
3	Study Period: 2000-2002				
4					
5					
6	Item/Description				
7	Description	Source	FRC	SubFRC	Amount
8					
9	Mileage & Circuit Data for All Gateways:				
10	Gateway 6				
11	Number of Circuit Miles	INPUT_REC LN24			
12	Number of Interoffice Circuits	INPUT_REC LN27			
13	377C - 1977 to 1999	INPUT_REC LN53			0.9702
14	357C - 1996 to 1998	INPUT_REC LN54			0.9678
15	822C - 1996 to 1999	INPUT_REC LN55			1.0488
16	845C - 1996 to 1999	INPUT_REC LN56			1.0985
17	85C - 1996 to 1999	INPUT_REC LN57			1.0014
18					
19	Number of SCP Queries per Year				
20	Year 1	INPUT_REC LN37			
21	Year 2	INPUT_REC LN38			
22	Year 3	INPUT_REC LN39			
23	Average Number of Queries	(LN20+LN21+LN22)/3			
24	SCP Utilization on SCR				
25	Year 1	INPUT_REC LN18			
26	Year 2	INPUT_REC LN19			
27	Year 3	INPUT_REC LN20			
28	Average SCP Utilizations on SCR	(LN25+LN26+LN27)/3			
29	STP to SCP Facilities Investments				
30	Facilities Annual Investments per Termination	INPUT_REC LN60	357C	03	\$177.027
31	Facilities Annual Investments per Termination	INPUT_REC LN61	357C	06	\$169.352
32	Facilities Annual Investments per Termination	INPUT_REC LN62	357C	09	\$192.852
33	Facilities Annual Investments per Termination	INPUT_REC LN63	357C	15	\$0.804
34	Facilities Annual Investments per Airline Mile	INPUT_REC LN64	822C	00	\$0.079
35	Facilities Annual Investments per Airline Mile	INPUT_REC LN65	845C	00	\$0.099
36	Facilities Annual Investments per Airline Mile	INPUT_REC LN66	85C	00	\$0.144
37					
38	STP to SCP Facilities Investments per Query:				
39	Facilities Annual Investments per Termination	LN30*LN14*LN12/LN23*LN28	357C	03	\$0.000001074
40	Facilities Annual Investments per Termination	LN31*LN14*LN12/LN23*LN28	357C	06	\$0.000001027
41	Facilities Annual Investments per Termination	LN32*LN14*LN12/LN23*LN28	357C	09	\$0.000001170
42	Facilities Annual Investments per Termination	LN33*LN14*LN12/LN23*LN28	357C	15	\$0.000000005
43	Facilities Annual Investments per Airline Mile	LN34*LN15*LN11/LN23*LN28	822C	00	\$0.000000012
44	Facilities Annual Investments per Airline Mile	LN35*LN16*LN11/LN23*LN28	845C	00	\$0.000000016
45	Facilities Annual Investments per Airline Mile	LN36*LN17*LN11/LN23*LN28	85C	00	\$0.000000021
46					
47					
48	Signal Transfer Point (STP) Link Investments and RTU Fee per Query:				
49					
50					
51	STP Material Price per Initial Port	INPUT_REC LN47	377C	03	
52	Total STP Annual Investments	LN51*LN13*LN12*LN28	377C	03	
53	STP Port Material Investment per Query - VI	LN52/LN23	377C	03	\$0.000030894
54					
55	STP RTU Fee per Initial Port	INPUT_REC LN50			0.0993
56	Discount Rate - Cost of Money	INPUT_REC LN14			5
57	Amortization Term Years	INPUT_REC LN15			
58					
59	Annuity Factor	(((LN56*(1+LN56)^LN57))/((1+LN56)^LN57-1))			0.2633
60					
61	STP RTU Expense per Query	(ln55*LN13*LN12*LN28*LN59)/LN23			\$0.000000251

001643

	A	B	C	D	E
1	Tennessee				
2	Development of SCP Investments per Query				
3	Study Period: 2000-2002				
4					
5					
6	Item/Description				
7	Description	Source	FRC	SubFRC	Amount
8	Number Of SCP Pairs	INPUT_REC LN29			1
9	Portion of SCP Capacity Utilized by SCR				
10	Year 1	INPUT_REC LN18			
11	Year 2	INPUT_REC LN19			
12	Year 3	INPUT_REC LN20			
13					
14	SCP Material Price Per Pair	INPUT_REC LN31	377C	03	
15					
16	SCP RTU Fees per Pair	INPUT_REC LN41	560C	00	
17					
18	Number of SCP Queries (per Year)				
19	Year 1	INPUT_REC LN37			
20	Year 2	INPUT_REC LN38			
21	Year 3	INPUT_REC LN39			
22					
23					
24	Average SCP Material Price per Query:				
25					
26	Average SCR Utilization of SCR over Study Period	(LN10+LN11+LN12)/3			
27					
28	SCP Material Price Utilized by SCR	LN8*LN14*LN26	377C	03	
29					
30	Average Number of Queries Over Study Period	(LN19+LN20+LN21)/3			
31					
32	Average Material Price Per Query - VS	LN28/LN30	377C	03	
33					
34	Average SCP RTU Fee per Query:				
35					
36	Discount Rate - Cost of Money				0.0993
37	Amortization Term Years				5
38					
39					
40					
41					
42					
43					
44	Annuity Factor	(((LN36*(1+LN36)^LN37))/((1+LN36)^LN37-1))			0.2633
45					
46					
47					
48	SCP RTU Expense per Query	(LN16*LN26*LN44)/LN30			\$0.000128929

001644

	A	B	C	D	E
1	Tennessee				
2	Development of SMS Computer Investment and Expenses				
3	Study Period: 2000-2002				
4					
5	Element #: G.11.4				
6	Item/Description				
7	Description	Source	FRC	SubFRC	Amount
8					
9	Service Management System - SCR				
10	SMS Computer Equipment	INPUT_REC LN132	530C	00	\$69,098.00
11	SMS Computer Equipment	INPUT_REC LN133	630C	00	\$62,160.00
12	SMS Annual Computer Expenses	INPUT_REC LN134			\$21,972.00
13	SMS Computer RTU	INPUT_REC LN135	460C	00	\$71,913.00
14					
15	Utilization Factor	INPUT_REC LN43			
16					
17	Number of SCP Queries per Year				
18	Year 1	INPUT_REC LN37			
19	Year 2	INPUT_REC LN38			
20	Year 3	INPUT_REC LN39			
21					
22	SMS Investment & Expenses Per Query				
23	Average Number of Queries Over Study Period	(LN18+LN19+LN20)/3			
24	SMS Computer Equipment per Query	LN10/LN23*LN15	530C	00	\$ 0.000451088
25	SMS Computer Equipment per Query	LN11/LN23*LN15	630C	00	\$ 0.000405795
26	SMS Computer Expenses per Query	LN12/LN23*LN15			\$ 0.000143438
27	SMS Computer RTU per Query	LN13/LN23*LN15	460C	00	\$ 0.000469465

001645

	A	B	C	D	E	F
1	Tennessee					
2	Investment/Expense Summary					
3	Study Period: 2000-2002					
4						
5						
6	Item/Description				VS	VI
7	Description	Source	FRC	SubFRC	Amount	Amount
8						
9						
10						
11	SS7,STP	WP30LN54+WP40LN53	377C	03		\$ 0.000119176
12	Trigger, SSP, STP, SS7, SCP	WP30(LN22+LN28+LN46)+WP50LN32	377C	03	\$ 0.002317659	
13	STP to SCP Facility, SS7	WP30LN47+WP40LN39	357C	03	\$ 0.000011357	
14	STP to SCP Facility, SS7	WP30LN48+WP40LN40	357C	06	\$ 0.000010864	
15	STP to SCP Facility, SS7	WP30LN49+WP40LN41	357C	09	\$ 0.000012372	
16	STP to SCP Facility, SS7	WP30LN50+WP40LN42	357C	15	\$ 0.000000052	
17	STP to SCP Facility, SS7	WP30LN51+WP40LN43	822C	00	\$ 0.000000318	
18	STP to SCP Facility, SS7	WP30LN52+WP40LN44	845C	00	\$ 0.000000418	
19	STP to SCP Facility, SS7	WP30LN53+WP40LN45	85C	00	\$ 0.000000554	
20	STP to SCP Facility, SS7,SCP Expense per Query	WP30LN57+WP40LN61+WP50LN48	ADD		\$ 0.000132242	
21	SS7 Expense per Query	WP30LN58	ADD			\$ 0.000022917
22	SMS Computer Equipment / Query	WP60LN24	530C	00		\$ 0.000451088
23	SMS Computer Equipment / Query	WP60LN25	630C	00		\$ 0.000405795
24	SMS Computer Exp / Query	WP60LN26	ADD			\$ 0.000143438
25	SMS Computer RTU / Query	WP60LN27	460C	00		\$ 0.000469465
26	EO Switching Function/MOU	WP35LN17	ADD		\$ 0.015171679	
27	Tandem Switching Functon/MOU	WP35LN18	ADD		\$ 0.000251416	
28	Common Transport - per mile/MOU	WP35LN19	ADD		\$ 0.000010403	
29	Common Transport - per Term./MOU	WP35LN20	ADD		\$ 0.000433477	

001646

Assembly Point

BellSouth Telecommunications, Inc.

	A	B	C	D	E	F	G	H	I	J
1	Tennessee									
2	Index Sheet									
3	Study Period: 2000 - 2002									
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										

Sheet Name:	Description:
Index	Assembly Point
Investments	CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA
Additives_Recurring	CALCULATOR INPUT FORM - RECURRING EXPENSES DATA
Additives_Nonrecurring	CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA
Recurring Labor	CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA
Nonrecurring Labor	CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES
INPUT_Investment	Assembly Point - Input Investments
INPUT_Nonrecurring	Assembly Point - Input Nonrecurring
H.3.1	2-Wire Cross-Connect Investment Calculations
H.3.1 NRC	2-Wire Cross-Connect NRC Calculations
H.3.2	4-Wire Cross-Connect Investment Calculations
H.3.3	DS1 Cross-Connect Investment Calculations

001647

A	B	C	D	E	F	G
1	CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA					
2						
3	Instructions:					
4	1. Use this worksheet to record material and/or investments to be input into the					
5	TELRIC calculations.					
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).					
7	3. Input data, by Cost Element, leaving no blank lines. On next row					
8	after last line of data, type END in Cost Element Column.					
9	4. All data on this form should be cell-referenced to study workpapers.					
10	5. Do NOT change columns, headings, sheet name.					
11						
12						
13						
14	<u>State</u>	<u>Cost</u>	<u>FRC</u>	<u>Sub</u>	<u>Volume</u>	<u>Volume</u>
15	TN	H.3.1	357C	01	<u>Sensitive</u>	<u>Insensitive</u>
16	TN	H.3.2	357C	01	<u>\$ Amount</u>	<u>\$ Amount</u>
17	TN	H.3.3	357C	01	\$10.455	\$20.909
18	TN	H.3.3	357C	04	\$55.241	\$289.000
19	END					

001648

	A	B	C	D	E	F
1	CALCULATOR INPUT FORM - RECURRING EXPENSES DATA					
2						
3	Instructions:					
4	1. Use this worksheet to record recurring non-labor expenses to be input into the					
5	TELRIC calculations.					
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).					
7	3. Input data, by Cost Element, leaving no blank lines. On next row					
8	after last line of data, type END in Cost Element Column.					
9	4. All data on this form should be cell-referenced to study workpapers.					
10	5. Do NOT change columns, headings, sheet name.					
11						
12						
13						
14						
15						
16						
17	<u>State</u>	<u>Element #</u>	<u>Recurring</u>	<u>Recurring</u>	<u>Recurring</u>	<u>Recurring</u>
18	TN		Expense Description	Volume	Volume	Volume
19			(Limited to 25 characters)	Sensitive	Insensitive	\$ Amount
				\$ Amount	\$ Amount	\$ Amount
	END	Maximum 10 entries per Cost Element #				

001649

	A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA							
2								
3	Instructions:							
4	1. Use this worksheet to record nonrecurring non-labor expenses to be input into the TELRIC calculations.							
5	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).							
6	3. Input data, by Cost Element, leaving no blank lines. On next row							
7	after last line of data, type END in Cost Element Column.							
8	4. All data on this form should be cell-referenced to study workpapers.							
9	5. Do NOT change columns, headings, sheet name.							
10	6. Use column D when cost element has a single nonrecurring cost; use columns E & F for elements with a first							
11	and additional nonrecurring cost; use columns G & H for elements with an initial and subsequent nonrecurring cost.							
12								
13								
14								
15								
16	State	Cost	Nonrecurring	Nonrecurring	Nonrecurring	Nonrecurring	Nonrecurring	Nonrecurring
17	Element #	Expense Description	First	Additional	Initial	Subsequent		
18		(Limited to 25 characters)	\$ Amount	\$ Amount	\$ Amount	\$ Amount	\$ Amount	
19	END	Maximum 10 entries per Cost Element #						

001650

	A	B	C	D	E	F	G
1	CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA						
2							
3	Instructions:						
4	1. Use this worksheet to record recurring expensed labor times to be input into the						
5	TELRIC calculations.						
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
7	3. Input data, by Cost Element, leaving no blank lines. On next row						
8	after last line of data, type END in Cost Element Column.						
9	4. All data on this form should be cell-referenced to study workpapers.						
10	5. Do NOT change columns, headings, sheet name.						
11							
12							
13							
14							
15	<u>State</u>	<u>Cost</u>	<u>Labor Expense Description</u>	<u>JFC</u>	<u>Work Time (Hours)</u>		
16	<u>Element #</u>		<u>(Limited to 25 characters)</u>		<u>Volume</u>	<u>Sensitive</u>	<u>Insensitive</u>
17	TN						
18	END						
19							

Maximum 20 entries per Cost Element #

001651

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES															
Instructions:															
1. Use this worksheet to record nonrecurring labor times to be input into the TELRIC calculations.															
2. All amounts shown are per unit (e.g., per call, per loop, per MOU).															
3. Input data, by Cost Element, leaving no blank lines. On next row after last line of data, type END in Cost Element Column.															
4. All data on this form should be cell-referenced to study workpapers.															
5. Do NOT change columns, headings, sheet name.															
6. Use columns F & G when cost element has a single nonrecurring cost; use columns H, I, J, & K for elements with a first and additional nonrecurring cost; use columns L, M, N & O for elements with an initial and subsequent nonrecurring cost.															
7. Study midpoint date is set at 6/01.															
Study Mid-Point Date (Mos.) Jun-01															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
TN	State	Cost Element #	Cost Element	Labor Expense Description (Limited to 25 characters)	JFC Payband	Installation Time (Hours)	Disconnect Time (Hours)	First Installation Time (Hours)	First Disconnect Time (Hours)	Additional Installation Time (Hours)	Additional Disconnect Time (Hours)	Initial Installation Time (Hours)	Initial Disconnect Time (Hours)	Subsequent Installation Time (Hours)	Subsequent Disconnect Time (Hours)
21	TN	H.3.1	46	Network Provisioning	230X	0.0070	0.0000	0.0070	0.0000	0.0070	0.0000	0.0000	0.0000	0.0000	0.0000
22	TN	H.3.1	46	Network Provisioning	4N4X	0.0126	0.0000	0.0126	0.0000	0.0091	0.0000	0.0000	0.0000	0.0000	0.0000
23	TN	H.3.1	46	Network Provisioning	4WXX	0.0250	0.0000	0.0250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
24	TN	H.3.1	46	Network Provisioning	4AXX	0.0660	0.0000	0.0660	0.0000	0.0660	0.0000	0.0000	0.0000	0.0000	0.0000
25	TN	H.3.1	46	Network Provisioning	431X	0.1667	0.0000	0.1667	0.0000	0.1667	0.0000	0.0000	0.0000	0.0000	0.0000
26	TN	H.3.199	46	Network Provisioning	230X	0.0000	0.0023	0.0000	0.0023	0.0000	0.0023	0.0000	0.0000	0.0000	0.0000
27	TN	H.3.199	46	Network Provisioning	4N4X	0.0000	0.0035	0.0000	0.0035	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28	TN	H.3.199	46	Network Provisioning	4WXX	0.0000	0.0250	0.0000	0.0250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
29	TN	H.3.199	46	Network Provisioning	4AXX	0.0000	0.0423	0.0000	0.0423	0.0000	0.0423	0.0000	0.0000	0.0000	0.0000
30	TN	H.3.199	46	Network Provisioning	431X	0.0000	0.1667	0.0000	0.1667	0.0000	0.1667	0.0000	0.0000	0.0000	0.0000
31	TN	H.3.2	52	Network Provisioning	230X	0.0070	0.0000	0.0070	0.0000	0.0070	0.0000	0.0000	0.0000	0.0000	0.0000
32	TN	H.3.2	52	Network Provisioning	4N4X	0.0180	0.0000	0.0180	0.0000	0.0130	0.0000	0.0000	0.0000	0.0000	0.0000
33	TN	H.3.2	52	Network Provisioning	4WXX	0.0250	0.0000	0.0250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
34	TN	H.3.2	52	Network Provisioning	4AXX	0.0660	0.0000	0.0660	0.0000	0.0660	0.0000	0.0000	0.0000	0.0000	0.0000
35	TN	H.3.2	52	Network Provisioning	431X	0.1667	0.0000	0.1667	0.0000	0.1667	0.0000	0.0000	0.0000	0.0000	0.0000
36	TN	H.3.299	52	Network Provisioning	230X	0.0000	0.0023	0.0000	0.0023	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
37	TN	H.3.299	52	Network Provisioning	4N4X	0.0000	0.0051	0.0000	0.0051	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
38	TN	H.3.299	52	Network Provisioning	4WXX	0.0000	0.0250	0.0000	0.0250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
39	TN	H.3.299	52	Network Provisioning	4AXX	0.0000	0.0423	0.0000	0.0423	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40	TN	H.3.299	52	Network Provisioning	431X	0.0000	0.1667	0.0000	0.1667	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
41	TN	H.3.3	52	Network Provisioning	230X	0.0070	0.0000	0.0070	0.0000	0.0070	0.0000	0.0000	0.0000	0.0000	0.0000
42	TN	H.3.3	52	Network Provisioning	4N4X	0.0250	0.0000	0.0250	0.0000	0.0833	0.0000	0.0000	0.0000	0.0000	0.0000
43	TN	H.3.3	52	Network Provisioning	4WXX	0.0625	0.0000	0.0625	0.0000	0.0492	0.0000	0.0000	0.0000	0.0000	0.0000
44	TN	H.3.3	52	Network Provisioning	34XX	0.0033	0.0000	0.0033	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
45	TN	H.3.3	52	Network Provisioning	34XX	0.0733	0.0000	0.0733	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
46	TN	H.3.3	52	Network Provisioning	4AXX	0.1667	0.0000	0.1667	0.0000	0.1667	0.0000	0.0000	0.0000	0.0000	0.0000
47	TN	H.3.3	52	Network Provisioning	431X	0.0000	0.0023	0.0000	0.0023	0.0000	0.0023	0.0000	0.0000	0.0000	0.0000
48	TN	H.3.399	52	Network Provisioning	230X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
49	TN	H.3.399	52	Network Provisioning	4N4X	0.0000	0.0058	0.0000	0.0058	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
50	TN	H.3.399	52	Network Provisioning	4N4X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
51	TN	H.3.399	52	Network Provisioning	34XX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
52	TN	H.3.399	52	Network Provisioning	34XX	0.0000	0.0250	0.0000	0.0250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
53	TN	H.3.399	52	Network Provisioning	4WXX	0.0000	0.0423	0.0000	0.0423	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
54	TN	H.3.399	52	Network Provisioning	431X	0.0000	0.1667	0.0000	0.1667	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Assembly Point

BellSouth Telecommunications, Inc.

Study Mid-Point Date (Mo.)				D		Jun-01																	
A	B	C				E	F	G	H	I	J	K	L	M	N	O							
15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31							
State		TN		TN		TN		TN		TN		TN		TN		TN							
Cost Element #		46		46		46		46		46		46		46		46							
Life (Mo)		46		46		46		46		46		46		46		46							
Labor Expense Description		(Limited to 25 characters)																					
JFC		Payband																					
Assembly Point: 2-Wire Crossconnect - Manual vs. Electronic Svc Order		230X																					
Assembly Point: 2-Wire Disconnect - Manual vs. Electronic Svc Order		230X																					
Assembly Point: 4-Wire Crossconnect - Manual vs. Electronic Svc Order		230X																					
Assembly Point: 4-Wire Disconnect - Manual vs. Electronic Svc Order		230X																					
Assembly Point: DS1 Crossconnect - Manual vs. Electronic Svc Order		230X																					
Assembly Point: DS1 Disconnect - Manual vs. Electronic Svc Order		230X																					
Network Provisioning		44XX																					
Network Provisioning		431X																					
Network Provisioning		44XX																					
Network Provisioning		431X																					
Network Provisioning		44XX																					
Network Provisioning		431X																					
Maximum of 25 entries per Cost Element #																							
END																							
67																							

001653

	A	B	C	D	E	F	G	H
1	Tennessee							
2	Assembly Point - Input Investments							
3	Study Period: 2000 - 2002							
4								
5								
6		Cost	Item/Description					Recurring
7	State	Element #	Description	FRC	SubFRC	Source	Amount	Additive
8	TN	H.3	ASSEMBLY POINT					
9								
10	TN	H.3.1	Assembly Point: 2-Wire Cross Connects	357C	01			
11			Distributing Frames (BST & Assembly Point)					
12			Material Price			Network Planning & Support		
13			Projected Actual Utilization			Network Planning & Support		
14			Circuit Capacity			Network Planning & Support	1,600	
15			Number Required			Network Planning & Support	2	
16			Connecting Blocks (BST & Assembly Point)					
17			Material Price			Network Planning & Support		
18			Projected Actual Utilization			Network Planning & Support		
19			Circuit Capacity			Network Planning & Support	100	
20			Number Required			Network Planning & Support	2	
21			Cable (between BST & Assembly Point Frames)					
22			Material Price per foot			Network Planning & Support		
23			Projected Actual Utilization			Network Planning & Support		
24			Circuit Capacity			Network Planning & Support	100	
25			Number Feet			Network Planning & Support	150	
26			Cable Rack (between BST & Assembly Point Frames)					
27			Material Price per foot			Network Planning & Support		
28			Projected Actual Utilization			Network Planning & Support		
29			Circuit Capacity			Network Planning & Support	97,200	
30			Number Feet			Network Planning & Support	150	
31								
32	TN	H.3.2	Assembly Point: 4-Wire Cross Connects	357C	01			
33			Distributing Frames (BST & Assembly Point)					
34			Material Price			Network Planning & Support		
35			Projected Actual Utilization			Network Planning & Support		
36			Circuit Capacity			Network Planning & Support	1,600	
37			Number Required			Network Planning & Support	4	
38			Connecting Blocks (BST & Assembly Point)					
39			Material Price			Network Planning & Support		
40			Projected Actual Utilization			Network Planning & Support		
41			Circuit Capacity			Network Planning & Support	100	
42			Number Required			Network Planning & Support	4	
43			Cable (between BST & Assembly Point Frames)					
44			Material Price per foot			Network Planning & Support		
45			Projected Actual Utilization			Network Planning & Support		
46			Circuit Capacity			Network Planning & Support	50	
47			Number Feet			Network Planning & Support	150	
48			Cable Rack (between BST & Assembly Point Frames)					
49			Material Price per foot			Network Planning & Support		
50			Projected Actual Utilization			Network Planning & Support		
51			Circuit Capacity			Network Planning & Support	48,600	
52			Number Feet			Network Planning & Support	150	
53								
54	TN	H.3.3	Assembly Point: DS-1 Cross Connects	357C	01			
55			DSX-1 Panels (BST & Assembly Point)					
56			Material Price			DS1 Price Calculator		
57			Projected Actual Utilization			Network Planning & Support		
58			Circuit Capacity			DS1 Price Calculator	1,000	
59			Number Required			Network Planning & Support	2	
60			Cable (between BST Assembly Point DSX-1 Panels)					

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	A	B	C	D	E	F	G	H
61			Material Price per foot			Network Planning & Support		
62			Projected Actual Utilization			Network Planning & Support		
63			Number Feet			Network Planning & Support	150	
64			Circuit Capacity			Network Planning & Support	14	
65			Cable Rack (between BST Assembly Point DSX-1 Panels)					
66			Material Price per foot			Network Planning & Support		
67			Projected Actual Utilization			Network Planning & Support		
68			Number Feet			Network Planning & Support	150	
69			Circuit Capacity			Network Planning & Support	10,528	
70			Repeater Bay (between BST & Assembly Point DSX-1 Panels)					
71			Material Price			Network Planning & Support		
72			Projected Actual Utilization			Network Planning & Support		
73			Circuit Capacity			Network Planning & Support	224	
74			Repeater Shelf (between BST & Assembly Point DSX-1 Panels)					
75			Material Price			Network Planning & Support		
76			Projected Actual Utilization			Network Planning & Support		
77			Circuit Capacity			Network Planning & Support	28	
78			Repeater (between BST & Assembly Point DSX-1 Panels)	357C	04			
79			Material Price			Network Planning & Support		
80			Projected Actual Utilization			Network Planning & Support		
81			Circuit Capacity			Network Planning & Support	1	
82								
83								
84								
85								
86								
87								
88								
89								
90								
91								
92								
93								

001655

Assembly Point

A		B		C		D		E		F		G		H		I		J		K		L		M		N	
1. Tennessee																											
2. Assembly Point - Input Nonrecurring																											
3. Study Period: 2000 - 2002																											
State		Cost Element #		Description		Workgroup		Source		JFC		Cost Element Life (months)		(For use w/ one NR)		First		Additional		Nonrecurring Additive							
10	10	ASSEMBLY POINT																									
11	11	Assembly Point - 2-Wire Cross Connects																									
12	12	Percent Designed Circuits																									
13	13	Network Provisioning																									
14	14	Network Provisioning																									
15	15	Network Provisioning																									
16	16	Network Provisioning																									
17	17	Network Provisioning																									
18	18	Network Provisioning																									
19	19	Network Provisioning																									
20	20	Assembly Point - 2-Wire Cross Connects - Disconnect																									
21	21	Percent Designed Circuits																									
22	22	Network Provisioning																									
23	23	Network Provisioning																									
24	24	Network Provisioning																									
25	25	Network Provisioning																									
26	26	Network Provisioning																									
27	27	Network Provisioning																									
28	28	Assembly Point - 4-Wire Cross Connects																									
29	29	Network Provisioning																									
30	30	Network Provisioning																									
31	31	Network Provisioning																									
32	32	Network Provisioning																									
33	33	Network Provisioning																									
34	34	Network Provisioning																									
35	35	Assembly Point - 4-Wire Cross Connects - Disconnect																									
36	36	Network Provisioning																									
37	37	Network Provisioning																									
38	38	Network Provisioning																									
39	39	Network Provisioning																									
40	40	Network Provisioning																									
41	41	Network Provisioning																									
42	42	Assembly Point - DS-1 Cross Connects																									
43	43	Network Provisioning																									
44	44	Network Provisioning																									
45	45	Network Provisioning																									
46	46	Network Provisioning																									
47	47	Network Provisioning																									
48	48	Network Provisioning																									

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Assembly Point

BellSouth Telecommunications, Inc.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
61	TN	H 3.4	Assembly Point: 2-Wire Crossconnect - Manual vs. Electronic Svc Order	Customer Point of Contact	Interconnection Operations	230X	46			0.0597	0.0000	0.0597	0.0000	
62	TN	H 3.499	Assembly Point: 2-Wire Disconnect - Manual vs. Electronic Svc Order	Customer Point of Contact	Interconnection Operations	230X	46			0.0000	0.0310	0.0000	0.0310	
63	TN	H 3.5	Assembly Point: 4-Wire Crossconnect - Manual vs. Electronic Svc Order	Customer Point of Contact	Interconnection Operations	230X	52			0.0597	0.0000	0.0597	0.0000	
64	TN	H 3.599	Assembly Point: 4-Wire Disconnect - Manual vs. Electronic Svc Order	Customer Point of Contact	Interconnection Operations	230X	52			0.0000	0.0310	0.0000	0.0310	
65	TN	H 3.6	Assembly Point: DS1 Crossconnect - Manual vs. Electronic Svc Order	Customer Point of Contact	Interconnection Operations	230X	52			0.0597	0.0000	0.0597	0.0000	
66	TN	H 3.699	Assembly Point: DS1 Disconnect - Manual vs. Electronic Svc Order	Customer Point of Contact	Interconnection Operations	230X	52			0.0000	0.0310	0.0000	0.0310	
67	TN	H 3.198	Assembly Point: 2-Wire Cross Connects Testing Network Provisioning	Access Customer Advocate Center CO Install & Mice Field - Ckt & Fac	Advanced Networking Division Advanced Networking Division	4AXX 431X	46			0.0476 0.2500	0.0000 0.0000	0.0476 0.2500	0.0000 0.0000	
68	TN	H 3.298	Assembly Point: 4-Wire Cross Connects Testing Network Provisioning	Access Customer Advocate Center CO Install & Mice Field - Ckt & Fac	Advanced Networking Division Advanced Networking Division	4AXX 431X	52			0.0476 0.2500	0.0000 0.0000	0.0476 0.2500	0.0000 0.0000	
69	TN	H 3.398	Assembly Point: DS-1 Cross Connects Testing Network Provisioning	Access Customer Advocate Center CO Install & Mice Field - Ckt & Fac	Advanced Networking Division Advanced Networking Division	4AXX 431X	52			0.0760 0.2500	0.0000 0.0000	0.0760 0.2500	0.0000 0.0000	
70	TN													
71	TN													
72	TN													
73	TN													
74	TN													
75	TN													
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81	TN													
82	TN													
83	TN													
84	TN													
85	TN													

001657

	A	B	C	D	E
1	Tennessee				
2	2-Wire Cross-Connect Investment Calculations				
3	Study Period: 2000 - 2002				
4					
5					
6	Item/Description	Source	Amount	FRC	SubFRC
7	Distributing Frames (BST & Assembly Point)				
8					
9	Material Price	Inputs_Investment Line 12		357C	01
10	Projected Actual Utilization	Inputs_Investment Line 13			
11	Circuit Capacity	Inputs_Investment Line 14	1,600		
12	Number Required	Inputs_Investment Line 15	2		
13	Utilized Material Price per Circuit	(Line 9 / Line 10 / Line 11) x Line 12	\$4.649	357C	01
14					
15	Connecting Blocks (BST & Assembly Point)				
16					
17	Material Price	Inputs_Investment Line 17		357C	01
18	Projected Actual Utilization	Inputs_Investment Line 18			
19	Circuit Capacity	Inputs_Investment Line 19	100		
20	Number Required	Inputs_Investment Line 20	2		
21	Utilized Material Price per Circuit	(Line 17 / Line 18 / Line 19) x Line 20	\$4.180	357C	01
22					
23	Cable (between BST & Assembly Point Frames)				
24					
25	Material Price per foot	Inputs_Investment Line 22		357C	01
26	Projected Actual Utilization	Inputs_Investment Line 23			
27	Circuit Capacity	Inputs_Investment Line 24	100		
28	Number Feet	Inputs_Investment Line 25	150		
29	Utilized Material Price per Circuit	(Line 25 / Line 26 / Line 27) x Line 28	\$1.523	357C	01
30					
31	Cable Rack (between BST & Assembly Point Frames)				
32					
33	Material Price per foot	Inputs_Investment Line 27		357C	01
34	Projected Actual Utilization	Inputs_Investment Line 28			
35	Circuit Capacity	Inputs_Investment Line 29	97,200		
36	Number Feet	Inputs_Investment Line 30	150		
37	Utilized Material Price per Circuit	(Line 33 / Line 34 / Line 35) x Line 36	\$0.103	357C	01
38					
39	Total Utilized Material Price per Circuit	Line 13 + Line 21 + Line 29 + Line 37	\$10.455	357C	01
40					
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001658

	A	B	C	D
1	Tennessee			
2	2-Wire Cross-Connect NRC Calculations			
3	Study Period: 2000 - 2002			
4				
5				
6	Item/Description	Source	Amount	JFC
7	Percent Designed Circuits	Input _Nonrecurring Line 14	70%	4N4X
8				
9	Circuit Provisioning Group (install - first)	Input _Nonrecurring Line 16	0.0180	
10				
11	Adjusted Network Provisioning Time (install - first)	Line 7 x Line 9	0.0126	
12				
13	Circuit Provisioning Group (install - additional)	Input _Nonrecurring Line 16	0.0130	
14				
15	Adjusted Network Provisioning Time (install - additional)	Line 7 x Line 13	0.0091	
16				
17	Circuit Provisioning Group (disconnect - first)	Input _Nonrecurring Line 24	0.0051	
18				
19	Adjusted Network Provisioning Time (disconnect - first)	Line 7 x Line 17	0.0035	
20				
21	Circuit Provisioning Group (disconnect - additional)	Input _Nonrecurring Line 24	0.0001	
22				
23	Adjusted Network Provisioning Time (disconnect - additional)	Line 7 x Line 21	0.0000	
24				
25				
26				
27				
28				
29				
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	A	B	C	D	E
1	Tennessee				
2	4-Wire Cross-Connect Investment Calculations				
3	Study Period: 2000 - 2002				
4					
5					
6	Item/Description	Source	Amount	FRC	SubFRC
7	Distributing Frames (BST & Assembly Point)				
8					
9	Material Price	Inputs_Investment Line 34		357C	01
10	Projected Actual Utilization	Inputs_Investment Line 35			
11	Circuit Capacity	Inputs_Investment Line 36	1,600		
12	Number Required	Inputs_Investment Line 37	4		
13	Utilized Material Price per Circuit	(Line 9 / Line 10 / Line 11) x Line 12	\$9.298	357C	01
14					
15	Connecting Blocks (BST & Assembly Point)				
16					
17	Material Price	Inputs_Investment Line 39		357C	01
18	Projected Actual Utilization	Inputs_Investment Line 40			
19	Circuit Capacity	Inputs_Investment Line 41	100		
20	Number Required	Inputs_Investment Line 42	4		
21	Utilized Material Price per Circuit	(Line 17 / Line 18 / Line 19) x Line 20	\$8.359	357C	01
22					
23	Cable Rack (between BST & Assembly Point Frames)				
24					
25	Material Price per foot	Inputs_Investment Line 44		357C	01
26	Projected Actual Utilization	Inputs_Investment Line 45			
27	Circuit Capacity	Inputs_Investment Line 46	50		
28	Number Feet	Inputs_Investment Line 47	150		
29	Utilized Material Price per Circuit	(Line 25 / Line 26 / Line 27) x Line 28	\$3.046	357C	01
30					
31	Cable Rack (between BST & Assembly Point Frames)				
32					
33	Material Price per foot	Inputs_Investment Line 49		357C	01
34	Projected Actual Utilization	Inputs_Investment Line 50			
35	Circuit Capacity	Inputs_Investment Line 51	48,600		
36	Number Feet	Inputs_Investment Line 52	150		
37	Utilized Material Price per Circuit	(Line 33 / Line 34 / Line 35) x Line 36	\$0.206	357C	01
38					
39	Total Utilized Material Price per Circuit	Line 13 + Line 21 + Line 29 + Line 37	\$20.909	357C	01
40					
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001660

	A	B	C	D	E
1	Tennessee				
2	DS1 Cross-Connect Investment Calculations				
3	Study Period: 2000 - 2002				
4					
5					
6	Item/Description	Source	Amount	FRC	SubFRC
7	DSX-1 Panels (BST & Assembly Point)				
8					
9	Material Price	Inputs_Investment Line 56		357C	01
10	Projected Actual Utilization	Inputs_Investment Line 57			
11	Circuit Capacity	Inputs_Investment Line 58	1.000		
12	Number Required	Inputs_Investment Line 59	2		
13	Utilized Material Price per Circuit	(Line 9 / Line 10 / Line 11) x Line 12	\$28.701	357C	01
14					
15	Cable (between BST Assembly Point DSX-1 Panels)				
16					
17	Material Price per foot	Inputs_Investment Line 61		357C	01
18	Projected Actual Utilization	Inputs_Investment Line 62			
19	Number Feet	Inputs_Investment Line 63	150		
20	Circuit Capacity	Inputs_Investment Line 64	14		
21	Utilized Material Price per Circuit	Line 19 / Line 18 x Line 19 / Line 20	\$7.548	357C	01
22					
23	Cable Rack (between BST Assembly Point DSX-1 Panels)				
24					
25	Material Price per foot	Inputs_Investment Line 66		357C	01
26	Projected Actual Utilization	Inputs_Investment Line 67			
27	Number Feet	Inputs_Investment Line 68	150		
28	Circuit Capacity	Inputs_Investment Line 69	10,528		
29	Utilized Material Price per Circuit	Line 27 / Line 26 x Line 27 / Line 28	\$0.900	357C	01
30					
31	Repeater Bay (between BST & Assembly Point DSX-1 Panels)				
32					
33	Material Price	Inputs_Investment Line 71		357C	01
34	Projected Actual Utilization	Inputs_Investment Line 72			
35	Circuit Capacity	Inputs_Investment Line 73	224		
36	Utilized Material Price per Circuit	Line 33 / Line 34 / Line 35	\$5.760	357C	01
37	Repeater Shelf (between BST & Assembly Point DSX-1 Panels)				
38					
39	Material Price	Inputs_Investment Line 75		357C	01
40	Projected Actual Utilization	Inputs_Investment Line 76			
41	Circuit Capacity	Inputs_Investment Line 77	28		
42	Utilized Material Price per Circuit	Line 39 / Line 40 / Line 41	\$12.333		
43					
44	Total Utilized Material Price per Circuit	n 13 + Ln 21 + Ln 29 + Ln 36 + Ln 42	\$55.241	357C	01
45					
46	Repeater (between BST & Assembly Point DSX-1 Panels)				
47					
48	Material Price	Inputs_Investment Line 79		357C	04
49	Projected Actual Utilization	Inputs_Investment Line 80			
50	Circuit Capacity	Inputs_Investment Line 81	1		
51	Utilized Material Price per Circuit	Line 48 / Line 49 / Line 50	\$289.000	357C	04
52					

001661

	A	B	C	D	E	F	G	H	I	J	K	L
1	Tennessee											
2	Index Sheet											
3	Study Period: 2000 - 2002											
4												
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13												
14												
15												
16												
17												
18												
19												

Sheet Name:

Index

Investments

Additives_Recurring

Additives_Nonrecurring

Recurring Labor

Nonrecurring Labor

INPUT_Nonrecurring

INPUT_Investment

wp H.6.2

wp H.6.3

Description:

Physical Collocation in the RT

CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA

CALCULATOR INPUT FORM - RECURRING EXPENSES DATA

CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA

CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA

CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES

Inputs for Nonrecurring Costs

Inputs for Recurring Costs

Development of Physical Collocation Costs in the Remote Terminal (RT) per Bay / Rack:

Development of Physical Collocation Costs in the Remote Terminal - Security Access Key Costs per Key

001662

	A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA							
2								
3	Instructions:							
4	1. Use this worksheet to record nonrecurring labor times to be input into the Calculator calculations.							
5	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).							
6	3. Input data, by Cost Element, leaving no blank lines. On next row							
7	after last line of data, type END in Cost Element Column.							
8	4. All data on this form should be cell-referenced to study workpapers.							
9	5. Do NOT change columns, headings, sheet name.							
10								
11								
12								
13								
14	State	Cost Element #	FRC	Sub	FRC	Volume Sensitive \$ Amount	Volume Insensitive \$ Amount	
15	TN	H.6.2	257C	37	37	\$2,492.667		
16	TN	H.6.2	10C	00	00	\$1,910.608		
17	TN	H.6.2	4C	00	00	\$3,487.822		
18	END							

001663

	A	B	C	D	E
1	CALCULATOR INPUT FORM - RECURRING EXPENSES DATA				
2					
3	Instructions:				
4	1. Use this worksheet to record nonrecurring labor times to be input into the Calculator calculations.				
5	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).				
6	3. Input data, by Cost Element, leaving no blank lines. On next row				
7	after last line of data, type END in Cost Element Column.				
8	4. All data on this form should be cell-referenced to study workpapers.				
9	5. Do NOT change columns, headings, sheet name.				
10					
11					
12					
13					
14					
15					
16					
17	<u>State</u>	<u>Cost</u>	<u>Recurring</u>	<u>Recurring</u>	<u>Recurring</u>
18	<u>TN</u>	<u>Element #</u>	<u>Expense Description</u>	<u>Volume</u>	<u>Volume</u>
19			<u>(Limited to 25 characters)</u>	<u>Sensitive</u>	<u>Insensitive</u>
				<u>\$ Amount</u>	<u>\$ Amount</u>
	END	Maximum 10 entries per Cost Element #			

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	A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA							
2								
3	Instructions:							
4	1. Use this worksheet to record nonrecurring labor times to be input into the Calculator calculations.							
5	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).							
6	3. Input data, by Cost Element, leaving no blank lines. On next row							
7	after last line of data, type END in Cost Element Column.							
8	4. All data on this form should be cell-referenced to study workpapers.							
9	5. Do NOT change columns, headings, sheet name.							
10	6. Use column D when cost element has a single nonrecurring cost; use columns E & F for elements with a first							
11	and additional nonrecurring cost; use columns G & H for elements with an initial and subsequent nonrecurring cost.							
12								
13								
14								
15		Cost Element #	Nonrecurring Expense Description (Limited to 25 characters)	Nonrecurring First \$ Amount	Nonrecurring Additional \$ Amount	Nonrecurring Initial \$ Amount	Nonrecurring Subsequent \$ Amount	
16	State							
17	TN	H.6.3	Physical Collocation in the RT - Security Access - Key	\$24.62				
18	END		Maximum 10 entries per Cost Element #					

001665

A	B	C	D	E	F	G	H
CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA							
Instructions: 1. Use this worksheet to record nonrecurring labor times to be input into the Calculator calculations. 2. All amounts shown are per unit (e.g., per call, per loop, per MOU). 3. Input data, by Cost Element, leaving no blank lines. On next row after last line of data, type END in Cost Element Column. 4. All data on this form should be cell-referenced to study workpapers. 5. Do NOT change columns, headings, sheet name.							
	<u>State</u>	<u>Cost Element #</u>	<u>Labor Expense Description</u> (Limited to 25 characters)	<u>JFC/ Payband</u>	<u>Work Time (Hours)</u> Volume Sensitive	<u>Volume</u> Insensitive	
1	TN						
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17		END	Maximum 20 entries per Cost Element #				
18							
19							
20							
21							
22							
23							
24							
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26							
27							
28							
29							
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35							

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CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES														
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
Instructions:														
1. Use this worksheet to record nonrecurring labor times to be input into the Calculator calculations.														
2. All amounts shown are per unit (e.g., per call, per loop, per MOU).														
3. Input data by Cost Element, leaving no blank lines. On next row after last line of data, type END in Cost Element Column.														
4. All data on this form should be call-referenced to study workpapers.														
5. Do NOT change columns, headings, sheet name.														
6. Use columns F & G when cost element has a single nonrecurring cost; use columns H, I, J, & K for elements with a first and additional nonrecurring cost; use columns L, M, N & O for elements with an initial and subsequent nonrecurring cost.														
7. Input Cost Element Life (in months) on first row of data for each cost element. It is not necessary to repeat on each line.														
Study Mid-Point Date (Mos.) JUN-91														
State	Cost Element #	Cost Element Life (Mos.)	Labor Expense Description (Limited to 25 characters)	JFC/ Payband	Installation Time (Hours)	Disconnect Time (Hours)	First Installation Time (Hours)	First Disconnect Time (Hours)	Additional Installation Time (Hours)	Additional Disconnect Time (Hours)	Initial Installation Time (Hours)	Initial Disconnect Time (Hours)	Subsequent Installation Time (Hours)	Subsequent Disconnect Time (Hours)
TN	H.6.1	46	InterConnection Service Center	230X	1.0000	0.0000								
TN	H.6.1	46	Account Team Collocation Coordinator	JG58	7.0000	0.0000								
TN	H.6.1	46	Outside Plant Engineering	JG58	4.5000	0.0000								
TN	H.6.1	46	Outside Plant Engineering Clerical	WS10	0.2500	0.0000								
TN	H.6.4	0	Account Team Collocation Coordinator	JG58	0.5000	0.0000								
TN	H.6.4	0	Outside Plant Engineering	JG58	4.0000	0.0000								
TN	H.6.4	0	Outside Plant Engineering Clerical	WS10	0.2500	0.0009								
TN	H.6.5	0	Account Team Collocation Coordinator	JG58	0.5000	0.0000								
TN	H.6.5	0	Outside Plant Engineering	JG58	1.0000	0.0000								
TN	H.6.199	46	InterConnection Service Center	230X	0.0000	1.0000								
TN	H.6.199	46	Account Team Collocation Coordinator	JG58	0.0000	1.0000								
TN	H.6.199	46	Outside Plant Engineering	JG58	0.0000	3.5000								
TN	H.6.199	46	Outside Plant Engineering Clerical	WS10	0.0000	1.0000								
Maximum of 25 entries per Cost Element #														
END														

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A	B	C	D	E	F	G	H	I	J	K	L
1	Tennessee										
2	Inputs for Nonrecurring Costs										
3	Study Period: 2000 - 2002										
4	TN										
5											
6	Item / Description	JFC / JG / WS	Source	Cost Element Life (mos.)	(For use w/ one NR) Install	Disconnect	Install	Disconnect	Additional Install	Disconnect	Nonrecurring Additive
7	Element										
8	H.6 PHYSICAL COLLOCATION IN THE REMOTE TERMINAL (RT)										
9											
10											
11	Material Cost per New Key		Vendor / Contract Activity (P&SM)								
12	Postage Cost per New Key		Vendor / Contract Activity (P&SM)								
13	Annual Contract Labor Cost per Person		Vendor / Contract Activity (P&SM)								
14	Annual Contract Labor Hours per Person		Vendor / Contract Activity (P&SM)								
15											
16	Physical Collocation in the RT - Application Fee			46							
17	Network Provisioning	230X	InterConnection Service Center		1.0000	0.0000					
18	Network Provisioning	JG58	Account Team Collocation Coordinator		7.0000	0.0000					
19	Network Provisioning	JG58	Outside Plant Engineering		4.5000	0.0000					
20	Network Provisioning	WS10	Outside Plant Engineering Clerical		0.2500	0.0000					
21											
22	Physical Collocation in the RT - Security Access - Key			46							
23	New Key - Issue (hours)		Vendor / Contract Activity (P&SM)								0.2500
24	New Key - Acknowledgement (hours)		Vendor / Contract Activity (P&SM)								0.2500
25	Returned Keys - Received/Acknowledgement (hrs)		Vendor / Contract Activity (P&SM)								0.2500
26	Key - Problem Resolution (hours)		Vendor / Contract Activity (P&SM)								0.2500
27	Problem Resolution (% Occurrence)		Vendor / Contract Activity (P&SM)								20%
28											
29	Physical Collocation in the RT - Space Availability Report per premises requested			0							
30	Network Provisioning	JG58	Account Team Collocation Coordinator		0.5000	0.0000					
31	Network Provisioning	JG58	Outside Plant Engineering		4.0000	0.0000					
32	Network Provisioning	WS10	Outside Plant Engineering Clerical		0.2500	0.0000					
33											
34	Physical Collocation in the RT - Remote Site CLLI Code Request, per CLLI Code Requested			0							
35											
36	Network Provisioning	JG58	Account Team Collocation Coordinator		0.5000	0.0000					
37	Network Provisioning	JG58	Outside Plant Engineering		1.0000	0.0000					
38											
39	Physical Collocation in the RT - Application Fee - Disconnect			46							
40	Network Provisioning	230X	InterConnection Service Center		0.0000	1.0000					
41	Network Provisioning	JG58	Account Team Collocation Coordinator		0.0000	1.0000					
42	Network Provisioning	JG58	Outside Plant Engineering		0.0000	3.5000					
43	Network Provisioning	WS10	Outside Plant Engineering Clerical		0.0000	1.0000					
44											
45											

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	A	B	C	D	E	F
1	Tennessee					
2	Inputs for Recurring Costs					
3	Study Period: 2000 - 2002					
4	TN					
5						
6	Item / Description					
7	Element	Description	FRC	Sub FRC	Source	Amount
8						
9	H.6	PHYSICAL COLLOCATION IN THE REMOTE TERMINAL (RT)				
10						
11	H.6.2	Physical Collocation in the Remote Terminal (RT) per Bay / Rack:				
12						
13	H.6.2	Remote Terminal Housing - Cabinet				
14		Investment	257C	37	Network Planning & Support	
15		Projected Actual Utilization			Network Planning & Support	
16		Bay / Rack Capacity			Network Planning & Support	6
17		Number Required			Network Planning & Support	1
18		Probability of Occurrence			Network Planning & Support	33.33%
19						
20	H.6.2	Remote Terminal Housing - Hut				
21		Investment	10C	00	Network Planning & Support	
22		Projected Actual Utilization			Network Planning & Support	
23		Bay / Rack Capacity			Network Planning & Support	17
24		Number Required			Network Planning & Support	1
25		Probability of Occurrence			Network Planning & Support	33.33%
26						
27	H.6.2	Remote Terminal Housing - CEV				
28		Investment	4C	00	Network Planning & Support	
29		Projected Actual Utilization			Network Planning & Support	
30		Bay / Rack Capacity			Network Planning & Support	15
31		Number Required			Network Planning & Support	1
32		Probability of Occurrence			Network Planning & Support	33.33%
33						
34						
35						
36						
37						
38						
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40						
41						
42						
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	A	B	C	D	E
1	Tennessee				
2	Development of Physical Collocation Costs in the Remote Terminal (RT) per Bay / Rack:				
3	Study Period: 2000 - 2002				
4					
5	Element #: H.6.2				
6	Item / Description			Source	Amount
7	Description	FRC	Sub FRC		
8	Remote Terminal Housing - Cabinet				
9	Investment			INPUT_Investment Line 14	
10					
11	Projected Actual Utilization			INPUT_Investment Line 15	
12					
13	Bay / Rack Capacity			INPUT_Investment Line 16	6
14					
15	Number Required			INPUT_Investment Line 17	1
16					
17	Utilized Investment per Bay / Rack			Line 9 / Line 11 / Line 13 x Line 15	\$7,478.000
18	in the Remote Terminal Cabinet				
19					
20	Probability of Occurrence			INPUT_Investment Line 18	33.33%
21					
22	Utilized Investment per Bay / Rack				
23	in the Remote Terminal Cabinet	257C	37	Line 17 x Line 20	\$2,492.667
24					
25	Remote Terminal Housing - Hut				
26	Investment			INPUT_Investment Line 21	
27					
28	Projected Actual Utilization			INPUT_Investment Line 22	
29					
30	Bay / Rack Capacity			INPUT_Investment Line 23	17
31					
32	Number Required			INPUT_Investment Line 24	1
33					
34	Utilized Investment per Bay / Rack			Line 26 / Line 28 / Line 30 x Line 32	\$5,731.824
35	in the Remote Terminal Hut				
36					
37	Probability of Occurrence			INPUT_Investment Line 25	33.33%
38					
39	Utilized Investment per Bay / Rack				
40	in the Remote Terminal Hut	10C	00	Line 34 x Line 37	\$1,910.608
41					
42	Remote Terminal Housing - CEV				
43	Investment			INPUT_Investment Line 28	
44					
45	Projected Actual Utilization			INPUT_Investment Line 29	
46					
47	Bay / Rack Capacity			INPUT_Investment Line 30	15
48					
49	Number Required			INPUT_Investment Line 31	1
50					
51	Utilized Investment per Bay / Rack			Line 43 / Line 45 / Line 47 x Line 49	\$10,463.467
52	in the Remote Terminal CEV				
53					
54	Probability of Occurrence			INPUT_Investment Line 32	33.33%
55					
56	Utilized Investment per Bay / Rack				
57	in the Remote Terminal CEV	4C	00	Line 51 x Line 54	\$3,487.822
58					
59					
60					

001670

	A	B	C	D	E
1	Tennessee				
2	Development of Physical Collocation Costs in the Remote Terminal - Security Access Key Costs per Key				
3	Study Period: 2000 - 2002				
4					
5	Element #: H.6.3				
6	Item / Description			Source	Amount
7	Description	FRC	Sub FRC		
8	Physical Collocation in the RT - Security Access - Key				
9					
10	Material Cost per New Key			INPUT_Nonrecurring Line 11	
11					
12	Postage Cost per New Key			INPUT_Nonrecurring Line 12	
13					
14	Annual Contract Labor Cost per Person			INPUT_Nonrecurring Line 13	
15					
16	Annual Contract Labor Hours per Person			INPUT_Nonrecurring Line 14	
17					
18	Contract Labor Cost per Hour			Line 14 / Line 16	\$22.69
19					
20	New Key - Issue (hours)			INPUT_Nonrecurring Line 23	0.25
21					
22	New Key - Acknowledgement (hours)			INPUT_Nonrecurring Line 24	0.25
23					
24	Returned Keys - Received/Acknowledgement (hrs)			INPUT_Nonrecurring Line 25	0.25
25					
26	Key - Problem Resolution (hours)			INPUT_Nonrecurring Line 26	0.25
27					
28	Problem Resolution (% Occurrence)			INPUT_Nonrecurring Line 27	20%
29					
30	Key Problem Resolution (hours)			Line 26 x Line 28	0.05
31					
32	Total Contract Labor Time - Key (hours)			Sum(Ln20, Ln22, Ln24, Ln30)	0.80
33					
34	Total Contract Labor Cost - Key			Line 18 x Line 32	\$18.15
35					
36	Total Cost - Key			Sum(Ln10, Ln12, Ln34)	\$24.62
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					
51					
52					
53					
54					
55					
56					
57					
58					
59					
60					

001671

DARK FIBER LOCAL LOOP

BellSouth Telecommunications, Inc.

	A	B	C	D	E	F	G	H	I	J	K
1	Tennessee										
2	Index Sheet										
3	Study Period: 01/2000 - 12/2002										
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											

Description:

DARK FIBER LOCAL LOOP

CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA

CALCULATOR INPUT FORM - RECURRING EXPENSES DATA

CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA

CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA

CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES

Loop Dark Fiber

Loop Dark Fiber

SUMMARY

DESIGN 1

Sheet Name:

Index

Investments

Additives_Recurring

Additives_Nonrecurring

Recurring Labor

Nonrecurring Labor

INPUT

INPUTS_NRC

WP200

WP300

001672

	A	B	C	D	E	F	G	H	I	J
1	CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA									
2										
3	Instructions:									
4	1. Use this worksheet to record material and/or investments to be input into the									
5	Calculator calculations.									
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).									
7	3. Input data, by Cost Element, leaving no blank lines. On next row									
8	after last line of data, type END in Cost Element Column.									
9	4. All data on this form should be cell-referenced to study workpapers.									
10	5. Do NOT change columns, headings, sheet name.									
11										
12										
13										
14	State	Cost	Element #	FRC	Sub	FRC	Volume Sensitive \$ Amount	Volume Insensitive \$ Amount		
15	TN	J.1.2	357C	03			\$ 366.3912			
16	TN	J.1.2	822C	00			\$ 210.4776			
17	TN	J.1.2	845C	00			\$ 57.7260			
18	TN	J.1.2	85C	00			\$ 175.8420			
19			END							

001673

	A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - RECURRING EXPENSES DATA							
2								
3	Instructions:							
4	1. Use this worksheet to record recurring non-labor expenses to be input into the							
5	Calculator calculations.							
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).							
7	3. Input data, by Cost Element, leaving no blank lines. On next row							
8	after last line of data, type END in Cost Element Column.							
9	4. All data on this form should be cell-referenced to study workpapers.							
10	5. Do NOT change columns, headings, sheet name.							
11								
12								
13								
14								
15								
16								
17	<u>State</u>	<u>Cost</u>	<u>Recurring</u>	<u>Recurring</u>	<u>Recurring</u>			
18		<u>Element #</u>	<u>Expense Description</u>	<u>Volume</u>	<u>Volume</u>			
19			<u>(Limited to 25 characters)</u>	<u>Sensitive</u>	<u>Insensitive</u>			
20				<u>\$ Amount</u>	<u>\$ Amount</u>			
21								
22								
23								
24								
25								
26								
27								
28	Maximum 10 entries per Cost Element #							
29								
30								

001674

A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA						
2							
3	Instructions:						
4	1. Use this worksheet to record nonrecurring non-labor expenses to be input into the Calculator calculations.						
5	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
6	3. Input data, by Cost Element, leaving no blank lines. On next row						
7	after last line of data, type END in Cost Element Column.						
8	4. All data on this form should be cell-referenced to study workpapers.						
9	5. Do NOT change columns, headings, sheet name.						
10	6. Use column D when cost element has a single nonrecurring cost; use columns E & F for elements with a first						
11	and additional nonrecurring cost; use columns G & H for elements with an initial and subsequent nonrecurring cost.						
12							
13							
14							
15	<u>Cost</u>	<u>Nonrecurring</u>	<u>Nonrecurring</u>	<u>Nonrecurring</u>	<u>Nonrecurring</u>	<u>Nonrecurring</u>	<u>Nonrecurring</u>
16	<u>Element #</u>	<u>Expense Description</u>	<u>First</u>	<u>Additional</u>	<u>Initial</u>	<u>Subsequent</u>	<u>\$ Amount</u>
17		<u>(Limited to 25 characters)</u>	<u>\$ Amount</u>	<u>\$ Amount</u>	<u>\$ Amount</u>	<u>\$ Amount</u>	<u>\$ Amount</u>
18							
19							
20							
21							
22							
23							
24							
25							
26							
27	Maximum 10 entries per Cost Element #						
28							
29							
30							

001675

	A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA							
2								
3	Instructions:							
4	1. Use this worksheet to record recurring expensed labor times to be input into the							
5	Calculator calculations.							
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).							
7	3. Input data, by Cost Element, leaving no blank lines. On next row							
8	after last line of data, type END in Cost Element Column.							
9	4. All data on this form should be cell-referenced to study workpapers.							
10	5. Do NOT change columns, headings, sheet name.							
11								
12								
13								
14	<u>State</u>	<u>Cost</u>	<u>Labor Expense Description</u>	<u>JFC/</u>	<u>Work Time (Hours)</u>	<u>Volume</u>	<u>Volume</u>	
15		<u>Element #</u>	<u>(Limited to 25 characters)</u>	<u>Payband</u>	<u>Sensitive</u>	<u>Insensitive</u>		
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								
38								

Maximum 20 entries per Cost Element #

001676

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES													
2	Instructions:													
3	1. Use this worksheet to record nonrecurring labor times to be input into the Calculator calculations.													
4	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).													
5	3. Input data, by Cost Element, leaving no blank lines. On next row													
6	after last line of data, type END in Cost Element Column.													
7	4. All data on this form should be cell-referenced to study worksheets.													
8	5. Do NOT change columns, headings, sheet name.													
9	6. Use columns F & G when cost element has a single nonrecurring cost; use columns H, I, J, & K for elements with a first													
10	and additional nonrecurring cost; use columns L, M, & O for elements with an initial and subsequent nonrecurring cost.													
11	7. Input Cost Element Life (in months) on first row of data for each cost element. It is not necessary to repeat on each line.													
12														
13														
14														
15	Study Mid-Point Date (Mos.)													
16	6/1/2001													
17														
18														
19														
20	State	Cost	Cost	Labor Expense Description	JFC/	(For use w/ one NR)	First	First	Additional	Additional	Initial	Initial	Subsequent	Subsequent
21	J1.2	52	Life (Mo)	(Limited to 25 characters)	Payband	Installation Time (Hours)	Disconnect Time (Hours)	Installation Time (Hours)	Installation Time (Hours)	Disconnect Time (Hours)	Installation Time (Hours)	Disconnect Time (Hours)	Installation Time (Hours)	Disconnect Time (Hours)
22	TN	52	Connect	411X	0.8734	0.0000	0.0000	0.5280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
23	TN	52	Connect	431X	1.2000	0.0000	0.0000	1.2000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
24	TN	52	Connect	411X	0.2925	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25	TN	52	Test	411X	1.3101	0.0000	0.0000	0.7920	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
26	TN	52	Test	431X	1.8000	0.0000	0.0000	1.8000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
27	TN	52	Test	411X	0.4388	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28	TN	52	Service Order	431X	0.7763	0.0000	0.0000	0.1626	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
29	TN	52	Service Order	431X	1.0763	0.0000	0.0000	0.3486	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30	TN	52	Service Order	230X	2.2771	0.0000	0.0000	0.1666	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
31	TN	52	Engineering	4N4X	0.5000	0.0000	0.0000	0.1666	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
32	TN	52	Engineering	32XX	5.0000	0.0000	0.0000	0.5000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
33	TN	52	Engineering	34XX	5.0000	0.0000	0.0000	0.5000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
34	TN	52	Service Inquiry	SDWC	1.8600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35	TN	52	Service Inquiry	32XX	3.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
36	TN	52	Service Inquiry	34XX	3.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
37	TN	52	Connect	411X	0.9236	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
38	TN	52	Connect	431X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
39	TN	52	Service Order	431X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40	TN	52	Service Order	4AXX	0.4573	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
41	TN	52	Service Order	230X	0.7851	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
42	TN	52	Service Order	4N4X	0.2250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
43	TN	52	Engineering	32XX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
44	TN	52	Engineering	34XX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
45	TN	52	Service Inquiry	SDWC	1.4100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
46	END													
47														
48														
49														
50	Maximum of 25 entries per Cost Element #													

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DARK FIBER LOCAL LOOP

BellSouth Telecommunications, Inc.

A			B	C	D	E	F
1	Tennessee						
2	Loop Dark Fiber						
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: J.1.2						
6	Item/Description						
7	Description	FRC	SubFRC	Source	Amount	Design 1	
8	Fiber Jumper	357C	03	SONET Price Calculator	\$ 30.0000	4	
9	LGX	357C	03	SONET Price Calculator	\$ 36.5000	4	
10	LTIE-Customer Location	357C	03	SONET Price Calculator	\$ 133.0000	1	
11							
12	Aerial Fiber - Per Weighted Fiber Mile	822C	00	SONET Price Calculator	\$ 52.6194		
13	Buried Fiber - Per Weighted Fiber Mile	845C	00	SONET Price Calculator	\$ 14.4315		
14	UG Fiber - Per Weighted Fiber Mile	85C	00	SONET Price Calculator	\$ 43.9605		
15							
16	Number of Fibers Required			Network		4	
17							
18	Route Miles Per Design			Network		1.089	

001678

A		B	C	D	E	F	G	H
1	Tennessee							
2	Loop Dark Fiber							
3	Study Period: 01/2000 - 12/2002							
4								
5	Element #: J.1.2							
6	Item/Description							
7	Work Group	Description	JFC/JG/WS	Source	First Install Time Hrs	First Disconnect Time Hrs	Additional Install Time Hrs	Additional Disconnect Time Hrs
8	INSTALL & MTCE - SPEC SVCS (SSIM)	Connect	411X	Network	0.8734	0.9236	0.5280	0.1451
9	CO INSTALL & MTCE CKT & FAC (NTEL)	Connect	431X	Network	1.2000	2.0000	1.2000	2.0000
10	INSTALL & MTCE - SPEC SVCS TRAVEL (SSIM)	Connect	411X	Network	0.2925	0.7313	0.0000	0.0000
11	INSTALL & MTCE - SPEC SVCS (SSIM)	Test	411X	Network	1.3101	0.0000	0.7920	0.0000
12	CO INSTALL & MTCE CKT & FAC (NTEL)	Test	431X	Network	1.8000	0.0000	1.8000	0.0000
13	INSTALL & MTCE - SPEC SVCS TRAVEL (SSIM)	Test	411X	Network	0.4388	0.0000	0.0000	0.0000
14	CO INSTALL & MTCE CKT & FAC (NTEL)	Service Order	431X	Network	0.7763	0.4573	0.1626	0.0875
15	ACCESS CUSTOMER ADVOCATE CENTER (UNEC)	Service Order	4AXX	Network	1.0763	0.7851	0.3486	0.3486
16	CUSTOMER POINT OF CONTACT (LCSC)	Service Order	230X	Network	2.2771	0.2500	0.1666	0.0333
17	CIRCUIT PROVISIONING GROUP (CPG)	Engineering	4N4X	Network	0.5000	0.2250	0.1666	0.0213
18	OUTSIDE PLANT ENGINEERING (FG30)	Engineering	32XX	Network	5.0000	2.0000	0.5000	2.0000
19	NETWORK & ENGINEERING PLANNING (FG20)	Engineering	34XX	Network	5.0000	2.0000	0.5000	2.0000
20	COMPLEX RESALE SUPPORT GROUP (CRSG)	Service Inquiry	SDWC	Network	1.8600	1.4100	0.0000	0.0000
21	OUTSIDE PLANT ENGINEERING (FG30)	Service Inquiry	32XX	Network	3.0000	0.0000	0.0000	0.0000
22	CIRCUIT CAPACITY MANAGEMENT (CCM)	Service Inquiry	34XX	Network	3.0000	0.0000	0.0000	0.0000
23								
24	Cost element Life (Months) =	52		LocLife.xls				
25								
26	Note: All Dark Fiber LCSC work times are manual							
27								
28								
29								
30								

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	A	B	C	D	E
1	Tennessee				
2	Interoffice Dedicated Transport				
3	Study Period: 01/2000 - 12/2002				
4					
5	Element #: J.1.2				
6					
7	Facility Terminations Weighted Material (Per Route Mile)				
8					
9		FRC	Sub FRC		
10		357C	03		
11					
12	Design 1	\$	366.3912		Wp 300, Col G, Ln 31
13					
14	Total Weighted 357C Facility Terminations				
15	Per Route Mile	\$	366.3912		Ln 12
16					
17					
18					
19					
20	4 Fiber Strands Per Route Mile - Weighted Material				
21					
22		822C	845C	85C	
23		Sub FRC 00	Sub FRC 00	Sub FRC 00	
24					
25	Design 1	\$	210.4776	\$ 57.7260	\$ 175.8420 Wp 300, Col G, Ln 32, Ln33, Ln34
26					
27					
28	Total Weighted Fiber (Material by FRC)	\$	210.4776	\$ 57.7260	\$ 175.8420 Ln 25
29					
30					
31					

001680

	A	B	C	D	E	F	G
1	Tennessee						
2	Interoffice Dedicated Transport			Design 1 - One Loop			
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: J.1.2						
6	Item/Description			Network No		(E)*(F)	
7	Description	FRC	SubFRC	Source	Requested	Amount	Total Mat
8	Fiber Jumper	357C	03	Input Sheet Ln 8	4	\$ 30.0000	\$ 120.0000
9							
10	LGX	357C	03	Input Sheet Ln 9	4	\$ 36.5000	\$ 146.0000
11							
12	LTIE-Customer Location	357C	03	Input Sheet Ln 10	1	\$ 133.0000	\$ 133.0000
13							
14							
15	Aerial Fiber - Per Weighted Fiber Mile	822C	00	Input Sheet Ln 12	4	\$ 52.6194	\$ 210.4776
16							
17	Buried Fiber - Per Weighted Fiber Mile	845C	00	Input Sheet Ln 13	4	\$ 14.4315	\$ 57.7260
18							
19	UG Fiber - Per Weighted Fiber Mile	85C	00	Input Sheet Ln 14	4	\$ 43.9605	\$ 175.8420
20							
21							
22	Total Material by FRC	357C	03	Col G, Ln 8+Ln 10+Ln 12			\$ 399.0000
23		822C	00	Col G, Ln 15			\$ 210.4776
24		845C	00	Col G, Ln 17			\$ 57.7260
25		85C	00	Col G, Ln 19			\$ 175.8420
26							
27							
28							
29	Average Route Miles			Input Sheet Ln 18		1.0890	
30							
31	Total Weighted Material	357C	03	Col G, Ln 22 / Col F, Ln 29			\$ 366.3912
32	(by FRC by Route Mile)	822C	00	Col G, Ln 23			\$ 210.4776
33		845C	00	Col G, Ln 24			\$ 57.7260
34		85C	00	Col G, Ln 25			\$ 175.8420

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DARK FIBER IOF

BellSouth Telecommunications, Inc.

	A	B	C	D	E	F	G	H	I	J	K
1	Tennessee										
2	Index Sheet										
3	Study Period: 01/2000 - 12/2002										
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											

Sheet Name:
Index
Investments
Additives_Recurring
Additives_Nonrecurring
Recurring Labor
Nonrecurring Labor
INPUT
INPUTS_NRC
WP200
WP300

Description:
DARK FIBER IOF
CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA
CALCULATOR INPUT FORM - RECURRING EXPENSES DATA
CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA
CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA
CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES
Interoffice Dark Fiber
Interoffice Dark Fiber
SUMMARY
DESIGN 1

001682

DARK FIBER IOF

BellSouth Telecommunications, Inc.

	A	B	C	D	E	F	G	H	I	J
1	CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA									
2										
3	Instructions:									
4	1. Use this worksheet to record material and/or investments to be input into the									
5	Calculator calculations.									
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).									
7	3. Input data, by Cost Element, leaving no blank lines. On next row									
8	after last line of data, type END in Cost Element Column.									
9	4. All data on this form should be cell-referenced to study workpapers.									
10	5. Do NOT change columns, headings, sheet name.									
11										
12										
13										
14	<u>State</u>	<u>Cost</u>	<u>Element #</u>	<u>FRC</u>	<u>Sub</u>	<u>FRC</u>	<u>Volume</u>	<u>Volume</u>	<u>Insensitive</u>	<u>\$ Amount</u>
15	TN	J.1.3	357C	03			\$	46.1654		
16	TN	J.1.3	822C	00			\$	210.4776		
17	TN	J.1.3	845C	00			\$	57.7260		
18	TN	J.1.3	85C	00			\$	175.8420		
19	END									

001683

DARK FIBER IOF

BellSouth Telecommunications, Inc.

A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - RECURRING EXPENSES DATA						
2	Instructions:						
3	1. Use this worksheet to record recurring non-labor expenses to be input into the						
4	Calculator calculations.						
5	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
6	3. Input data, by Cost Element, leaving no blank lines. On next row						
7	after last line of data, type END in Cost Element Column.						
8	4. All data on this form should be cell-referenced to study workpapers.						
9	5. Do NOT change columns, headings, sheet name.						
10							
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001684

A	B	C	D	E	F	G	H
CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA							
1	Instructions:						
2	1. Use this worksheet to record nonrecurring non-labor expenses to be input into the Calculator calculations.						
3	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
4	3. Input data, by Cost Element, leaving no blank lines. On next row						
5	after last line of data, type END in Cost Element Column.						
6	4. All data on this form should be cell-referenced to study workpapers.						
7	5. Do NOT change columns, headings, sheet name.						
8	6. Use column D when cost element has a single nonrecurring cost; use columns E & F for elements with a first						
9	and additional nonrecurring cost; use columns G & H for elements with an initial and subsequent nonrecurring cost.						
10							
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28							
29							
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001685

DARK FIBER IOF

BellSouth Telecommunications, Inc.

A	B	C	D	E	F	G	H
CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA							
1	Instructions: 1. Use this worksheet to record recurring expensed labor times to be input into the Calculator calculations. 2. All amounts shown are per unit (e.g., per call, per loop, per MOU). 3. Input data, by Cost Element, leaving no blank lines. On next row after last line of data, type END in Cost Element Column. 4. All data on this form should be cell-referenced to study workpapers. 5. Do NOT change columns, headings, sheet name.						
2							
3							
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35							
36							
37							
38							
Maximum 20 entries per Cost Element #							

001686

DARK FIBER IOF

BellSouth Telecommunications, Inc.

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES															
1	Instructions:														
2	1. Use this worksheet to record nonrecurring labor times to be input into the Calculator calculations.														
3	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).														
4	3. Input data, by Cost Element, leaving no blank lines. On next row														
5	after last line of data, type END in Cost Element Column.														
6	4. All data on this form should be cell-referenced to study workpapers.														
7	5. Do NOT change columns, headings, sheet name.														
8	6. Use columns F & G when cost element has a single nonrecurring cost; use columns H, I, J, & K for elements with a first														
9	and additional nonrecurring cost; use columns L, M, & O for elements with an initial and subsequent nonrecurring cost.														
10	7. Input Cost Element Life (in months) on first row of data for each cost element. It is not necessary to repeat on each line.														
11															
12															
13															
14															
15	Study Mid-Point Date (Mos.) 6/1/2001														
16															
17															
18															
19															
20	State	Cost Element #	Cost Element Life (Mo)	Labor Expense Description (Limited to 25 characters)	JFC/ Payband	(For use w/ one NR) Installation Time (Hours)	Disconnect Time (Hours)	First Installation Time (Hours)	First Disconnect Time (Hours)	Additional Installation Time (Hours)	Additional Disconnect Time (Hours)	Initial Installation Time (Hours)	Initial Disconnect Time (Hours)	Subsequent Installation Time (Hours)	Subsequent Disconnect Time (Hours)
21	TN	J.1.3	52	Connect	411X	0.8734	0.0000	0.8734	0.0000	0.5280	0.0000	0.0000	0.0000		
22	TN	J.1.3	52	Connect	431X	1.2000	0.0000	1.2000	0.0000	1.2000	0.0000	0.0000	0.0000		
23	TN	J.1.3	52	Connect	411X	0.2925	0.0000	0.2925	0.0000	0.0000	0.0000	0.0000	0.0000		
24	TN	J.1.398	52	Test	411X	1.3101	0.0000	1.3101	0.0000	0.7920	0.0000	0.0000	0.0000		
25	TN	J.1.398	52	Test	431X	1.8000	0.0000	1.8000	0.0000	1.8000	0.0000	0.0000	0.0000		
26	TN	J.1.398	52	Test	411X	0.4388	0.0000	0.4388	0.0000	0.0000	0.0000	0.0000	0.0000		
27	TN	J.1.3	52	Service Order	431X	0.7763	0.0000	0.7763	0.0000	0.1626	0.0000	0.1626	0.0000		
28	TN	J.1.3	52	Service Order	4AXX	1.0763	0.0000	1.0763	0.0000	0.3486	0.0000	0.3486	0.0000		
29	TN	J.1.3	52	Service Order	230X	2.2771	0.0000	2.2771	0.0000	0.1666	0.0000	0.1666	0.0000		
30	TN	J.1.3	52	Engineering	4N4X	5.0000	0.0000	5.0000	0.0000	0.5000	0.0000	0.5000	0.0000		
31	TN	J.1.3	52	Engineering	32XX	5.0000	0.0000	5.0000	0.0000	0.5000	0.0000	0.5000	0.0000		
32	TN	J.1.3	52	Engineering	34XX	1.8600	0.0000	1.8600	0.0000	0.0000	0.0000	0.0000	0.0000		
33	TN	J.1.3	52	Service Inquiry	SDWC	3.0000	0.0000	3.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
34	TN	J.1.3	52	Service Inquiry	32XX	3.0000	0.0000	3.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
35	TN	J.1.3	52	Service Inquiry	34XX	3.0000	0.0000	3.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
36	TN	J.1.398	52	Connect	411X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
37	TN	J.1.398	52	Connect	431X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
38	TN	J.1.398	52	Connect	411X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
39	TN	J.1.398	52	Service Order	431X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
40	TN	J.1.398	52	Service Order	4AXX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
41	TN	J.1.398	52	Service Order	230X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
42	TN	J.1.398	52	Engineering	4N4X	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
43	TN	J.1.398	52	Engineering	32XX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
44	TN	J.1.398	52	Engineering	34XX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
45	TN	J.1.398	52	Service Inquiry	SDWC	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
46	END														
47															
48															
49															
50															

Maximum of 25 entries per Cost Element #

001687

DARK FIBER IOF

BellSouth Telecommunications, Inc.

A		B	C	D	E	F
1	Tennessee					
2	Interoffice Dark Fiber					
3	Study Period: 01/2000 - 12/2002					
4						
5	Element #: J.1.3					
6	Item/Description	FRC	SubFRC	Source	Amount	Design 1
7	Description					
8	Fiber Jumper	357C	03	SONET Price Calculator	\$ 30.0000	8
9	LGX	357C	03	SONET Price Calculator	\$ 36.5000	8
10						
11						
12	Aerial Fiber - Per Weighted Fiber Mile	822C	00	SONET Price Calculator	\$ 52.6194	
13	Buried Fiber - Per Weighted Fiber Mile	845C	00	SONET Price Calculator	\$ 14.4315	
14	UG Fiber - Per Weighted Fiber Mile	85C	00	SONET Price Calculator	\$ 43.9605	
15						
16	Number of Fibers Required			Network		4
17						
18	Route Miles Per Design			Network		11.52379

001688

A		B	C	D	E	F	G	H
1	Tennessee							
2	Interoffice Dark Fiber							
3	Study Period: 01/2000 - 12/2002							
4								
5	Element # J.1.3							
6	Item/Description							
7	Work Group	Description	JFC/JGWS	Source	First Install Time Hrs	First Disconnect Time Hrs	Additional Install Time Hrs	Additional Disconnect Time Hrs
8	INSTALL & MTCE - SPEC SVCS (SSIM)	Connect	411X	Network	0.8734	0.9236	0.5280	0.1451
9	CO INSTALL & MTCE CKT & FAC (NTEL)	Connect	431X	Network	1.2000	2.0000	1.2000	2.0000
10	INSTALL & MTCE - SPEC SVCS TRAVEL (SSIM)	Connect	411X	Network	0.2925	0.7313	0.0000	0.0000
11	INSTALL & MTCE - SPEC SVCS (SSIM)	Test	411X	Network	1.3101	0.0000	0.7920	0.0000
12	CO INSTALL & MTCE CKT & FAC (NTEL)	Test	431X	Network	1.8000	0.0000	1.8000	0.0000
13	INSTALL & MTCE - SPEC SVCS TRAVEL (SSIM)	Test	411X	Network	0.4388	0.0000	0.0000	0.0000
14	CO INSTALL & MTCE CKT & FAC (NTEL)	Service Order	431X	Network	0.7763	0.4573	0.1626	0.0875
15	ACCESS CUSTOMER ADVOCATE CENTER (UNEC)	Service Order	4AXX	Network	1.0763	0.7851	0.3486	0.3486
16	CUSTOMER POINT OF CONTACT (LCSC)	Service Order	230X	Network	2.2771	0.2500	0.1666	0.0333
17	CIRCUIT PROVISIONING GROUP (CPG)	Engineering	4N4X	Network	0.5000	0.2250	0.1666	0.0213
18	OUTSIDE PLANT ENGINEERING (FG30)	Engineering	32XX	Network	5.0000	2.0000	0.5000	2.0000
19	NETWORK & ENGINEERING PLANNING (FG20)	Engineering	34XX	Network	5.0000	2.0000	0.5000	2.0000
20	COMPLEX RESALE SUPPORT GROUP (CRSG)	Service Inquiry	SDWC	Network	1.8600	1.4100	0.0000	0.0000
21	OUTSIDE PLANT ENGINEERING (FG30)	Service Inquiry	32XX	Network	3.0000	0.0000	0.0000	0.0000
22	CIRCUIT CAPACITY MANAGEMENT (CCM)	Service Inquiry	34XX	Network	3.0000	0.0000	0.0000	0.0000
23								
24	Cost element Life (Months) =	52		LoLife.xls				
25								
26	Note: All Dark Fiber LCSC work times are manual							

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	A	B	C	D	E
1	Tennessee				
2	Interoffice Dedicated Transport				
3	Study Period: 01/2000 - 12/2002				
4					
5	Element #: J.1.3				
6					
7	Facility Terminations Weighted Material (Per Route Mile)				
8					
9		FRC	Sub FRC		
10		357C	03		
11					
12	Design 1	\$	46.1654		Wp 300, Col G, Ln 31
13					
14	Total Weighted 357C Facility Terminations				
15	Per Route Mile	\$	46.1654		Ln 12
16					
17					
18					
19					
20	4 Fiber Strands Per Route Mile - Weighted Material				
21					
22		822C	845C	85C	
23		Sub FRC 00	Sub FRC 00	Sub FRC 00	
24					
25	Design 1	\$	210.4776	\$ 57.7260	\$ 175.8420 Wp 300, Col G, Ln 32, Ln33, Ln34
26					
27					
28	Total Weighted Fiber (Material by FRC)	\$	210.4776	\$ 57.7260	\$ 175.8420 Ln 25
29					
30					
31					

001690

	A	B	C	D	E	F	G
1	Tennessee						
2	Interoffice Dedicated Transport			Design 1 - One Interoffice			
3	Study Period: 01/2000 - 12/2002						
4							
5	Element #: J.1.3						
6	Item/Description	FRC	SubFRC	Source	Network No Requested	Amount	(E)*(F) Total Mat
7	Description						
8	Fiber Jumper	357C	03	Input Sheet Ln 8	8	\$ 30.0000	\$ 240.0000
9							
10	LGX	357C	03	Input Sheet Ln 9	8	\$ 36.5000	\$ 292.0000
11							
12							
13							
14							
15	Aerial Fiber - Per Weighted Fiber Mile	822C	00	Input Sheet Ln 12	4	\$ 52.6194	\$ 210.4776
16							
17	Buried Fiber - Per Weighted Fiber Mile	845C	00	Input Sheet Ln 13	4	\$ 14.4315	\$ 57.7260
18							
19	UG Fiber - Per Weighted Fiber Mile	85C	00	Input Sheet Ln 14	4	\$ 43.9605	\$ 175.8420
20							
21							
22	Total Material by FRC	357C	03	Col G, Ln 8+Ln 10			\$ 532.0000
23		822C	00	Col G, Ln 15			\$ 210.4776
24		845C	00	Col G, Ln 17			\$ 57.7260
25		85C	00	Col G, Ln 19			\$ 175.8420
26							
27							
28							
29	Average Route Miles			Input Sheet Ln 18		11.5238	
30							
31	Total Weighted Material	357C	03	Col G, Ln22 / Col.F, Ln29			\$ 46.1654
32	(by FRC by Route Mile)	822C	00	Col G, Ln 23			\$ 210.4776
33		845C	00	Col G, Ln 24			\$ 57.7260
34		85C	00	Col G, Ln 25			\$ 175.8420

001691

MECHANIZED LOOP MAKEUP
COST STUDY

BellSouth Telecommunications, Inc.

	A	B	C	D	E	F	G	H	I	J	K
1	Tennessee										
2	Index Sheet										
3	Study Period: 2000 - 2002										
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											

J.3.1

Description:

MECHANIZED LOOP MAKEUP - COST STUDY

CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA

CALCULATOR INPUT FORM - RECURRING EXPENSES DATA

CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA

CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA

CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES

MECHANIZED LOOP MAKEUP - INPUT SHEET

MECHANIZED LOOP MAKEUP - INVESTMENT

MECHANIZED LOOP MAKEUP - LABOR

MECHANIZED LOOP MAKEUP - ADDITIVES

Element #:

Sheet Name:

Index

Investments

Additives Recurring

Additives Nonrecurring

Recurring Labor

Nonrecurring Labor

INPUT

WP1

WP2

WP3

001692

MECHANIZED LOOP MAKEUP
COST STUDY

BellSouth Telecommunications, Inc.

A	B	C	D	E	F	G	H	I	J
1	CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA								
2									
3	Instructions:								
4	1. Use this worksheet to record material and/or investments to be input into the								
5	Calculator calculations.								
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).								
7	3. Input data, by Cost Element, leaving no blank lines. On next row								
8	after last line of data, type END in Cost Element Column.								
9	4. All data on this form should be cell-referenced to study workpapers.								
10	5. Do NOT change columns, headings, sheet name.								
11									
12									
13									
14	State	Cost	Sub	Volume	Volume				
15	TN	Element #	FRC	Sensitive	Insensitive				
16	TN	J.3.1	\$ Amount	\$ Amount	\$ Amount				
17	TN	530C	00	0.0519654	0.0023858				
18		J.3.1	00	1.3589500					
19		460C	00						
20		END							
21									
22									
23									
24									
25									

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MECHANIZED LOOP MAKEUP
 COST STUDY

BellSouth Telecommunications, Inc.

A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - RECURRING EXPENSES DATA						
2							
3	Instructions:						
4	1. Use this worksheet to record recurring non-labor expenses to be input into the						
5	Calculator calculations.						
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
7	3. Input data, by Cost Element, leaving no blank lines. On next row						
8	after last line of data, type END in Cost Element Column.						
9	4. All data on this form should be cell-referenced to study workpapers.						
10	5. Do NOT change columns, headings, sheet name.						
11							
12							
13							
14							
15							
16							
17	State	Cost	Recurring	Recurring			
18	TN	Element #	Expense Description	Volume	Volume		
19	TN	J.3.1	(Limited to 25 characters)	Sensitive	Insensitive		
20	TN	J.3.1	Telcordia Application SW & Data Comm/Loop	\$ Amount	\$ Amount		
21		J.3.1	HW Operations and Mtce. Expense/Loop	0.0129124	0.0639313		
22		END	Andersen Consulting Support/Loop		0.1464178		
23							
24							
25							
26							
27							
28							
29							
30							
			Maximum 10 entries per Cost Element #				

001694

MECHANIZED LOOP MAKEUP
 COST STUDY

BellSouth Telecommunications, Inc.

A	B	C	D	E	F	G	H
CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA							
1	Instructions:						
2	1. Use this worksheet to record nonrecurring non-labor expenses to be input into the Calculator calculations.						
3	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
4	3. Input data, by Cost Element, leaving no blank lines. On next row						
5	after last line of data, type END in Cost Element Column.						
6	4. All data on this form should be cell-referenced to study workpapers.						
7	5. Do NOT change columns, headings, sheet name.						
8	6. Use column D when cost element has a single nonrecurring cost; use columns E & F for elements with a first						
9	and additional nonrecurring cost; use columns G & H for elements with an initial and subsequent nonrecurring cost.						
10							
11							
12							
13							
14							
15							
16	State	Cost	Nonrecurring	Nonrecurring	Nonrecurring	Nonrecurring	Nonrecurring
17	TN	Element #	Expense Description	First	Additional	Initial	Subsequent
18			(Limited to 25 characters)	\$ Amount	\$ Amount	\$ Amount	\$ Amount
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

001695

MECHANIZED LOOP MAKEUP
COST STUDY

BellSouth Telecommunications, Inc.

	A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA							
2								
3	Instructions:							
4	1. Use this worksheet to record recurring expensed labor times to be input into the							
5	Calculator calculations.							
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).							
7	3. Input data, by Cost Element, leaving no blank lines. On next row							
8	after last line of data, type END in Cost Element Column.							
9	4. All data on this form should be cell-referenced to study workpapers.							
10	5. Do NOT change columns, headings, sheet name.							
11								
12								
13								
14		Cost	Labor Expense Description	JFC/	Volume	Volume		
15	State	Element #	(Limited to 25 characters)	Payband	Sensitive	Insensitive		
16	TN	J.3.1	BTSI Labor Hrs./Loop	JG59		0.0001950		
17		END						
18								
19								
20								
21								
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23								
24								
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27								
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29								
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31								
32								
33								
34								
35								
36								
37								
38								

Maximum 20 entries per Cost Element #

001696

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES													
2	Instructions:													
3	1. Use this worksheet to record nonrecurring labor times to be input into the Calculator calculations.													
4	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).													
5	3. Input data by Cost Element, leaving no blank lines. On next row													
6	after last line of data, type END in Cost Element Column.													
7	4. All data on this form should be call-referenced to study workpapers.													
8	5. Do NOT change columns, headings, sheet name.													
9	6. Use columns F & G when cost element has a single nonrecurring cost; use columns H, I, J, & K for elements with a first													
10	and additional nonrecurring cost; use columns L, M, N & O for elements with an initial and subsequent nonrecurring cost.													
11	7. Input Cost Element Life (in months) on first row of data for each cost element. It is not necessary to repeat on each line.													
12														
13														
14														
15	Study Mid-Point Date (Mos.)		6/1/01											
16														
17														
18														
19	Cost	Cost	Labor Expense Description	JFC/	(For use w/ one NR)	First	First	Additional	Additional	Initial	Initial	Initial	Subsequent	Subsequent
20	State	Element #	Life (Mo)	Payband	Installation	Installation	Installation	Installation	Installation	Time	Time	Time	Time	Time
21	TN				Time	Time	Time	Time	Time	Hours	Hours	Hours	Hours	Hours
22					Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours
23	END													
24														
25														
26														
27														
28														
29														
30														
31														
32														
33														
34														
35														
36														
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41														
42														
43														
44														
45														
46	Maximum of 25 entries per Cost Element #													

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MECHANIZED LOOP MAKEUP
COST STUDY

BellSouth Telecommunications, Inc.

A		B	C	D	E	F	G
1	Tennessee						
2	MECHANIZED LOOP MAKEUP - INPUT SHEET			INPUT SHEET			
3	Study Period: 2000 - 2002						
4							
5	Element #: J.3.1						
6	Item/Description				Amount		
7	Description	FRC	JFC / JG / WS	Source	2000	2001	2002
8	INVESTMENTS						
9	Telcordia PC's for SIAC Testers	630C		IT			
10	Midrange Computer	530C		IT			
11	Data Comm. Equipment & Installation	630C		IT			
12	EDS Initial Installation	530C		IT			
13	Data Comm. Material Expense			IT			
14	RTU Acct. 2690						
15	HP & Third Party Server Software	460C		IT			
16	Telcordia Application Software	460C		NCS / ITS			
17	Maintenance Expense						
18	Software Maintenance			IT			
19	Telcordia Application Software			NCS / ITS			
20	Andersen FTP's Ongoing Applic. Mtce.			IT			
21	BTSI No. of Mos. for Ongoing Sys Sup		JG59	IT			
22	HW Operations and Maintenance			IT			
23	SYSTEM DEVELOPMENT/INSTALLATION						
24	BTSI No. of Mos. Related to Sys Dev		JG59	IT			
25	Andersen FTP Program Development			IT			
26							
27	DEMAND						
28	CLEC LOOPS			NCS			
29	OTHER/CONTRACTOR RATES						
30	Number of years for study			Finance Cost Matters			
31	Number of Hours per Week			Finance Cost Matters			
32	Number of Productive Wks per Year			Finance Cost Matters			
33	Number of Months per Year			Finance Cost Matters			
34	Andersen Contracted Rate per FTP			Finance Cost Matters			

001698

MECHANIZED LOOP MAKEUP
COST STUDY

A		B	C	D	E	F
1	Tennessee					
2	MECHANIZED LOOP MAKEUP - INVESTMENT					
3	Study Period: 2000 - 2002					
4						
5	Element #: J.3.1					
6	Item/Description					
7	Description	FRC	Source	2000	2001	2002
8	INVESTMENT/EQUIPMENT					
9	Midrange Computer	530C	Input Sht.L 10*Input Sht.L 30			
10	Telcordia PCs for SIAC Testers	630C	Input Sht.L 9*Input Sht.L 30			
11	Data Comm. Equipment & Installation	630C	Input Sht.L 11*Input Sht.L 30			
12	EDS Initial Installation	530C	Input Sht.L 12*Input Sht.L 30			
13	Total 530C Investment	530C	L9+L 12			
14	Total 630C Investment	630C	L 10 + L 11			
15						
16						
17	DEMAND					
18	Annual No. Loops Submitted		INPUT Sht. L 28			
19	Sum Annual No. of Loops		Sum L 18			
20						
21	RTU ACCT. 2690 460C					
22	HP & Third Party Server Software	460C	(INPUT L 15*INPUT L 30)			
23	Telcordia Application Software	460C	(INPUT L 16*INPUT L 30)			
24	Andersen FTP Program Development		INPUT Sht. L 25			
25	Andersen Contract Rate per FTP		INPUT Sht. L 34			
26	Andersen Prog Dev Cost	460C	(L 24*L 25)*INPUT L 30			
27	Total RTU	460C	L 22+L 23+L 26			
28						
29						
30	LEVELIZED INVESTMENT AND RTU:					
31	Midrange Computer Inv/Loop	530C	L 13 / L 19	\$0.051965		
32	PCs and Data Comm. Inv/Loop	630C	L 14 / L 19	\$0.002386		
33	RTU SW/Loop	460C	L 27 / L 19	\$1.358950		

001699

MECHANIZED LOOP MAKEUP
COST STUDY

BellSouth Telecommunications, Inc.

	A	B	C	D	E	F
1	Tennessee					
2	MECHANIZED LOOP MAKEUP - LABOR					
3	Study Period: 2000 - 2002		LABOR			
4						
5	Element #: J.3.1					
6	Item/Description	JFC / JG / WS	Source	Amount		
7	Description			2000	2001	2002
8	SYSTEM IMPLEMENTATION & ONGOING					
9	BTSL No. of Mos. Related to Sys Dev	JG59	INPUT Sht. L24			
10	BTSL No. of Mos. Related to Sys Dev Ongoing	JG59	INPUT Sht. L21			
11	Number of Productive Wks per Year		INPUT Sht. L32			
12	Number of Hours per Week		INPUT Sht. L31			
13	Number of Months per Year		INPUT Sht. L33			
14	Number of Sys Dev Labor Hours		(L11*L12)*(L9/L13)			
15						
16	Sum BTSL JG59 Tot Hrs. (2000 - 2002)		Sum L14			
17						
18						
19	BTSL Labor Hrs./Loop	JG59	L16 / WP1, L19	0.000195		

001700

MECHANIZED LOOP MAKEUP
COST STUDY

BellSouth Telecommunications, Inc.

A					B	C	D	E
1	Tennessee							
2	MECHANIZED LOOP MAKEUP - ADDITIVES							
3	Study Period: 2000 - 2002							
4								
5	Element #: J.3.1							
6	Item/Description							
7	Description				Source	2000	2001	2002
8	NON-VOLUME SENSITIVE							
9	Telcordia Application Software				INPUT Sht. L19			
10	Data Comm. Material Expense				INPUT Sht. L13			
11	Sum Telcordia Applic SW & Data Comm. (2000 - 2002)				Sum L9 + L10			
12								
13	VOLUME SENSITIVE							
14	HW Operations and Maintenance				INPUT Sht. L22			
15	Software Maintenance				INPUT Sht. L18			
16	HW Operations and Mtce. Expense Total				Sum L14+ L15			
17	Sum HW Oprns & Mtce. (2000 - 2002)				Sum L16			
18								
19	NON-VOLUME SENSITIVE							
20	Andersen FTP's Ongoing Applic. Mtce.				INPUT Sht. L20			
21	Andersen Contracted Rate per FTP				INPUT Sht. L34			
22	Andersen Consulting Support Expense				L20 * L21			
23	Sum Andersen Consulting Support (2000 - 2002)				Sum L22			
24								
25								
26	Telcordia Application SW & Data Comm/Loop				L11 / WP1, L19	\$0.063931		
27	HW Operations and Mtce. Expense/Loop				L17 / WP1, L19	\$0.012912		
28	Andersen Consulting Support/Loop				L23 / WP1, L19	\$0.146418		

001701

Manual Loop Makeup

BellSouth Telecommunications, Inc.

	A	B	C	D	E	F	G	H	I	J	K
1	Tennessee										
2	Index Sheet										
3	Study Period: 2000-2002										
4											
5											
6											
7											
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9											
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21											
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24											

Sheet Name:

Index
Investments
Additives_Recurring
Additives_Nonrecurring
Recurring Labor
Nonrecurring Labor
WP100
INPUTS_SERVICE INQUIRY
INPUTS_ENGINEERING

Description:

Manual Loop Makeup
CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA
CALCULATOR INPUT FORM - RECURRING EXPENSES DATA
CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA
CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA
CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES
Nonrecurring Worktimes
Detailed Labor Worktimes
Detailed Labor Worktimes

001702

	A	B	C	D	E	F	G	H	I	J
1	CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA									
2										
3	Instructions:									
4	1. Use this worksheet to record material and/or investments to be input into the									
5	Calculator calculations.									
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).									
7	3. Input data, by Cost Element, leaving no blank lines. On next row									
8	after last line of data, type END in Cost Element Column.									
9	4. All data on this form should be cell-referenced to study workpapers.									
10	5. Do NOT change columns, headings, sheet name.									
11										
12										
13										
14	<u>State</u>	<u>Cost</u>	<u>Element #</u>	<u>FRC</u>	<u>Sub</u>	<u>FRC</u>	<u>Volume</u>	<u>Sensitive</u>	<u>Volume</u>	<u>Insensitive</u>
15	TN									
16										
17										
18										
19										
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21										
22										
23										
24										
25										

001703

	A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - RECURRING EXPENSES DATA							
2								
3	Instructions:							
4	1. Use this worksheet to record recurring non-labor expenses to be input into the							
5	Calculator calculations.							
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).							
7	3. Input data, by Cost Element, leaving no blank lines. On next row							
8	after last line of data, type END in Cost Element Column.							
9	4. All data on this form should be cell-referenced to study workpapers.							
10	5. Do NOT change columns, headings, sheet name.							
11								
12								
13								
14								
15								
16								
17	<u>State</u>	<u>Cost</u>	<u>Recurring</u>	<u>Recurring</u>				
18	<u>Element #</u>	<u>Expense Description</u>	<u>Volume</u>	<u>Volume</u>				
19		<u>(Limited to 25 characters)</u>	<u>Sensitive</u>	<u>Insensitive</u>				
20			<u>\$ Amount</u>	<u>\$ Amount</u>				
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

Maximum 10 entries per Cost Element #

001704

A	B	C	D	E	F	G	H
CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA							
1	Instructions:						
2	1. Use this worksheet to record nonrecurring non-labor expenses to be input into the Calculator calculations.						
3	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
4	3. Input data, by Cost Element, leaving no blank lines. On next row						
5	after last line of data, type END in Cost Element Column.						
6	4. All data on this form should be cell-referenced to study workpapers.						
7	5. Do NOT change columns, headings, sheet name.						
8	6. Use column D when cost element has a single nonrecurring cost; use columns E & F for elements with a first						
9	and additional nonrecurring cost; use columns G & H for elements with an initial and subsequent nonrecurring cost.						
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001705

Manual Loop Makeup

BellSouth Telecommunications, Inc.

	A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA							
2								
3	Instructions:							
4	1. Use this worksheet to record recurring expensed labor times to be input into the							
5	Calculator calculations.							
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).							
7	3. Input data, by Cost Element, leaving no blank lines. On next row							
8	after last line of data, type END in Cost Element Column.							
9	4. All data on this form should be cell-referenced to study workpapers.							
10	5. Do NOT change columns, headings, sheet name.							
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37								
38								

Maximum 20 entries per Cost Element #

001706

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES														
Instructions:														
1. Use this worksheet to record nonrecurring labor times to be input into the Calculator calculations.														
2. All amounts shown are per unit (e.g., per call, per loop, per MOU).														
3. Input data by Cost Element, leaving no blank lines. On next row after last line of data, type END in Cost Element Column.														
4. All data on this form should be cell-referenced to study workpapers.														
5. Do NOT change columns, headings, sheet name.														
6. Use columns F & G when cost element has a single nonrecurring cost; use columns H, I, J, & K for elements with a first and additional nonrecurring cost; use columns L, M, N & O for elements with an initial and subsequent nonrecurring cost.														
7. Input Cost Element Life (in months) on first row of data for each cost element. It is not necessary to repeat on each line.														
Study Mid-Point Date (Mos.) 6/1/2001														
State	Cost Element #	Cost Element Life (Mo)	Labor Expense Description (Limited to 25 characters)	JFC/ Payband	(For use w/ one NR) Installation Time (Hours)	Disconnect Time (Hours)	First Installation Time (Hours)	First Disconnect Time (Hours)	Additional Installation Time (Hours)	Additional Disconnect Time (Hours)	Initial Installation Time (Hours)	Initial Disconnect Time (Hours)	Subsequent Installation Time (Hours)	Subsequent Disconnect Time (Hours)
21 TN	J33		SERVICE INQUIRY	SDWC	0.5317	-	-	-	-	-	-	-	-	-
22 TN	J33		SERVICE INQUIRY	230X	0.7500	-	-	-	-	-	-	-	-	-
23 TN	J33		ENGINEERING	JG57	0.8667	-	-	-	-	-	-	-	-	-
24 TN	J33		ENGINEERING	4FXX	0.4167	-	-	-	-	-	-	-	-	-
25 TN	J34		SERVICE INQUIRY	SDWC	0.5317	-	-	-	-	-	-	-	-	-
26 TN	J34		SERVICE INQUIRY	230X	0.7500	-	-	-	-	-	-	-	-	-
27 TN	J34		ENGINEERING	JG57	0.8667	-	-	-	-	-	-	-	-	-
28 TN	J34		ENGINEERING	4FXX	0.5833	-	-	-	-	-	-	-	-	-
29														
30			END											
31														
32														
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44														
45														
46														

Maximum of 25 entries per Cost Element #

001707

[illegible]

001708

[illegible]

		A					B					C					D					E					F				
1	Tennessee																														
2	Detailed Labor Worktimes																														
3	Study Period: 2006-2002																														
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
		Item/Description																													
		SERVICE ADVOCACY CENTER (SAC)																													
		Source	Description	JG IWS	total	Disconnect																									
6	7	Network	ENGINEERING	4FX	15.00	0.00																									
8	9	Network	ENGINEERING	JG57	30.00	0.00																									
9	10	Network	ENGINEERING	JG57	22.00	0.00																									
10	11	Network	ENGINEERING	4FX	10.00	0.00																									
11	12	Network	ENGINEERING	4FX	10.00	0.00																									

	A	B	C	D
1	Tennessee			
2	Index Sheet			
3	Study Period: 2000 - 2002			
4				
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001712

Sheet Name:	Description:
Index	LINE SHARING SPLITTER - in the Central Office
Investments	CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA
Additives_Recurring	CALCULATOR INPUT FORM - RECURRING EXPENSES DATA
Additives_Nonrecurring	CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA
Recurring Labor	CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA
Nonrecurring Labor	CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES
INPUT_NRC	Inputs for Nonrecurring Costs
INPUT_Recur	Inputs for Recurring Costs
wp J.4.1	Development of Line Sharing Splitter Costs per Splitter System 96 Line Capacity in the Central Office
wp J.4.2	Development of Line Sharing Splitter Costs per Splitter System 24 Line Capacity in the Central Office
wp J.4.3	Development of Line Sharing Splitter Costs per Line Activation in the Central Office

	A	B	C	D	E	F	G	H	I	J
1	CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA									
2										
3	Instructions:									
4	1. Use this worksheet to record nonrecurring labor times to be input into the Calculator calculations.									
5	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).									
6	3. Input data, by Cost Element, leaving no blank lines. On next row after last line of data, type END in Cost Element Column.									
7	4. All data on this form should be cell-referenced to study workpapers.									
8	5. Do NOT change columns, headings, sheet name.									
9										
10										
11										
12										
13										
14	State	Cost	FRC	Sub	Volume Sensitive	Volume Insensitive				
15	TN	J.4.1	377C	05	\$447.975					
16	TN	J.4.1	257C	03	\$187.500					
17	TN	J.4.1	257C	15	\$4,859.000					
18	TN	J.4.2	377C	05	\$111.994					
19	TN	J.4.2	257C	03	\$46.875					
20	TN	J.4.2	257C	15	\$1,214.750					
21	TN	J.4.3	630C	00	\$0.561					
22	TN	J.4.3	530C	00	\$14.005					
23	TN	J.4.3	460C	00	\$192.048					
24	END									
25										
26										
27										
28										
29										
30										
31										
32										
33										
34										
35										

001713

A	B	C	D	E	F	G	H
CALCULATOR INPUT FORM - RECURRING EXPENSES DATA							
1	Instructions:						
2	1. Use this worksheet to record nonrecurring labor times to be input into the Calculator calculations.						
3	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
4	3. Input data, by Cost Element, leaving no blank lines. On next row						
5	after last line of data, type END in Cost Element Column.						
6	4. All data on this form should be cell-referenced to study workpapers.						
7	5. Do NOT change columns, headings, sheet name.						
8							
9							
10							
11							
12							
13							
14							
15							
16							
17	State	Cost	Recurring	Recurring			
18	TN	Element #	Expense Description	Volume	Sensitive	Volume	Insensitive
19		J.4.3	(Limited to 25 characters)	\$ Amount	\$ Amount	\$ Amount	\$ Amount
20			Telcordia Solution	\$2.069			
21			Maximum 10 entries per Cost Element #				
22							
23							
24							
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27							
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31							
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34							
35							

001714

A	B	C	D	E	F	G	H
CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA							
1	Instructions:						
2	1. Use this worksheet to record nonrecurring labor times to be input into the Calculator calculations.						
3	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
4	3. Input data, by Cost Element, leaving no blank lines. On next row						
5	after last line of data, type END in Cost Element Column.						
6	4. All data on this form should be call-referenced to study workpapers.						
7	5. Do NOT change columns, headings, sheet name.						
8	6. Use column D when cost element has a single nonrecurring cost; use columns E & F for elements with a first						
9	and additional nonrecurring cost; use columns G & H for elements with an initial and subsequent nonrecurring cost.						
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001715

A	B	C	D	E	F	G	H
CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA							
1	Instructions:						
2	1. Use this worksheet to record nonrecurring labor times to be input into the Calculator calculations.						
3	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
4	3. Input data, by Cost Element, leaving no blank lines. On next row						
5	after last line of data, type END in Cost Element Column.						
6	4. All data on this form should be cell-referenced to study workpapers.						
7	5. Do NOT change columns, headings, sheet name.						
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35							

State
TN

END Maximum 20 entries per Cost Element #

001716

CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES													
A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	State	Cost Element #	Cost Element Life (Mn)	Labor Expense Description (Linked to 25 character)	JFC/ Payband	Installation Time (Hours)	Disconnect Time (Hours)	First Installation Time (Hours)	First Disconnect Time (Hours)	Additional Installation Time (Hours)	Additional Disconnect Time (Hours)	Initial Installation Time (Hours)	Initial Disconnect Time (Hours)
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14	Study Mid-Point Date (Mn.)												
15													
16													
17													
18													
19													
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21													
22													
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001717

LINE SHARING SPLITTER - in the Central Office

elSouth Telecommunications, Inc.

A	B	C	D	E	F	G	H	I	J	K	L
1	2	3	4	5	6	7	8	9	10	11	12
Tennessee	Inputs for Nonrecurring Costs	Study Period 2000 - 2002	TN								
Item / Description	Element	JFC / JG / WS	Source	Cost Element Life (mos)	(For use w/ one NR)	Install	Disconnect	First	Additional	Disconnect	Nonrecurring Additive
Time in Hours (Hrs)											
J.4 LINE SHARING SPLITTER - in the Central Office											
J.4.1 Line Sharing Splitter - per Splitter System 96-Line Capacity in the Central Office											
Network	2730	COSMOS / SWITCH		46							
Engineering	34XX	Circuit Capacity Management				4 0000	0 0000		0 0000	0 0000	
Engineering	221X	Complex Resale Support Group				3 0000	0 0000		0 0000	0 0000	
Engineering	SDWC	Complex Resale Support Group				0 7400	0 0000		0 0000	0 0000	
Service Order	230X	LCSC				0 6700	0 0000		0 0000	0 0000	
J.4.2 Line Sharing Splitter - per Splitter System 24-Line Capacity in the Central Office											
Network	2730	COSMOS / SWITCH		46		4 0000	0 0000		0 0000	0 0000	
Engineering	34XX	Circuit Capacity Management				3 0000	0 0000		0 0000	0 0000	
Engineering	221X	Complex Resale Support Group				0 7400	0 0000		0 0000	0 0000	
Engineering	SDWC	Complex Resale Support Group				0 6700	0 0000		0 0000	0 0000	
Service Order	230X	LCSC				0 5000	0 0000		0 5000	0 0000	
J.4.3 Line Sharing Splitter - per Line Activation in the Central Office											
Engineering	34XX	Circuit Capacity Management		46		0 0833	0 0000		0 0208	0 0000	
Engineering	4M1X	Assignment Facility Inventory Group				0 0467	0 0000		0 0467	0 0000	
Connect & Test	4WXX	Work Management Center				0 0500	0 0000		0 0500	0 0000	
Connect & Test	431X	CO Install & Mice Field - Ckt & Fac				0 2500	0 0000		0 1000	0 0000	
LST - Engineering	34XX	Circuit Capacity Management				0 0250	0 0000		0 0250	0 0000	
LST - Eng	4M1X	Assignment Facility Inventory Group				0 0047	0 0000		0 0047	0 0000	
LST - Connect & Test	431X	CO Install & Mice Field - Ckt & Fac				0 0330	0 0000		0 0450	0 0000	
LST - Travel	410X	Installation & Maintenance				0 0600	0 0000		0 0600	0 0000	
Service Order	230X	LCSC				0 0500	0 0000		0 0500	0 0000	
J.4.4 Line Sharing Splitter per Subsequent Activity per Line Rearrangement											
Engineering	4M1X	Assignment Facility Inventory Group		46		0 0467	0 0000		0 0467	0 0000	
Connect & Test	4WXX	Work Management Center				0 1000	0 0000		0 1000	0 0000	
Connect & Test	431X	CO Install & Mice Field - Ckt & Fac				0 3700	0 0000		0 1500	0 0000	
Service Order	230X	LCSC				0 4500	0 0000		0 0450	0 0000	
J.4.398 Line Sharing Splitter - per Line Activation in the Central Office Testing											
Connect & Test	431X	CO Install & Mice Field - Ckt & Fac		46		0 1667	0 0000		0 0667	0 0000	
LST - Connect & Test	431X	CO Install & Mice Field - Ckt & Fac				0 0220	0 0000		0 0300	0 0000	
LST - Connect & Test	410X	Installation & Maintenance				0 0400	0 0000		0 0400	0 0000	
J.4.498 Line Sharing Splitter per Subsequent Activity per Line Rearrangement Testing											
Connect & Test	431X	CO Install & Mice Field - Ckt & Fac		46		0 2467	0 0000		0 1000	0 0000	
J.4.199 Line Sharing Splitter - per Splitter System 96-Line Capacity in the Central Office Disconnect											
Network	2730	COSMOS / SWITCH		46		0 0000	2 0000		0 0000	0 0000	
Engineering	34XX	Circuit Capacity Management				0 0000	3 0000		0 0000	0 0000	
Engineering	221X	Complex Resale Support Group				0 0000	0 7400		0 0000	0 0000	
Engineering	SDWC	Complex Resale Support Group				0 0000	0 6700		0 0000	0 0000	
Service Order	230X	LCSC				0 0000	0 5000		0 0000	0 5000	
J.4.299 Line Sharing Splitter - per Splitter System 24-Line Capacity in the Central Office Disconnect											
Network	2730	COSMOS / SWITCH		46		0 0000	2 0000		0 0000	0 0000	
Engineering	34XX	Circuit Capacity Management				0 0000	3 0000		0 0000	0 0000	
Engineering	221X	Complex Resale Support Group				0 0000	0 7400		0 0000	0 0000	
Engineering	SDWC	Complex Resale Support Group				0 0000	0 6700		0 0000	0 0000	
Service Order	230X	LCSC				0 0000	0 5000		0 0000	0 5000	
J.4.399 Line Sharing Splitter - per Line Activation in the Central Office Disconnect											
Engineering	34XX	Circuit Capacity Management		46		0 0000	0 0833		0 0000	0 0208	
Engineering	4M1X	Assignment Facility Inventory Group				0 0000	0 0467		0 0000	0 0467	
Connect & Test	4WXX	Work Management Center				0 0000	0 0500		0 0000	0 0500	
Connect & Test	431X	CO Install & Mice Field - Ckt & Fac				0 0000	0 2000		0 0000	0 0833	
Service Order	230X	LCSC				0 0000	0 4500		0 0000	0 0450	
J.4.499 Line Sharing Splitter per Subsequent Activity per Line Rearrangement Disconnect											
Service Order	230X	LCSC		46		0 0000	0 4500		0 0000	0 0450	

001718

	A	B	C	D	E	F
1	Tennessee					
2	Inputs for Recurring Costs					
3	Study Period: 2000 - 2002					
4	TN					
5						
6	Item / Description					
7	Element	Description	FRC	Sub FRC	Source	Amount
8						
9	J.4	LINE SHARING SPLITTER - in the Central Office				
10						
11	J.4.1	Line Sharing Splitter - per Splitter System 96-Line Capacity in the Cenral Office				
12		Distributing Frame				
13		Material Price	377C	05	MDF_Fund.xls	
14		Projected Actual Utilization			MDF_Fund.xls	
15		Circuit Capacity			MDF_Fund.xls	7,200
16		Number Required (3 terms on MDF / Line)			Network Planning & Support	300
17		Connecting Blocks				
18		Material Price	377C	05	MDF_Fund.xls	
19		Projected Actual Utilization			Network Planning & Support	
20		System Capacity			Network Planning & Support	1
21		Number Required			Network Planning & Support	4
22		Line Sharing Splitter (Bay)	257C	03		
23		Material Price			Network Planning & Support	
24		Projected Actual Utilization			Network Planning & Support	
25		System Capacity			Network Planning & Support	8
26		Number Required			Network Planning & Support	1
27		Line Sharing Splitter (Shelf, Test Eqpt, Plug-ins & Cabling)				
28		Material Price per System	257C	15	Network Planning & Support	
29		Projected Actual Utilization			Network Planning & Support	
30		System Capacity			Network Planning & Support	1
31		Number Required			Network Planning & Support	1
32						
33	J.4.2	Line Sharing Splitter - per Splitter System 24-Line Capacity in the Central Office				
34		Distributing Frame				
35		Material Price	377C	05	MDF_Fund.xls	
36		Projected Actual Utilization			MDF_Fund.xls	
37		Circuit Capacity			MDF_Fund.xls	7,200
38		Number Required (3 terms on MDF / Line)			Network Planning & Support	75
39		Connecting Blocks				
40		Material Price	377C	05	MDF_Fund.xls	
41		Projected Actual Utilization			Network Planning & Support	
42		System Capacity			Network Planning & Support	1
43		Number Required			Network Planning & Support	1
44		Line Sharing Splitter (Bay)				
45		Material Price	257C	03	Network Planning & Support	
46		Projected Actual Utilization			Network Planning & Support	
47		System Capacity			Network Planning & Support	32
48		Number Required			Network Planning & Support	1
49		Line Sharing Splitter (Shelf, Test Eqpt, Plug-ins & Cabling)				
50		Material Price per System	257C	15	Network Planning & Support	
51		Projected Actual Utilization			Network Planning & Support	
52		System Capacity			Network Planning & Support	4
53		Number Required			Network Planning & Support	1

001719

	A	B	C	D	E	F
54						
55	J.4.3	Line Sharing Splitter - per Line Activation in the Central Office				
56		Telcordia Solution				
57		Software Monthly Expense			Network Planning & Support	
58		Adjustment Factor			BST Finance	
59		Software Monthly Expense			BST Finance	\$421,333.25
60		LEIS/LEAD Investment	630C	00	Network Planning & Support	
61		Adjustment Factor			BST Finance	
62		LEIS/LEAD Investment			BST Finance	\$114,243
63		LEIS/LEAD Investment	530C	00	Network Planning & Support	
64		Adjustment Factor			BST Finance	
65		LEIS/LEAD Investment			BST Finance	\$2,851,720
66		Software Investment	460C	00	Network Planning & Support	
67		Adjustment Factor			BST Finance	
68		SW & HW Investment			BST Finance	\$39,104.435
69		In-Service Mid-Year Demand Year 1			Network Planning & Support	8,965
70		In-Service Mid-Year Demand Year 2			Network Planning & Support	66,831
71		In-Service Mid-Year Demand Year 3			Network Planning & Support	183,292
72		In-Service Mid-Year Demand Year 4			Network Planning & Support	318,377
73		In-Service Mid-Year Demand Year 5			Network Planning & Support	440,625
74		Economic Life of Software & Hardware (years)			BST Finance	5
75						
76						
77						
78						
79						
80						
81						
82						
83						
84						
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92						
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96						
97						
98						
99						

001720

	A	B	C	D	E
1	Tennessee				
2	Development of Line Sharing Splitter Costs per Splitter System 96 Line Capacity in the Central Office				
3	Study Period: 2000 - 2002				
4					
5	Element #: J.4.1				
6	Item / Description			Source	Amount
7	Description	FRC	Sub FRC		
8	Distributing Frame				
9					
10	Material Price			INPUT_ Recur Line 13	
11					
12	Projected Actual Utilization			INPUT_ Recur Line 14	
13					
14	Circuit Capacity			INPUT_ Recur Line 15	7,200
15					
16	Number Required (3 terms on MDF / Line)			INPUT_ Recur Line 16	300
17					
18	Utilized Material Price per System	377C	05	Line 10 / Line 12 / Line 14 x Line 16	\$207.975
19					
20	Connecting Blocks				
21					
22	Material Price			INPUT_ Recur Line 18	
23					
24	Projected Actual Utilization			INPUT_ Recur Line 19	
25					
26	System Capacity			INPUT_ Recur Line 20	1
27					
28	Number Required			INPUT_ Recur Line 21	4
29					
30	Utilized Material Price per System	377C	05	Line 22 / Line 24 / Line 26 x Line 28	\$240.000
31					
32	Utilized Material Price per System	377C	05	Line 18 + Line 30	\$447.975
33					
34	Line Sharing Splitter (Bay)				
35					
36	Material Price			INPUT_ Recur Line 23	
37					
38	Projected Actual Utilization			INPUT_ Recur Line 24	
39					
40	System Capacity			INPUT_ Recur Line 25	8
41					
42	Number Required			INPUT_ Recur Line 26	1
43					
44	Utilized Material Price per System	257C	03	Line 36 / Line 38 / Line 40 x Line 42	\$187.500
45					
46	Line Sharing Splitter (Shelf, Test Eqpt, Plug-ins & Cabling)				
47					
48	Material Price per System			INPUT_ Recur Line 28	
49					
50	Projected Actual Utilization			INPUT_ Recur Line 29	
51					
52	System Capacity			INPUT_ Recur Line 30	1
53					
54	Number Required			INPUT_ Recur Line 31	1
55					
56	Utilized Material Price per System	257C	15	Line 48 / Line 50 / Line 52 x Line 54	\$4,859.000

001721

	A	B	C	D	E
1	Tennessee				
2	Development of Line Sharing Splitter Costs per Splitter System 24 Line Capacity in the Central Office				
3	Study Period: 2000 - 2002				
4					
5	Element #: J.4.2				
6	Item / Description			Source	Amount
7	Description	FRC	Sub FRC		
8	Distributing Frame				
9					
10	Material Price			INPUT_ Recur Line 35	
11					
12	Projected Actual Utilization			INPUT_ Recur Line 36	
13					
14	Circuit Capacity			INPUT_ Recur Line 37	7,200
15					
16	Number Required (3 terms on MDF / Line)			INPUT_ Recur Line 38	75
17					
18	Utilized Material Price per System	377C	05	Line 10 / Line 12 / Line 14 x Line 16	\$51.994
19					
20	Connecting Blocks				
21					
22	Material Price			INPUT_ Recur Line 40	
23					
24	Projected Actual Utilization			INPUT_ Recur Line 41	
25					
26	System Capacity			INPUT_ Recur Line 42	1
27					
28	Number Required			INPUT_ Recur Line 43	1.00
29					
30	Utilized Material Price per System	377C	05	Line 22 / Line 24 / Line 26 x Line 28	\$60.000
31					
32	Utilized Material Price per System	377C	05	Line 18 + Line 30	\$111.994
33					
34	Line Sharing Splitter (Bay)				
35					
36	Material Price			INPUT_ Recur Line 45	
37					
38	Projected Actual Utilization			INPUT_ Recur Line 46	
39					
40	System Capacity			INPUT_ Recur Line 47	32
41					
42	Number Required			INPUT_ Recur Line 48	1
43					
44	Utilized Material Price per System	257C	03	Line 36 / Line 38 / Line 40 x Line 42	\$46.875
45					
46	Line Sharing Splitter (Shelf, Test Eqpt, Plug-ins & Cabling)				
47					
48	Material Price per System			INPUT_ Recur Line 50	
49					
50	Projected Actual Utilization			INPUT_ Recur Line 51	
51					
52	System Capacity			INPUT_ Recur Line 52	4
53					
54	Number Required			INPUT_ Recur Line 53	1
55					
56	Utilized Material Price per System	257C	15	Line 48 / Line 50 / Line 52 x Line 54	\$1,214.750

001722

	A	B	C	D	E
1	Tennessee				
2	Development of Line Sharing Splitter Costs per Line Activation in the Central Office				
3	Study Period: 2000 - 2002				
4					
5	Element #: J.4.3				
6	Item / Description				
7	Description	FRC	Sub FRC	Source	Amount
8	Telcordia Solution				
9					
10	In-Service Mid-Year Demand Year 1			INPUT_ Recur Line 69	8,965
11					
12	In-Service Mid-Year Demand Year 2			INPUT_ Recur Line 70	66,831
13					
14	In-Service Mid-Year Demand Year 3			INPUT_ Recur Line 71	183,292
15					
16	In-Service Mid-Year Demand Year 4			INPUT_ Recur Line 72	318,377
17					
18	In-Service Mid-Year Demand Year 5			INPUT_ Recur Line 73	440,625
19					
20	Total In-Service Mid-Year Demand			Sum(Line 10...Line 18)	1,018,088
21					
22	Economic Life of Software & Hardware (years)			INPUT_ Recur Line 74	5
23					
24	Average In-Service Mid-Year Demand			Line 20 / Line 22	203,618
25					
26	Software Monthly Expense			INPUT_ Recur Line 59	\$421,333.25
27					
28	Average In-Service Mid-Year Demand			Line 24	203,618
29					
30	Average Monthly Software Implementation Expense			Line 26 / Line 28	\$2.069
31					
32	LEIS/LEAD Investment	630C	00	INPUT_ Recur Line 62	\$114,243
33					
34	Average In-Service Mid-Year Demand			Line 24	203,618
35					
36	Average LEIS/LEAD Investment per Line			Line 32 / Line 34	\$0.561
37					
38	LEIS/LEAD Investment	530C	00	INPUT_ Recur Line 65	\$2,851,720
39					
40	Average In-Service Mid-Year Demand			Line 24	203,618
41					
42	Average LEIS/LEAD Investment per Line			Line 38 / Line 40	\$14.005
43					
44	SW & HW Investment	460C	00	INPUT_ Recur Line 68	\$39,104,435
45					
46	Average In-Service Mid-Year Demand			Line 24	203,618
47					
48	Average SW & HW Investment per Line			Line 44 / Line 46	\$192.048
49					
50					
51					
52					
53					
54					
55					
56					
57					
58					
59					
60					

	A	B	C	D	E	F	G	H	I	J	K
1	Tennessee										
2	Index Sheet										
3	Study Period: 2000 - 2002										
4											
5											
6											
7											
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11											
12											
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15											
16											
17											
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19											
20											
21											

Sheet Name:**Description:**

Index	ACCESS TO DCS - CUSTOMER RECONFIG
Investments	CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA
Additives_Recurring	CALCULATOR INPUT FORM - RECURRING EXPENSES DATA
Additives_Nonrecurring	CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA
Recurring Labor	CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA
Nonrecurring Labor	CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES
INPUT_NRC	Inputs for Nonrecurring Costs
INPUT_Recur	Inputs for Recurring Costs
wp J.5.2	Development of DS-1 Narrow Band DCS Port Termination Costs e/w DS-0 Switching
wp J.5.3	Development of DS-1 Wide Band DCS Port Termination Costs e/w DS-1 Switching
wp J.5.4	Development of DS-3 Wide Band DCS Port Termination Costs e/w DS-1 Switching
wp J.5.X	Development of Customer Reconfiguration Unit Costs

001724

	A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA							
2								
3	Instructions:							
4	1. Use this worksheet to record nonrecurring labor times to be input into the Calculator calculations.							
5	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).							
6	3. Input data, by Cost Element, leaving no blank lines. On next row							
7	after last line of data, type END in Cost Element Column.							
8	4. All data on this form should be cell-referenced to study workpapers.							
9	5. Do NOT change columns, headings, sheet name.							
10								
11								
12								
13								
14	State	Cost	Element #	FRC	Sub	FRC	Volume Sensitive \$ Amount	Volume Insensitive \$ Amount
15	TN	J.5.2		357C	03		\$14,350	
16	TN	J.5.2		357C	33		\$761,638	
17	TN	J.5.2		460C	00		\$69,557	
18	TN	J.5.2		530C	00		\$11,969	
19	TN	J.5.3		357C	03		\$14,350	
20	TN	J.5.3		357C	33		\$352,459	
21	TN	J.5.3		460C	00		\$69,557	
22	TN	J.5.3		530C	00		\$11,969	
23	TN	J.5.4		357C	03		\$200,980	
24	TN	J.5.4		357C	33		\$5,310,699	
25	TN	J.5.4		460C	00		\$69,557	
26	TN	J.5.4		530C	00		\$11,969	
27	END							

001725

A	B	C	D	E
1	CALCULATOR INPUT FORM - RECURRING EXPENSES DATA			
2				
3	Instructions:			
4	1. Use this worksheet to record nonrecurring labor times to be input into the Calculator calculations.			
5	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).			
6	3. Input data, by Cost Element, leaving no blank lines. On next row			
7	after last line of data, type END in Cost Element Column.			
8	4. All data on this form should be cell-referenced to study workpapers.			
9	5. Do NOT change columns, headings, sheet name.			
10				
11				
12				
13				
14				
15				
16				
17	State	Cost Element #	Recurring Expense Description (Limited to 25 characters)	Recurring Volume Sensitive \$ Amount
18	TN	J.5.2	DS-1 DCS Port Termination e/w DS-0 Switching	\$0.854
19	TN	J.5.3	DS-1 DCS Port Termination e/w DS-1 Switching	\$0.854
20	TN	J.5.4	DS-3 DCS Port Termination e/w DS-1 Switching	\$0.854
21	END Maximum 10 entries per Cost Element #			

001726

A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA						
2							
3	Instructions:						
4	1. Use this worksheet to record nonrecurring labor times to be input into the Calculator calculations.						
5	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
6	3. Input data, by Cost Element, leaving no blank lines. On next row after last line of data, type END in Cost Element Column.						
7	4. All data on this form should be cell-referenced to study workpapers.						
8	5. Do NOT change columns, headings, sheet name.						
9	6. Use column D when cost element has a single nonrecurring cost; use columns E & F for elements with a first and additional nonrecurring cost; use columns G & H for elements with an initial and subsequent nonrecurring cost.						
10							
11							
12							
13							
14							
15							
16							
17							
18							

State	Cost	Nonrecurring	Nonrecurring	Nonrecurring	Nonrecurring	Nonrecurring	Nonrecurring
TN	Element #	Expense Description (Limited to 25 characters)	Nonrecurring \$ Amount	First \$ Amount	Additional \$ Amount	Initial \$ Amount	Subsequent \$ Amount
	END	Maximum 10 entries per Cost Element #					

001727

A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA						
2							
3	Instructions:						
4	1. Use this worksheet to record nonrecurring labor times to be input into the Calculator calculations.						
5	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
6	3. Input data, by Cost Element, leaving no blank lines. On next row						
7	after last line of data, type END in Cost Element Column.						
8	4. All data on this form should be cell-referenced to study workpapers.						
9	5. Do NOT change columns, headings, sheet name.						
10							
11							
12							
13							
14	Cost Element #	Labor Expense Description (Limited to 25 characters)	JFC/ Payband	Work Time (Hours)			
15				Volume Sensitive	Volume Insensitive		
16	State						
17	TN						
18	END	Maximum 20 entries per Cost Element #					
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							

001728

CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES														
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
Instructions:														
1. Use this worksheet to record nonrecurring labor times to be input into the Calculator calculations.														
2. All amounts shown are per unit (e.g., per call, per loop, per MOU).														
3. Input data by Cost Element, leaving no blank lines. On next row														
after last line of data, type END in Cost Element Column.														
4. All data on this form should be cell-referenced to study worksheets.														
5. Do NOT change columns, headings, sheet name.														
6. Use columns F & G when cost element has a single nonrecurring cost; use columns H, I, J, & K for elements with a first and additional nonrecurring cost; use columns L, M, N & O for elements with an initial and subsequent nonrecurring cost.														
7. Input Cost Element Life (in months) on first row of data for each cost element. It is not necessary to repeat on each line.														
Study Mid-Point Date (Moe.)														
9/2001														
State	Cost Element #	Cost Element Life (Moe.)	Labor Expense Description (Limited to 25 characters)	JFC/ Payband	(For use w/ one NR)		First Installation Time (Hours)	First Disconnect Time (Hours)	Additional Installation Time (Hours)	Additional Disconnect Time (Hours)	Initial Installation Time (Hours)	Initial Disconnect Time (Hours)	Subsequent Installation Time (Hours)	Subsequent Disconnect Time (Hours)
TN	J5.1	52	Customer Network Control Ctr (CNCC)	WS32			0.0833	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TN	J5.2	52	Customer Network Control Ctr (CNCC)	WS32			0.9167	0.0000	0.9000	0.0000	0.0000	0.0000	0.0000	0.0000
TN	J5.3	52	Central Office I & M (CH & Fac)	431X			0.2500	0.0000	0.1000	0.0000	0.0000	0.0000	0.0000	0.0000
TN	J5.4	52	Customer Network Control Ctr (CNCC)	WS32			0.5167	0.0000	0.5000	0.0000	0.0000	0.0000	0.0000	0.0000
TN	J5.5	52	Central Office I & M (CH & Fac)	431X			0.2500	0.0000	0.1000	0.0000	0.0000	0.0000	0.0000	0.0000
TN	J5.6	52	Customer Network Control Ctr (CNCC)	WS32			0.9167	0.0000	0.9000	0.0000	0.0000	0.0000	0.0000	0.0000
TN	J5.7	52	Central Office I & M (CH & Fac)	431X			0.2500	0.0000	0.1000	0.0000	0.0000	0.0000	0.0000	0.0000
TN	J5.8	52	Customer Network Control Ctr (CNCC)	WS32			0.1667	0.0000	0.0667	0.0000	0.0000	0.0000	0.0000	0.0000
TN	J5.9	52	Central Office I & M (CH & Fac)	431X			0.1667	0.0000	0.0667	0.0000	0.0000	0.0000	0.0000	0.0000
TN	J5.10	52	Customer Network Control Ctr (CNCC)	WS32			0.0000	0.0833	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TN	J5.11	52	Customer Network Control Ctr (CNCC)	WS32			0.0000	0.5000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TN	J5.12	52	Customer Network Control Ctr (CNCC)	WS32			0.0000	0.2000	0.0000	0.0833	0.0000	0.0000	0.0000	0.0000
TN	J5.13	52	Customer Network Control Ctr (CNCC)	WS32			0.0000	0.3000	0.0000	0.3000	0.0000	0.0000	0.0000	0.0000
TN	J5.14	52	Central Office I & M (CH & Fac)	431X			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TN	J5.15	52	Central Office I & M (CH & Fac)	431X			0.0000	0.2000	0.0000	0.0833	0.0000	0.0000	0.0000	0.0000
TN	J5.16	52	Customer Network Control Ctr (CNCC)	WS32			0.0000	0.5000	0.0000	0.5000	0.0000	0.0000	0.0000	0.0000
TN	J5.17	52	Customer Network Control Ctr (CNCC)	WS32			0.0000	0.2000	0.0000	0.0833	0.0000	0.0000	0.0000	0.0000
Maximum of 25 entries per Cost Element #														
END														
38														
39														
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41														
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ACCESS TO DCS - CUSTOMER RECONFIG

BellSouth Telecommunications, Inc.

Time in Hours (Hrs)											
A	B	C	D	E	F	G	H	I	J	K	L
1	Tennessee										
2	Inputs for Nonrecurring Costs										
3	Study Period: 2000 - 2002										
4	TN										
5											
6	Item / Description	JFC / JG / WS	Source	Cost Element Life (mos.)	(For use w/ one NR)	First	Additional	Nonrecurring			
7	Element	Description			Install	Disconnect	Install	Additive			
8	J.5	ACCESS TO DCS - CUSTOMER RECONFIGURATION									
9											
10											
11	J.5.1	Customer Reconfiguration Establishment		52							
12	Engineering	WS32	Customer Network Control Ctr (CNCC)		0.0833	0.0000	0.0000	0.0000			
13											
14	J.5.2	DS-1 DCS Port Termination e/w DS-0 Switching		52							
15	Engineering	WS32	Customer Network Control Ctr (CNCC)		0.9167	0.0000	0.9000	0.0000			
16	Connect & Test	431X	Central Office I & M (Ckt & Fac)		0.2500	0.0000	0.1000	0.0000			
17											
18	J.5.3	DS-1 DCS Port Termination e/w DS-1 Switching		52							
19	Engineering	WS32	Customer Network Control Ctr (CNCC)		0.5167	0.0000	0.5000	0.0000			
20	Connect & Test	431X	Central Office I & M (Ckt & Fac)		0.2500	0.0000	0.1000	0.0000			
21											
22	J.5.4	DS-3 DCS Port Termination e/w DS-1 Switching		52							
23	Engineering	WS32	Customer Network Control Ctr (CNCC)		0.9167	0.0000	0.9000	0.0000			
24	Connect & Test	431X	Central Office I & M (Ckt & Fac)		0.2500	0.0000	0.1000	0.0000			
25											
26	J.5.298	DS-1 DCS Port Termination e/w DS-0 Switching Testing		52							
27	Connect & Test	431X	Central Office I & M (Ckt & Fac)		0.1667	0.0000	0.0667	0.0000			
28											
29	J.5.398	DS-1 DCS Port Termination e/w DS-1 Switching Testing		52							
30	Connect & Test	431X	Central Office I & M (Ckt & Fac)		0.1667	0.0000	0.0667	0.0000			
31											
32	J.5.498	DS-3 DCS Port Termination e/w DS-1 Switching Testing		52							
33	Connect & Test	431X	Central Office I & M (Ckt & Fac)		0.1667	0.0000	0.0667	0.0000			
34											
35	J.5.199	Customer Reconfiguration Establishment Disconnect		52							
36	Engineering	WS32	Customer Network Control Ctr (CNCC)		0.0000	0.0833	0.0000	0.0000			
37											
38	J.5.299	DS-1 DCS Port Termination e/w DS-0 Switching Disconnect		52							
39	Engineering	WS32	Customer Network Control Ctr (CNCC)		0.0000	0.5000	0.0000	0.5000			
40	Connect & Test	431X	Central Office I & M (Ckt & Fac)		0.0000	0.2000	0.0000	0.0833			
41											
42	J.5.399	DS-1 DCS Port Termination e/w DS-1 Switching Disconnect		52							
43	Engineering	WS32	Customer Network Control Ctr (CNCC)		0.0000	0.3000	0.0000	0.3000			
44	Connect & Test	431X	Central Office I & M (Ckt & Fac)		0.0000	0.2000	0.0000	0.0833			
45											
46	J.5.499	DS-3 DCS Port Termination e/w DS-1 Switching Disconnect		52							
47	Engineering	WS32	Customer Network Control Ctr (CNCC)		0.0000	0.5000	0.0000	0.5000			
48	Connect & Test	431X	Central Office I & M (Ckt & Fac)		0.0000	0.2000	0.0000	0.0833			
49											

001730

	A	B	C	D	E	F
1	Tennessee					
2	Inputs for Recurring Costs					
3	Study Period: 2000 - 2002					
4	TN					
5						
6	Item / Description					
7	Element	Description	FRC	Sub FRC	Source	Amount
8						
9	J.5	ACCESS to DCS - CUSTOMER RECONFIGURATION				
10						
11	J.5.X	Customer Reconfiguration Mid-Year Demand				
12		In Service Mid-Year Demand Year 1			InterConnection Services	
13		In Service Mid-Year Demand Year 2			InterConnection Services	
14		In Service Mid-Year Demand Year 3			InterConnection Services	
15		Study Period (years)			Cost Matters	3
16						
17		Customer Reconfiguration Unit Expense				
18		Right-To-Use Annual Fee	460C	00	Network Planning & Support	
19		General Purpose Annual Eqpt	530C	00	Network Planning & Support	
20		Annual Software Support Expense			Network Planning & Support	
21						
22	J.5.2	DS-1 DCS Port Termination e/w DS-0 Switching				
23		DSX-1 Panel Termination	357C	03	Cost Fundamentals	\$14.35
24		NB DCS DS-1 Port Investment - Lucent	357C	33	DS-1 Price Calculator	
25		Adjustment Factor			DS-1 Price Calculator	
26		NB DCS DS-1 Port Investment - Lucent			DS-1 Price Calculator	\$738.67
27		NB DCS Vendor Mix - Lucent			Network Planning & Support	94.00%
28		Lucent DS-1 Capacity per NB DCS			Network Planning & Support	2.627
29		NB DCS DS-1 Port Investment - Tellabs	357C	33	DS-1 Price Calculator	
30		Adjustment Factor			DS-1 Price Calculator	
31		NB DCS DS-1 Port Investment - Tellabs			DS-1 Price Calculator	\$1,121.47
32		NB DCS Vendor Mix - Tellabs			Network Planning & Support	6.00%
33		Tellabs DS-1 Capacity per NB DCS			Network Planning & Support	512
34		NB DCS DS-1 Port Investment - DSC	357C	33	DS-1 Price Calculator	
35		Adjustment Factor			DS-1 Price Calculator	
36		NB DCS DS-1 Port Investment - DSC			DS-1 Price Calculator	\$1,484.09
37		NB DCS Vendor Mix - DSC			Network Planning & Support	0.00%
38		DSC DS-1 Capacity per NB DCS			Network Planning & Support	336
39						
40	J.5.3	DS-1 DCS Port Termination e/w DS-1 Switching				
41		DSX-1 Panel Termination	357C	03	Cost Fundamentals	\$14.35
42		WB DCS DS-1 Port Investment - Lucent	357C	33	DS-1 Price Calculator	
43		Adjustment Factor			DS-1 Price Calculator	
44		WB DCS DS-1 Port Investment - Lucent			DS-1 Price Calculator	\$331.36
45		WB DCS Vendor Mix - Lucent			Network Planning & Support	35.00%
46		Lucent DS-1 Capacity per WB DCS			Network Planning & Support	13.888
47		WB DCS DS-1 Port Investment - Tellabs	357C	33	DS-1 Price Calculator	
48		Adjustment Factor			DS-1 Price Calculator	
49		WB DCS DS-1 Port Investment - Tellabs			DS-1 Price Calculator	\$363.82
50		WB DCS Vendor Mix - Tellabs			Network Planning & Support	65.00%
51		Tellabs DS-1 Capacity per WB DCS			Network Planning & Support	28.672
52		WB DCS DS-1 Port Investment - Alcatel	357C	33	DS-1 Price Calculator	
53		Adjustment Factor			DS-1 Price Calculator	
54		WB DCS DS-1 Port Investment - Alcatel			DS-1 Price Calculator	\$270.46
55		WB DCS Vendor Mix - Alcatel			Network Planning & Support	0.00%
56		Alcatel DS-1 Capacity per WB DCS			Network Planning & Support	28
57						
58	J.5.4	DS-3 DCS Port Termination e/w DS-1 Switching				
59		DSX-3 Panel Termination	357C	03	Cost Fundamentals	\$200.98
60		WB DCS DS-3 Port Investment - Lucent	357C	33	DS-1 Price Calculator	
61		Adjustment Factor			DS-1 Price Calculator	
62		WB DCS DS-3 Port Investment - Lucent			DS-1 Price Calculator	\$6,279.66
63		WB DCS Vendor Mix - Lucent			Network Planning & Support	35.00%
64		Lucent DS-3 Capacity per WB DCS			Network Planning & Support	480
65		WB DCS DS-3 Port Investment - Tellabs	357C	33	DS-1 Price Calculator	
66		Adjustment Factor			DS-1 Price Calculator	
67		WB DCS DS-3 Port Investment - Tellabs			DS-1 Price Calculator	\$4,788.95
68		WB DCS Vendor Mix - Tellabs			Network Planning & Support	65.00%
69		Tellabs DS-3 Capacity per WB DCS			Network Planning & Support	1,024
70		WB DCS DS-3 Port Investment - Alcatel	357C	33	DS-1 Price Calculator	
71		Adjustment Factor			DS-1 Price Calculator	
72		WB DCS DS-3 Port Investment - Alcatel			DS-1 Price Calculator	\$3,916.48
73		WB DCS Vendor Mix - Alcatel			Network Planning & Support	0.00%
74		Alcatel DS-3 Capacity per WB DCS			Network Planning & Support	1,344
75						

001731

	A	B	C	D	E
1	Tennessee				
2	Development of DS-1 Narrow Band DCS Port Termination Costs e/w DS-0 Switching				
3	Study Period: 2000 - 2002				
4					
5	Element #: J.5.2				
6	Item / Description				
7	Description	FRC	Sub FRC	Source	Amount
8					
9	Vendor Investment per Network Element				
10					
11	NB DCS DS-1 Port Investment - Lucent	357C	33	INPUT_ Recur Line 26	\$738.67
12					
13	NB DCS DS-1 Port Investment - Tellabs	357C	33	INPUT_ Recur Line 31	\$1,121.47
14					
15	NB DCS DS-1 Port Investment - DSC	357C	33	INPUT_ Recur Line 36	\$1,484.09
16					
17	Vendor Mix of Network Elements				
18					
19	NB DCS Vendor Mix - Lucent			INPUT_ Recur Line 27	94.00%
20					
21	NB DCS Vendor Mix - Tellabs			INPUT_ Recur Line 32	6.00%
22					
23	NB DCS Vendor Mix - DSC			INPUT_ Recur Line 37	0.00%
24					
25	Weighted Network Element Investment by Vendor				
26					
27	NB DCS DS-1 Port Investment - Lucent			Line 11 x Line 19	\$694.350
28					
29	NB DCS DS-1 Port Investment - Tellabs			Line 13 x Line 21	\$67.288
30					
31	NB DCS DS-1 Port Investment - DSC			Line 15 x Line 23	\$0.000
32					
33	Utilized NB DCS DS-1 Termination	357C	33	Line 27 + Line 29 + Line 31	\$761.638
34					
35	DSX-1 Panel Termination	357C	03	INPUT_ Recur Line 23	\$14.350
36					
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	A	B	C	D	E
1	Tennessee				
2	Development of DS-1 Wide Band DCS Port Termination Costs e/w DS-1 Switching				
3	Study Period: 2000 - 2002				
4					
5	Element #: J.5.3				
6	Item / Description				
7	Description	FRC	Sub FRC	Source	Amount
8					
9	Vendor Investment per Network Element				
10					
11	WB DCS DS-1 Port Investment - Lucent	357C	33	INPUT_ Recur Line 44	\$331.36
12					
13	WB DCS DS-1 Port Investment - Tellabs	357C	33	INPUT_ Recur Line 49	\$363.82
14					
15	WB DCS DS-1 Port Investment - Alcatel	357C	33	INPUT_ Recur Line 54	\$270.46
16					
17	Vendor Mix of Network Elements				
18					
19	WB DCS Vendor Mix - Lucent			INPUT_ Recur Line 45	35.00%
20					
21	WB DCS Vendor Mix - Tellabs			INPUT_ Recur Line 50	65.00%
22					
23	WB DCS Vendor Mix - Alcatel			INPUT_ Recur Line 55	0.00%
24					
25	Weighted Network Element Investment by Vendor				
26					
27	WB DCS DS-1 Port Investment - Lucent			Line 11 x Line 19	\$115.976
28					
29	WB DCS DS-1 Port Investment - Tellabs			Line 13 x Line 21	\$236.483
30					
31	WB DCS DS-1 Port Investment - Alcatel			Line 15 x Line 23	\$0.000
32					
33	Utilized WB DCS DS-1 Termination	357C	33	Line 27 + Line 29 + Line 31	\$352.459
34					
35	DSX-1 Panel Termination	357C	03	INPUT_ Recur Line 41	\$14.350
36					
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001733

	A	B	C	D	E
1	Tennessee				
2	Development of DS-3 Wide Band DCS Port Termination Costs e/w DS-1 Switching				
3	Study Period: 2000 - 2002				
4					
5	Element #: J.5.4				
6	Item / Description			Source	Amount
7	Description	FRC	Sub FRC		
8					
9	Vendor Investment per Network Element				
10					
11	WB DCS DS-3 Port Investment - Lucent	357C	33	INPUT_ Recur Line 62	\$6,279.66
12					
13	WB DCS DS-3 Port Investment - Tellabs	357C	33	INPUT_ Recur Line 67	\$4,788.95
14					
15	WB DCS DS-3 Port Investment - Alcatel	357C	33	INPUT_ Recur Line 72	\$3,916.48
16					
17	Vendor Mix of Network Elements				
18					
19	WB DCS Vendor Mix - Lucent			INPUT_ Recur Line 63	35.00%
20					
21	WB DCS Vendor Mix - Tellabs			INPUT_ Recur Line 68	65.00%
22					
23	WB DCS Vendor Mix - Alcatel			INPUT_ Recur Line 73	0.00%
24					
25	Weighted Network Element Investment by Vendor				
26					
27	WB DCS DS-3 Port Investment - Lucent			Line 11 x Line 19	\$2,197.881
28					
29	WB DCS DS-3 Port Investment - Tellabs			Line 13 x Line 21	\$3,112.818
30					
31	WB DCS DS-3 Port Investment - Alcatel			Line 15 x Line 23	\$0.000
32					
33	Utilized WB DCS DS-3 Termination	357C	33	Line 27 + Line 29 + Line 31	\$5,310.699
34					
35	DSX-3 Panel Termination	357C	03	INPUT_ Recur Line 59	\$200.980
36					
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	A	B	C	D	E
1	Tennessee				
2	Development of Customer Reconfiguration Unit Costs				
3	Study Period: 2000 - 2002				
4					
5	Element # J.5.2; J.5.3; J.5.4				
6	Item/Description				
7	Description	FRC	SubFRC	Source	Amount
8					
9	Customer Reconfiguration Mid-Year Demand				
10					
11	In Service Mid-Year Demand Year 1			INPUT_ Recur Line 12	
12					
13	In Service Mid-Year Demand Year 2			INPUT_ Recur Line 13	
14					
15	In Service Mid-Year Demand Year 3			INPUT_ Recur Line 14	
16					
17	Total In Service Mid-Year Demand			Line 11 + Line 13 + Line 15	
18					
19	Study Period (years)			INPUT_ Recur Line 15	3
20					
21	Average In Service Mid-Year Demand			Line 17 / Line 19	
22					
23	Customer Reconfiguration Unit Expense				
24					
25	Right-To-Use Annual Fee	460C	00	INPUT_ Recur Line 18	
26					
27	Average In Service Mid-Year Demand			Line 21	
28					
29	Average Unit Amount			Line 25 / Line 27	\$69.557
30					
31	General Purpose Annual Eqpt	530C	00	INPUT_ Recur Line 19	
32					
33	Average In Service Mid-Year Demand			Line 21	
34					
35	Average Unit Amount			Line 31 / Line 33	\$11.969
36					
37	Annual Software Support Expense			INPUT_ Recur Line 20	
38					
39	Average In Service Mid-Year Demand			Line 21	
40					
41	Average Monthly Unit Amount			(Line 37 / Line 39) / 12	\$0.854
42					
43					
44					
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56					

	A	B	C	D	E	F	G	H	I	J	K
1	Tennessee										
2	Index Sheet										
3	Study Period: 1/2000-12/2009										
4											
5											
6											
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24											

Description:

Access Daily Usage File (ADUF)

CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA

CALCULATOR INPUT FORM - RECURRING EXPENSES DATA

CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA

CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA

CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES

INPUT SHEET

Demand

Message Processing, Per Message

001736

A	B	C	D	E	F	G	H	I	J
1	CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA								
2									
3	Instructions:								
4	1. Use this worksheet to record material and/or investments to be input into the								
5	Calculator calculations.								
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).								
7	3. Input data, by Cost Element, leaving no blank lines. On next row								
8	after last line of data, type END in Cost Element Column.								
9	4. All data on this form should be cell-referenced to study workpapers.								
10	5. Do NOT change columns, headings, sheet name.								
11									
12									
13									
14	<u>State</u>	<u>Cost</u>	<u>FRC</u>	<u>Sub</u>	<u>Volume</u>	<u>Volume</u>			
15	TN	L.1.1	460C	00	<u>\$ Amount</u>	<u>\$ Amount</u>			
16		END				0.004275878			
17									
18									
19									
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21									
22									
23									
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25									

001737

A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - RECURRING EXPENSES DATA						
2							
3	Instructions:						
4	1. Use this worksheet to record recurring non-labor expenses to be input into the						
5	Calculator calculations.						
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
7	3. Input data, by Cost Element, leaving no blank lines. On next row						
8	after last line of data, type END in Cost Element Column.						
9	4. All data on this form should be cell-referenced to study workpapers.						
10	5. Do NOT change columns, headings, sheet name.						
11							
12							
13							
14							
15							
16	Cost	Recurring	Recurring	Recurring			
17	Element #	Expense Description	Volume	Volume			
18	State	(Limited to 25 characters)	Sensitive	Insensitive			
19	TN	IT Development & Contractor Labor Per Message	\$ Amount	\$ Amount			
20	L.1.1	Computer Resource Cost Per Message	0.007138046	0.001248842			
21	L.1.1						
22	END						
23							
24							
25							
26							
27							
28							
29	Maximum 10 entries per Cost Element #						
30							

001738

A	B	C	D	E	F	G	H
CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA							
1	Instructions: 1. Use this worksheet to record nonrecurring non-labor expenses to be input into the Calculator calculations. 2. All amounts shown are per unit (e.g., per call, per loop, per MOU). 3. Input data, by Cost Element, leaving no blank lines. On next row after last line of data, type END in Cost Element Column. 4. All data on this form should be cell-referenced to study workpapers. 5. Do NOT change columns, headings, sheet name. 6. Use column D when cost element has a single nonrecurring cost; use columns E & F for elements with a first and additional nonrecurring cost; use columns G & H for elements with an initial and subsequent nonrecurring cost.						
2							
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7							
8							
9							
10							
11							
12							
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14							
15							
16	<u>State</u>	<u>Cost</u>	<u>Nonrecurring</u>	<u>Nonrecurring</u>	<u>Nonrecurring</u>	<u>Nonrecurring</u>	<u>Nonrecurring</u>
17	<u>Element #</u>	<u>Expense Description</u>	<u>First</u>	<u>Additional</u>	<u>Initial</u>	<u>Subsequent</u>	<u>Amount</u>
18	TN	(Limited to 25 characters)	\$ Amount	\$ Amount	\$ Amount	\$ Amount	\$ Amount
19	END						
20							
21							
22							
23							
24							
25							
26							
27							
28	Maximum 10 entries per Cost Element #						
29							
30							

001739

A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA						
2							
3	Instructions:						
4	1. Use this worksheet to record recurring expensed labor times to be input into the						
5	Calculator calculations.						
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
7	3. Input data, by Cost Element, leaving no blank lines. On next row						
8	after last line of data, type END in Cost Element Column.						
9	4. All data on this form should be cell-referenced to study workpapers.						
10	5. Do NOT change columns, headings, sheet name.						
11							
12							
13							
14	State	Cost	Labor Expense Description	JFC/	Work Time (Hours)		
15	Element #		(Limited to 25 characters)	Payband	Volume Sensitive	Volume Insensitive	
16	TN	L.1.1	BB1 Labor Per Message	JG59	0.00000005	0.00000005	
17	TN	L.1.1	BB1 Labor Per Message	JG58	0.0000065	0.0000065	
18	TN	L.1.1	BB1 Labor Per Message	JG57	0.00000002	0.00000002	
19	TN	L.1.1	BB1 Labor Per Message	WS16	0.0000038	0.0000038	
20		END					
21							
22							
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Maximum 20 entries per Cost Element #

001749

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES														
Instructions:														
1. Use this worksheet to record nonrecurring labor times to be input into the Calculator calculations.														
2. All amounts shown are per unit (e.g., per call, per loop, per MOU).														
3. Input data, by Cost Element, leaving no blank lines. On next row after last line of data, type END in Cost Element Column.														
4. All data on this form should be cell-referenced to study workpapers.														
5. Do NOT change columns, headings, sheet name.														
6. Use columns F & G when cost element has a single nonrecurring cost; use columns H, I, J, & K for elements with a first and additional nonrecurring cost; use columns L, M, N & O for elements with an initial and subsequent nonrecurring cost.														
7. Input Cost Element Life (in months) on first row of data for each cost element. It is not necessary to repeat on each line.														
Study Mid-Point Date (Mos.) 6/1/01														
Cost Element #	Cost Element Life (Mo)	Labor Expense Description (Limited to 25 characters)	JFC/ Payband	(For use w/ one NR) Installation Time (Hours)	Disconnect Time (Hours)	First Installation Time (Hours)	First Disconnect Time (Hours)	Additional Installation Time (Hours)	Additional Disconnect Time (Hours)	Initial Installation Time (Hours)	Initial Disconnect Time (Hours)	Subsequent Installation Time (Hours)	Subsequent Disconnect Time (Hours)	
State														
TN														
END														
Maximum of 25 entries per Cost Element #														

001741

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Tennessee														
2	INPUT SHEET														
3	Study Period: 1/2000-12/2009														
4															
5	Element #: L.1.1														
6	Item/Description														
7	Description	FRC	SubFRC	JG/WS	Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
8	Element Number					L.1.1									
9															
10	Job Stream Impacted:														
11	QA01				BBI										
12	QD10				BBI										
13	MD03B				BBI										
14	MN35				BBI										
15															
16	Months of DASD Storage				IT	3									
17	ADUF Retention Cycles				IT	180									
18	Cycles Per Month				IT	20									
19	Andersen Developmental Labor Hours Multiplication Factor				IT										
20															
21	Job Utilization Statistics and Support														
22	QA01 Monthly Contractor Steady State Labor Hours				IT										
23	QA01 Monthly BBI Support Labor Hours			JG59	BBI	480	480	480	480	480	480	480	480	480	480
24	QA01 Monthly BBI Support Labor Hours			JG58	BBI	320	320	320	320	320	320	320	320	320	320
25	QA01 Monthly BBI Support Labor Hours			JG57	BBI	160	160	160	160	160	160	160	160	160	160
26	QA01 Monthly BBI Support Labor Hours			WS16	BBI	1,818	1,818	1,818	1,818	1,818	1,818	1,818	1,818	1,818	1,818
27	QA01 Standard CPU Hours				FCM										
28	QA01 DASD Gigabytes				FCM										
29	QA01 Tape Gigabytes				FCM										
30	QA01 Print Feet - Non-bill Simplex Printer				FCM										
31	QA01 12/99 Total Job Messages Processed				BBI	10,437,523,705									
32															
33	QD10 Monthly Contractor Steady State Labor Hours				IT										
34	QD10 Monthly BBI Support Labor Hours			JG58	BBI	160	160	160	160	160	160	160	160	160	160
35	QD10 Monthly BBI Support Labor Hours			WS16	BBI	318	318	318	318	318	318	318	318	318	318
36	QD10 Standard CPU Hours				FCM										
37	QD10 DASD Gigabytes				FCM										
38	QD10 Tape Gigabytes				FCM										
39	QD10 Print Feet - Non-bill Simplex Printer				FCM										
40	QD10 12/99 Total Job Messages Processed				BBI	5,091,198									
41															
42	MD03B Monthly Contractor Steady State Labor Hours				IT										
43	MD03B Monthly BBI Support Labor Hours			JG58	BBI	225	225	225	225	225	225	225	225	225	225
44	MD03B Monthly BBI Support Labor Hours			WS16	BBI	18	18	18	18	18	18	18	18	18	18
45	MD03B Standard CPU Hours				FCM										
46	MD03B DASD Gigabytes				FCM										
47	MD03B Tape Gigabytes				FCM										
48	MD03B Print Feet - Non-bill Simplex Printer				FCM										
49	MD03B Total Job Messages Processed				BBI	2,542,154									
50															

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A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
	Description	FRC	SubFRC	JG/WS	Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
7					IT										
51	MN35 Monthly Contractor Steady State Labor Hours														
52	MN35 Monthly BBI Support Labor Hours			JG58	BBI	6	6	6	6	6	6	6	6	6	6
53	MN35 Standard CPU Hours				FCM										
54	MN35 DASD Gigabytes				FCM										
55	MN35 Tape Gigabytes				FCM										
56	MN35 Print Feet - Non-bill Simplex Printer				FCM										
57	MN35 12/99 Total Job Messages Processed				BBI	19,116,694									
58															
59															
60	ADUF Directly Assigned														
61	ADUF IT Non-Recurring Scheduled Product Development Labor Hours	460C	00		BBI/IT										
62	ADUF BBI Product Development Labor Hours Per New CLECs/OCN			JG58	BBI	20	20	20	20	20	20	20	20	20	20
63	ADUF BBI Non-Recurring Development Labor Hours			JG58	BBI	225									
64	ADUF BBI Monthly Support Labor Hours			JG58	BBI	42	42	42	42	42	42	42	42	42	42
65	ADUF BBI Non-recurring Developmental Labor Hours			JG58	BBI	368									
66	ADUF IT Non-recurring Developmental Labor Hours	460C	00		IT										
67															
68	Standard CPU Hours Per IT Developmental Hour				FCM/IT										
69	Monthly DASD Gigabytes Per Developmental Hour				FCM/IT										
70	Tape Gigabytes Per Developmental Hour				FCM/IT										
71	Non-bill Print Feet Per Developmental Hour				FCM/IT										
72															
73															
74	EDS Charge Per Standard CPU Hour				FCM										
75	EDS Monthly Charge Per DASD Gigabyte				FCM										
76	EDS Monthly Charge Per Tape Gigabyte				FCM										
77	Incremental Cost Print Foot - Non-bill Simplex Printer				FCM										
78	Contractor Hourly Labor Rate				FCM										
79															
80	Months Per Year				FCM	12	12	12	12	12	12	12	12	12	12
81															
82	December, 1999 CLECs OCN Purchasing ADUF														
83	Jan CLECs OCN Purchasing ADUF				BBI	4									
84	Feb CLECs OCN Purchasing ADUF				BBI	5	6	12	12	12	12	12	12	12	12
85	Mar CLECs OCN Purchasing ADUF				BBI	6	6	12	12	12	12	12	12	12	12
86	Apr CLECs OCN Purchasing ADUF				BBI	6	8	12	12	12	12	12	12	12	12
87	May CLECs OCN Purchasing ADUF				BBI	6	8	12	12	12	12	12	12	12	12
88	Jun CLECs OCN Purchasing ADUF				BBI	6	8	12	12	12	12	12	12	12	12
89	Jul CLECs OCN Purchasing ADUF				BBI	6	10	12	12	12	12	12	12	12	12
90	Aug CLECs OCN Purchasing ADUF				BBI	6	10	12	12	12	12	12	12	12	12
91	Sep CLECs OCN Purchasing ADUF				BBI	6	12	12	12	12	12	12	12	12	12
92	Oct CLECs OCN Purchasing ADUF				BBI	6	12	12	12	12	12	12	12	12	12
93	Nov CLECs OCN Purchasing ADUF				BBI	6	12	12	12	12	12	12	12	12	12
94	Dec CLECs OCN Purchasing ADUF				BBI	6	12	12	12	12	12	12	12	12	12
95															
96	December, 1999 ADUF Messages				BBI	2,558,721									
97	Jan ADUF Messages				BBI	2,600,374	3,120,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000
98	Feb ADUF Messages				BBI	2,896,634	3,120,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000
99	Mar ADUF Messages				BBI	1,860,824	4,160,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
7		Description	FRC	SubFRC	JG/WS	Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
100	Apr	ADUF Messages				BBI	2,600,000	4,160,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000
101	May	ADUF Messages				BBI	2,600,000	4,160,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000
102	Jun	ADUF Messages				BBI	2,600,000	5,200,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000
103	Jul	ADUF Messages				BBI	2,600,000	5,200,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000
104	Aug	ADUF Messages				BBI	2,600,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000
105	Sep	ADUF Messages				BBI	2,600,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000
106	Oct	ADUF Messages				BBI	3,120,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000
107	Nov	ADUF Messages				BBI	3,120,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000
108	Dec	ADUF Messages				BBI	3,120,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000
109	ADUF Messages Per CLEC/OCN					BBI	520,000	520,000	520,000	520,000	520,000	520,000	520,000	520,000	520,000	520,000
110	Total EODUF Messages					BBI	99,160	171,500	249,000							
111	December, 2002 EODUF Messages					BBI		23,500								
112	Incremental Monthly EODUF Messages					BBI				500	500	500	500	500	500	500
113	Total ODUF Messages					BBI	209,342,319	223,800,000	238,200,000							
114	December, 2002 ODUF Messages					BBI		20,400,000								
115	Incremental Monthly ODUF Messages					BBI				100,000	100,000	100,000	100,000	100,000	100,000	100,000
116	12/99 ODUF Messages Processed by QD10					BBI	2,549,044									
117	12/99 ODUF Messages Processed					BBI	16,569,354									
118	12/99 EODUF Messages Processed					BBI	5,186									
119	12/99 EODUF Messages Processed					BBI										
120	12/99 EODUF Messages Processed					BBI										

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A	B	C	D	E	F	G	H	I	J	K	L	M
1	Tennessee											
2	Demand											
3	Study Period: 1/2000-12/2009											
4												
5												
6												
7	Item/Description	Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
8												
9	CLECs OCN Purchasing ADUF	Input Sheet L83	5	6	12	12	12	12	12	12	12	12
10	CLECs OCN Purchasing ADUF	Input Sheet L84	6	6	12	12	12	12	12	12	12	12
11	CLECs OCN Purchasing ADUF	Input Sheet L85	6	8	12	12	12	12	12	12	12	12
12	CLECs OCN Purchasing ADUF	Input Sheet L86	6	8	12	12	12	12	12	12	12	12
13	CLECs OCN Purchasing ADUF	Input Sheet L87	6	8	12	12	12	12	12	12	12	12
14	CLECs OCN Purchasing ADUF	Input Sheet L88	6	10	12	12	12	12	12	12	12	12
15	CLECs OCN Purchasing ADUF	Input Sheet L89	6	10	12	12	12	12	12	12	12	12
16	CLECs OCN Purchasing ADUF	Input Sheet L90	6	12	12	12	12	12	12	12	12	12
17	CLECs OCN Purchasing ADUF	Input Sheet L91	6	12	12	12	12	12	12	12	12	12
18	CLECs OCN Purchasing ADUF	Input Sheet L92	6	12	12	12	12	12	12	12	12	12
19	CLECs OCN Purchasing ADUF	Input Sheet L93	6	12	12	12	12	12	12	12	12	12
20	CLECs OCN Purchasing ADUF	Input Sheet L94	6	12	12	12	12	12	12	12	12	12
21	December, 1999 CLECs OCN Purchasing ADUF	Input Sheet L82	4									
22	Inward Movement of CLEC OCNs	Curr EOY- Prev EOY	2	6	0	0	0	0	0	0	0	0
23												
24	ADUF Messages	Input Sheet L97	2,600,374	3,120,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000
25	ADUF Messages	Input Sheet L98	2,896,634	3,120,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000
26	ADUF Messages	Input Sheet L99	1,860,824	4,160,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000
27	ADUF Messages	Input Sheet L100	2,600,000	4,160,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000
28	ADUF Messages	Input Sheet L101	2,600,000	4,160,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000
29	ADUF Messages	Input Sheet L102	2,600,000	5,200,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000
30	ADUF Messages	Input Sheet L103	2,600,000	5,200,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000
31	ADUF Messages	Input Sheet L104	2,600,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000
32	ADUF Messages	Input Sheet L105	2,600,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000
33	ADUF Messages	Input Sheet L106	3,120,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000
34	ADUF Messages	Input Sheet L107	3,120,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000
35	ADUF Messages	Input Sheet L108	3,120,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000	6,240,000
36	ADUF Messages Per CLEC/OCN	Input Sheet L109	520,000	520,000	520,000	520,000	520,000	520,000	520,000	520,000	520,000	520,000
37												
38	Total Annual ADUF Messages	Sum L24..L35	32,317,832	60,320,000	74,880,000	74,880,000	74,880,000	74,880,000	74,880,000	74,880,000	74,880,000	74,880,000
39	Sum of ADUF Messages (2000-2009)	Sum L38	691,677,832									
40												
41	Total EODUF Messages	Input Sheet L111	99,160	171,500	249,000							

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A	B	C	D	E	F	G	H	I	J	K	L	M
	Item/Description	Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
7												
42	December, 2002 EODUF Messages	Input Sheet L112			23,500	500	500	500	500	500	500	500
43	Incremental Monthly EODUF Messages	Input Sheet L113				24,000	30,000	36,000	42,000	48,000	54,000	60,000
44	Jan EODUF Messages	Prev Mth + L43				24,000	30,500	36,500	42,500	48,500	54,500	60,500
45	Feb EODUF Messages	Prev Mth + L43				25,000	31,000	37,000	43,000	49,000	55,000	61,000
46	Mar EODUF Messages	Prev Mth + L43				25,500	31,500	37,500	43,500	49,500	55,500	61,500
47	Apr EODUF Messages	Prev Mth + L43				26,000	32,000	38,000	44,000	50,000	56,000	62,000
48	May EODUF Messages	Prev Mth + L43				26,500	32,500	38,500	44,500	50,500	56,500	62,500
49	Jun EODUF Messages	Prev Mth + L43				27,000	33,000	39,000	45,000	51,000	57,000	63,000
50	Jul EODUF Messages	Prev Mth + L43				27,500	33,500	39,500	45,500	51,500	57,500	63,500
51	Aug EODUF Messages	Prev Mth + L43				28,000	34,000	40,000	46,000	52,000	58,000	64,000
52	Sep EODUF Messages	Prev Mth + L43				28,500	34,500	40,500	46,500	52,500	58,500	64,500
53	Oct EODUF Messages	Prev Mth + L43				29,000	35,000	41,000	47,000	53,000	59,000	65,000
54	Nov EODUF Messages	Prev Mth + L43				29,500	35,500	41,500	47,500	53,500	59,500	65,500
55	Dec EODUF Messages	Prev Mth + L43				321,000	393,000	465,000	537,000	609,000	681,000	753,000
56	Total EODUF Messages	Sum L44..L55				321,000	393,000	465,000	537,000	609,000	681,000	753,000
57	Total Annual EODUF Messages	L41 and L56	99,160	171,500	249,000	321,000	393,000	465,000	537,000	609,000	681,000	753,000
58												
59	Total ODUF Messages	Input Sheet L115										
60	December, 2002 ODUF Messages	Input Sheet L116	209,342,319	223,800,000	238,200,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
61	Incremental Monthly ODUF Messages	Input Sheet L117			20,400,000	20,500,000	21,700,000	22,900,000	24,100,000	25,300,000	26,500,000	27,700,000
62	Jan ODUF Messages	Prev Mth + L61				20,600,000	21,800,000	23,000,000	24,200,000	25,400,000	26,600,000	27,800,000
63	Feb ODUF Messages	Prev Mth + L61				20,700,000	21,900,000	23,100,000	24,300,000	25,500,000	26,700,000	27,900,000
64	Mar ODUF Messages	Prev Mth + L61				20,800,000	22,000,000	23,200,000	24,400,000	25,600,000	26,800,000	28,000,000
65	Apr ODUF Messages	Prev Mth + L61				20,900,000	22,100,000	23,300,000	24,500,000	25,700,000	26,900,000	28,100,000
66	May ODUF Messages	Prev Mth + L61				21,000,000	22,200,000	23,400,000	24,600,000	25,800,000	27,000,000	28,200,000
67	Jun ODUF Messages	Prev Mth + L61				21,100,000	22,300,000	23,500,000	24,700,000	25,900,000	27,100,000	28,300,000
68	Jul ODUF Messages	Prev Mth + L61				21,200,000	22,400,000	23,600,000	24,800,000	26,000,000	27,200,000	28,400,000
69	Aug ODUF Messages	Prev Mth + L61				21,300,000	22,500,000	23,700,000	24,900,000	26,100,000	27,300,000	28,500,000
70	Sep ODUF Messages	Prev Mth + L61				21,400,000	22,600,000	23,800,000	25,000,000	26,200,000	27,400,000	28,600,000
71	Oct ODUF Messages	Prev Mth + L61				21,500,000	22,700,000	23,900,000	25,100,000	26,300,000	27,500,000	28,700,000
72	Nov ODUF Messages	Prev Mth + L61				21,600,000	22,800,000	24,000,000	25,200,000	26,400,000	27,600,000	28,800,000
73	Dec ODUF Messages	Prev Mth + L61				252,600,000	267,000,000	281,400,000	295,800,000	310,200,000	324,600,000	339,000,000
74	Total ODUF Messages	Sum L62..L73				252,600,000	267,000,000	281,400,000	295,800,000	310,200,000	324,600,000	339,000,000
75	Total Annual ODUF Messages	L59 and L74	209,342,319	223,800,000	238,200,000	252,600,000	267,000,000	281,400,000	295,800,000	310,200,000	324,600,000	339,000,000
76												
77	Total EODUF, ADUF and ODUF											
78	Messages For Shared Jobs	L38 + L57 + L75	241,759,311	284,291,500	313,329,000	327,801,000	342,273,000	356,745,000	371,217,000	385,689,000	400,161,000	414,633,000
79												
80	12/99 ODUF Messages Processed by QP19	Input Sheet L118	2,549,044									
81	12/99 ODUF Messages Processed	Input Sheet L119	16,569,354									

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A	B	C	D	E	F	G	H	I	J	K	L	M
7	Item/Description	Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
82	Percentage of ODUF Messages - QD10	L80 / L81	15.38%	15.38%	15.38%	15.38%	15.38%	15.38%	15.38%	15.38%	15.38%	15.38%
83	ODUF Messages Processed by QD10	L75 x L82	32,205,407	34,429,589	36,644,898	38,860,206	41,075,515	43,290,824	45,506,132	47,721,441	49,936,750	52,152,058
84	Total ODUF and ADUF Messages For QD10	L38 + L83	64,523,239	94,749,589	111,524,898	113,740,206	115,955,515	118,170,824	120,386,132	122,601,441	124,816,750	127,032,058
85												
86	December, 1999 ADUF Messages	Input Sheet L96	2,558,721									
87	12/99 ODUF Messages Processed	Input Sheet L119	16,569,354									
88	12/99 EODUF Messages Processed	Input Sheet L120	5,186									
89	Total 12/99 DUF Messages Processed	L86 + L87 + L88	19,133,261									

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A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1 Tennessee														
2 Message Processing Per Message														
3 Study Period: 1/2000-12/2009														
4														
5 Element #: L 1.1														
6														
7 Item/Description														
8 Description														
9 Investment Volume Insensitive														
10 ADUF IT Non-Recurring Development Labor Hours	460C													
11 ADUF IT Non-Recurring Development Labor Hours	460C													
12 ADUF IT Non-Recurring Development Labor Hours														
13 Andersen Development Labor Hours Multiplication Factor														
14 Total Non-recurring Development Labor Hours														
15 Contractor Hourly Labor Rate														
16 Non-recurring Development Labor Cost														
17 Current Year Investment Over Five Years														
18 Current Year Investment Over Five Years														
19 Current Year Investment Over Five Years														
20 Current Year Investment Over Five Years														
21 Current Year Investment Over Five Years														
22 Current Year Investment Over Five Years														
23 Current Year Investment Over Five Years														
24 Current Year Investment Over Five Years														
25 Current Year Investment Over Five Years														
26 Current Year Investment Over Five Years														
27 Total Labor Investment														
28 Sum of Contractor Software Development Cost														
29 Total Annual ADUF Messages														
30 Sum of ADUF Messages														
31 Computer RTU Per Message														
32														
33 Investment Volume Sensitive														
34														
35														
36														
37 Additive Volume Insensitive														
38 QA01 Monthly Contractor Steady State Labor Hours														
39 Months Per Year														
40 Annual Contractor Labor Cost														
41 Annual Contractor Labor Cost														
42 Total Contractor Labor Cost														
43 QA01 12/99 Total Job Messages Processed														
44 Total 12/99 DUF Messages Processed														
45 12/99 Messages Processed Excluding DUFs														
46 Annual Messages Processed - QA01														
47 Messages For Shared Jobs														
48 Total Messages Processed - QA01														
49 Sum of Messages Processed														
50 Contractor Labor Cost Per Message - QA01														
51														
52 QD10 Monthly Contractor Steady State Labor Hours														
53 Annual Contractor Labor Hours														
54 Annual Contractor Labor Cost														
55 Total Contractor Labor Cost														
56 QD10 12/99 Total Job Messages Processed														
57 Total ODUF and ADUF Messages For QD10														
58 Sum of Messages Processed														
59 Contractor Labor Cost Per Message - QD10														
60														
61 MD03B Monthly Contractor Steady State Labor Hours														
62 Annual Contractor Labor Hours														
63 Annual Contractor Labor Cost														
64 Total Contractor Labor Cost														

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7	A Description	B FRC	C SubFRC	D IGWS	E Source	F	G	H	I	J	K	L	M	N	O
						2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
65	Total Annual ADUF Messages				WPI L38	32,317,832	60,320,000	74,880,000	74,880,000	74,880,000	74,880,000	74,880,000	74,880,000	74,880,000	74,880,000
66	Sum of Messages Processed (2000 - 2009)				Sum L65	691,677,832									
67	Contractor Labor Cost Per Message - MD03B				L64 / L66	\$0.000679									
68															
69	MN35 Monthly Contractor Steady State Labor Hours				Input Sheet L51										
70	Annual Contractor Labor Hours				L69 x L39	\$14,359.68	\$15,359.04	\$16,411.68	\$17,606.88	\$18,865.44	\$19,524.96	\$20,247.84	\$20,996.64	\$21,774.24	\$22,579.20
71	Annual Contractor Labor Cost				L70 x L15	\$187,725.60									
72	Total Contractor Labor Cost				Sum L71	19,116,694									
73	MN35 12/09 Total Job Messages Processed				Input Sheet L57										
74	Total Messages Processed				L47	241,759,311	284,291,500	313,329,000	327,801,000	342,273,000	356,745,000	371,217,000	385,689,000	400,161,000	414,633,000
75	Sum of Messages Processed				Sum L74	3,437,898,811									
76	Contractor Labor Per Message - MN35				L72 / L75	\$0.000655									
77															
78	Average Contractor Labor Cost Per Message				L50+L59+L67+L76	\$0.001229									
79															
80	Total Development Labor Hours				L14										
81	Standard CPU Hours Per IT Developmental Hour				Input Sheet L68										
82	Developmental Standard CPU Hours				L80 x L81										
83	EDS Charge Per Standard CPU Hour				Input Sheet L74										
84	Developmental Standard CPU Cost				L82 x L83										
85															
86	Monthly DASD Gigabytes Per Developmental Hour				Input Sheet L69										
87	Developmental DASD Gigabytes				L80 x L86										
88	EDS Monthly Charge Per DASD Gigabyte				Input Sheet L75										
89	Developmental DASD Gigabyte Cost				L87 x L88										
90															
91	Tape Gigabytes Per Developmental Hour				Input Sheet L70										
92	Developmental Tape Gigabytes				L91 x L80										
93	EDS Monthly Charge Per Tape Gigabyte				Input Sheet L76										
94	Developmental Tape Gigabyte Cost				L92 x L93										
95															
96	Non-bill Print Feet Per Developmental Hour				Input Sheet L71										
97	Developmental Non-bill Print Feet				L96 x L80										
98	Incremental Cost Print Foot - Non-bill Simplex Printer				Input Sheet L77										
99	Developmental Non-bill Print Feet Cost				L97 x L98										
100															
101	Total Developmental Computer Cost				L84 + L89 + L94 + L99	\$5,715.83	\$2,202.48	\$2,175.97	\$741.57	\$602.33	\$554.09	\$519.85	\$499.61	\$499.61	\$499.61
102	Sum of Developmental Computer Cost				Sum L101	\$14,010.96									
103	Average Developmental Computer Cost Per Message				L102 / L30	\$0.000020									
104															
105	IT Development & Contractor Labor Per Message				L78 + L103	\$0.001249									
106															
107	Additives Volume Sensitive														
108															
109	Months of DASD Storage				Input Sheet L16										
110	ADUF Retention Cycles				Input Sheet L17										
111	Cycles Per Month				Input Sheet L18										
112	ADUF Months of DASD Storage				L110 / L111										
113															
114	QA01 Standard CPU Hours				Input Sheet L27										
115	Standard CPU Hours Per Message - QA01				L114 / L43										
116	QD10 Standard CPU Hours				Input Sheet L36										
117	Standard CPU Hours Per Message - QD10				L116 / L56										
118	MD03B Standard CPU Hours				Input Sheet L45										
119	MD03B Total Job Messages Processed (MD03B01*BU2002-2009)				Input Sheet L49										
120	Standard CPU Hours Per Message - MD03B				L118 / L119										
121	MN35 Standard CPU Hours				Input Sheet L53										
122	Standard CPU Hours Per Message - MN35				L121 / L73										
123	Total Standard CPU Hours Per Message				L115 + L117 + L120 + L122										
124	Standard CPU Cost Per Message				L123 x L83										
125	Average Standard CPU Cost Per Message				Average L124										
126															
127	QA01 DASD Gigabytes				Input Sheet L28										

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7	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
	Description	FRC	SubFRC	JGWS	Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
128	Total QA01 DASD Gigabytes				L127 x L109										
129	DASD Gigabytes Per Message - QA01				L128 / L43										
130	Total QA01 DASD Gigabytes				Input Sheet L37										
131	DASD Gigabytes Per Message - QA01				L130 x L109										
132	Total QA01 DASD Gigabytes				L131 / L56										
133	DASD Gigabytes Per Message - QA01				Input Sheet L46										
134	Total QA01 DASD Gigabytes				L133 x L112										
135	DASD Gigabytes Per Message - QA01				L134 / L119										
136	Total QA01 DASD Gigabytes				Input Sheet L54										
137	DASD Gigabytes Per Message - QA01				L136 x L109										
138	Total QA01 DASD Gigabytes				L137 / L73										
139	DASD Gigabytes Per Message - QA01				L129 + L132 + L135 + L138										
140	Total QA01 DASD Gigabytes				L139 x L86										
141	DASD Gigabyte Cost Per Message				Average L140										
142	Average DASD Gigabyte Cost Per Message														
143	QA01 Tape Gigabytes				Input Sheet L29										
144	Tape Gigabytes Per Message - QA01				L143 / L43										
145	Total QA01 Tape Gigabytes				Input Sheet L38										
146	Tape Gigabytes Per Message - QA01				L145 / L56										
147	Total QA01 Tape Gigabytes				Input Sheet L47										
148	Tape Gigabytes Per Message - QA01				L147 / L119										
149	Total QA01 Tape Gigabytes				Input Sheet L55										
150	Tape Gigabytes Per Message - QA01				L149 / L73										
151	Total QA01 Tape Gigabytes				L144 + L146 + L148 + L150										
152	Tape Gigabyte Cost Per Message				L151 x L93										
153	Average Tape Gigabyte Cost Per Message				Average L152										
154	QA01 Print Feet - Non-bill Simplex Printer				Input Sheet L30										
155	Print Feet Per Message - QA01				L155 / L43										
156	Total QA01 Print Feet - Non-bill Simplex Printer				Input Sheet L39										
157	Print Feet Per Message - QA01				L157 / L56										
158	Total QA01 Print Feet - Non-bill Simplex Printer				Input Sheet L48										
159	Print Feet Per Message - QA01				L159 / L119										
160	Total QA01 Print Feet - Non-bill Simplex Printer				Input Sheet L56										
161	Print Feet Per Message - QA01				L161 / L73										
162	Total QA01 Print Feet - Non-bill Simplex Printer				L156 + L158 + L160 + L162										
163	Print Feet Cost Per Message				L163 x L98										
164	Non-bill Print Feet Cost Per Message				Average L164										
165	Average Non-bill Print Feet Cost Per Message														
166	Computer Resource Cost Per Message				L125 + L141 + L153 + L165										
167	Computer Resource Cost Per Message					\$0.007138									
168	Labor Volume Intensive														
169	QA01 Monthly BBI Support Labor Hours				Input Sheet L23										
170	Annual QA01 BBI Support Labor Hours				L170 x L39										
171	Sum of BBI Support Labor Hours				Sum L171										
172	BBI Labor Per Message				L172 / L49										
173	QA01 Monthly BBI Support Labor Hours				Input Sheet L24										
174	Annual QA01 BBI Support Labor Hours				L175 x L39										
175	Sum of BBI Support Labor Hours				Sum L176										
176	BBI Labor Per Message				L177 / L49										
177	QA01 Monthly BBI Support Labor Hours				Input Sheet L34										
178	Annual QA01 BBI Support Labor Hours				L180 x L39										
179	Sum of BBI Support Labor Hours				Sum L181										
180	BBI Labor Per Message				L182 / L58										
181	QA01 Monthly BBI Support Labor Hours				Input Sheet L43										
182	Annual QA01 BBI Support Labor Hours				L185 x L39										
183	Sum of BBI Support Labor Hours				Sum L186										
184	BBI Labor Per Message				L187 / L66										
185	QA01 Monthly BBI Support Labor Hours				Input Sheet L52										
186	Annual QA01 BBI Support Labor Hours														
187	Sum of BBI Support Labor Hours														
188	BBI Labor Per Message														
189	QA01 Monthly BBI Support Labor Hours														
190	Annual QA01 BBI Support Labor Hours														
191	Sum of BBI Support Labor Hours														
192	BBI Labor Per Message														
193	QA01 Monthly BBI Support Labor Hours														
194	Annual QA01 BBI Support Labor Hours														
195	Sum of BBI Support Labor Hours														
196	BBI Labor Per Message														
197	QA01 Monthly BBI Support Labor Hours														
198	Annual QA01 BBI Support Labor Hours														
199	Sum of BBI Support Labor Hours														
200	BBI Labor Per Message														

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A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
Description	FRC	SubFRC	JG/WS	Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
191 Annual MN35 BBI Support Labor Hours				L190 x L39	72	72	72	72	72	72	72	72	72	72
192 Sum of BBI Support Labor Hours				Sum L191	720									
193 MN35 BBI Support Per Message				L192 / L75	0.0000002									
194														
195 ADUF BBI Monthly Support Labor Hours			JG58	Input Sheet L64	42	42	42	42	42	42	42	42	42	42
196 Annual ADUF BBI Monthly Support Labor Hours				L195 x L39	504									
197 Sum of BBI Support Labor Hours				Sum L196	5,040									
198 ADUF Support Per Message				L197 / L66	0.0000007									
199														
200 ADUF BBI Product Development Labor Hours Per New CLECs/OCN			JG58	Input Sheet L62	20	20	20	20	20	20	20	20	20	20
201 Inward Movement of CLEC OCNs				WPI L22	2									
202 Annual Labor Hours				L200 x L201	40									
203 Sum of BBI Development Labor Hours				Sum L202	160									
204 ADUF Labor Hours Per Message				L203 / L66	0.0000002									
205														
206 BBI Development and Job Labor Per Message				L178+L183+L188+L193+L198+L204	0.0000064									
207														
208 ADUF BBI Non-Recurring Development Labor Hours			JG58	Input Sheet L63	225									
209 ADUF BBI Non-recurring Development Labor Hours			JG58	Input Sheet L65	368									
210 Total ADUF BBI Non-recurring Development Labor Hours				L208 + L209	593									
211 Non-recurring Development Labor Per Message				L210 / L30	0.000001									
212														
213 BBI Labor Per Message			JG58	L206 + L211	0.0000065									
214														
215 QA01 Monthly BBI Support Labor Hours			JG57	Input Sheet L25	160	160	160	160	160	160	160	160	160	160
216 Annual QA01 BBI Support Labor Hours				L215 x L39	1,920	1,920	1,920	1,920	1,920	1,920	1,920	1,920	1,920	1,920
217 Sum of BBI Support Labor				Sum L216	19,200									
218 BBI Labor Per Message			JG57	L217 / L49	0.0000002									
219														
220 QA01 Monthly BBI Support Labor Hours			WS16	Input Sheet L26	1,818	1,818	1,818	1,818	1,818	1,818	1,818	1,818	1,818	1,818
221 Annual QA01 BBI Support Labor Hours				L220 x L39	21,816	21,816	21,816	21,816	21,816	21,816	21,816	21,816	21,816	21,816
222 Sum of BBI Support Labor				Sum L221	218,160									
223 BBI Support Per Message				L222 / L49	0.0000002									
224														
225 QD10 Monthly BBI Support Labor Hours			WS16	Input Sheet L35	318	318	318	318	318	318	318	318	318	318
226 Annual QD10 BBI Support Labor Hours				L225 x L39	3,816	3,816	3,816	3,816	3,816	3,816	3,816	3,816	3,816	3,816
227 Sum of BBI Support Labor				Sum L226	38,160									
228 BBI Support Per Message				L227 / L58	0.0000034									
229														
230 MD03B Monthly BBI Support Labor Hours			WS16	Input Sheet L44	18	18	18	18	18	18	18	18	18	18
231 Annual MD03B BBI Support Labor Hours				L230 x L39	216	216	216	216	216	216	216	216	216	216
232 Sum of BBI Support Labor				Sum L231	2,160									
233 BBI Support Per Message				L232 / L66	0.000003									
234														
235 BBI Labor Per Message			WS16	L223 + L228 + L233	0.0000038									
236														
237 Labor Volume Sensitive														
238														
239														
240 CALCULATOR INPUTS														
241 Investment Volume Insensitive														
242 Computer RTU Per Message				L31	\$0.004276									
243														
244 Investment Volume Sensitive														
245														
246 Additives Volume Insensitive														
247 IT Development & Contractor Labor Per Message				L105	\$0.001249									
248														
249 Additives Volume Sensitive														
250 Computer Resource Cost Per Message				L167	\$0.007138									
251														
252 Labor Volume Insensitive														
253 BBI Labor Per Message			JG59	L173	0.00000005									

001751

7	A		B	C	D	E	F	G	H	I	J	K	L	M	N	O
	Description															
254	BB1	Labor Per Message			JG58	L213	0.000005									
255	BB1	Labor Per Message			JG57	L218	0.00000002									
256	BB1	Labor Per Message			WS16	L235	0.0000038									
257																
258	Labor Volume Sensitive															

001752

	A	B	C	D	E	F	G	H	I	J	K
1	Tennessee										
2	Index Sheet										
3	Study Period: 2000 - 2002										
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
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22											
23											
24											
25											
26											

Sheet Name:**Description:**

ADUF DATA TRANSMISSION - CONNECT:DIRECT COST STUDY
 CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA
 CALCULATOR INPUT FORM - RECURRING EXPENSES DATA
 CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA
 CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA
 CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES
 CONNECT:DIRECT - INPUT SHEET
 CONNECT:DIRECT - DEMAND CALCULATIONS
 CONNECT:DIRECT - INVESTMENTS
 CONNECT:DIRECT - LABOR SHEET
 CONNECT:DIRECT - RESOURCES/ADDITIVES

001753

	A	B	C	D	E	F	G	H	I	J
1										
2										
3										
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22										
23										
24										
25										

001754

A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - RECURRING EXPENSES DATA						
2							
3	Instructions:						
4	1. Use this worksheet to record recurring non-labor expenses to be input into the						
5	Calculator calculations.						
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
7	3. Input data, by Cost Element, leaving no blank lines. On next row						
8	after last line of data, type END in Cost Element Column.						
9	4. All data on this form should be cell-referenced to study workpapers.						
10	5. Do NOT change columns, headings, sheet name.						
11							
12							
13							
14							
15							
16							
17	State	Cost Element #	Recurring Expense Description (Limited to 25 characters)	Recurring Volume Sensitive \$ Amount	Recurring Volume Insensitive \$ Amount		
18	TN	L.1.3	BFTS Programming Mtce. Cost Per Msg		\$0.0000001981		
19	TN	L.1.3	C:D Prod. Supp Per Message		\$0.00000361056		
20	TN	L.1.3	BFTS Computer Resource Cost Per Msg	\$0.0000002103			
21	TN	L.1.3	C:D Computer Resource Cost Per Msg	\$0.0000005285			
22	TN	L.1.3	COMTEN HW Mtce Per Message	\$0.0000007666			
23	TN	L.1.3	COMTEN SW Mtce Per Message	\$0.0000002454			
24	TN	L.1.3	NETEX SW Mtce Per Message	\$0.0000000058			
25	TN	L.1.3	C:D SW Mtce Per Message	\$0.0000053670			
26		END					
27							
28							
29							
30							

Maximum 10 entries per Cost Element #

001755

A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA						
2	Instructions:						
3	1. Use this worksheet to record nonrecurring non-labor expenses to be input into the Calculator calculations.						
4	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
5	3. Input data, by Cost Element, leaving no blank lines. On next row						
6	after last line of data, type END in Cost Element Column.						
7	4. All data on this form should be cell-referenced to study workpapers.						
8	5. Do NOT change columns, headings, sheet name.						
9	6. Use column D when cost element has a single nonrecurring cost; use columns E & F for elements with a first						
10	and additional nonrecurring cost; use columns G & H for elements with an initial and subsequent nonrecurring cost.						
11							
12							
13							
14							
15							
16							
17							
18							
19							
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22							
23							
24							
25							
26							
27							
28							
29							
30							

ADUF DATA TRANSMISSION
CONNECT:DIRECT COST STUDY

BellSouth Telecommunications, Inc.

A	B	C	D	E	F	G	H
CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA							
1	Instructions:						
2	1. Use this worksheet to record recurring expensed labor times to be input into the						
3	Calculator calculations.						
4	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
5	3. Input data, by Cost Element, leaving no blank lines. On next row						
6	after last line of data, type END in Cost Element Column.						
7	4. All data on this form should be cell-referenced to study workpapers.						
8	5. Do NOT change columns, headings, sheet name.						
9							
10							
11							
12							
13							
14							
15	State	Cost	Labor Expense Description	JFC/	Volume	Volume	
16	TN	L.1.3	(Limited to 25 characters) COMTEN SW & HW Supp Lbr Hrs Per Msg	Payband JG58	Sensitive 0.00000000429	Insensitive 0.000000000066	
17	TN	L.1.3	COMTEN HW Supp Lbr Hrs Per Msg	WS32	0.00000000402		
18	TN	L.1.3	NETEX Supp Lbr Hrs Per Msg	JG58			
19		END					
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
			Maximum 20 entries per Cost Element #				

001757

ADUF DATA TRANSMISSION
CONNECT-DIRECT COST STUDY

BellSouth Telecommunications, Inc.

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES														
Instructions: 1. Use this worksheet to record nonrecurring labor times to be input into the Calculator calculations. 2. All amounts shown are per unit (e.g., per call, per loop, per MOU). 3. Input data, by Cost Element, leaving no blank lines. On next row after last line of data, type END in Cost Element Column. 4. All data on this form should be cell-referenced to study workpapers. 5. Do NOT change columns, headings, sheet name. 6. Use columns F & G when cost element has a single nonrecurring cost; use columns H, I, J, & K for elements with a first and additional nonrecurring cost; use columns L, M, N & O for elements with an initial and subsequent nonrecurring cost. 7. Input Cost Element Life (in months) on first row of data for each cost element. It is not necessary to repeat on each line.														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Study Mid-Point Date (Mos.) 6/1/01														
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
46	Maximum of 25 entries per Cost Element #													
Cost Element # Cost Element Life (Mo) Labor Expense Description (Limited to 25 characters) JFC/ Payband (For use w/ one NR) Installation Time (Hours) Disconnect Time (Hours) First Installation Time (Hours) First Disconnect Time (Hours) Additional Installation Time (Hours) Additional Disconnect Time (Hours) Initial Installation Time (Hours) Initial Disconnect Time (Hours) Subsequent Installation Time (Hours) Subsequent Disconnect Time (Hours)														
END														

001758

ADUF DATA TRANSMISSION
CONNECT:DIRECT COST STUDY

BellSouth Telecommunications, Inc.

INPUT
Study Date: 03/2000

A		B	C	D	E	F	G	H	I	J	K	L	M
Item/Description		FRC	SubFRC	JFC / JG / WS	Source	Incremental Amount	2000	2001	2002	CPU Hours	DASD Gigabytes	TAPE Gigabytes	PRINT Feet
1	Tennessee												
2	CONNECT:DIRECT - INPUT SHEET												
3	Study Period: 2000 - 2002												
4													
5	Element # L 1.3												
6													
7													
8	Source Acronyms:												
9	BellSouth Communications Systems (BCS)												
10	Finance Cost Matters (FCM)												
11	Information Technology (IT)												
12													
13	Processing Data - BellSouth File Transfer System (BFTS)												
14	Program Maintenance Monthly FTP's			JG58	IT		0.1	0.1	0.1				
15	NETEX FTE Support Related To BFTS				IT								
16	Job Detail (1999-SL06) Statistics				FCM/IT								
17	Regional Sites				IT								
18	Number of Sites for BFTS Transmission Statistics in Sample				IT								
19	1999 BFTS Characters Transmitted and Received in 6 Sites				IT								
20	NETEX Monthly License Expense Per MVS Box				IT		0.5	0.5	0.5				
21	NETEX Capacity Used by BFTS				IT								
22	Number of MVS Boxes in Region				IT								
23	BFTS Data Transmission Growth Factor				IT								
24													
25	Processing Data - Connect:Direct (C:D)												
26	Program Maintenance Labor Hours				FCM/IT								
27	Job Detail (1999 - SL12) Statistics				IT								
28	Connect:Direct Production/Ongoing Support FTP's				IT								
29	Annual C:D Sterling Commerce Software License Expense				IT								
30	Connect:Direct Average Monthly Characters				IT								
31	C:D Growth Factor				FCM								
32	Number of Months in Year				FCM								
33	Number of Years in Study												
34													
35	COMTEN Cost:												
36	Software & Hardware Labor Support FTE (JG58)			JG58	BCS		1	1	1	1			
37	Software & Hardware Labor Support FTE (WS32)			WS32	BCS		1	1	1	1			
38	Front End Hardware Material Price per COMTEN	530C	00		BCS								
39	Annual Hardware Maintenance Cost				BCS								
40	Annual Software Cost												
41													
42	COMTEN Capacity (bytes)				BCS								
43													
44													
45	Andersen Consulting Contracted Monthly Rate Per FTP												
46	Number of Hours per Week (Mgt.)				FCM		40	40	40				
47	Number of Hours per Week (Non-Mgt.)				FCM		37.5	37.5	37.5				
48	Number of Productive Weeks per Year				FCM		48.2	48.2	48.2				
49													
50	Number of Characters Per Billing Message				IT								
51													
52	EDS Charge Per Standard CPU Hour				FCM								
53	EDS Charge Per DASD Gigabyte				FCM								
54	EDS Charge Per Tape Gigabyte				FCM								
55	EDS Incremental Cost Per Print Foot				FCM								

001759

ADUF DATA TRANSMISSION
CONNECT:DIRECT COST STUDY

BellSouth Telecommunications, Inc.

A		B	C	D	E
1	Tennessee				
2	CONNECT:DIRECT - DEMAND CALCULATIONS				
3	Study Period: 2000 - 2002				
4					
5	ELEMENT #: L.1.3				
6			2000	2001	2002
7	Item/Description	Source			
8	BellSouth File Transfer System (BFTS) DEMAND				
9	1999 BFTS Characters Transmitted and Received in 6 Sites	INPUT L19			
10	Average 1999 Characters Per Site	L9 / INPUT L18			
11	Regional Sites	INPUT L17			
12	1999 Characters Transmitted & Received	L10 * L11			
13	BFTS Growth Factor	INPUT L23			
14	Annual Characters Transmitted & Received	Note 1			
15	Total BFTS Characters Transmitted & Received	SUM Line 14			
16					
17	DEMAND for Connect:Direct - Processing Data				
18	2000 Connect:Direct Characters	(INPUT L30 * INPUT L32)			
19	2001 Connect:Direct Characters	L18 * L21			
20	2002 Connect:Direct Characters	L19 * L21			
21	C:D Growth Factor	INPUT L31			
22	Total Connect:Direct Characters	SUM L18, L19, & L20			
23					
24	COMTEN DEMAND				
25	COMTEN Capacity in Characters	INPUT L42			
26	Total COMTEN Capacity in Characters	SUM Line 25			
27					
28	Note 1: For Year 2000, L12 x L13. Other Years, Prior Yr. L14 x Current Yr. L13.				

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A		B	C	D	E	F	G
1	Tennessee						
2	CONNECT:DIRECT - INVESTMENTS						
3	Study Period: 2000 - 2002						
4							
5	Element #: L.1.3						
6	Item/Description						
7	Description	FRC	SubFRC	Source	2000	2001	2002
8	VOLUME SENSITIVE						
9							
10	COMTEN Front End Processor Hardware Investment	530C	00	INPUT L38 SUM L10			
11	Sum COMTEN Investment			DEMAND L 25			
12	COMTEN Capacity (bytes)			SUM Line 12			
13	Sum COMTEN Capacity			INPUT L50			
14	Basic Record Length for Billing Data/Character Per Message			(L11/L13) * L14			
15	COMTEN Inv Per Message	530C	00		\$0.00002572		
16							
17							
18	COMTEN Inv Per Message	530C	00	Line 15	\$0.00002572		

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A		B	C	D	E	F
1	Tennessee					
2	CONNECT:DIRECT - LABOR SHEET					
3	Study Period: 2000 - 2002					
4						
5	Element #: L.1.3					
6	Item/Description	JFC / JG / WS	Source	Amount		
7	Description			2000	2001	2002
8	Number of Hours Per Week (Mgt.)		INPUT L46	40	40	40
9	Number of Hours Per Week (Non-Mgt.)		INPUT L47	37.5	37.5	37.5
10	Number of Productive Weeks Per Year		INPUT L48	48.2	48.2	48.2
11	Number of Months Per Year		INPUT L32	12	12	12
12	Annual Number of Productive Labor Hours (Mgt.)		L8 * L10	1,928	1,928	1,928
13	Annual Number of Productive Labor Hours (Non-Mgt.)		L9 * L10	1,808	1,808	1,808
14	Andersen Consulting Contracted Monthly Rate Per FTP		INPUT L45			
15						
16	BFTS Support:					
17	Andersen Consulting Prog Mtce Monthly FTPs		INPUT L14			
18	Annual Prgm Mtce. Cost		(L17 * L14) * L11			
19	Sum Annual Prgm Mtce. Cost		SUM Line 18			
20	NETEX Support Related to BFTS	JG58	INPUT L15	0.1	0.1	0.1
21	Number of BFTS Labor Hours		L12 * L20	193	193	193
22	Sum BFTS Labor Hours		SUM Line 21	578		
23	Total BFTS Characters Transmitted & Received		DEMAND L15			
24	Number of Characters Per Message		INPUT L50			
25	BFTS Programming Mtce. Cost Per Msg		(L19 / L23) * L24	\$0.0000000198121		
26	NETEX Supp Lbr Hrs Per Msg	JG58	(L22 / L23) * L24	0.000000000662		
27						
28	Connect:Direct Support:					
29	Connect:Direct Production/Ongoing Support FTPs		INPUT L28			
30	Annual Connect:Direct Production Supp Cost		(L14*INPUTL32) * L29			
31	Sum Connect:Direct Production Supp		SUM Line 30			
32	C:D Character Throughputs		DEMAND L22			
33	C:D Prod. Supp Per Message		(L31 / L32) * L24	\$0.000003611		
34						
35	COMTEN Support Labor Hours:					
36	Software & Hardware Support Labor Hours (JG58)	JG58	INPUT L36 * L12	1,928	1,928	1,928
37	Sum COMTEN JG58 Labor Hours		SUM Line 36	5,784		
38	Software & Hardware Support Labor Hours (WS32)	WS32	INPUT L37 * L13	1,808	1,808	1,808
39	Sum COMTEN WS32 Labor Hours		SUM Line 38	5,423		
40	COMTEN Throughputs		DEMAND L25			
41	Sum COMTEN Throughputs in Characters		SUM Line 40			
42						
43	COMTEN SW & HW Supp Lbr Hrs Per Msg	JG58	(L37 / L41) * L24	0.0000000429127		
44	COMTEN HW Supp Lbr Hrs Per Msg	WS32	(L39 / L41) * L24	0.0000000402306		

A		B	C	D	E
1	Tennessee				
2	CONNECT:DIRECT - RESOURCES/ADDITIVES				
3	Study Period: 2000 - 2002				
4					
5	Element #: L 1.3				
6	Item/Description	Source	2000	2001	2002
7	Description				
8	BFTS Computer Resource Cost - (SL06)				
9	Std. CPU Hours	INPUT L16, Col. J			
10	Cost Per Std. CPU Hour	INPUT L52			
11	Total CPU Cost	L9 * L10			
12					
13	Total Print Feet	INPUT L16, Col. M			
14	Cost Per Print Foot	INPUT L55			
15	Print Feet Cost	L13 * L14			
16					
17	BFTS Computer Resource Cost	L11 + L15			
18	Total BFTS Resources	SUM Line 17			
19	Characters Transmitted Thru BFTS	DEMAND L15			
20	BFTS Computer Cost Per Character	L18 / L19	\$0.000000010013		
21	Number of Characters Per Record	INPUT L50			
22					
23	BFTS Computer Resource Cost Per Msg	L20 * L21	\$0.000002103		
24					
25	CONNECT:DIRECT Resource Cost - (SL12)				
26	Std. CPU Hours	INPUT L27, Col. J			
27	Cost Per Std. CPU Hour	INPUT L52			
28	Total CPU Cost	L26 * L27			
29					
30	DASD Gigabytes	INPUT L27, Col. K			
31	Cost Per DASD Gigabyte	INPUT L53			
32	Total DASD Cost	L30 * L31			
33					
34	Tape Gigabytes	INPUT L27, Col. L			
35	Cost Per Tape Gigabyte	INPUT L54			
36	Total Tape Cost	L34 * L35			
37					
38	CONNECT:DIRECT Computer Resource Cost	L28 + L32 + L36			
39	Total CONNECT:DIRECT Resources	SUM Line 38			
40	Characters Transmitted Thru C:D	DEMAND L22	\$0.000000003		
41	CONNECT:DIRECT Computer Cost Per Character	L39 / L40			
42	Number of Characters Per Record	L21			
43	C:D Computer Resource Cost Per Msg	L41 * L42	\$0.000005285		
44					
45	OTHER ADDITIVES				
46	Hardware & Software Maintenance				
47	Annual NCR COMTEN Hardware Mtce.				
48	Total COMTEN Hardware Mtce.	INPUT L39			
		SUM Line 47			

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A		B	C	D	E
1	Tennessee				
2	CONNECT:DIRECT - RESOURCES/ADDITIVES				
3	Study Period: 2000 - 2002				
4					
5	Element #: L.1.3				
6	Item/Description				
7	Description	Source	2000	2001	2002
49	Annual COMTEN Software Mtce.	INPUT L40			
50	Total COMTEN Software Mtce.	SUM Line 49			
51	Annual BFTS Related NETEX Software Mtce.	INPUT L20*INPUT L32*INPUT L22*INPUT L21			
52	Total NETEX Software Mtce. (	SUM Line 51			
53	Annual C:D Sterling Commerce Software License	INPUT L29			
54	Total C:D Software Mtce.	SUM Line 53			
55					
56					
57	COMTEN HW Mtce Per Message	(L48 / DEMAND L26) * L21	\$0.000007666229		
58	COMTEN SW Mtce Per Message	(L50 / DEMAND L26) * L21	\$0.000002454345		
59	NETEX SW Mtce Per Message	(L52 / DEMAND L15) * L21	\$0.000000058443		
60	C:D SW Mtce Per Message	(L54 / DEMAND L22) * L21	\$0.000053669548		
RESOURCES / ADDITIVES					
			Amount		
			2000	2001	2002

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Enhanced Optional Daily Usage File
(EODUF)

BellSouth Telecommunications, Inc.

	A	B	C	D	E	F	G	H	I	J	K
1	Tennessee										
2	Index Sheet										
3	Study Period: 1/2000-12/2002										
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											

Description:

Enhanced Optional Daily Usage File - (EODUF)
 CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA
 CALCULATOR INPUT FORM - RECURRING EXPENSES DATA
 CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA
 CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA
 CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES
 INPUT SHEET
 Demand
 Message Processing, Per Message

Sheet Name:

Index
 Investments
 Additives Recurring
 Additives Nonrecurring
 Recurring Labor
 Nonrecurring Labor
 INPUT
 WP1
 WP2

001765

	A	B	C	D	E	F	G	H	I	J
1	CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA									
2										
3	Instructions:									
4	1. Use this worksheet to record material and/or investments to be input into the									
5	Calculator calculations.									
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).									
7	3. Input data, by Cost Element, leaving no blank lines. On next row									
8	after last line of data, type END in Cost Element Column.									
9	4. All data on this form should be cell-referenced to study workpapers.									
10	5. Do NOT change columns, headings, sheet name.									
11										
12										
13										
14	<u>State</u>	<u>Cost</u>	<u>FRC</u>	<u>Sub</u>	<u>Volume</u>	<u>Volume</u>				
15	TN	M.I.1	460C	00		<u>\$ Amount</u>	<u>\$ Amount</u>			
16							0.643326983			
17		END								
18										
19										
20										
21										
22										
23										
24										
25										

001766

A	B	C	D	E	F	G	H
CALCULATOR INPUT FORM - RECURRING EXPENSES DATA							
Instructions:							
1. Use this worksheet to record recurring non-labor expenses to be input into the Calculator calculations.							
2. All amounts shown are per unit (e.g., per call, per loop, per MOU).							
3. Input data, by Cost Element, leaving no blank lines. On next row after last line of data, type END in Cost Element Column.							
4. All data on this form should be cell-referenced to study workpapers.							
5. Do NOT change columns, headings, sheet name.							
	State	Cost Element #	Recurring Expense Description (Limited to 25 characters)	Recurring Volume Sensitive \$ Amount	Recurring Volume Insensitive \$ Amount		
17	TN	M.1.1	IT Development & Contractor Labor Per Message				
18	TN	M.1.1	Computer Resource Cost Per Msge	0.0018581	0.005755579		
19		END					
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA						
2							
3	Instructions:						
4	1. Use this worksheet to record nonrecurring non-labor expenses to be input into the Calculator calculations.						
5	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
6	3. Input data, by Cost Element, leaving no blank lines. On next row						
7	after last line of data, type END in Cost Element Column.						
8	4. All data on this form should be cell-referenced to study workpapers.						
9	5. Do NOT change columns, headings, sheet name.						
10	6. Use column D when cost element has a single nonrecurring cost; use columns E & F for elements with a first						
11	and additional nonrecurring cost; use columns G & H for elements with an initial and subsequent nonrecurring cost.						
12							
13							
14							
15	Cost	Nonrecurring	Nonrecurring	Nonrecurring	Nonrecurring	Nonrecurring	Nonrecurring
16	Element #	Expense Description	\$ Amount	First	Additional	Initial	Subsequent
17	State	(Limited to 25 characters)	\$ Amount	\$ Amount	\$ Amount	\$ Amount	\$ Amount
18	TN						
19	END						
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

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Maximum 10 entries per Cost Element #

A	B	C	D	E	F	G	H
1	CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA						
2							
3	Instructions:						
4	1. Use this worksheet to record recurring expensed labor times to be input into the						
5	Calculator calculations.						
6	2. All amounts shown are per unit (e.g., per call, per loop, per MOU).						
7	3. Input data, by Cost Element, leaving no blank lines. On next row						
8	after last line of data, type END in Cost Element Column.						
9	4. All data on this form should be cell-referenced to study workpapers.						
10	5. Do NOT change columns, headings, sheet name.						
11							
12							
13							
14							
15	<u>State</u>	<u>Cost</u>	<u>Labor Expense Description</u> (Limited to 25 characters)	<u>JFC/</u>	<u>Volume</u>	<u>Volume</u>	
16	TN	M.1.1	BBI Labor Per Message	JG59	Sensitive	Insensitive	
17	TN	M.1.1	BBI Labor Per Message	JG58			0.000039
18	TN	M.1.1	BBI Labor Per Message	JG57			0.000892
19	TN	M.1.1	BBI Labor Per Message	WS16			0.00000002
20	TN	M.1.1	BBI Message Volume Labor Per Message	WS16			0.000306
21	END						
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							

Maximum 20 entries per Cost Element #

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A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES															
Instructions: 1. Use this worksheet to record nonrecurring labor times to be input into the Calculator calculations. 2. All amounts shown are per unit (e.g., per call, per loop, per MOU). 3. Input data, by Cost Element, leaving no blank lines. On next row after last line of data, type END in Cost Element Column. 4. All data on this form should be cell-referenced to study worksheets. 5. Do NOT change columns, headings, sheet name. 6. Use columns F & G when cost element has a single nonrecurring cost; use columns H, I, J, & K for elements with a first and additional nonrecurring cost; use columns L, M, N & O for elements with an initial and subsequent nonrecurring cost. 7. Input Cost Element Life (in months) on first row of data for each cost element. It is not necessary to repeat on each line.															
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15	Study Mid-Point Date (Mos.)			6/1/01											
16															
17															
18															
19															
20															
21	State	Cost	Cost	Labor Expense Description	J/C/	(For use w/ one NR)	First	First	Additional	Additional	Initial	Initial	Subsequent	Subsequent	
22	TN	Element #	Element Life (Mo)	(Limited to 25 characters)	Payband	Installation	Disconnect	Installation	Time	Time	Time	Time	Time	Time	
23						Time	Time	Time	Time	Time	Time	Time	Time	Time	
24						(Hours)	(Hours)	(Hours)	(Hours)	(Hours)	(Hours)	(Hours)	(Hours)	(Hours)	
25															
26															
27															
28															
29															
30															
31															
32															
33															
34															
35															
36															
37															
38															
39															
40															
41															
42															
43															
44															
45															
46	Maximum of 25 entries per Cost Element #														

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A	B	C	D	E	F	G	H	I
1	Tennessee							
2	INPUT SHEET							
3	Study Period: 1/2000-12/2002							
4								
5	Element #: M.1.1							
6	Item/Description							
7	Description	FRC	SubFRC	JG/WS	Source	2000	2001	2002
8	Element Number					M.1.1		
9								
10	Job Stream Impacted:							
11	MD03A				IT/BBI			
12	MJ04A26				IT/BBI			
13	MN35				IT/BBI			
14	QA01				IT/BBI			
15								
16	Months of DASD Storage				IT	3	3	3
17	EODUF Retention Cycles				IT	90		
18	Cycles Per Month				IT	20		
19	Andersen Developmental Labor Hours Multiplication Factor				IT			
20								
21								
22	Job Utilization Statistics and Support				IT			
23	MD03A Monthly Contractor Steady State Labor Hours							
24	MD03A Monthly BBI Support Labor Hours			JG58	BBI	120	120	120
25	MD03A Monthly BBI Support Labor Hours			WS16	BBI	0	0	0
26	MD03A Standard CPU Hours				FCM			
27	MD03A DASD Gigabytes				FCM			
28	MD03A Tape Gigabytes				FCM			
29	MD03A Print Feet - Non-bill Simplex Printer				FCM			
30	MD03A 12/99 Total Job Messages Processed				BBI	16,574,540		

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Enhanced Optional Daily Usage File
(EODUF)

BellSouth Telecommunications, Inc.

A	B	C	D	E	F	G	H	I
7	Description	FRC	SubFRC	JG/WS	Source	2000	2001	2002
31					IT			
32	MJ04A26 Monthly Contractor Steady State Labor Hours							
33	MJ04A26 Monthly BBI Support Labor Hours			JG58	BBI	2	2	2
34	MJ04A26 Monthly BBI Support Labor Hours			WS16	BBI	1	1	1
35	MJ04A26 Standard CPU Hours				FCM			
36	MJ04A26 DASD Gigabytes				FCM			
37	MJ04A26 Tape Gigabytes				FCM			
38	MJ04A26 Print Feet - Non-bill Simplex Printer				FCM			
39	MJ04A26 12/99 Total Job Messages Processed					597,200,869		
40	MJ04A26 BBI Support Message Volume Sensitive Labor Hours			WS16	BBI	20		
41								
42	MN35 Monthly Contractor Steady State Labor Hours				IT			
43	MN35 Monthly BBI Support Labor Hours			JG58	BBI	6	6	6
44	MN35 Standard CPU Hours				FCM			
45	MN35 DASD Gigabytes				FCM			
46	MN35 Tape Gigabytes				FCM			
47	MN35 Print Feet - Non-bill Simplex Printer				FCM			
48	MN35 12/99 Total Job Messages Processed					19,116,694		
49					BBI			
50	QA01 Monthly Contractor Steady State Labor Hours				IT			
51	QA01 Monthly BBI Support Labor Hours			JG59	BBI	480	480	480
52	QA01 Monthly BBI Support Labor Hours			JG58	BBI	320	320	320
53	QA01 Monthly BBI Support Labor Hours			JG57	BBI	160	160	160
54	QA01 Monthly BBI Support Labor Hours			WS16	BBI	1,818	1,818	1,818
55	QA01 Standard CPU Hours				FCM			
56	QA01 DASD Gigabytes				FCM			
57	QA01 Tape Gigabytes				FCM			
58	QA01 Print Feet - Non-bill Simplex Printer				FCM			
59	QA01 12/99 Total Job Messages Processed				BBI	10,437,523,705		

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eoduf.xls

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Enhanced Optional Daily Usage File
(EODUF)

BellSouth Telecommunications, Inc.

A	B	C	D	E	F	G	H	I
7	Description	FRC	SubFRC	JG/WS	Source	2000	2001	2002
60	EODUF Directly Assigned							
61	EODUF BBI Non-recurring Developmental Labor Hours			JG58	BBI	100		
62	EODUF BBI Non-recurring Developmental Labor Hours			JG59	BBI	20		
63	EODUF BBI Non-recurring Developmental Labor Hours			JG58	BBI	10	10	10
64	EODUF BBI Monthly Support Labor Hours (6/99 - 2002)			WS16	BBI	2.04	2.04	2.04
65	EODUF BBI Monthly Support Labor Hours Per CLEC OCN							
66	EODUF IT Non-recurring Developmental Labor Hours Contractor	460C	00		IT			
67								
68	Standard CPU Hours Per IT Developmental Hour				FCM/IT			
69	Monthly DASD Gigabytes Per Developmental Hour				FCM/IT			
70	Tape Gigabytes Per Developmental Hour				FCM/IT			
71	Non-bill Print Feet Per Developmental Hour				FCM/IT			
72								
73								
74	EDS Charge Per Standard CPU Hour				FCM			
75	EDS Monthly Charge Per DASD Gigabyte				FCM			
76	EDS Monthly Charge Per Tape Gigabyte				FCM			
77	Incremental Cost Print Foot - Non-bill Simplex Printer				FCM			
78	Contractor Hourly Labor Rate				FCM			
79	Months Per Year				FCM			
80								
81	December, 1999 CLECs/OCNs Purchasing EODUF				BBI	1	1	2
82	January CLECs/OCNs Purchasing EODUF				BBI	1	1	2
83	February CLECs/OCNs Purchasing EODUF				BBI	1	1	2
84	March CLECs/OCNs Purchasing EODUF				BBI	1	1	2
85	April CLECs/OCNs Purchasing EODUF				BBI	1	1	2
86	May CLECs/OCNs Purchasing EODUF				BBI	1	1	2
87	June CLECs/OCNs Purchasing EODUF				BBI	1	1	2
88	July CLECs/OCNs Purchasing EODUF				BBI	2	2	2

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A	B	C	D	E	F	G	H	I
	Description	FRC	SubFRC	JG/WS	Source	2000	2001	2002
7								
89	Aug CLECs/OCNs Purchasing EODUF				BBI	2	2	2
90	Sep CLECs/OCNs Purchasing EODUF				BBI	2	2	2
91	Oct CLECs/OCNs Purchasing EODUF				BBI	2	2	2
92	Nov CLECs/OCNs Purchasing EODUF				BBI	2	2	2
93	Dec CLECs/OCNs Purchasing EODUF				BBI	2	2	2
94	Incremental CLEC/OCNs To Be Added Every 18 Months				BBI			1
95								
96	December, 1999 EODUF Messages					5,186		
97	Jan EODUF Messages				BBI	5,660	11,500	
98	Feb EODUF Messages				BBI	6,000	12,000	
99	Mar EODUF Messages				BBI	6,500	12,500	
100	Apr EODUF Messages				BBI	7,000	13,000	
101	May EODUF Messages				BBI	7,500	13,500	
102	Jun EODUF Messages				BBI	8,000	14,000	
103	Jul EODUF Messages				BBI	8,500	14,500	
104	Aug EODUF Messages				BBI	9,000	15,000	
105	Sep EODUF Messages				BBI	9,500	15,500	
106	Oct EODUF Messages				BBI	10,000	16,000	
107	Nov EODUF Messages				BBI	10,500	16,500	
108	Dec EODUF Messages				BBI	11,000	17,500	
109	Incremental Monthly Messages				BBI			500
110								
111	Total ADUF Messages				BBI	32,317,832	60,320,000	74,880,000
112								
113	Total ODUF Messages				BBI	209,342,319	223,800,000	238,200,000
114								
115	12/99 ODUF Messages Processed				BBI	16,569,354		
116	12/99 ADUF Messages Processed				BBI	2,558,721		

A	B	C	D	E	F
1	Tennessee				
2	Demand				
3	Study Period: 1/2000-12/2002				
4					
5					
6					
7	Item/Description	Source	2000	2001	2002
8	2002 Demand is based on adding L21 after counting 18 months at 2 customers ((L15 at 17 months) + L21)				
9	CLECs/OCNs Purchasing EODUF	Input Sheet L82	1	2	3
10	CLECs/OCNs Purchasing EODUF	Input Sheet L83	1	2	3
11	CLECs/OCNs Purchasing EODUF	Input Sheet L84	1	2	3
12	CLECs/OCNs Purchasing EODUF	Input Sheet L85	1	2	3
13	CLECs/OCNs Purchasing EODUF	Input Sheet L86	1	2	3
14	CLECs/OCNs Purchasing EODUF	Input Sheet L87	1	2	3
15	CLECs/OCNs Purchasing EODUF	Input Sheet L88	2	2	3
16	CLECs/OCNs Purchasing EODUF	Input Sheet L89	2	2	3
17	CLECs/OCNs Purchasing EODUF	Input Sheet L90	2	2	3
18	CLECs/OCNs Purchasing EODUF	Input Sheet L91	2	2	3
19	CLECs/OCNs Purchasing EODUF	Input Sheet L92	2	2	3
20	CLECs/OCNs Purchasing EODUF	Input Sheet L93	2	2	3
21	Incremental CLEC/OCNs To Be Added Every 18 Months	Input Sheet L94			1
22	December, 1999 CLECs/OCNs Purchasing EODUF	Input Sheet L81	1	0	1
23	Inward Movement of CLEC OCNs	Current EOY-Prev EOY			
24					
25					
26	2002 Demand is based on previous months total + L39				
27	EODUF Messages	Input Sheet L97	5,660	11,500	18,000

7	A	B	C	D	E	F
		Item/Description	Source	2000	2001	2002
28	Feb	EODUF Messages	Input Sheet L98	6,000	12,000	18,500
29	Mar	EODUF Messages	Input Sheet L99	6,500	12,500	19,000
30	Apr	EODUF Messages	Input Sheet L100	7,000	13,000	19,500
31	May	EODUF Messages	Input Sheet L101	7,500	13,500	20,000
32	Jun	EODUF Messages	Input Sheet L102	8,000	14,000	20,500
33	Jul	EODUF Messages	Input Sheet L103	8,500	14,500	21,000
34	Aug	EODUF Messages	Input Sheet L104	9,000	15,000	21,500
35	Sep	EODUF Messages	Input Sheet L105	9,500	15,500	22,000
36	Oct	EODUF Messages	Input Sheet L106	10,000	16,000	22,500
37	Nov	EODUF Messages	Input Sheet L107	10,500	16,500	23,000
38	Dec	EODUF Messages	Input Sheet L108	11,000	17,500	23,500
39	Incremental Monthly Messages		Input Sheet L109	99,160	171,500	500
40	Total Annual EODUF Messages		Sum L27..L38	519,660		249,000
41	Sum of EODUF Messages (2000-2002)		Sum L40			
42						
43	Total ADUF Messages		Input Sheet L111	32,317,832	60,320,000	74,880,000
44						
45	Total ODUF Messages		Input Sheet L113	209,342,319	223,800,000	238,200,000
46						
47	Total EODUF, ADUF and ODUF Messages For Shared Jobs		L40 + L43 + L45	241,759,311	284,291,500	313,329,000
48						
49	Total ODUF and EODUF Messages (MD03A)		L40 + L45	209,441,479	223,971,500	238,449,000
50						
51	Cumulative Annual CLEC OCNs		Sum L9..L20	18	24	36
52						
53	December, 1999 EODUF Messages		Input Sheet L96	5,186		

	A	B	C	D	E	F
7		Item/Description	Source	2000	2001	2002
54		12/99 ODUF Messages Processed	Input Sheet L115	16,569,354		
55		12/99 ADUF Messages Processed	Input Sheet L116	2,558,721		
56		Total 12/99 DUF Messages Processed	L53 + L54 + L55	19,133,261		
57						
58		12/99 EODUF and ODUF Messages Processed	L53 + L54	16,574,540		

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Enhanced Optional Daily Usage File
(EODUF)

BellSouth Telecommunications, Inc.

A		B	C	D	E	F	G	H
1	Tennessee							
2	Message Processing, Per Message							
3	Study Period: 1/2000-12/2002							
4								
5	Element #: M.1.1.1							
6	Item/Description	FRC	SubFRC	JG/WS	Source	2000	2001	2002
7	Description							
8								
9	Investment Volume Insensitive							
10	EODUF IT Non-recurring Developmental Labor Hours Contractor	460C	00		Input Sheet L66	\$111,437.10	\$111,437.10	\$111,437.10
11	Andersen Developmental Labor Hours Multiplication Factor				Input Sheet L19	\$334,311.30		
12	IT Non-recurring Developmental Labor Hours Contractor				L10 x L11	99,160		
13	Contractor Hourly Labor Rate				Input Sheet L78	519,660		
14	Contractor Software Development Cost				L12 x L13	\$0.643327		
15	Sum of Contractor Software Development Cost				Sum L14		171,500	249,000
16	Total Annual EODUF Messages				WP1 L40			
17	Sum of EODUF Messages				Sum L16			
18	Computer RTU Per Message	460C	00		L15 / L17			
19								
20	Investment Volume Sensitive							
21								
22	Additives Volume Insensitive							
23	MD03A Monthly Contractor Steady State Labor Hours				Input Sheet L23	12	12	12
24	Months Per Year				Input Sheet L79			
25	Annual Contractor Labor Hours				L23 x L24			
26	Contractor Hourly Labor Rate				Input Sheet L78			
27	Annual Contractor Labor Cost MD03A				L25 x L26	\$35,899.20	\$38,397.60	\$41,029.20
28	Total Contractor Labor Cost				Sum L27	\$115,326.00		
29	MD03A 12/99 Total Job Messages Processed				Input Sheet L30	16,574,540		
30	Total ODUF and EODUF Messages (MD03A)				WP1 L49	209,441,479	223,971,500	238,449,000
31	Sum of Messages Processed				Sum L30	671,861,979		
32	Contractor Labor Cost Per Message - MD03A				L28 / L31	\$0.000172		
33								
34	MJ04A26 Monthly Contractor Steady State Labor Hours				Input Sheet L32			
35	Annual Contractor Labor Hours				L34 x L24			
36	Annual Contractor Labor Cost MJ04A26				L35 x L26	\$2,393.28	\$2,559.84	\$2,735.28

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Enhanced Optional Daily Usage File
(EODUF)

BellSouth Telecommunications, Inc.

A		B	C	D	E	F	G	H
Description		FRC	SubFRC	JG/WS	Source	2000	2001	2002
7	Total Contractor Labor Cost				Sum L36	\$7,688.40		
37	MJ04A26 12/99 Total Job Messages Processed				Input Sheet L39	597,200,869		
38	December, 1999 EODUF Messages				WP1 L53	5,186		
39	12/99 Messages Processed Excluding EODUF				L38 - L39	597,195,683		
40	Annual Messages Processed - MJ04A26				L40 x L24	7,166,348,196	7,166,348,196	7,166,348,196
41	Total Annual EODUF Messages				WP1 L40	99,160	171,500	249,000
42	Total Messages Processed - MJ04A26				L41 + L42	7,166,447,356	7,166,519,696	7,166,597,196
43	Sum of Messages Processed				Sum L43	21,499,564,248		
44	Contractor Labor Cost Per Message - MJ04A26				L37 / L44	\$0.0000004		
45								
46								
47	MN35 Monthly Contractor Steady State Labor Hours				Input Sheet L42			
48	Annual Contractor Labor Hours				L47 x L24	\$14,359.68	\$15,359.04	\$16,411.68
49	Annual Contractor Labor Cost - MN35				L48 x L26	\$46,130.40		
50	Total Contractor Labor Cost				Sum L49	19,116,694		
51	MN35 12/99 Total Job Messages Processed				Input Sheet L48	241,759,311	284,291,500	313,329,000
52	Total EODUF, ADUF and ODUF Messages For Shared Jobs				WP1 L47	839,379,811		
53	Sum of Messages Processed				Sum L52	\$0.0000055		
54	Contractor Labor Cost Per Message - MN35				L50 / L53			
55								
56	QA01 Monthly Contractor Steady State Labor Hours				Input Sheet L50			
57	Annual Contractor Labor Hours				L56 x L24	\$358,992.00	\$383,976.00	\$410,292.00
58	Annual Contractor Labor Cost - QA01				L57 x L26	\$1,153,260.00		
59	Total Contractor Labor Cost				Sum L58	10,437,523,705		
60	QA01 12/99 Total Job Messages Processed				Input Sheet L59	19,133,261		
61	Total 12/99 DUF Messages Processed				WP1 L56	10,418,390,444		
62	12/99 Messages Processed Excluding DUFs				L60 - L61	125,020,685,328	125,020,685,328	125,020,685,328
63	Annual Messages Processed - QA01				L62 x L24	125,262,444,639	125,304,976,828	125,334,014,328
64	Total Messages Processed - QA01				L63 + L52	375,901,435,795		
65	Sum of Messages Processed				Sum L64	\$0.0000003		
66	Contractor Labor Cost Per Message				L59 / L65			
67								
68	Total Contractor Labor Cost Per Message				L32 + L45 + L54 + L66	\$0.0000230		
69								
70	Total Developmental Labor Hours				L12			
71	Standard CPU Hours Per IT Developmental Hour				Input Sheet L68			

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A		B	C	D	E	F	G	H
Description		FRC	SubFRC	JG/WS	Source	2000	2001	2002
7								
72	Developmental Standard CPU Hours				L70 x L71			
73	EDS Charge Per Standard CPU Hour				Input Sheet L74			
74	Developmental Standard CPU Cost				L72 x L73			
75								
76	Monthly DASD Gigabytes Per Developmental Hour				Input Sheet L69			
77	Developmental DASD Gigabytes				L76 x L70			
78	EDS Monthly Charge Per DASD Gigabyte				Input Sheet L75			
79	Developmental DASD Gigabytes Cost				L77 x L78			
80								
81	Tape Gigabytes Per Developmental Hour				Input Sheet L70			
82	Developmental Tape Gigabytes				L81 x L70			
83	EDS Monthly Charge Per Tape Gigabyte				Input Sheet L76			
84	Developmental Tape Gigabyte Cost				L82 x L83			
85								
86	Non-bill Print Feet Per Developmental Hour				Input Sheet L71			
87	Developmental Non-bill Print Feet				L86 x L70			
88	Incremental Cost Print Foot - Non-bill Simplex Printer				Input Sheet L77			
89	Developmental Non-bill Print Feet Cost				L87 x L88			
90								
91	Total Developmental Computer Cost				L74 + L79 + L84 + L89	\$2,871.40		
92	Developmental Computer Cost Per Message				L91 / L17	\$0.005526		
93								
94	IT Development & Contractor Labor Per Message				L68 + L92	\$0.005756		
95								
96	Additives Volume Sensitive							
97	Months of DASD Storage				Input Sheet L16	3		
98	EODUF Retention Cycles				Input Sheet L17	90		
99	Cycles Per Month				Input Sheet L18	20		
100	EODUF Months of DASD Storage				L98 / L99	4.5		
101								
102	MD03A Standard CPU Hours				Input Sheet L26			
103	Standard CPU Hours Per Message - MD03A				L102 / L29			
104	MJ04A26 Standard CPU Hours				Input Sheet L35			
105	MJ04A26 12/99 Total Job Messages Processed				Input Sheet L39			
106	Standard CPU Hours Per Message - MJ04A26				L104 / L105	597,200.869		

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Enhanced Optional Daily Usage File
(EODUF)

BellSouth Telecommunications, Inc.

A		B	C	D	E	F	G	H
Description		FRC	SubFRC	JG/WS	Source	2000	2001	2002
7								
107	MN35 Standard CPU Hours				Input Sheet L44			
108	Standard CPU Hours Per Message - MN35				L107 / L51			
109	QA01 Standard CPU Hours				Input Sheet L55			
110	Standard CPU Hours Per Message - QA01				L109 / L60			
111	Total Standard CPU Hours Per Message				L103 + L106 + L108 + L110			
112	EDS Charge Per Standard CPU Hour				Input Sheet L74			
113	Standard CPU Cost Per Message				L111 x L112	\$0.001112	\$0.001370	\$0.001316
114	Average Standard CPU Cost Per Message				Average L113	\$0.001266		
115								
116	MD03A DASD Gigabytes				Input Sheet L27			
117	Total MD03A DASD Gigabytes				L116 x L100			
118	DASD Gigabytes Per Message - MD03A				L117 / L29			
119	MJ04A26 DASD Gigabytes				Input Sheet L36			
120	Total MJ04A26 DASD Gigabytes				L119 x L100			
121	DASD Gigabytes Per Message - MJ04A26				L120 / L105			
122	MN35 DASD Gigabytes				Input Sheet L45			
123	Total MN35 DASD Gigabytes				L122 x L97			
124	DASD Gigabytes Per Message - MN35				L123 / L51			
125	QA01 DASD Gigabytes				Input Sheet L56			
126	Total QA01 DASD Gigabytes				L125 x L97			
127	DASD Gigabytes Per Message - QA01				L126 / L60			
128	Total DASD Gigabytes Per Message				L118 + L121 + L124 + L127			
129	EDS Monthly Charge Per DASD Gigabyte				Input Sheet L75			
130	DASD Gigabyte Cost Per Message				L128 x L129	\$0.000540	\$0.000430	\$0.000429
131	Average DASD Gigabyte Cost Per Message				Average L130	\$0.000466		
132								
133	MD03A Tape Gigabytes				Input Sheet L28			
134	Tape Gigabytes Per Message - MD03A				L133 / L29			
135	MJ04A26 Tape Gigabytes				Input Sheet L37			
136	Tape Gigabytes Per Message - MJ04A26				L135 / L105			
137	MN35 Tape Gigabytes				Input Sheet L46			
138	Tape Gigabytes Per Message - MN35				L137 / L51			
139	QA01 Tape Gigabytes				Input Sheet L57			
140	Tape Gigabytes Per Message - QA01				L139 / L60			
141	Total Tape Gigabytes Per Message				L134 + L136 + L138 + L140			

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Enhanced Optional Daily Usage File
(EODUF)

BellSouth Telecommunications, Inc.

A		B	C	D	E	F	G	H
Description		FRC	SubFRC	JG/WS	Source	2000	2001	2002
7								
142	EDS Monthly Charge Per Tape Gigabyte				Input Sheet L76	\$0.000141	\$0.000117	\$0.000118
143	Tape Gigabyte Cost Per Message				L141 x L142			
144	Average Tape Gigabyte Cost Per Message				Average L143	\$0.000125		
145								
146	MD03A Print Feet - Non-bill Simplex Printer				Input Sheet L29			
147	Non-bill Print Feet Per Message - MD03A				L146 / L29			
148	MJ04A26 Print Feet - Non-bill Simplex Printer				Input Sheet L38			
149	Non-bill Print Feet Per Message - MJ04A26				L148 / L105			
150	MN35 Print Feet - Non-bill Simplex Printer				Input Sheet L47			
151	Non-bill Print Feet Per Message - MN35				L150 / L51			
152	QA01 Print Feet - Non-bill Simplex Printer				Input Sheet L58			
153	Non-bill Print Feet Per Message - QA01				L152 / L60			
154	Total Non-bill Print Feet Per Message				L147 + L149 + L151 + L153			
155	Incremental Cost Print Foot - Non-bill Simplex Printer				Input Sheet L77			
156	Non-bill Print Feet Cost Per Message				L154 x L155	\$0.0000003	\$0.0000004	\$0.0000004
157	Average Non-bill Print Feet Cost Per Message				Average L156	\$0.0000004		
158								
159	Computer Resource Cost Per Msg				L114 + L131 + L144 + L157	\$0.001858		
160								
161								
162	Labor Volume Insensitive							
163	QA01 Monthly BBI Support Labor Hours			JG59	Input Sheet L51	480	480	480
164	Annual QA01 BBI Support Labor Hours				L163 x L24	5,760	5,760	5,760
165	Sum of BBI Support Labor Hours				Sum L164	17,280		
166	Average QA01 BBI Support Per Message				L165 / L65	0.00000005		
167								
168	EODUF BBI Non-recurring Developmental Labor Hours			JG59	Input Sheet L63	20		
169	BBI Support Per Message				L168 / L17	0.000038		
170								
171	BBI Labor Per Message			JG59	L166 + L169	0.000039		
172								
173								
174	MD03A Monthly BBI Support Labor Hours			JG58	Input Sheet L24	120	120	120
175	Annual MD03A BBI Support Labor Hours				L174 x L24	1,440	1,440	1,440
176	Sum of BBI Support Labor Hours				Sum L175	4,320		

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Enhanced Optional Daily Usage File
(EODUF)

BellSouth Telecommunications, Inc.

A		B	C	D	E	F	G	H
Description		FRC	SubFRC	JG/WS	Source	2000	2001	2002
177	BB1 Support Per Message				L176 / L31	0.000006		
178								
179	MJ04A26 Monthly BB1 Support Labor Hours			JG58	Input Sheet L33	2	2	2
180	Annual MJ04A26 BB1 Support Labor Hours				L179 x L24	24	24	24
181	Sum of BB1 Support Labor Hours				Sum L180	72		
182	BB1 Support Per Message				L181 / L44	0.000000003		
183								
184	MN35 Monthly BB1 Support Labor Hours			JG58	Input Sheet L43	6	6	6
185	Annual MN35 BB1 Support Labor Hours				L184 x L24	72	72	72
186	Sum of BB1 Support Labor Hours				Sum L185	216		
187	BB1 Support Per Message				L186 / L53	0.00000003		
188								
189	QA01 Monthly BB1 Support Labor Hours			JG58	Input Sheet L52	320	320	320
190	Annual QA01 BB1 Support Labor Hours				L189 x L24	3,840	3,840	3,840
191	Sum of BB1 Support Labor Hours				Sum L190	11,520		
192	BB1 Support Per Message				L191 / L65	0.00000003		
193								
194	EODUF BB1 Monthly Support Labor Hours (6/99 - 2002)			JG58	Input Sheet L64	10	10	10
195	Annual EODUF BB1 Support Labor Hours				L194 x L24	120	120	120
196	Sum of BB1 Support Labor Hours				Sum L195	360		
197	EODUF Support Per Message				L196 / L17	0.00069276		
198								
199	BB1 Product and Job Labor Per Message				L177+L182+L187+L192+L197	0.000699		
200								
201	EODUF BB1 Non-recurring Developmental Labor Hours			JG58	Input Sheet L62	100		
202	Non-recurring Developmental Labor Per Message				L201 / L17	0.000192		
203								
204	BB1 Labor Per Message			JG58	L199 + L202	0.000892		
205								
206	QA01 Monthly BB1 Support Labor Hours			JG57	Input Sheet L53	160	160	160
207	Annual QA01 BB1 Support Labor Hours				L206 x L24	1,920	1,920	1,920
208	Sum of BB1 Support Labor Hours				Sum L207	5,760		
209	BB1 Labor Per Message			JG57	L208 / L65	0.00000002		
210								
211	MD03A Monthly BB1 Support Labor Hours			WS16	Input Sheet L25	0	0	0

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Enhanced Optional Daily Usage File
(EODUF)

BellSouth Telecommunications, Inc.

A		B	C	D	E	F	G	H
Description		FRC	SubFRC	JG/WS	Source	2000	2001	2002
7								
212	Annual MD03A BBI Support Labor Hours				L211 x L24	0	0	0
213	Sum of BBI Support Labor Hours				Sum L212	0		
214	BBI Labor Per Message				L213 / L31	0.0000000		
215								
216	MJ04A26 Monthly BBI Support Labor Hours			WS16	Input Sheet L34	1	1	1
217	Annual MJ04A26 BBI Support Labor Hours				L216 x L24	12	12	12
218	Sum of BBI Support Labor Hours				Sum L217	36		
219	BBI Support Per Message				L218 / L44	0.000000002		
220								
221	QA01 Monthly BBI Support Labor Hours			WS16	Input Sheet L54	1,818	1,818	1,818
222	Annual QA01 BBI Support Labor Hours				L221 x L24	21,816	21,816	21,816
223	Sum of BBI Support Labor Hours				Sum L222	65,448		
224	BBI Support Per Message				L223 / L65	0.00000002		
225								
226	EODUF BBI Monthly Support Labor Hours Per CLEC OCN			WS16	Input Sheet L65	2.04	2.04	2.04
227	Cumulative Annual CLEC OCNs				WP1 L51	18	24	36
228	Annual EODUF Support Labor Hours				L226 x L227	36.72	48.96	73.44
229	Sum of BBI Support Labor Hours				Sum L228	159.12		
230	BBI Support Per Message				L229 / L17	0.00030620		
231								
232	BBI Labor Per Message			WS16	L214+L219+L224+L230	0.0003064		
233								
234	Labor Volume Sensitive							
235	MJ04A26 BBI Support Message Volume Sensitive Labor Hours			WS16	Input Sheet L40	20		
236	BBI Message Volume Labor Per Message			WS16	L235 / L105	0.00000003		
237								
238	CALCULATOR INPUTS							
239	Investment Volume Insensitive							
240	Computer RTU Per Message	460C 00			L18	\$0.643327		
241								
242	Investment Volume Sensitive							
243								
244	Additives Volume Insensitive							
245	IT Development & Contractor Labor Per Message				L94	\$0.005756		
246								

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A		B	C	D	E	F	G	H
Description		FRC	SubFRC	JG/WS	Source	2000	2001	2002
7								
247	Additives Volume Sensitive							
248	Computer Resource Cost Per Msge				L159	\$0.001858		
249								
250	Labor Volume Insensitive							
251	BBI Labor Per Message			JG59	L171	0.000039		
252	BBI Labor Per Message			JG58	L204	0.000892		
253	BBI Labor Per Message			JG57	L209	0.00000002		
254	BBI Labor Per Message			WS16	L232	0.0003064		
255								
256	Labor Volume Sensitive							
257	BBI Message Volume Labor Per Message			WS16	L236	0.00000003		

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