

HAI Model Release 5.0a - Expense Module																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Density Zone Level Calculations																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
density zone (lines/sq mi)	feeder type	total lines	business lines	residential lines	special access lines	public lines	single line business lines	households	copper feeder cable u/g	copper feeder cable buried	copper feeder cable aerial	fiber feeder cable u/g	fiber feeder cable buried	fiber feeder cable aerial	feeder conduit	feeder manholes	copper feeder u/g placement	fiber feeder u/g placement	copper feeder buried placement	fiber feeder buried placement																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
0	DLC	654	25	624	4	1	6	615	\$	-	\$	-	\$	-	\$	1,036,469	\$	51,296	\$	-	\$	189,098																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
5	DLC	3,118	541	2,463	88	26	45	2,430	\$	-	\$	-	\$	-	\$	1,373,590	\$	67,532	\$	-	\$	474,195																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
100	DLC	3,063	671	2,251	109	32	44	2,208	\$	-	\$	-	\$	-	\$	279,082	\$	13,950	\$	-	\$	-	\$	348,486																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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density zone (lines/sq mi)	feeder type	feeder pole inv	distribution cable underground	distribution cable buried	distribution cable aerial	distribution conduit	distribution conduit placement	distribution buried placement	distribution poles	calc copper feeder fill	calc distribution fill	calc "mainframe fill"	DLC inv w/site	SAI inv	terminal inv	drop inv	NID inv	feeder distance
0	DLC	\$ 18,534	\$ -	\$ 717,543	\$ 36,313	\$ -	\$ -	\$ 1,051,767	\$ 62,967	0.00%	31.93%	0.00%	\$ 379,872	\$ 9,050	\$ 54,901	\$ 67,488	\$ 18,327	325,481
5	DLC	\$ 48,234	\$ -	\$ 2,514,995	\$ 127,277	\$ -	\$ -	\$ 2,593,944	\$ 146,784	0.00%	34.51%	0.00%	\$ 980,442	\$ 31,350	\$ 261,734	\$ 286,455	\$ 80,545	407,132
100	DLC	\$ 33,929	\$ -	\$ 1,788,411	\$ 90,507	\$ -	\$ -	\$ 1,178,311	\$ 69,222	0.00%	23.65%	0.00%	\$ 570,817	\$ 23,400	\$ 128,679	\$ 179,941	\$ 76,513	30,363
650	DLC																	
850	DLC																	
2550	DLC																	
5000	DLC																	
10000	DLC																	
0	non-DLC																	
5	non-DLC																	
100	non-DLC																	
200	non-DLC																	
650	non-DLC																	
850	non-DLC																	
2550	non-DLC																	
5000	non-DLC																	
10000	non-DLC																	
Totals/Avg		\$ 100,697	\$ -	\$ 5,020,949	\$ 254,097	\$ -	\$ -	\$ 4,624,021	\$ 278,973				\$ 1,931,131	\$ 63,800	\$ 445,314	\$ 533,884	\$ 175,385	762,976

HA																		
density zone (lines/sq mi)	feeder type	total distribution distance	DLC lines	end office switching	MDF/protector inv	end office wire center	land	local tandem switching	local tandem wire center	OS tandem switching	OS tandem wire center	OS trunks	operator position	common transport, u/g	common transport, buried	common transport, aerial	common transport, poles	common transport, conduit
0	DLC	613,151	654	\$ 158,094	\$ -	\$ 31,354	\$ 5,294	\$ 1,235	\$ 1,625	\$ 520	\$ 650	\$ 25,179	\$ 953	\$	\$ 154,371	\$ 4,633	\$ 3,091	\$ -
5	DLC	1,533,968	3,118	\$ 736,960	\$ -	\$ 146,158	\$ 24,501	\$ 5,756	\$ 7,574	\$ 2,424	\$ 3,030	\$ 79,103	\$ 4,444	\$	\$ 499,188	\$ 15,070	\$ 9,399	\$ -
100	DLC	640,713	3,063	\$ 718,452	\$ -	\$ 142,488	\$ 20,206	\$ 5,612	\$ 7,384	\$ 2,363	\$ 2,954	\$ 37,149	\$ 4,332	\$	\$ 272,956	\$ 8,140	\$ 5,360	\$ -
200	DLC																	
650	DLC																	
850	DLC																	
2550	DLC																	
5000	DLC																	
10000	DLC																	
0	non-DLC																	
5	non-DLC																	
100	non-DLC																	
200	non-DLC																	
650	non-DLC																	
850	non-DLC																	
2550	non-DLC																	
5000	non-DLC																	
10000	non-DLC																	
Totals/Avg		2,787,830	6,835	\$ 1,613,506	\$ -	\$ 320,000	\$ 50,000	\$ 12,603	\$ 16,582	\$ 5,306	\$ 6,633	\$ 141,431	\$ 9,730	\$ -	\$ 926,514	\$ 27,843	\$ 17,850	\$ -

HA																				
density zone (lines/sq mi)	feeder type	common transport, manholes	common transmission terminal inv	direct transport, u/g	direct transport, buried	direct transport, aerial	direct transport, poles	direct transport, conduit	direct transport, manholes	direct transmission terminal inv	dedicated transport, u/g	dedicated transport, buried	dedicated transport, aerial	dedicated transport, poles	dedicated transport, conduit	dedicated transport, manholes	dedicated transmission terminal inv	prop local direct trunks		
0	DLC	\$	19,730	\$	58,650	\$	1,761	\$	1,175	\$	7,338	\$	37,164	\$	1,114	\$	744	\$	5,341	7
5	DLC	\$	115,460	\$	182,727	\$	5,522	\$	3,442	\$	33,525	\$	222,720	\$	6,690	\$	4,055	\$	71,687	37
100	DLC																			
200	DLC	\$	129,705	\$	81,867	\$	2,439	\$	1,613	\$	32,757	\$	148,954	\$	4,450	\$	2,915	\$	87,542	34
650	DLC																			
850	DLC																			
2550	DLC																			
5000	DLC																			
10000	DLC																			
0	non-DLC																			
5	non-DLC																			
100	non-DLC																			
200	non-DLC																			
650	non-DLC																			
850	non-DLC																			
2550	non-DLC																			
5000	non-DLC																			
10000	non-DLC																			
Totals/Avg		\$	-	\$	264,894	\$	-	\$	323,244	\$	9,722	\$	6,229	\$	-	\$	-	\$	164,570	78

HA																
density zone (lines/sq mi)	feeder type	prop local tandem trunks	prop intraLATA direct trunks	prop intraLATA tandem trunks	prop access dedicated trunks	prop access tandem trunks	prop operator trunks	SCP investment	SCP wire center inv	STP inv	signaling link inv	total public telephone inv	total residential annual DEMs	total business annual DEMs	Total Investment	
0	DLC	2	1	10	10	23	5	1,625 \$	260 \$	3,575 \$	10,337 \$	1,928	9,587,751	579,338	4,231,363	
5	DLC	8	3	57	134	152	24	7,574 \$	1,212 \$	16,663 \$	30,862 \$	20,822	37,856,151	12,562,361	11,243,646	
100	DLC														-	
200	DLC	6	2	57	154	164	22	7,384 \$	1,181 \$	16,244 \$	9,659 \$	21,611	34,596,916	15,576,483	6,556,963	
650	DLC														-	
850	DLC														-	
2550	DLC														-	
5000	DLC														-	
10000	DLC														-	
0	non-DLC														-	
5	non-DLC														-	
100	non-DLC														-	
200	non-DLC														-	
650	non-DLC														-	
850	non-DLC														-	
2550	non-DLC														-	
5000	non-DLC														-	
10000	non-DLC														-	
Totals/Avg		16	6	124	297	339	51	16,582 \$	2,653 \$	36,481 \$	50,858 \$	44,361	82,040,818	28,718,182	22,031,972	

Universal Service Calculation Sheet - monthly costs per line

**Missouri
Cass County Tel Co**

	0 - 5 lines/sq mi	5 - 100 lines/sq mi	100 - 200 lines/sq mi	200 - 650 lines/sq mi	650 - 850 lines/sq mi	850 - 2,550 lines/sq mi	2,550 - 5,000 lines/sq mi	5,000 - 10,000 lines/sq mi	> 10,000 lines/sq mi	Weighted Average
Local network costs										
Loop	\$ 126.69	\$ 64.92	\$ -	\$ 34.80	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 57.56
Port	2.31	2.31	-	2.31	-	-	-	-	-	2.31
End office usage	3.06	3.06	-	3.06	-	-	-	-	-	3.06
Signaling	0.08	0.08	-	0.08	-	-	-	-	-	0.08
Transport	1.47	1.47	-	1.47	-	-	-	-	-	1.47
Local retail costs										
Billing/bill inquiries	\$ 2.74	\$ 2.74	\$ -	\$ 2.74	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2.74
Directory listing	-	-	-	-	-	-	-	-	-	-
LNP expense (when available)	0.30	0.30	-	0.30	-	-	-	-	-	0.30
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
Basic Local Service										
Avg monthly cost per line	\$ 136.66	\$ 74.88	\$ -	\$ 44.76	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 67.52
@ Residence usage per line	\$ 136.51	\$ 74.73	\$ -	\$ 44.62	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 69.25
@ Business usage per line	\$ 137.26	\$ 75.48	\$ -	\$ 45.37	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 60.40
Total switched lines	650	3,030	-	2,954	-	-	-	-	-	6,633
Primary residence lines	615	2,430	-	2,208	-	-	-	-	-	5,253
Secondary residence lines	9	33	-	43	-	-	-	-	-	85
Single line business lines	6	45	-	44	-	-	-	-	-	94
Multiline business lines	19	496	-	627	-	-	-	-	-	1,143
Public lines	1	26	-	32	-	-	-	-	-	58
FEDERAL FUND ANALYSIS										
Annual Support										
for line types:	Specify	Bench mark								
Primary residence lines	X	\$31.00	\$ 778,595	\$ 1,275,490	\$ -	\$ 360,742	\$ -	\$ -	\$ -	\$ 2,414,827
Secondary residence lines		\$31.00	\$ 11,182	\$ 17,059	\$ -	\$ 7,056	\$ -	\$ -	\$ -	\$ 35,297
Single line business lines	X	\$51.00	\$ 5,768	\$ 13,199	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,967
Multiline business lines		\$51.00	\$ 20,064	\$ 145,792	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 165,856
Public lines		\$51.00	\$ 1,219	\$ 7,502	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,721
Support cost if all lines supported			\$ 816,828	\$ 1,459,042	\$ -	\$ 367,798	\$ -	\$ -	\$ -	\$ 2,643,668
Total annual support for specified lines										
@25% Federal allocation			\$ 196,091	\$ 322,172	\$ -	\$ 90,186	\$ -	\$ -	\$ -	\$ 608,449
@Implied 75% State allocation			\$ 588,272	\$ 966,517	\$ -	\$ 270,557	\$ -	\$ -	\$ -	\$ 1,825,346

Total Annual Support for Primary Residence Lines at Pre-Selected Monthly Benchmarks

\$20.00	\$ 859,768	\$ 1,596,304	\$ -	\$ 652,158	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,108,231
\$30.00	\$ 785,975	\$ 1,304,655	\$ -	\$ 387,235	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,477,864
\$40.00	\$ 712,181	\$ 1,013,005	\$ -	\$ 122,311	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,847,497
\$50.00	\$ 638,387	\$ 721,355	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,359,742
\$60.00	\$ 564,594	\$ 429,705	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 994,299
\$70.00	\$ 490,800	\$ 138,055	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 628,855
\$80.00	\$ 417,006	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 417,006

STATE FUND ANALYSIS														
Annual Support for line types:		Specify	Bench mark											
Primary residence lines	X	\$31.00	\$	778,595	\$	1,275,490	\$	-	\$	360,742	\$	-	\$	2,414,827
Secondary residence lines		\$31.00	\$	11,182	\$	17,059	\$	-	\$	7,056	\$	-	\$	35,297
Single line business lines	X	\$51.00	\$	5,768	\$	13,199	\$	-	\$	-	\$	-	\$	18,967
Multiline business lines		\$51.00	\$	20,064	\$	145,792	\$	-	\$	-	\$	-	\$	165,856
Public lines		\$51.00	\$	1,219	\$	7,502	\$	-	\$	-	\$	-	\$	8,721
Support cost if all lines supported			\$	816,828	\$	1,459,042	\$	-	\$	367,798	\$	-	\$	2,643,668
Total annual support for specified lines			\$	784,363	\$	1,288,689	\$	-	\$	360,742	\$	-	\$	2,433,794
@75% State allocation			\$	588,272	\$	966,517	\$	-	\$	270,557	\$	-	\$	1,825,346
@Implied 25% Federal allocation			\$	196,091	\$	322,172	\$	-	\$	90,186	\$	-	\$	608,449

TOTAL FUND ANALYSIS																
25% Federal allocation from Federal Fund Analysis	\$	196,091	\$	322,172	\$	-	\$	90,186	\$	-	\$	-	\$	-	\$	608,449
75% State allocation from State Fund Analysis	\$	588,272	\$	966,517	\$	-	\$	270,557	\$	-	\$	-	\$	-	\$	1,825,346
Total Federal + State fund	\$	784,363	\$	1,288,689	\$	-	\$	360,742	\$	-	\$	-	\$	-	\$	2,433,794

Module release date: 11/4/1997

COST OF NETWORK ELEMENTS

**Missouri
Cass County Tel Co**

Loop elements	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
NID										
Annual Cost	\$ 4,707	\$ 20,483	\$ -	\$ 19,399	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 44,588
Unit Cost/month	0.60	0.55	-	0.53	-	-	-	-	-	0.54
Loop Distribution (DLC)										
Annual Cost	\$ 529,486	\$ 1,576,641	\$ -	\$ 902,254	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,008,381
Unit Cost/month	67.47	42.14	-	24.55	-	-	-	-	-	36.68
Loop Distribution (non-DLC)										
Annual Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unit Cost/month	-	-	-	-	-	-	-	-	-	-
Loop Distribution (all)										
Annual Cost	\$ 529,486	\$ 1,576,641	\$ -	\$ 902,254	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,008,381
Unit Cost/month	67.47	42.14	-	24.55	-	-	-	-	-	36.68
Loop Concentration (DLC)										
Annual Cost	\$ 108,131	\$ 281,201	\$ -	\$ 165,139	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 554,472
Unit Cost/month	13.78	7.52	-	4.49	-	-	-	-	-	6.76
Loop Concentration (non-DLC)										
Annual Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unit Cost/month	-	-	-	-	-	-	-	-	-	-
Loop Concentration (all)										
Annual Cost	\$ 108,131	\$ 281,201	\$ -	\$ 165,139	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 554,472
Unit Cost/month	13.78	7.52	-	4.49	-	-	-	-	-	6.76
Loop Feeder (DLC)										
Annual Cost	\$ 335,349	\$ 509,925	\$ -	\$ 170,950	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,016,223
Unit Cost/month	42.73	13.63	-	4.65	-	-	-	-	-	12.39
Loop Feeder (non-DLC)										
Annual Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unit Cost/month	-	-	-	-	-	-	-	-	-	-
Loop Feeder (all)										
Annual Cost	\$ 335,349	\$ 509,925	\$ -	\$ 170,950	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,016,223
Unit Cost/month	42.73	13.63	-	4.65	-	-	-	-	-	12.39
Total Loop (DLC)										
Annual Cost	\$ 977,673	\$ 2,388,250	\$ -	\$ 1,257,741	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,623,664
Unit Cost/month	124.58	63.84	-	34.22	-	-	-	-	-	56.38
Total Loop (non-DLC)										
Annual Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unit Cost/month	-	-	-	-	-	-	-	-	-	-
Total Loop (all)										
Annual Cost	\$ 977,673	\$ 2,388,250	\$ -	\$ 1,257,741	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,623,664
Unit Cost/month	124.58	63.84	-	34.22	-	-	-	-	-	56.38
Total lines	654	3,118	-	3,063	-	-	-	-	-	6,835
Total lines served by DLC	654	3,118	-	3,063	-	-	-	-	-	6,835

	Annual Cost	Units	Unit Cost
End office switching	\$ 602,020		
Line Port	180,606	6,633 switched lines	\$ 2.27 per line/month
Non-Line Port	421,414	76,557,012 actual minutes	\$ 0.00550 per actual minute (for rate per DEM, see "Cost detail" sheet)
Signaling network elements	\$ 30,535		
Links	14,571	12 links	\$ 103.58 per link per month
STP	10,452	43,354,138 TCAP+ISUP msgs	\$ 0.00024 per signaling message
SCP	5,511	4,398,400 TCAP queries	\$ 0.00125 per query
Transport network elements			
<i>Dedicated</i>			
Sw+Sp Transport	\$ 117,045	297 trunks	\$ 32.88 per DS-0 equivalent per month
Switched	37,538	95 trunks	\$ 0.00327 per minute
Special	79,508	202 trunks	
Transmission Terminal	48,772	297 trunks	\$ 13.70 per DS-0 equivalent per month
			\$ 0.00136 per minute
			\$ 0.00464 total per minute
<i>Common</i>			
Transport	\$ 264,338	33,177,848 minutes	\$ 0.00458 per minute per leg (orig or term)
Transmission Terminal	78,322	33,177,848 minutes	\$ 0.00136 per minute
			\$ 0.00594 total per minute
<i>Direct</i>			
Transport	\$ 92,064	4,455,286 minutes	\$ 0.02066 per minute
Transmission Terminal	21,722	4,455,286 minutes	\$ 0.00488 per minute
			\$ 0.02554 total per minute
Tandem switch	\$ 9,766	28,949,912 minutes	\$ 0.00034 per minute
Operator systems	\$ 66,725		
Public Telephones	\$ 23,160		
Total (w/ Public)	\$ 5,978,133		
Total cost of switched network elements (w/o Public)	\$ 71.69	per line/month	

	interconnected at			
	end office	tandem		wtd average
Local interconnection				
EO switching	\$	0.00550	\$	0.00550
ISUP	\$	0.00071	\$	0.00071
Common Transport	\$	-	\$	0.00594
Tandem Switching	\$	-	\$	0.00034
TOTAL	\$	0.00621	\$	0.01248 n/a

IXC switched access				
EO switching	\$ 0.00550	\$ 0.00550		
ISUP	\$ 0.00071	\$ 0.00071		
Dedicated Transport	\$ 0.00464	\$ 0.00464		
Common Transport	\$ -	\$ 0.00594		
Tandem Switching	\$ -	\$ 0.00034		
TOTAL	\$ 0.01085	\$ 0.01712	\$ 0.01712	

Signaling detail				
cost per 800 call attempt (TCAP)	\$ 0.0030			
ISUP cost/transaction	\$ 0.00369			
ISUP cost/completion	0.0053			
IXC switched access MOU/comp	7.45			
ISUP cost/min	\$ 0.000708			
D link per month	\$ -			

Switching detail

The HAI Model engineers switch capacity based on the number of times calls have to pass through a switch fabric. For intraswitch calls, this is once. Because some rate structures for unbundled switching may impose two switch charges -- even when the call only passes through the switch once, the appropriate way to calculate the level of such switch charges is to divide the total usage cost of switching by DEMs (rather than actual switched minutes), because two DEMs are counted even when a call originates and terminates on the same switch.

Switch non-line port annual cost	421,414
Total DEMs	110,759,000
Cost per DEM \$	0.00380

Dedicated Transport Costs Per Trunk

DS-0 per month	
Transport per month	\$ 32.88
Terminal per month *	\$ 169.89
TOTAL	\$ 202.77

DS-1 per month	
Transport per month	\$ 789.09
Terminal per month	\$ 328.81
TOTAL	\$ 1,117.91

DS-3 per month	
Transport per month	\$ 22,094.64
Terminal per month	\$ 929.98
TOTAL	\$ 23,024.61

Trunk Port Costs

per trunk port (DS-0 equivalent) per month	\$ 3.11
per trunk port minute	\$ 0.000310

total EO usage per minute	\$ 0.005505
trk port/min	\$ 0.000310
other	\$ 0.005195

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	weighted average
calculated distribution fill (DLC)	31.9%	34.5%	0.0%	23.6%	0.0%	0.0%	0.0%	0.0%	0.0%	29.4%
calculated distribution fill (non-DLC)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	#DIV/0!
weighted average										#DIV/0!

Per DS0 Transport Calculations

Entrance Facility Investment per Line	\$ -
Total Dedicated Terminal Investment	164,570
Total Lines	6,835
Total Dedicated Terminal Investment per line	\$ 24
Entrance Facility percent to total	\$ -
Terminal Investment per DS-0	\$ 555
Transport Investment per DS-0	\$ 1,445

Network-Related Expenses

	0-5	5-100	100-200	200-650	650-850	850-2550	2550-5000	5000-10000	>10000	Totals
	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	
NID										
Annual Capital Cost	\$ 2,932	\$ 12,888	\$ -	\$ 12,242	\$ -	\$ -	\$ -	\$ -	\$ -	28,063
Network Expenses	\$ 621	\$ 2,566	\$ -	\$ 2,375	\$ -	\$ -	\$ -	\$ -	\$ -	5,562
Direct expense	\$ 3,554	\$ 15,453	\$ -	\$ 14,618	\$ -	\$ -	\$ -	\$ -	\$ -	33,625
Investment	\$ 18,327	\$ 80,545	\$ -	\$ 76,513	\$ -	\$ -	\$ -	\$ -	\$ -	175,385
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 1,128	\$ 4,905	\$ -	\$ 4,640	\$ -	\$ -	\$ -	\$ -	\$ -	10,673
Total	\$ 4,682	\$ 20,359	\$ -	\$ 19,258	\$ -	\$ -	\$ -	\$ -	\$ -	44,298
with carrier-to-carrier	\$ 4,686	\$ 20,394	\$ -	\$ 19,315	\$ -	\$ -	\$ -	\$ -	\$ -	44,395
Distribution (DLC)										
Annual Capital Cost	\$ 321,363	\$ 955,558	\$ -	\$ 545,468	\$ -	\$ -	\$ -	\$ -	\$ -	1,822,388
Network Expenses	\$ 78,414	\$ 233,937	\$ -	\$ 134,424	\$ -	\$ -	\$ -	\$ -	\$ -	446,775
Direct expense	\$ 399,777	\$ 1,189,495	\$ -	\$ 679,892	\$ -	\$ -	\$ -	\$ -	\$ -	2,269,163
Investment	\$ 1,990,979	\$ 5,931,189	\$ -	\$ 3,400,459	\$ -	\$ -	\$ -	\$ -	\$ -	11,322,627
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 126,894	\$ 377,561	\$ -	\$ 215,806	\$ -	\$ -	\$ -	\$ -	\$ -	720,261
Total	\$ 526,671	\$ 1,567,056	\$ -	\$ 895,698	\$ -	\$ -	\$ -	\$ -	\$ -	2,989,425
with carrier-to-carrier	\$ 527,191	\$ 1,569,806	\$ -	\$ 898,342	\$ -	\$ -	\$ -	\$ -	\$ -	2,995,339
Distribution (non-DLC)										
Annual Capital Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Network Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Direct expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Investment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
with carrier-to-carrier	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Distribution (all)										
Annual Capital Cost	\$ 321,363	\$ 955,558	\$ -	\$ 545,468	\$ -	\$ -	\$ -	\$ -	\$ -	1,822,388
Network Expenses	\$ 78,414	\$ 233,937	\$ -	\$ 134,424	\$ -	\$ -	\$ -	\$ -	\$ -	446,775
Direct expense	\$ 399,777	\$ 1,189,495	\$ -	\$ 679,892	\$ -	\$ -	\$ -	\$ -	\$ -	2,269,163
Investment	\$ 1,990,979	\$ 5,931,189	\$ -	\$ 3,400,459	\$ -	\$ -	\$ -	\$ -	\$ -	11,322,627
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 126,894	\$ 377,561	\$ -	\$ 215,806	\$ -	\$ -	\$ -	\$ -	\$ -	720,261
Total	\$ 526,671	\$ 1,567,056	\$ -	\$ 895,698	\$ -	\$ -	\$ -	\$ -	\$ -	2,989,425
with carrier-to-carrier	\$ 527,191	\$ 1,569,806	\$ -	\$ 898,342	\$ -	\$ -	\$ -	\$ -	\$ -	2,995,339
Concentrator (DLC)										
Annual Capital Cost	\$ 75,653	\$ 196,537	\$ -	\$ 115,248	\$ -	\$ -	\$ -	\$ -	\$ -	387,437
Network Expenses	\$ 5,989	\$ 15,615	\$ -	\$ 9,192	\$ -	\$ -	\$ -	\$ -	\$ -	30,797
Direct expense	\$ 81,642	\$ 212,152	\$ -	\$ 124,440	\$ -	\$ -	\$ -	\$ -	\$ -	418,234
Investment	\$ 388,922	\$ 1,011,792	\$ -	\$ 594,217	\$ -	\$ -	\$ -	\$ -	\$ -	1,994,931
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 25,914	\$ 67,340	\$ -	\$ 39,499	\$ -	\$ -	\$ -	\$ -	\$ -	132,753
Total	\$ 107,556	\$ 279,492	\$ -	\$ 163,939	\$ -	\$ -	\$ -	\$ -	\$ -	550,987
with carrier-to-carrier	\$ 107,662	\$ 279,982	\$ -	\$ 164,423	\$ -	\$ -	\$ -	\$ -	\$ -	552,068
Concentrator (non-DLC)										
Annual Capital Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Network Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Direct expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Investment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
with carrier-to-carrier	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Concentrator (all)										
Annual Capital Cost	\$ 75,653	\$ 196,537	\$ -	\$ 115,248	\$ -	\$ -	\$ -	\$ -	\$ -	387,437
Network Expenses	\$ 5,989	\$ 15,615	\$ -	\$ 9,192	\$ -	\$ -	\$ -	\$ -	\$ -	30,797
Direct expense	\$ 81,642	\$ 212,152	\$ -	\$ 124,440	\$ -	\$ -	\$ -	\$ -	\$ -	418,234
Investment	\$ 388,922	\$ 1,011,792	\$ -	\$ 594,217	\$ -	\$ -	\$ -	\$ -	\$ -	1,994,931
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 25,914	\$ 67,340	\$ -	\$ 39,499	\$ -	\$ -	\$ -	\$ -	\$ -	132,753
Total	\$ 107,556	\$ 279,492	\$ -	\$ 163,939	\$ -	\$ -	\$ -	\$ -	\$ -	550,987
with carrier-to-carrier	\$ 107,662	\$ 279,982	\$ -	\$ 164,423	\$ -	\$ -	\$ -	\$ -	\$ -	552,068
Feeder (DLC)										
Annual Capital Cost	\$ 201,559	\$ 306,635	\$ -	\$ 102,843	\$ -	\$ -	\$ -	\$ -	\$ -	611,037
Network Expenses	\$ 51,639	\$ 70,077	\$ -	\$ 25,976	\$ -	\$ -	\$ -	\$ -	\$ -	155,692
Direct expense	\$ 253,198	\$ 384,712	\$ -	\$ 128,819	\$ -	\$ -	\$ -	\$ -	\$ -	766,728
Investment	\$ 1,295,398	\$ 1,963,552	\$ -	\$ 658,482	\$ -	\$ -	\$ -	\$ -	\$ -	3,917,432
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 80,368	\$ 122,113	\$ -	\$ 40,889	\$ -	\$ -	\$ -	\$ -	\$ -	243,369
Total	\$ 333,566	\$ 506,825	\$ -	\$ 169,708	\$ -	\$ -	\$ -	\$ -	\$ -	1,010,098
with carrier-to-carrier	\$ 333,895	\$ 507,714	\$ -	\$ 170,209	\$ -	\$ -	\$ -	\$ -	\$ -	1,011,818
Feeder (non-DLC)										
Annual Capital Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Network Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Direct expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-

Network-Related Expenses

	0-5	5-100	100-200	200-650	650-850	850-2550	2550-5000	5000-10000	>10000	Totals
	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	
Investment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
with carrier-to-carrier	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Feeder (all)										
Annual Capital Cost	\$ 201,559	\$ 306,635	\$ -	\$ 102,843	\$ -	\$ -	\$ -	\$ -	\$ -	611,037
Network Expenses	\$ 51,639	\$ 78,077	\$ -	\$ 25,976	\$ -	\$ -	\$ -	\$ -	\$ -	155,692
Direct expense	\$ 253,198	\$ 384,712	\$ -	\$ 128,819	\$ -	\$ -	\$ -	\$ -	\$ -	766,728
Investment	\$ 1,295,398	\$ 1,963,552	\$ -	\$ 658,482	\$ -	\$ -	\$ -	\$ -	\$ -	3,917,432
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 80,368	\$ 122,113	\$ -	\$ 40,889	\$ -	\$ -	\$ -	\$ -	\$ -	243,369
Total	\$ 333,566	\$ 506,825	\$ -	\$ 169,708	\$ -	\$ -	\$ -	\$ -	\$ -	1,010,098
with carrier-to-carrier	\$ 333,895	\$ 507,714	\$ -	\$ 170,209	\$ -	\$ -	\$ -	\$ -	\$ -	1,011,818
End Office Switching										
Annual Capital Cost	\$ 31,209	\$ 145,453	\$ -	\$ 141,181	\$ -	\$ -	\$ -	\$ -	\$ -	317,843
Network Expenses	\$ 10,967	\$ 51,123	\$ -	\$ 49,839	\$ -	\$ -	\$ -	\$ -	\$ -	111,929
Direct expense	\$ 42,176	\$ 196,575	\$ -	\$ 191,020	\$ -	\$ -	\$ -	\$ -	\$ -	429,771
Investment	\$ 194,742	\$ 907,619	\$ -	\$ 881,146	\$ -	\$ -	\$ -	\$ -	\$ -	1,983,506
Support expenses	\$ 9,235	\$ 48,025	\$ -	\$ 54,778	\$ -	\$ -	\$ -	\$ -	\$ -	112,038
Subtotal, with misc spt	\$ 51,412	\$ 244,600	\$ -	\$ 245,797	\$ -	\$ -	\$ -	\$ -	\$ -	541,809
Total, with var overhead	\$ 56,758	\$ 270,039	\$ -	\$ 271,360	\$ -	\$ -	\$ -	\$ -	\$ -	598,158
with carrier-to-carrier	\$ 56,813	\$ 270,493	\$ -	\$ 272,103	\$ -	\$ -	\$ -	\$ -	\$ -	599,410
Signaling										
Annual Capital Cost	\$ 2,535	\$ 9,043	\$ -	\$ 5,547	\$ -	\$ -	\$ -	\$ -	\$ -	17,125
Network Expenses	\$ 676	\$ 2,481	\$ -	\$ 1,627	\$ -	\$ -	\$ -	\$ -	\$ -	4,784
Direct expense	\$ 3,211	\$ 11,524	\$ -	\$ 7,174	\$ -	\$ -	\$ -	\$ -	\$ -	21,909
Investment	\$ 15,796	\$ 56,311	\$ -	\$ 34,469	\$ -	\$ -	\$ -	\$ -	\$ -	106,575
Support expenses	\$ 703	\$ 2,815	\$ -	\$ 2,057	\$ -	\$ -	\$ -	\$ -	\$ -	5,576
Subtotal, with misc spt	\$ 3,914	\$ 14,340	\$ -	\$ 9,232	\$ -	\$ -	\$ -	\$ -	\$ -	27,485
Total, with var overhead	\$ 4,321	\$ 15,831	\$ -	\$ 10,192	\$ -	\$ -	\$ -	\$ -	\$ -	30,344
with carrier-to-carrier	\$ 4,325	\$ 15,858	\$ -	\$ 10,220	\$ -	\$ -	\$ -	\$ -	\$ -	30,403
Dedicated Transport										
Annual Capital Cost	\$ 6,081	\$ 36,357	\$ -	\$ 24,355	\$ -	\$ -	\$ -	\$ -	\$ -	66,793
Network Expenses	\$ 1,546	\$ 9,247	\$ -	\$ 6,191	\$ -	\$ -	\$ -	\$ -	\$ -	16,984
Direct expense	\$ 7,626	\$ 45,605	\$ -	\$ 30,546	\$ -	\$ -	\$ -	\$ -	\$ -	83,777
Investment	\$ 39,022	\$ 233,466	\$ -	\$ 156,318	\$ -	\$ -	\$ -	\$ -	\$ -	428,806
Support expenses	\$ 1,670	\$ 11,142	\$ -	\$ 8,759	\$ -	\$ -	\$ -	\$ -	\$ -	21,571
Subtotal, with misc spt	\$ 9,296	\$ 56,746	\$ -	\$ 39,305	\$ -	\$ -	\$ -	\$ -	\$ -	105,347
Total, with var overhead	\$ 10,263	\$ 62,648	\$ -	\$ 43,393	\$ -	\$ -	\$ -	\$ -	\$ -	116,304
with carrier-to-carrier	\$ 10,273	\$ 62,753	\$ -	\$ 43,512	\$ -	\$ -	\$ -	\$ -	\$ -	116,538
Dedicated Transport Transmission										
Annual Capital Cost	\$ 1,043	\$ 14,003	\$ -	\$ 17,101	\$ -	\$ -	\$ -	\$ -	\$ -	32,147
Network Expenses	\$ 82	\$ 1,097	\$ -	\$ 1,339	\$ -	\$ -	\$ -	\$ -	\$ -	2,518
Direct expense	\$ 1,125	\$ 15,100	\$ -	\$ 18,440	\$ -	\$ -	\$ -	\$ -	\$ -	34,665
Investment	\$ 5,341	\$ 71,687	\$ -	\$ 87,542	\$ -	\$ -	\$ -	\$ -	\$ -	164,570
Support expenses	\$ 246	\$ 3,689	\$ -	\$ 5,288	\$ -	\$ -	\$ -	\$ -	\$ -	9,223
Subtotal, with misc spt	\$ 1,371	\$ 18,789	\$ -	\$ 23,728	\$ -	\$ -	\$ -	\$ -	\$ -	43,889
Total, with var overhead	\$ 1,514	\$ 20,743	\$ -	\$ 26,196	\$ -	\$ -	\$ -	\$ -	\$ -	48,453
with carrier-to-carrier	\$ 1,515	\$ 20,778	\$ -	\$ 26,267	\$ -	\$ -	\$ -	\$ -	\$ -	48,561
Direct Transport										
Annual Capital Cost	\$ 9,597	\$ 29,858	\$ -	\$ 13,387	\$ -	\$ -	\$ -	\$ -	\$ -	52,842
Network Expenses	\$ 2,439	\$ 7,593	\$ -	\$ 3,403	\$ -	\$ -	\$ -	\$ -	\$ -	13,436
Direct expense	\$ 12,036	\$ 37,452	\$ -	\$ 16,790	\$ -	\$ -	\$ -	\$ -	\$ -	66,278
Investment	\$ 61,586	\$ 191,690	\$ -	\$ 85,919	\$ -	\$ -	\$ -	\$ -	\$ -	339,195
Support expenses	\$ 2,636	\$ 9,150	\$ -	\$ 4,815	\$ -	\$ -	\$ -	\$ -	\$ -	16,600
Subtotal, with misc spt	\$ 14,672	\$ 46,601	\$ -	\$ 21,604	\$ -	\$ -	\$ -	\$ -	\$ -	82,878
Total, with var overhead	\$ 16,198	\$ 51,448	\$ -	\$ 23,851	\$ -	\$ -	\$ -	\$ -	\$ -	91,497
with carrier-to-carrier	\$ 16,213	\$ 51,535	\$ -	\$ 23,917	\$ -	\$ -	\$ -	\$ -	\$ -	91,664
Direct Transport Transmission										
Annual Capital Cost	\$ 1,433	\$ 6,549	\$ -	\$ 6,399	\$ -	\$ -	\$ -	\$ -	\$ -	14,381
Network Expenses	\$ 112	\$ 513	\$ -	\$ 501	\$ -	\$ -	\$ -	\$ -	\$ -	1,126
Direct expense	\$ 1,546	\$ 7,062	\$ -	\$ 6,900	\$ -	\$ -	\$ -	\$ -	\$ -	15,507
Investment	\$ 7,338	\$ 33,525	\$ -	\$ 32,757	\$ -	\$ -	\$ -	\$ -	\$ -	73,620
Support expenses	\$ 338	\$ 1,725	\$ -	\$ 1,979	\$ -	\$ -	\$ -	\$ -	\$ -	4,042
Subtotal, with misc spt	\$ 1,884	\$ 8,767	\$ -	\$ 8,679	\$ -	\$ -	\$ -	\$ -	\$ -	19,550
Total, with var overhead	\$ 2,090	\$ 9,701	\$ -	\$ 9,802	\$ -	\$ -	\$ -	\$ -	\$ -	21,583
with carrier-to-carrier	\$ 2,082	\$ 9,717	\$ -	\$ 9,829	\$ -	\$ -	\$ -	\$ -	\$ -	21,628
Common Transport										
Annual Capital Cost	\$ 25,258	\$ 81,566	\$ -	\$ 44,631	\$ -	\$ -	\$ -	\$ -	\$ -	151,456
Network Expenses	\$ 6,421	\$ 20,743	\$ -	\$ 11,345	\$ -	\$ -	\$ -	\$ -	\$ -	38,509
Direct expense	\$ 31,679	\$ 102,310	\$ -	\$ 55,977	\$ -	\$ -	\$ -	\$ -	\$ -	189,965
Investment	\$ 162,094	\$ 523,657	\$ -	\$ 286,457	\$ -	\$ -	\$ -	\$ -	\$ -	972,208
Support expenses	\$ 6,937	\$ 24,995	\$ -	\$ 16,052	\$ -	\$ -	\$ -	\$ -	\$ -	47,984
Subtotal, with misc spt	\$ 38,616	\$ 127,305	\$ -	\$ 72,029	\$ -	\$ -	\$ -	\$ -	\$ -	237,949
Total, with var overhead	\$ 42,632	\$ 140,544	\$ -	\$ 79,520	\$ -	\$ -	\$ -	\$ -	\$ -	262,696
with carrier-to-carrier	\$ 42,673	\$ 140,781	\$ -	\$ 79,737	\$ -	\$ -	\$ -	\$ -	\$ -	263,192

Network-Related Expenses

	0-5	5-100	100-200	200-650	650-850	850-2550	2550-5000	5000-10000	>10000	Totals
	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	
Common Transport Transmission										
Annual Capital Cost	\$ 3,854	\$ 22,554	\$ -	\$ 25,337	\$ -	\$ -	\$ -	\$ -	\$ -	51,745
Network Expenses	\$ 302	\$ 1,767	\$ -	\$ 1,984	\$ -	\$ -	\$ -	\$ -	\$ -	4,053
Direct expense	\$ 4,156	\$ 24,321	\$ -	\$ 27,321	\$ -	\$ -	\$ -	\$ -	\$ -	55,798
Investment	\$ 19,730	\$ 115,460	\$ -	\$ 129,705	\$ -	\$ -	\$ -	\$ -	\$ -	264,894
Support expenses	\$ 910	\$ 5,942	\$ -	\$ 7,835	\$ -	\$ -	\$ -	\$ -	\$ -	14,687
Subtotal, with misc spt	\$ 5,066	\$ 30,262	\$ -	\$ 35,156	\$ -	\$ -	\$ -	\$ -	\$ -	70,484
Total, with var overhead	\$ 5,593	\$ 33,410	\$ -	\$ 38,812	\$ -	\$ -	\$ -	\$ -	\$ -	77,814
with carrier-to-carrier	\$ 5,598	\$ 33,466	\$ -	\$ 38,918	\$ -	\$ -	\$ -	\$ -	\$ -	77,982
Tandem Switching										
Annual Capital Cost	\$ 445	\$ 2,076	\$ -	\$ 2,023	\$ -	\$ -	\$ -	\$ -	\$ -	4,544
Network Expenses	\$ 238	\$ 1,109	\$ -	\$ 1,081	\$ -	\$ -	\$ -	\$ -	\$ -	2,427
Direct expense	\$ 683	\$ 3,184	\$ -	\$ 3,104	\$ -	\$ -	\$ -	\$ -	\$ -	6,971
Investment	\$ 2,860	\$ 13,330	\$ -	\$ 12,995	\$ -	\$ -	\$ -	\$ -	\$ -	29,185
Support expenses	\$ 150	\$ 778	\$ -	\$ 890	\$ -	\$ -	\$ -	\$ -	\$ -	1,818
Subtotal, with misc spt	\$ 833	\$ 3,962	\$ -	\$ 3,994	\$ -	\$ -	\$ -	\$ -	\$ -	8,789
Total, with var overhead	\$ 919	\$ 4,374	\$ -	\$ 4,410	\$ -	\$ -	\$ -	\$ -	\$ -	9,703
with carrier-to-carrier	\$ 920	\$ 4,381	\$ -	\$ 4,422	\$ -	\$ -	\$ -	\$ -	\$ -	9,723
Operator Systems										
Annual Capital Cost	\$ 4,310	\$ 14,167	\$ -	\$ 7,626	\$ -	\$ -	\$ -	\$ -	\$ -	26,103
Network Expenses	\$ 2,802	\$ 11,580	\$ -	\$ 9,740	\$ -	\$ -	\$ -	\$ -	\$ -	24,123
Direct expense	\$ 7,112	\$ 25,747	\$ -	\$ 17,366	\$ -	\$ -	\$ -	\$ -	\$ -	50,225
Investment	\$ 27,302	\$ 89,000	\$ -	\$ 46,798	\$ -	\$ -	\$ -	\$ -	\$ -	163,100
Support expenses	\$ 1,200	\$ 4,840	\$ -	\$ 3,788	\$ -	\$ -	\$ -	\$ -	\$ -	9,828
Subtotal, with misc spt	\$ 8,312	\$ 30,587	\$ -	\$ 21,154	\$ -	\$ -	\$ -	\$ -	\$ -	60,054
Total, with var overhead	\$ 9,177	\$ 33,768	\$ -	\$ 23,354	\$ -	\$ -	\$ -	\$ -	\$ -	66,299
with carrier-to-carrier	\$ 9,186	\$ 33,828	\$ -	\$ 23,422	\$ -	\$ -	\$ -	\$ -	\$ -	66,435
Public Telephone										
Annual Capital Cost	\$ 394	\$ 4,258	\$ -	\$ 4,419	\$ -	\$ -	\$ -	\$ -	\$ -	9,071
Network Expenses	\$ 363	\$ 3,917	\$ -	\$ 4,065	\$ -	\$ -	\$ -	\$ -	\$ -	8,345
Direct expense	\$ 757	\$ 8,175	\$ -	\$ 8,484	\$ -	\$ -	\$ -	\$ -	\$ -	17,416
Investment	\$ 1,928	\$ 20,822	\$ -	\$ 21,611	\$ -	\$ -	\$ -	\$ -	\$ -	44,361
Support expenses	\$ 128	\$ 1,537	\$ -	\$ 1,851	\$ -	\$ -	\$ -	\$ -	\$ -	3,515
Subtotal, with misc spt	\$ 885	\$ 9,711	\$ -	\$ 10,335	\$ -	\$ -	\$ -	\$ -	\$ -	20,931
Total, with var overhead	\$ 977	\$ 10,721	\$ -	\$ 11,410	\$ -	\$ -	\$ -	\$ -	\$ -	23,108
with carrier-to-carrier	\$ 978	\$ 10,740	\$ -	\$ 11,443	\$ -	\$ -	\$ -	\$ -	\$ -	23,160
Totals										
Annual Capital Cost	\$ 687,665	\$ 1,837,501	\$ -	\$ 1,067,806	\$ -	\$ -	\$ -	\$ -	\$ -	3,592,973
Network Expenses	\$ 162,611	\$ 441,365	\$ -	\$ 263,084	\$ -	\$ -	\$ -	\$ -	\$ -	867,061
Total	\$ 850,277	\$ 2,278,866	\$ -	\$ 1,330,890	\$ -	\$ -	\$ -	\$ -	\$ -	4,460,033
Investment	\$ 4,231,363	\$ 11,243,646	\$ -	\$ 6,505,387	\$ -	\$ -	\$ -	\$ -	\$ -	21,980,396
Supporting Network Expenses										
Capital Cost - Gent Support	\$ 35,571	\$ 94,519	\$ -	\$ 54,687	\$ -	\$ -	\$ -	\$ -	\$ -	184,778
Network Operations	\$ 20,343	\$ 96,982	\$ -	\$ 95,273	\$ -	\$ -	\$ -	\$ -	\$ -	212,598
Network Support	\$ 2,446	\$ 6,555	\$ -	\$ 3,828	\$ -	\$ -	\$ -	\$ -	\$ -	12,828
Other Taxes	\$ 49,688	\$ 135,362	\$ -	\$ 81,060	\$ -	\$ -	\$ -	\$ -	\$ -	266,110
Misc Expenses	\$ 35,431	\$ 94,960	\$ -	\$ 55,458	\$ -	\$ -	\$ -	\$ -	\$ -	185,849
Subtotal	\$ 143,478	\$ 428,379	\$ -	\$ 290,307	\$ -	\$ -	\$ -	\$ -	\$ -	862,163
Carrier-carrier customer svc	\$ 1,105	\$ 5,269	\$ -	\$ 5,176	\$ -	\$ -	\$ -	\$ -	\$ -	11,550
Interoffice/Switching Net Ops	\$ 5,236	\$ 24,961	\$ -	\$ 24,522	\$ -	\$ -	\$ -	\$ -	\$ -	54,719
Interoffice/Sw Exp	\$ 104,238	\$ 443,132	\$ -	\$ 357,271	\$ -	\$ -	\$ -	\$ -	\$ -	904,641
Total Network Costs										
	\$ 998,991	\$ 2,732,206	\$ -	\$ 1,645,719	\$ -	\$ -	\$ -	\$ -	\$ -	5,376,915
Other costs										
Other Taxes	\$ 49,688	\$ 135,362	\$ -	\$ 81,060	\$ -	\$ -	\$ -	\$ -	\$ -	266,110
Monthly Cost Factors										
Loop	0.02243	0.02252	-	0.02254	-	-	-	-	-	0.02260
Port	0.00770	0.00770	-	0.00773	-	-	-	-	-	0.00772
Switching	0.01022	0.01022	-	0.01027	-	-	-	-	-	0.01024
Signaling	0.00349	0.00456	-	0.00726	-	-	-	-	-	0.00528
Transport	0.00321	0.00377	-	0.00549	-	-	-	-	-	0.00429
Billing/Bill Inquiries (per line)	2.74	2.74	-	2.74	-	-	-	-	-	2.74
Directory Listing (per line)	-	-	-	-	-	-	-	-	-	-
LNP Expense (per line)	0.30	0.30	-	0.30	-	-	-	-	-	0.30
Inverse Carrier to Carrier Expense Factors										
	99.9035%	99.8320%	0.0000%	99.7270%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	99.8172%

Use this sheet to vary the proportion of expenses assigned to loop-related network elements on the basis of lines and on the basis of direct expenses, respectively. Change only the % assigned "per line" -- the "per direct cost" will be calculated.

	Total Annual Amount assigned to loops	% to be assigned per line	% to be assigned per direct cost	Annual Amount to be assigned per line	Annual Amount to be assigned per direct cost
General Support - Loops					
Furniture - Capital Costs	\$ 6,218	0%	100%	\$ -	\$ 6,218
Furniture - Expenses	\$ 4,774	0%	100%	\$ -	\$ 4,774
Office Equipment - Capital Costs	\$ 17,750	0%	100%	\$ -	\$ 17,750
Office Equipment - Expenses	\$ 10,115	0%	100%	\$ -	\$ 10,115
General Purpose Computer - Capital Costs	\$ 37,092	0%	100%	\$ -	\$ 37,092
General Purpose Computer - Expenses	\$ 97,786	0%	100%	\$ -	\$ 97,786
Motor Vehicles - Capital Costs	\$ 22,382	0%	100%	\$ -	\$ 22,382
Motor Vehicles - Expenses	\$ 7,820	0%	100%	\$ -	\$ 7,820
Buildings - Capital Costs	\$ 44,738	0%	100%	\$ -	\$ 44,738
Buildings - Expenses	\$ 32,659	0%	100%	\$ -	\$ 32,659
Garage Work Eqpt. - Capital Costs	\$ 655	0%	100%	\$ -	\$ 655
Garage Work Eqpt. - Expenses	\$ 228	0%	100%	\$ -	\$ 228
Other Work Eqpt. - Capital Costs	\$ 15,661	0%	100%	\$ -	\$ 15,661
Other Work Eqpt. - Expenses	\$ 1,984	0%	100%	\$ -	\$ 1,984
Total General Support	\$ 299,862			\$ -	\$ 299,862
Network Operations	\$ 166,252	0%	100%	\$ -	\$ 166,252
Other Taxes	\$ 208,098	0%	100%	\$ -	\$ 208,098
Variable Overhead	\$ 432,844	0%	100%	\$ -	\$ 432,844
Totals	\$ 674,213			\$ -	\$ 1,107,057

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Direct Costs										
Loop-related direct costs	\$ 738,170	\$ 1,801,812	\$ -	\$ 947,769	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,487,751
Non-Loop-related direct costs	\$ 112,107	\$ 477,054	\$ -	\$ 383,122	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 972,283
Total	\$ 850,277	\$ 2,278,866	\$ -	\$ 1,330,890	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,460,033
Loop Fraction	86.82%	79.07%	0.00%	71.21%	0.00%	0.00%	0.00%	0.00%	0.00%	78.20%
Network Operations	\$ 20,343	\$ 96,982	\$ -	\$ 95,273	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 212,598

	Total Annual Amount	Amount Assigned to Loops	Amount Assigned to Other UNEs
General Support - Totals			
Furniture - Capital Costs	\$ 7,951	\$ 6,218	\$ 1,733
Furniture - Expenses	\$ 6,104	\$ 4,774	\$ 1,331
Office Equipment - Capital Costs	\$ 22,699	\$ 17,750	\$ 4,948
Office Equipment - Expenses	\$ 12,934	\$ 10,115	\$ 2,820
General Purpose Computer - Capital Costs	\$ 47,432	\$ 37,092	\$ 10,340
General Purpose Computer - Expenses	\$ 125,047	\$ 97,786	\$ 27,260
Motor Vehicles - Capital Costs	\$ 28,622	\$ 22,382	\$ 6,240
			\$ 184,778
			\$ 198,678

Exp Assignment

Motor Vehicles - Expenses	\$ 10,000	\$ 7,820	\$ 2,180	
Buildings - Capital Costs	\$ 57,209	\$ 44,738	\$ 12,472	
Buildings - Expenses	\$ 41,764	\$ 32,659	\$ 9,104	
Garage Work Eqpt. - Capital Costs	\$ 838	\$ 655	\$ 183	
Garage Work Eqpt. - Expenses	\$ 292	\$ 228	\$ 64	
Other Work Eqpt. - Capital Costs	\$ 20,027	\$ 15,661	\$ 4,366	
Other Work Eqpt. - Expenses	\$ 2,537	\$ 1,984	\$ 553	
Total General Support	\$ 383,455	\$ 299,862	\$ 83,593	
Network Operations	\$ 212,598	\$ 166,252	\$ 46,346	
Other Taxes Calculation				
Total Direct Costs	\$ 4,460,033	\$ 3,487,751	\$ 972,283	\$ 4,460,033
Total Network Operations	\$ 212,598	\$ 166,252	\$ 46,346	\$ 212,598
Total General Support	\$ 383,455	\$ 299,862	\$ 83,593	\$ 464,787
Total	\$ 5,056,087	\$ 3,953,865	\$ 1,102,222	
Other Taxes	\$ 266,110	\$ 208,098	\$ 58,012	\$ 730,897
Total Expenses and Other Taxes	\$ 5,322,197	\$ 4,161,963	\$ 1,160,233	
Variable Overhead Calculation				
Variable Overhead	\$ 553,508	\$ 432,844	\$ 120,664	
Total Cost with Variable Overhead	5,875,705	4,594,808	1,280,898	

UNE Expense Assignment

Totals

NID		
per line cost	\$	-
per direct cost	\$	10,673
total	\$	10,673
Distribution (DLC)		
per line cost	\$	-
per direct cost	\$	720,261
total	\$	720,261
Distribution (non-DLC)		
per line cost	\$	-
per direct cost	\$	-
total	\$	-
Concentrator (DLC)		
per line cost	\$	-
per direct cost	\$	132,753
total	\$	132,753
Concentrator (non-DLC)		
per line cost	\$	-
per direct cost	\$	-
total	\$	-
Feeder (DLC)		
per line cost	\$	-
per direct cost	\$	243,369
total	\$	243,369
Feeder (non-DLC)		

Exp Assignment

per line cost \$ -
per direct cost \$ -
total \$ -

End Office Switching	\$	566,186
Signaling	\$	28,864
Dedicated Transport	\$	110,368
Dedicated Transport Transmission	\$	45,668
Direct Transport	\$	87,315
Direct Transport Transmission	\$	20,430
Common Transport	\$	250,263
Common Transport Transmission	\$	73,509
Tandem Switching	\$	9,184
Operator Systems	\$	66,168
Public Telephone	\$	22,944

COST SUMMARY

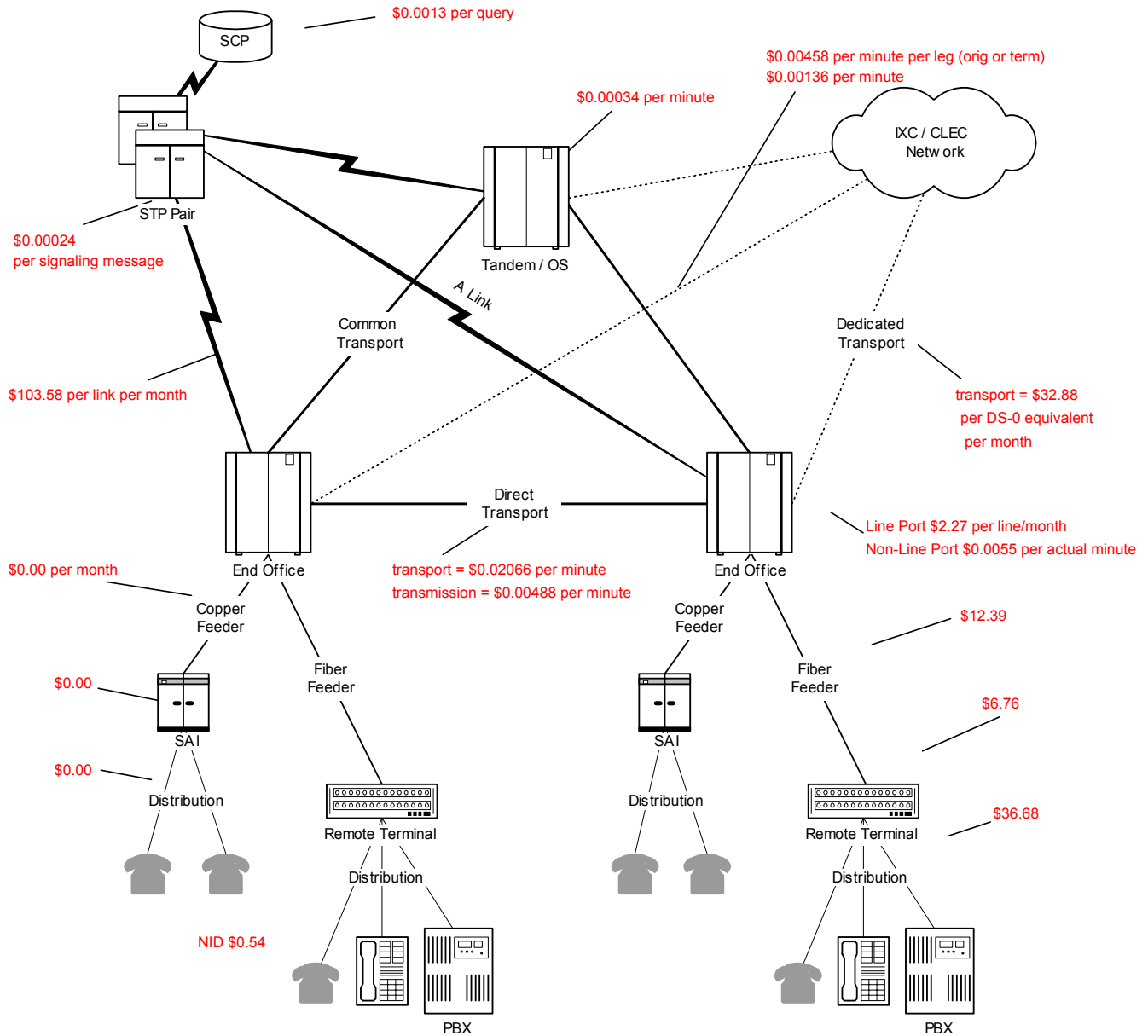
Missouri Cass County Tel Co

Network Element	Investment *	% of total investment	1	2	1 + 2	3	1 + 2 + 3	Total
			Annual Capital Cost	Network Expenses	Direct Expense	Support Expense	Subtotal (with misc support)	(with carrier-to-carrier)
NID	\$ 175,385	0.8%	\$ 28,063	\$ 5,562	\$ 33,625	\$ 10,673	\$ 44,298	\$ 44,395
<i>Distribution (DLC)</i>	11,322,627	51.5%	1,822,388	446,775	2,269,163	720,261	2,989,425	2,995,339
<i>Distribution (non-DLC)</i>	-	0.0%	-	-	-	-	-	-
Distribution (all)	11,322,627	51.5%	1,822,388	446,775	2,269,163	720,261	2,989,425	2,995,339
<i>Concentrator (DLC)</i>	1,994,931	9.1%	387,437	30,797	418,234	132,753	550,987	552,068
<i>Concentrator (non-DLC)</i>	-	0.0%	-	-	-	-	-	-
Concentrator (all)	1,994,931	9.1%	387,437	30,797	418,234	132,753	550,987	552,068
<i>Feeder (DLC)</i>	3,917,432	17.8%	611,037	155,692	766,728	243,369	1,010,098	1,011,818
<i>Feeder (non-DLC)</i>	-	0.0%	-	-	-	-	-	-
Feeder (all)	3,917,432	17.8%	611,037	155,692	766,728	243,369	1,010,098	1,011,818
End Office Switching	1,983,506	9.0%	317,843	111,929	429,771	112,038	541,809	599,410
Signaling	106,575	0.5%	17,125	4,784	21,909	5,576	27,485	30,403
Dedicated Transport	428,806	2.0%	66,793	16,984	83,777	21,571	105,347	116,538
Dedicated Transport Transmission	164,570	0.7%	32,147	2,518	34,665	9,223	43,889	48,561
Direct Transport	339,195	1.5%	52,842	13,436	66,278	16,600	82,878	91,664
Direct Transport Transmission	73,620	0.3%	14,381	1,126	15,507	4,042	19,550	21,628
Common Transport	972,208	4.4%	151,456	38,509	189,965	47,984	237,949	263,192
Common Transport Transmission	264,894	1.2%	51,745	4,053	55,798	14,687	70,484	77,982
Tandem Switching	29,185	0.1%	4,544	2,427	6,971	1,818	8,789	9,723
Operator Systems	163,100	0.7%	26,103	24,123	50,225	9,828	60,054	66,435
Public Telephone	44,361	0.2%	9,071	8,345	17,416	3,515	20,931	23,160
Total Network Cost								
Total	\$ 21,980,396	100%	\$ 3,592,973	\$ 867,061	\$ 4,460,033	\$ 1,353,939	\$ 5,813,972	\$ 5,952,316

* Post sharing

Unbundled Network Elements

Missouri / Cass County Tel Co



USOA Detail Breakdown of HAI Model Costs

**Cass County Tel Co
Missouri**

USOA	INVESTMENT DESCRIPTION	Cost \$(000)
Telecommunications Plant in Service		
2111	LAND	50
2112	MOTOR VEHICLES	150
2113	AIRCRAFT	
2114	SPECIAL PURPOSE VEHICLES	
2115	GARAGE WORK EQUIPMENT	4
2116	OTHER WORK EQUIPMENT	117
2121	BUILDINGS	725
2122	FURNITURE	50
2123.1	OFFICE SUPPORT EQUIPMENT	127
2123.2	COMPANY COMMUNICATIONS EQUIPMENT	
2124	GENERAL PURPOSE COMPUTERS	196
2110	TOTAL LAND & SUPPORT ASSETS	1,419
2212	DIGITAL ELECTRONIC SWITCHING	1,679
2220	OPERATOR SYSTEMS	15
2232	CIRCUIT EQUIPMENT	2,466
2351	PUBLIC TEL TERMINAL EQUIPMENT	44
2411	POLES	363
2421.1	AERIAL CABLE - METALLIC	283
2421.2	AERIAL CABLE - NonMETALLIC	189
2422.1	UNDERGROUND CABLE - METALLIC	0
2422.2	UNDERGROUND CABLE - NonMETALLIC	0
2423.1	BURIED CABLE - METALLIC	10,971
2423.2	BURIED CABLE - NonMETALLIC	5,574
2426.1	INTRABUILDING NETWORK CABLE - MET.	
2426.2	INTRABUILDING NETWORK CABLE - NonMET.	
2441	CONDUIT SYSTEMS	0
2410	TOTAL CABLE & WIRE FACILITIES	17,380
	Total TPIS (before amortizable assets)*	23,003

* This calculation of total plant includes GSF investment. GSF investment is not included in the total investment that is reported in the "Summary" sheet.

USOA	EXPENSE DESCRIPTION	Cost \$(000)
Plant Specific Expenses		
6112	MOTOR VEHICLES	10
6113	AIRCRAFT	4
6114	SPECIAL PURPOSE VEHICLES	0
6115	GARAGE WORK EQUIPMENT	0
6116	OTHER WORK EQUIPMENT	3
6110	NETWORK SUPPORT	17
6121	LAND & BUILDINGS	88
6122	FURNITURE	7
6123	OFFICE EQUIPMENT	15
6124	GENERAL PURPOSE COMPUTERS	149
6120	LAND & SUPPORT ASSETS	260
6212	DIGITAL ELECTRONIC SWITCHING	80
6220	OPERATOR SYSTEMS	18
6232	CIRCUIT EQUIPMENT	38
6351	PUBLIC TEL TERMINAL EQUIPMENT	8
6411	POLES	15
6421	AERIAL CABLE	30
6422	UNDERGROUND CABLE	0
6423	BURIED CABLE	640
6426	INTRABUILDING NETWORK CABLE	
6441	CONDUIT SYSTEMS	0
6410	TOTAL CABLE & WIRE FACILITIES	684
	Total Plant Specific Expenses	1,106
Plant Nonspecific Operations		
	TOTAL NETWORK OPERATIONS SUPPORT	267
6561	DEPRECIATION TPIS	1,360
6623	CUSTOMER SERVICES	12
	Total Plant Nonspecific Operations	1,639
	TOTAL CORPORATE OPERATIONS	559
	TOTAL OPERATING EXPENSES	3,305
7240	OPERATING OTHER TAXES	266
	TOTAL EXPENSES & OPERATING TAXES	3,571

USOA Depreciation Calculations

	<u>Depl life</u>	<u>DepFact</u>	<u>Dep Exp</u>
2111			
2112	10.45	0.09589	14
2113			
2114			
2115	9.97	0.10031	0
2116	13.92	0.07189	8
2121	48.73	0.02052	15
2122	18.36	0.05449	3
2123.1	12.44	0.08052	10
2123.2	7.99	0.12517	-
2124	6.61	0.15223	30
2110			
2212	17.17	0.05827	98
2220	9.25	0.10829	2
2232	9.90	0.10108	249
2351	8.98	0.11145	5
2411	8.38	0.11972	43
2421.1	13.61	0.07355	21
2421.2	18.92	0.05286	10
2422.1	17.88	0.05596	-
2422.2	20.14	0.04966	-
2423.1	18.36	0.05450	598
2423.2	21.97	0.04551	254
2426.1	13.57	0.07377	-
2426.2	21.37	0.04681	-
2441	46.15	0.02167	-
<i>Total Depreciation</i>			<i>1,360</i>

Network Element Disaggregations

Investment Disaggregations:

<i>Terminal, Drop, and NID</i>	<i>1,154,584</i>
Aerial-m portion	29,050
Buried-m portion	1,125,534

<i>OS Trks + Signaling links</i>	<i>192,289</i>
Circuit Eqpt. portion	32,048
Pole portion	2,928
Aerial-nm portion	4,587
Underground-nm portion	-
Buried-nm portion	152,726
Conduit portion	-

<i>SAI</i>	<i>63,800</i>
Aerial-m portion	-
Aerial-nm portion	2,210
Underground-m portion	-
Underground-nm portion	-
Buried-m portion	-
Buried-nm portion	61,590

Expense Disaggregations:

<i>Terminal, Drop, and NID</i>	<i>43,516</i>
Aerial portion	2,096
Buried portion	41,420

<i>OS Trks + Signaling links</i>	<i>7,453</i>
Circuit Eqpt. portion	1,242
Pole portion	118
Aerial-nm portion	282
Underground-nm portion	-
Buried-nm portion	5,810
Conduit portion	-

<i>SAI</i>	<i>1,251</i>
Aerial portion	43
Underground portion	-
Buried portion	1,207

General Support

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
General Support Investment										
furniture	\$ 9,599	\$ 25,506	\$ -	\$ 14,757	\$ -	\$ -	\$ -	\$ -	\$ -	49,861
office equipment	24,532	65,188	-	37,716	-	-	-	-	-	127,436
general purpose computers	37,725	100,244	-	58,000	-	-	-	-	-	195,970
motor vehicles	28,865	76,702	-	44,378	-	-	-	-	-	149,945
buildings	72,909	193,734	-	112,091	-	-	-	-	-	378,735
garage work equipment	828	2,201	-	1,273	-	-	-	-	-	4,303
other work equipment	22,494	59,771	-	34,583	-	-	-	-	-	116,848
										-
TOTAL	\$ 196,953	\$ 523,346	\$ -	\$ 302,799	\$ -	\$ -	\$ -	\$ -	\$ -	1,023,098
Levelized Cost of Capital										
furniture	\$ 1,531	\$ 4,067	\$ -	\$ 2,353	\$ -	\$ -	\$ -	\$ -	\$ -	7,951
office equipment	4,370	11,611	-	6,718	-	-	-	-	-	22,699
general purpose computers	9,131	24,263	-	14,038	-	-	-	-	-	47,432
motor vehicles	5,510	14,641	-	8,471	-	-	-	-	-	28,622
buildings	11,013	29,264	-	16,932	-	-	-	-	-	57,209
garage work equipment	161	428	-	248	-	-	-	-	-	838
other work equipment	3,855	10,244	-	5,927	-	-	-	-	-	20,027
TOTAL	\$ 35,571	\$ 94,519	\$ -	\$ 54,687	\$ -	\$ -	\$ -	\$ -	\$ -	184,778

Distribution

	0-5	5-100	100-200	200-650	650-850	850-2550	2550-6000	6000-10000	>10000	Totals
	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	
Fiber Feeder										
Distribution Investment										
buried cable	\$ 717,543	\$ 2,514,995	\$ -	\$ 1,788,411	\$ -	\$ -	\$ -	\$ -	\$ -	5,020,949
aerial cable	36,313	127,277	-	90,507	-	-	-	-	-	254,097
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	1,051,767	2,593,944	-	1,178,311	-	-	-	-	-	4,824,021
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	62,967	146,784	-	34,611	-	-	-	-	-	244,362
terminal	54,901	261,734	-	128,679	-	-	-	-	-	445,314
drop	67,488	286,455	-	179,941	-	-	-	-	-	533,884
TOTAL	\$ 1,990,979	\$ 5,931,189	\$ -	\$ 3,400,459	\$ -	\$ -	\$ -	\$ -	\$ -	11,322,627
	17.58%	52.38%	0.00%	30.03%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
buried cable	\$ 114,432	\$ 401,084	\$ -	\$ 285,211	\$ -	\$ -	\$ -	\$ -	\$ -	800,727
aerial cable	6,270	21,976	-	15,627	-	-	-	-	-	43,873
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	167,733	413,675	-	187,914	-	-	-	-	-	769,321
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	13,345	31,109	-	7,335	-	-	-	-	-	51,789
terminal	8,785	41,879	-	20,589	-	-	-	-	-	71,253
drop	10,799	45,634	-	28,791	-	-	-	-	-	85,424
TOTAL	\$ 321,363	\$ 955,558	\$ -	\$ 545,468	\$ -	\$ -	\$ -	\$ -	\$ -	1,822,388
Network Expenses										
buried cable	27,897	97,779	-	69,531	-	-	-	-	-	195,206
aerial cable	2,284	8,004	-	5,692	-	-	-	-	-	15,979
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	40,891	100,848	-	45,811	-	-	-	-	-	187,550
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	2,599	6,058	-	1,428	-	-	-	-	-	10,085
terminal	2,128	10,145	-	4,988	-	-	-	-	-	17,260
drop	2,616	11,103	-	6,975	-	-	-	-	-	20,693
TOTAL	\$ 78,414	\$ 233,937	\$ -	\$ 134,424	\$ -	\$ -	\$ -	\$ -	\$ -	446,775
Summary										
Cost of Capital	\$ 321,363	\$ 955,558	\$ -	\$ 545,468	\$ -	\$ -	\$ -	\$ -	\$ -	1,822,388
Network Expense	78,414	233,937	-	134,424	-	-	-	-	-	446,775
TOTAL	\$ 399,777	\$ 1,189,495	\$ -	\$ 679,892	\$ -	\$ -	\$ -	\$ -	\$ -	2,269,163
Copper Feeder										
Distribution Investment										
buried cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
aerial cable	-	-	-	-	-	-	-	-	-	-
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	-	-	-	-	-	-	-	-	-	-
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	-	-	-	-	-	-	-	-	-	-
terminal	-	-	-	-	-	-	-	-	-	-
drop	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Levelized Cost of Capital										
buried cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
aerial cable	-	-	-	-	-	-	-	-	-	-
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	-	-	-	-	-	-	-	-	-	-
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	-	-	-	-	-	-	-	-	-	-
terminal	-	-	-	-	-	-	-	-	-	-
drop	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Network Expenses										
buried cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
aerial cable	-	-	-	-	-	-	-	-	-	-

Distribution

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	-	-	-	-	-	-	-	-	-	-
terminal	-	-	-	-	-	-	-	-	-	-
drop	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Summary										
Cost of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Network Expense	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Total										
Distribution Investment										
buried cable	\$ 717,543	\$ 2,514,995	\$ -	\$ 1,788,411	\$ -	\$ -	\$ -	\$ -	\$ -	5,020,949
aerial cable	\$ 36,313	\$ 127,277	\$ -	\$ 90,507	\$ -	\$ -	\$ -	\$ -	\$ -	254,097
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried trenching	\$ 1,051,767	\$ 2,593,944	\$ -	\$ 1,178,311	\$ -	\$ -	\$ -	\$ -	\$ -	4,824,021
conduit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
underground trenching	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
poles	\$ 62,967	\$ 146,784	\$ -	\$ 34,611	\$ -	\$ -	\$ -	\$ -	\$ -	244,362
terminal	\$ 54,901	\$ 261,734	\$ -	\$ 128,679	\$ -	\$ -	\$ -	\$ -	\$ -	445,314
drop	\$ 67,488	\$ 286,455	\$ -	\$ 179,941	\$ -	\$ -	\$ -	\$ -	\$ -	533,884
TOTAL	\$ 1,990,979	\$ 5,931,189	\$ -	\$ 3,400,459	\$ -	\$ -	\$ -	\$ -	\$ -	11,322,627
	17.58%	52.38%	0.00%	30.03%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
buried cable	\$ 114,432	\$ 401,084	\$ -	\$ 285,211	\$ -	\$ -	\$ -	\$ -	\$ -	800,727
aerial cable	\$ 6,270	\$ 21,976	\$ -	\$ 15,627	\$ -	\$ -	\$ -	\$ -	\$ -	43,873
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried trenching	\$ 167,733	\$ 413,675	\$ -	\$ 187,914	\$ -	\$ -	\$ -	\$ -	\$ -	769,321
conduit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
underground trenching	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
poles	\$ 13,345	\$ 31,109	\$ -	\$ 7,335	\$ -	\$ -	\$ -	\$ -	\$ -	51,789
terminal	\$ 8,785	\$ 41,879	\$ -	\$ 20,589	\$ -	\$ -	\$ -	\$ -	\$ -	71,253
drop	\$ 10,799	\$ 45,834	\$ -	\$ 28,791	\$ -	\$ -	\$ -	\$ -	\$ -	85,424
TOTAL	\$ 321,363	\$ 955,558	\$ -	\$ 545,468	\$ -	\$ -	\$ -	\$ -	\$ -	1,822,388
Network Expenses										
buried cable	\$ 27,897	\$ 97,779	\$ -	\$ 69,531	\$ -	\$ -	\$ -	\$ -	\$ -	195,206
aerial cable	\$ 2,284	\$ 8,004	\$ -	\$ 5,692	\$ -	\$ -	\$ -	\$ -	\$ -	15,979
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried trenching	\$ 40,891	\$ 100,848	\$ -	\$ 45,811	\$ -	\$ -	\$ -	\$ -	\$ -	187,550
conduit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
underground trenching	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
poles	\$ 2,599	\$ 6,058	\$ -	\$ 1,428	\$ -	\$ -	\$ -	\$ -	\$ -	10,085
terminal	\$ 2,128	\$ 10,145	\$ -	\$ 4,988	\$ -	\$ -	\$ -	\$ -	\$ -	17,260
drop	\$ 2,616	\$ 11,103	\$ -	\$ 6,975	\$ -	\$ -	\$ -	\$ -	\$ -	20,693
TOTAL	\$ 78,414	\$ 233,937	\$ -	\$ 134,424	\$ -	\$ -	\$ -	\$ -	\$ -	446,775
Summary										
Cost of Capital	\$ 321,363	\$ 955,558	\$ -	\$ 545,468	\$ -	\$ -	\$ -	\$ -	\$ -	1,822,388
Network Expense	\$ 78,414	\$ 233,937	\$ -	\$ 134,424	\$ -	\$ -	\$ -	\$ -	\$ -	446,775
TOTAL	\$ 399,777	\$ 1,189,495	\$ -	\$ 679,892	\$ -	\$ -	\$ -	\$ -	\$ -	2,269,163
NID Cost										
NID Investment	\$ 18,327	\$ 80,545	\$ -	\$ 76,513	\$ -	\$ -	\$ -	\$ -	\$ -	175,385
Levelized Cost of Capital	\$ 2,932	\$ 12,888	\$ -	\$ 12,242	\$ -	\$ -	\$ -	\$ -	\$ -	28,063
Network Expenses	\$ 621	\$ 2,566	\$ -	\$ 2,375	\$ -	\$ -	\$ -	\$ -	\$ -	5,562
TOTAL	\$ 3,554	\$ 15,453	\$ -	\$ 14,618	\$ -	\$ -	\$ -	\$ -	\$ -	33,625

Concentrator

	0-5 lines/sq m	5-100 lines/sq m	100-200 lines/sq m	200-650 lines/sq m	650-850 lines/sq m	850-2550 lines/sq m	2550-5000 lines/sq m	5000-10000 lines/sq m	>10000 lines/sq m	Totals
<i>Fiber Feeder</i>										
Concentrator Investment										
DLC Investment	\$ 379,872	\$ 980,442	\$ -	\$ 570,817	\$ -	\$ -	\$ -	\$ -	\$ -	1,931,131
SAI Investment	9,050	31,350	-	23,400	-	-	-	-	-	63,800
										\$ -
TOTAL	\$ 388,922 19.50%	\$ 1,011,792 50.72%	\$ - 0.00%	\$ 594,217 29.79%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	1,994,931 100.00%
Levelized Cost of Capital										
DLC	\$ 74,205	\$ 191,520	\$ -	\$ 111,504	\$ -	\$ -	\$ -	\$ -	\$ -	377,229
SAI	1,448	5,016	-	3,744	-	-	-	-	-	10,208
TOTAL	\$ 75,653	\$ 196,537	\$ -	\$ 115,248	\$ -	\$ -	\$ -	\$ -	\$ -	387,437
Network Expenses										
DLC	\$ 5,812	\$ 15,001	\$ -	\$ 8,734	\$ -	\$ -	\$ -	\$ -	\$ -	29,546
SAI	177	615	-	459	-	-	-	-	-	1,251
TOTAL	\$ 5,989	\$ 15,615	\$ -	\$ 9,192	\$ -	\$ -	\$ -	\$ -	\$ -	30,797
Summary										
Cost of Capital	\$ 75,653	\$ 196,537	\$ -	\$ 115,248	\$ -	\$ -	\$ -	\$ -	\$ -	387,437
Network Expense	5,989	15,615	-	9,192	-	-	-	-	-	30,797
TOTAL	\$ 81,642	\$ 212,152	\$ -	\$ 124,440	\$ -	\$ -	\$ -	\$ -	\$ -	418,234

	0-5 lines/sq m	5-100 lines/sq m	100-200 lines/sq m	200-650 lines/sq m	650-850 lines/sq m	850-2550 lines/sq m	2550-5000 lines/sq m	5000-10000 lines/sq m	>10000 lines/sq m	Totals
<i>Copper Feeder</i>										
Concentrator Investment										
DLC Investment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
SAI Investment	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	- 0.00%
Levelized Cost of Capital										
DLC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
SAI	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Network Expenses										
DLC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
SAI	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Summary										
Cost of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Network Expense	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-

	0-5 lines/sq m	5-100 lines/sq m	100-200 lines/sq m	200-650 lines/sq m	650-850 lines/sq m	850-2550 lines/sq m	2550-5000 lines/sq m	5000-10000 lines/sq m	>10000 lines/sq m	Totals
<i>Total</i>										
Concentrator Investment										
DLC Investment	\$ 379,872	\$ 980,442	\$ -	\$ 570,817	\$ -	\$ -	\$ -	\$ -	\$ -	1,931,131
SAI Investment	9,050	31,350	-	23,400	-	-	-	-	-	63,800
TOTAL	\$ 388,922 19.50%	\$ 1,011,792 50.72%	\$ - 0.00%	\$ 594,217 29.79%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	1,994,931 100.00%

Concentrator

	0-5 lines/sq m		5-100 lines/sq m		100-200 lines/sq m		200-650 lines/sq m		650-850 lines/sq m		850-2550 lines/sq m		2550-5000 lines/sq m		5000-10000 lines/sq m		>10000 lines/sq m		Totals	
Levelized Cost of Capital																				
DLC	\$	74,205	\$	191,520	\$	-	\$	111,504	\$	-	\$	-	\$	-	\$	-	\$	-	\$	377,229
SAI		1,448		5,016		-		3,744		-		-		-		-		-		10,208
TOTAL	\$	75,653	\$	196,537	\$	-	\$	115,248	\$	-	\$	-	\$	-	\$	-	\$	-	\$	387,437
Network Expenses																				
DLC	\$	5,812	\$	15,001	\$	-	\$	8,734	\$	-	\$	-	\$	-	\$	-	\$	-	\$	29,546
SAI		177		615		-		459		-		-		-		-		-		1,251
TOTAL	\$	5,989	\$	15,615	\$	-	\$	9,192	\$	-	\$	-	\$	-	\$	-	\$	-	\$	30,797
Summary																				
Cost of Capital	\$	75,653	\$	196,537	\$	-	\$	115,248	\$	-	\$	-	\$	-	\$	-	\$	-	\$	387,437
Network Expense		5,989		15,615		-		9,192		-		-		-		-		-		30,797
TOTAL	\$	81,642	\$	212,152	\$	-	\$	124,440	\$	-	\$	-	\$	-	\$	-	\$	-	\$	418,234

Feeder

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Fiber Feeder										
Feeder Investment										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	1,036,469	1,373,590	-	279,082	-	-	-	-	-	2,689,142
fiber aerial cable	51,296	67,532	-	13,950	-	-	-	-	-	132,778
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	189,098	474,195	-	348,486	-	-	-	-	-	1,011,780
poles	18,534	48,234	-	16,964	-	-	-	-	-	83,733
TOTAL	\$ 1,295,398 33.07%	\$ 1,963,552 50.12%	\$ - 0.00%	\$ 658,482 16.81%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ 3,917,432 100.00%
Levelized Cost of Capital										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	160,261	212,388	-	43,152	-	-	-	-	-	415,802
fiber aerial cable	8,130	10,704	-	2,211	-	-	-	-	-	21,045
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	29,239	73,321	-	53,884	-	-	-	-	-	156,444
poles	3,928	10,223	-	3,595	-	-	-	-	-	17,746
TOTAL	\$ 201,559	\$ 306,635	\$ -	\$ 102,843	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 611,037
Network Expenses										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	40,296	53,403	-	10,850	-	-	-	-	-	104,549
fiber aerial cable	3,226	4,247	-	877	-	-	-	-	-	8,350
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	7,352	18,436	-	13,549	-	-	-	-	-	39,336
poles	765	1,991	-	700	-	-	-	-	-	3,456
TOTAL	\$ 51,639	\$ 78,077	\$ -	\$ 25,976	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 155,692
Summary										
Cost of Capital	\$ 201,559	\$ 306,635	\$ -	\$ 102,843	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 611,037
Network Expense	51,639	78,077	-	25,976	-	-	-	-	-	155,692
TOTAL	\$ 253,198	\$ 384,712	\$ -	\$ 128,819	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 766,728

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Copper Feeder										
Feeder Investment										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	-	-	-	-	-	-	-	-	-	-
fiber aerial cable	-	-	-	-	-	-	-	-	-	-
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	-	-	-	-	-	-	-	-	-	-
poles	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%
Levelized Cost of Capital										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	-	-	-	-	-	-	-	-	-	-
fiber aerial cable	-	-	-	-	-	-	-	-	-	-
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-

Feeder

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
fiber buried placement	-	-	-	-	-	-	-	-	-	-
poles	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Network Expenses										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	-	-	-	-	-	-	-	-	-	-
fiber aerial cable	-	-	-	-	-	-	-	-	-	-
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	-	-	-	-	-	-	-	-	-	-
poles	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Summary										
Cost of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Network Expense	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Total										
Feeder Investment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
copper u/g cable	-	-	-	-	-	-	-	-	-	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	1,036,469	1,373,590	-	279,082	-	-	-	-	-	2,689,142
fiber aerial cable	51,296	67,532	-	13,950	-	-	-	-	-	132,778
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	189,098	474,195	-	348,486	-	-	-	-	-	1,011,780
poles	18,534	48,234	-	16,964	-	-	-	-	-	83,733
TOTAL	\$ 1,295,398	\$ 1,963,552	\$ -	\$ 658,482	\$ -	\$ 0.00%	\$ 0.00%	\$ 0.00%	\$ 0.00%	\$ 3,917,432
	33.07%	50.12%	0.00%	16.81%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	160,261	212,388	-	43,152	-	-	-	-	-	415,802
fiber aerial cable	8,130	10,704	-	2,211	-	-	-	-	-	21,045
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	29,239	73,321	-	53,884	-	-	-	-	-	156,444
poles	3,928	10,223	-	3,595	-	-	-	-	-	17,746
TOTAL	\$ 201,559	\$ 306,635	\$ -	\$ 102,843	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 611,037
Network Expenses										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	40,296	53,403	-	10,850	-	-	-	-	-	104,549
fiber aerial cable	3,226	4,247	-	877	-	-	-	-	-	8,350
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	7,352	18,436	-	13,549	-	-	-	-	-	39,336
poles	765	1,991	-	700	-	-	-	-	-	3,456
TOTAL	\$ 51,639	\$ 78,077	\$ -	\$ 25,976	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 155,692
Summary										
Cost of Capital	\$ 201,559	\$ 306,635	\$ -	\$ 102,843	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 611,037
Network Expense	51,639	78,077	-	25,976	-	-	-	-	-	155,692
TOTAL	\$ 253,198	\$ 384,712	\$ -	\$ 128,819	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 766,728

End Office Switching

	0-5 lines/sq m	5-100 lines/sq m	100-200 lines/sq m	200-650 lines/sq m	650-850 lines/sq m	850-2550 lines/sq m	2550-5000 lines/sq m	5000-10000 lines/sq m	>10000 lines/sq m	Totals
EO Switching Investment										
end office switching	\$ 158,094	\$ 736,960	\$ -	\$ 718,452	\$ -	\$ -	\$ -	\$ -	\$ -	1,613,506
MDF/protector	-	-	-	-	-	-	-	-	-	-
wire center	31,354	146,158	-	142,488	-	-	-	-	-	320,000
land	5,294	24,501	-	20,206	-	-	-	-	-	50,000
TOTAL	\$ 194,742	\$ 907,619	\$ -	\$ 881,146	\$ -	\$ -	\$ -	\$ -	\$ -	1,983,506
	9.82%	45.76%	0.00%	44.42%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
end office switching	\$ 25,582	\$ 119,253	\$ -	\$ 116,258	\$ -	\$ -	\$ -	\$ -	\$ -	261,093
MDF/protector	-	-	-	-	-	-	-	-	-	-
wire center	4,736	22,078	-	21,523	-	-	-	-	-	48,337
land	891	4,122	-	3,400	-	-	-	-	-	8,413
TOTAL	\$ 31,209	\$ 145,453	\$ -	\$ 141,181	\$ -	\$ -	\$ -	\$ -	\$ -	317,843
Network Expenses										
end office switching	\$ 7,509	\$ 35,006	\$ -	\$ 34,126	\$ -	\$ -	\$ -	\$ -	\$ -	76,642
MDF/protector	-	-	-	-	-	-	-	-	-	-
wire center	3,457	16,117	-	15,712	-	-	-	-	-	35,287
land	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 10,967	\$ 51,123	\$ -	\$ 49,839	\$ -	\$ -	\$ -	\$ -	\$ -	111,929
Summary										
Cost of Capital	\$ 31,209	\$ 145,453	\$ -	\$ 141,181	\$ -	\$ -	\$ -	\$ -	\$ -	317,843
Network Expense	10,967	51,123	-	49,839	-	-	-	-	-	111,929
TOTAL	\$ 42,176	\$ 196,575	\$ -	\$ 191,020	\$ -	\$ -	\$ -	\$ -	\$ -	429,771

Signaling

	0-5 lines/sq m	5-100 lines/sq m	100-200 lines/sq m	200-650 lines/sq m	650-850 lines/sq m	850-2550 lines/sq m	2550-5000 lines/sq m	5000-10000 lines/sq m	>10000 lines/sq m	Totals
Signaling Investment										
SCP	\$ 1,625	\$ 7,574	\$ -	\$ 7,384	\$ -	\$ -	\$ -	\$ -	\$ -	16,582
SCP wire center	260	1,212	-	1,181	-	-	-	-	-	2,653
STP	3,575	16,663	-	16,244	-	-	-	-	-	36,481
signaling links	10,337	30,862	-	9,659	-	-	-	-	-	50,858
TOTAL	\$ 15,796	\$ 56,311	\$ -	\$ 34,469	\$ -	\$ -	\$ -	\$ -	\$ -	106,575
	14.82%	52.84%	0.00%	32.34%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
SCP	\$ 263	\$ 1,226	\$ -	\$ 1,195	\$ -	\$ -	\$ -	\$ -	\$ -	2,683
SCP wire center	39	183	-	178	-	-	-	-	-	401
STP	578	2,696	-	2,629	-	-	-	-	-	5,903
signaling links	1,654	4,938	-	1,546	-	-	-	-	-	8,138
TOTAL	\$ 2,535	\$ 9,043	\$ -	\$ 5,547	\$ -	\$ -	\$ -	\$ -	\$ -	17,125
Network Expenses										
SCP	\$ 77	\$ 360	\$ -	\$ 351	\$ -	\$ -	\$ -	\$ -	\$ -	788
SCP wire center	29	134	-	130	-	-	-	-	-	293
STP	170	791	-	772	-	-	-	-	-	1,733
signaling links	401	1,196	-	374	-	-	-	-	-	1,971
TOTAL	\$ 676	\$ 2,481	\$ -	\$ 1,627	\$ -	\$ -	\$ -	\$ -	\$ -	4,784
Summary										
Cost of Capital	\$ 2,535	\$ 9,043	\$ -	\$ 5,547	\$ -	\$ -	\$ -	\$ -	\$ -	17,125
Network Expense	676	2,481	-	1,627	-	-	-	-	-	4,784
TOTAL	\$ 3,211	\$ 11,524	\$ -	\$ 7,174	\$ -	\$ -	\$ -	\$ -	\$ -	21,909

Dedicated Transport

	0-5 lines/sq m	5-100 lines/sq m	100-200 lines/sq m	200-650 lines/sq m	650-850 lines/sq m	850-2550 lines/sq m	2550-5000 lines/sq m	5000-10000 lines/sq m	>10000 lines/sq m	Totals
Dedicated Transport Investment										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
buried cable	37,164	222,720	-	148,954	-	-	-	-	-	408,838
aerial cable	1,114	6,690	-	4,450	-	-	-	-	-	12,254
poles	744	4,055	-	2,915	-	-	-	-	-	7,714
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 39,022	\$ 233,466	\$ -	\$ 156,318	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 428,806
Levelized Cost of Capital										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
buried cable	5,746	34,438	-	23,032	-	-	-	-	-	63,216
aerial cable	176	1,060	-	705	-	-	-	-	-	1,942
poles	158	859	-	618	-	-	-	-	-	1,635
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 6,081	\$ 36,357	\$ -	\$ 24,355	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 66,793
Network Expenses										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
buried cable	1,445	8,659	-	5,791	-	-	-	-	-	15,895
aerial cable	70	421	-	280	-	-	-	-	-	771
poles	31	167	-	120	-	-	-	-	-	318
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 1,546	\$ 9,247	\$ -	\$ 6,191	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,984
Summary										
Cost of Capital	\$ 6,081	\$ 36,357	\$ -	\$ 24,355	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 66,793
Network Expense	1,546	9,247	-	6,191	-	-	-	-	-	16,984
TOTAL	\$ 7,626	\$ 45,605	\$ -	\$ 30,546	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 83,777
Transmission Terminal										
investment	\$ 5,341	\$ 71,687	\$ -	\$ 87,542	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 164,570
levelized cost of capital	1,043	14,003	-	17,101	-	-	-	-	-	32,147
network expenses	82	1,097	-	1,339	-	-	-	-	-	2,518
TOTAL	\$ 1,125	\$ 15,100	\$ -	\$ 18,440	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 34,665

Direct Transport

	0-5 lines/sq m	5-100 lines/sq m	100-200 lines/sq m	200-650 lines/sq m	650-850 lines/sq m	850-2550 lines/sq m	2550-5000 lines/sq m	5000-10000 lines/sq m	>10000 lines/sq m	Totals
Direct Transport Investment										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
buried cable	58,650	182,727	-	81,867	-	-	-	-	-	323,244
aerial cable	1,761	5,522	-	2,439	-	-	-	-	-	9,722
poles	1,175	3,442	-	1,613	-	-	-	-	-	6,229
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 61,586	\$ 191,690	\$ -	\$ 85,919	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 339,195
Levelized Cost of Capital										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
buried cable	9,069	28,254	-	12,659	-	-	-	-	-	49,981
aerial cable	279	875	-	387	-	-	-	-	-	1,541
poles	249	729	-	342	-	-	-	-	-	1,320
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 9,597	\$ 29,858	\$ -	\$ 13,387	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,842
Network Expenses										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
buried cable	2,280	7,104	-	3,183	-	-	-	-	-	12,567
aerial cable	111	347	-	153	-	-	-	-	-	611
poles	48	142	-	67	-	-	-	-	-	257
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 2,439	\$ 7,593	\$ -	\$ 3,403	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,436
Summary										
Cost of Capital	\$ 9,597	\$ 29,858	\$ -	\$ 13,387	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,842
Network Expense	2,439	7,593	-	3,403	-	-	-	-	-	13,436
TOTAL	\$ 12,036	\$ 37,452	\$ -	\$ 16,790	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 66,278
Transmission Terminal										
investment	\$ 7,338	\$ 33,525	\$ -	\$ 32,757	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 73,620
levelized cost of capital	1,433	6,549	-	6,399	-	-	-	-	-	14,381
network expenses	112	513	-	501	-	-	-	-	-	1,126
TOTAL	\$ 1,546	\$ 7,062	\$ -	\$ 6,900	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,507

Common Transport

	0-5 lines/sq m	5-100 lines/sq m	100-200 lines/sq m	200-650 lines/sq m	650-850 lines/sq m	850-2550 lines/sq m	2550-5000 lines/sq m	5000-10000 lines/sq m	>10000 lines/sq m	Totals
Common Transport Investment										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
buried cable	154,371	499,188	-	272,956	-	-	-	-	-	926,514
aerial cable	4,633	15,070	-	8,140	-	-	-	-	-	27,843
poles	3,091	9,399	-	5,360	-	-	-	-	-	17,850
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 162,094	\$ 523,657	\$ -	\$ 286,457	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 972,208
Levelized Cost of Capital										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
buried cable	23,869	77,186	-	42,205	-	-	-	-	-	143,260
aerial cable	734	2,389	-	1,290	-	-	-	-	-	4,413
poles	655	1,992	-	1,136	-	-	-	-	-	3,783
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 25,258	\$ 81,566	\$ -	\$ 44,631	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 151,456
Network Expenses										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
buried cable	6,002	19,408	-	10,612	-	-	-	-	-	36,021
aerial cable	291	948	-	512	-	-	-	-	-	1,751
poles	128	388	-	221	-	-	-	-	-	737
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 6,421	\$ 20,743	\$ -	\$ 11,345	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 38,509
Summary										
Cost of Capital	\$ 25,258	\$ 81,566	\$ -	\$ 44,631	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 151,456
Network Expense	6,421	20,743	-	11,345	-	-	-	-	-	38,509
TOTAL	\$ 31,679	\$ 102,310	\$ -	\$ 55,977	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 189,965
Transmission Terminal										
investment	\$ 19,730	\$ 115,460	\$ -	\$ 129,705	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 264,894
levelized cost of capital	3,854	22,554	-	25,337	-	-	-	-	-	51,745
network expenses	302	1,767	-	1,984	-	-	-	-	-	4,053
TOTAL	\$ 4,156	\$ 24,321	\$ -	\$ 27,321	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 55,798

Tandem Switching

	0-5 lines/sq m	5-100 lines/sq m	100-200 lines/sq m	200-650 lines/sq m	650-850 lines/sq m	850-2550 lines/sq m	2550-5000 lines/sq m	5000-10000 lines/sq m	>10000 lines/sq m	Totals
Tandem Switching Investment										
tandem switching	\$ 1,235	\$ 5,756	\$ -	\$ 5,612	\$ -	\$ -	\$ -	\$ -	\$ -	12,603
wire center	1,625	7,574	-	7,384	-	-	-	-	-	16,582
TOTAL	\$ 2,860	\$ 13,330	\$ -	\$ 12,995	\$ -	\$ -	\$ -	\$ -	\$ -	29,185
Levelized Cost of Capital										
tandem switching	\$ 200	\$ 931	\$ -	\$ 908	\$ -	\$ -	\$ -	\$ -	\$ -	2,039
wire center	245	1,144	-	1,115	-	-	-	-	-	2,505
TOTAL	\$ 445	\$ 2,076	\$ -	\$ 2,023	\$ -	\$ -	\$ -	\$ -	\$ -	4,544
Network Expenses										
tandem switching	\$ 59	\$ 273	\$ -	\$ 267	\$ -	\$ -	\$ -	\$ -	\$ -	599
wire center	179	835	-	814	-	-	-	-	-	1,829
TOTAL	\$ 238	\$ 1,109	\$ -	\$ 1,081	\$ -	\$ -	\$ -	\$ -	\$ -	2,427
Summary										
Cost of Capital	\$ 445	\$ 2,076	\$ -	\$ 2,023	\$ -	\$ -	\$ -	\$ -	\$ -	4,544
Network Expense	238	1,109	-	1,081	-	-	-	-	-	2,427
TOTAL	\$ 683	\$ 3,184	\$ -	\$ 3,104	\$ -	\$ -	\$ -	\$ -	\$ -	6,971

Operator Services

	0-5 lines/sq m	5-100 lines/sq m	100-200 lines/sq m	200-650 lines/sq m	650-850 lines/sq m	850-2550 lines/sq m	2550-5000 lines/sq m	5000-10000 lines/sq m	>10000 lines/sq m	Totals
Operator Investment										
OS Tandem Switching	\$ 520	\$ 2,424	\$ -	\$ 2,363	\$ -	\$ -	\$ -	\$ -	\$ -	5,306
OS Tandem Wire Center	650	3,030	-	2,954	-	-	-	-	-	6,633
OS Trunks	25,179	79,103	-	37,149	-	-	-	-	-	141,431
OS Position	953	4,444	-	4,332	-	-	-	-	-	9,730
TOTAL	\$ 27,302	\$ 89,000	\$ -	\$ 46,798	\$ -	\$ -	\$ -	\$ -	\$ -	163,100
Levelized Cost of Capital										
OS Tandem Switching	\$ 84	\$ 392	\$ -	\$ 382	\$ -	\$ -	\$ -	\$ -	\$ -	859
OS Tandem Wire Center	98	458	-	446	-	-	-	-	-	1,002
OS Trunks	3896.549129	12241.55168	0	5748.985257	0	0	0	0	0	21,887
OS Position	231	1,076	-	1,049	-	-	-	-	-	2,355
TOTAL	\$ 4,310	\$ 14,167	\$ -	\$ 7,626	\$ -	\$ -	\$ -	\$ -	\$ -	26,103
Network Expenses										
OS Tandem Switching	\$ 25	\$ 115	\$ -	\$ 112	\$ -	\$ -	\$ -	\$ -	\$ -	252
OS Tandem Wire Center	72	334	-	326	-	-	-	-	-	731
OS Trunks	976	3,066	-	1,440	-	-	-	-	-	5,482
OS Position	64	300	-	293	-	-	-	-	-	657
Operator Wages	1,666	7,765	-	7,570	-	-	-	-	-	17,000
TOTAL	\$ 2,802	\$ 11,580	\$ -	\$ 9,740	\$ -	\$ -	\$ -	\$ -	\$ -	24,123
Summary										
Cost of Capital	\$ 4,310	\$ 14,167	\$ -	\$ 7,626	\$ -	\$ -	\$ -	\$ -	\$ -	26,103
Network Expense	2,802	11,580	-	9,740	-	-	-	-	-	24,123
TOTAL	\$ 7,112	\$ 25,747	\$ -	\$ 17,366	\$ -	\$ -	\$ -	\$ -	\$ -	50,225

Public Telephone

	0-5 lines/sq m	5-100 lines/sq m	100-200 lines/sq m	200-650 lines/sq m	650-850 lines/sq m	850-2550 lines/sq m	2550-5000 lines/sq m	5000-10000 lines/sq m	>10000 lines/sq m	Totals
Public Telephone Investment	\$ 1,928	\$ 20,822	\$ -	\$ 21,611	\$ -	\$ -	\$ -	\$ -	\$ -	44,361
	4.35%	46.94%	0.00%	48.72%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital	\$ 394	\$ 4,258	\$ -	\$ 4,419	\$ -	\$ -	\$ -	\$ -	\$ -	9,071
Network Expenses	\$ 363	\$ 3,917	\$ -	\$ 4,065	\$ -	\$ -	\$ -	\$ -	\$ -	8,345
Summary										
Cost of Capital	\$ 394	\$ 4,258	\$ -	\$ 4,419	\$ -	\$ -	\$ -	\$ -	\$ -	9,071
Network Expense	363	3,917	-	4,065	-	-	-	-	-	8,345
TOTAL	\$ 757	\$ 8,175	\$ -	\$ 8,484	\$ -	\$ -	\$ -	\$ -	\$ -	17,416

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DeprecLife	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	
CCF-Fact	0.15007	0.15004	0.15003	0.15005	0.15008	0.15013	0.15019	0.15026	0.15034	0.15044	0.15053	0.15064	0.15074	0.15085	0.15097	0.15108	0.15120	0.15132	0.15144	0.15156	0.15168	0.15179	0.15191	0.15203	0.15214	0.15226	0.15237	0.15248	0.15259	0.15270	0.15280	0.15290	0.15301	
DeprecFact	0.02041	0.02057	0.02073	0.02073	0.02032	0.02564	0.02500	0.02439	0.02381	0.02236	0.02273	0.02222	0.02174	0.02128	0.02083	0.02041	0.02000	0.01961	0.01923	0.01887	0.01852	0.01818	0.01786	0.01754	0.01724	0.01695	0.01667	0.01639	0.01613	0.01587	0.01563	0.01538	0.01515	
ROF-Fact	0.08481	0.08538	0.08593	0.08647	0.08699	0.08750	0.08799	0.08847	0.08894	0.08939	0.08983	0.09026	0.09068	0.09108	0.09147	0.09185	0.09222	0.09258	0.09293	0.09327	0.09360	0.09391	0.09423	0.09453	0.09482	0.09511	0.09538	0.09565	0.09592	0.09617	0.09642	0.09666	0.09690	
Fax-GU-Fact	0.15085	0.15069	0.15063	0.15067	0.15077	0.15089	0.15102	0.15115	0.15128	0.15141	0.15154	0.15167	0.15180	0.15193	0.15206	0.15219	0.15232	0.15245	0.15258	0.15271	0.15284	0.15297	0.15310	0.15323	0.15336	0.15349	0.15362	0.15375	0.15388	0.15401	0.15414	0.15427	0.15440	0.15453
COE																																		
COB																																		
NPV-EoP	1.29477	1.29808	1.30124	1.30426	1.30715	1.30991	1.31255	1.31508	1.31751	1.31984	1.32207	1.32421	1.32627	1.32825	1.33016	1.33199	1.33376	1.33546	1.33710	1.33868	1.34021	1.34168	1.34311	1.34448	1.34581	1.34710	1.34835	1.34955	1.35072	1.35185	1.35295	1.35402	1.35505	
NPV-BoP	1.44043	1.44411	1.44763	1.45099	1.45420	1.45727	1.46021	1.46303	1.46573	1.46831	1.47080	1.47318	1.47548	1.47768	1.47980	1.48184	1.48380	1.48569	1.48752	1.48928	1.49098	1.49262	1.49420	1.49573	1.49721	1.49864	1.50003	1.50137	1.50267	1.50393	1.50515	1.50634	1.50749	
Pmc-EoP	0.15806	0.15803	0.15802	0.15804	0.15807	0.15812	0.15819	0.15826	0.15835	0.15845	0.15855	0.15866	0.15877	0.15889	0.15901	0.15913	0.15925	0.15938	0.15950	0.15963	0.15975	0.15988	0.16000	0.16012	0.16025	0.16037	0.16048	0.16060	0.16071	0.16083	0.16094	0.16105	0.16115	
Pmc-BoP	0.14208	0.14205	0.14204	0.14206	0.14209	0.14213	0.14219	0.14226	0.14234	0.14242	0.14252	0.14261	0.14272	0.14282	0.14293	0.14304	0.14315	0.14326	0.14337	0.14349	0.14360	0.14371	0.14382	0.14393	0.14404	0.14415	0.14426	0.14436	0.14446	0.14456	0.14466	0.14476	0.14486	
Year	1	2	3	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	33	34
1	0.18711	0.18633	0.18560	0.18491	0.18426	0.18364	0.18305	0.18249	0.18195	0.18144	0.18096	0.18049	0.18005	0.17962	0.17921	0.17882	0.17845	0.17809	0.17774	0.17741	0.17709	0.17678	0.17648	0.17619	0.17591	0.17564	0.17538	0.17513	0.17489	0.17465	0.17442	0.17420	0.17399	
2	0.18240	0.18176	0.18116	0.18059	0.18005	0.17953	0.17905	0.17858	0.17814	0.17772	0.17732	0.17694	0.17657	0.17622	0.17588	0.17556	0.17525	0.17495	0.17466	0.17439	0.17412	0.17387	0.17362	0.17338	0.17315	0.17293	0.17271	0.17251	0.17231	0.17211	0.17192	0.17174	0.17156	
3	0.17769	0.17719	0.17671	0.17626	0.17583	0.17543	0.17505	0.17468	0.17433	0.17400	0.17368	0.17338	0.17309	0.17281	0.17255	0.17229	0.17205	0.17181	0.17158	0.17137	0.17116	0.17096	0.17076	0.17057	0.17039	0.17022	0.17005	0.16988	0.16972	0.16957	0.16942	0.16928	0.16914	
4	0.17298	0.17262	0.17227	0.17194	0.17162	0.17133	0.17104	0.17078	0.17052	0.17028	0.17004	0.16982	0.16961	0.16941	0.16921	0.16902	0.16885	0.16867	0.16851	0.16839	0.16829	0.16819	0.16809	0.16799	0.16789	0.16779	0.16769	0.16759	0.16749	0.16739	0.16729	0.16719	0.16709	
5	0.16828	0.16804	0.16782	0.16761	0.16741	0.16722	0.16704	0.16687	0.16671	0.16656	0.16641	0.16627	0.16613	0.16600	0.16588	0.16576	0.16564	0.16553	0.16543	0.16533	0.16523	0.16514	0.16504	0.16496	0.16487	0.16479	0.16471	0.16464	0.16456	0.16449	0.16442	0.16435	0.16429	
6	0.16357	0.16347	0.16337	0.16328	0.16320	0.16312	0.16304	0.16297	0.16290	0.16283	0.16277	0.16271	0.16265	0.16260	0.16254	0.16249	0.16244	0.16240	0.16235	0.16231	0.16227	0.16223	0.16219	0.16215	0.16211	0.16208	0.16204	0.16201	0.16198	0.16195	0.16192	0.16189	0.16186	
7	0.15886	0.15890	0.15893	0.15896	0.15899	0.15901	0.15904	0.15907	0.15911	0.15913	0.15915	0.15917	0.15919	0.15921	0.15923	0.15924	0.15926	0.15927	0.15929	0.15930	0.15932	0.15933	0.15934	0.15935	0.15937	0.15938	0.15939	0.15940	0.15941	0.15942	0.15943	0.15944	0.15945	
8	0.15416	0.15432	0.15448	0.15463	0.15478	0.15491	0.15504	0.15516	0.15528	0.15539	0.15549	0.15560	0.15570	0.15581	0.15592	0.15602	0.15612	0.15622	0.15632	0.15642	0.15652	0.15662	0.15672	0.15682	0.15692	0.15702	0.15712	0.15722	0.15732	0.15742	0.15752	0.15762	0.15772	
9	0.14945	0.14975	0.15004	0.15031	0.15056	0.15081	0.15104	0.15126	0.15147	0.15167	0.15186	0.15204	0.15221	0.15238	0.15254	0.15269	0.15284	0.15298	0.15312	0.15325	0.15337	0.15350	0.15361	0.15373	0.15383	0.15394	0.15404	0.15414	0.15424	0.15434	0.15444	0.15454	0.15464	
10	0.14474	0.14518	0.14559	0.14598	0.14635	0.14670	0.14704	0.14735	0.14766	0.14794	0.14822	0.14848	0.14873	0.14897	0.14921	0.14943	0.14964	0.14984	0.15004	0.15023	0.15041	0.15059	0.15075	0.15092	0.15108	0.15123	0.15137	0.15152	0.15165	0.15179	0.15192	0.15204	0.15216	
11	0.14003	0.14061	0.14115	0.14166	0.14214	0.14260	0.14304	0.14345	0.14385	0.14424	0.14458	0.14493	0.14525	0.14557	0.14587	0.14616	0.14644	0.14671	0.14696	0.14721	0.14745	0.14768	0.14790	0.14811	0.14832	0.14851	0.14871	0.14889	0.14897	0.14925	0.14942	0.14958	0.14974	
12	0.13533	0.13603	0.13670	0.13733	0.13793	0.13850	0.13903	0.13955	0.14004	0.14050	0.14094	0.14137	0.14178	0.14216	0.14254	0.14289	0.14324	0.14357	0.14388	0.14419	0.14448	0.14477	0.14504	0.14530	0.14556	0.14580	0.14604	0.14627	0.14649	0.14671	0.14691	0.14712	0.14731	
13	0.13062	0.13146	0.13225	0.13301	0.13372	0.13439	0.13503	0.13564	0.13622	0.13678	0.13731	0.13781	0.13830	0.13876	0.13920	0.13963	0.14004	0.14043	0.14081	0.14117	0.14152	0.14186	0.14218	0.14249	0.14280	0.14309	0.14337	0.14365	0.14391	0.14417	0.14441	0.14465	0.14489	
14	0.12591	0.12689	0.12781	0.12868	0.12951	0.13029	0.13104	0.13174	0.13241	0.13306	0.13367	0.13426	0.13482	0.13535	0.13587	0.13636	0.13684	0.13729	0.13773	0.13815	0.13855	0.13895	0.13932	0.13969	0.14004	0.14038	0.14070	0.14102	0.14133	0.14163	0.14191	0.14219	0.14246	
15	0.12120	0.12231	0.12336	0.12435	0.12529	0.12618	0.12703	0.12784	0.12860	0.12933	0.13003	0.13070	0.13134	0.13195	0.13253	0.13310	0.13363	0.13415	0.13465	0.13513	0.13559	0.13604	0.13646	0.13688	0.13728	0.13766	0.13804	0.13840	0.13875	0.13909	0.13941	0.13973	0.14004	
16	0.11650	0.11774	0.11892	0.12003	0.12108	0.12208	0.12303	0.12393	0.12479	0.12561	0.12640	0.12714	0.12786	0.12854	0.12920	0.12983	0.13043	0.13101	0.13157	0.13211	0.13263	0.13313	0.13361	0.13407	0.13452	0.13495	0.13537	0.13577	0.13617	0.13654	0.13691	0.13727	0.13761	
17	0.11179	0.11317	0.11457	0.11570	0.11687	0.11798	0.11903	0.12003	0.12098	0.12189	0.12276	0.12359	0.12438	0.12514	0.12587	0.12656	0.12723	0.12788	0.12849	0.12909	0.12966	0.13022	0.13075	0.13126	0.13176	0.13224	0.13270	0.13315	0.13358	0.13400	0.13441	0.13481	0.13519	
18	0.10708	0.10860	0.11002	0.11138	0.11266	0.11387	0.11503	0.11613	0.11717	0.11817	0.11912	0.12003	0.12090	0.12173	0.12253	0.12330	0.12403	0.12474	0.12542	0.12607	0.12670	0.12731	0.12789	0.12845	0.12900	0.12953	0.13003	0.13053	0.13100	0.13146	0.13191	0.13234	0.13276	
19	0.10238	0.10402	0.10558	0.10705	0.10845	0.10977	0.11103	0.11222	0.11336	0.11445	0.11548	0.11647	0.11742	0.11833	0.11920	0.12003	0.12083	0.12160	0.12234	0.12305	0.12374	0.12440	0.12505	0.12569	0.12624	0.12681	0.12737	0.12790	0.12842	0.12892	0.12941	0.12988	0.13034	
20	0.09767	0.09945	0.10113	0.10273	0.10423	0.10567	0.10702	0.10832	0.10955	0.11072	0.11185	0.11292	0.11394	0.11492	0.11586	0.11676	0.11763	0.11846	0.11926	0.12003	0.12077	0.12149	0.12217	0.12284	0.12348	0.12410	0.12470	0.12528	0.12584	0.12638	0.12691	0.12742	0.12791	
21	0.09296	0.09488	0.09669	0.09840	0.09992	0.10136	0.10274	0.10406	0.10534	0.10657	0.10776	0.10891	0.11006																					

Depreciated life	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
CCFAct	0.15311	0.15320	0.15330	0.15339	0.15349	0.15358	0.15366	0.15375	0.15384	0.15392	0.15400	0.15408	0.15416	0.15423	0.15431
DeprecFact	0.01493	0.01471	0.01449	0.01429	0.01408	0.01389	0.01370	0.01351	0.01333	0.01316	0.01299	0.01282	0.01266	0.01250	0.01235
RORFact	0.09713	0.09735	0.09757	0.09778	0.09798	0.09818	0.09838	0.09857	0.09876	0.09894	0.09912	0.09929	0.09946	0.09962	0.09978
TaxGUFact	0.04106	0.04115	0.04124	0.04133	0.04142	0.04150	0.04159	0.04167	0.04174	0.04182	0.04190	0.04197	0.04204	0.04211	0.04218
COE															
COD															
NPV-EoP	1.35606	1.35703	1.35798	1.35890	1.35979	1.36066	1.36151	1.36234	1.36314	1.36392	1.36468	1.36542	1.36615	1.36685	1.36754
NPV-BuP	1.50861	1.50969	1.51075	1.51177	1.51277	1.51373	1.51468	1.51559	1.51649	1.51736	1.51820	1.51903	1.51983	1.52062	1.52138
Pmc-EoP	0.16126	0.16136	0.16146	0.16156	0.16166	0.16175	0.16185	0.16194	0.16203	0.16212	0.16220	0.16228	0.16237	0.16245	0.16253
Pmc-BuP	0.14495	0.14505	0.14514	0.14523	0.14531	0.14540	0.14548	0.14556	0.14564	0.14572	0.14580	0.14587	0.14595	0.14602	0.14609
Year															
1	0.17378	0.17358	0.17338	0.17319	0.17301	0.17283	0.17265	0.17248	0.17231	0.17215	0.17200	0.17184	0.17169	0.17155	0.17141
2	0.17139	0.17122	0.17106	0.17090	0.17075	0.17060	0.17046	0.17032	0.17018	0.17005	0.16992	0.16979	0.16967	0.16955	0.16943
3	0.16900	0.16887	0.16874	0.16862	0.16850	0.16838	0.16827	0.16816	0.16805	0.16794	0.16784	0.16774	0.16764	0.16755	0.16745
4	0.16661	0.16652	0.16642	0.16633	0.16624	0.16616	0.16607	0.16599	0.16591	0.16584	0.16576	0.16569	0.16562	0.16555	0.16548
5	0.16422	0.16416	0.16410	0.16405	0.16399	0.16393	0.16388	0.16383	0.16378	0.16373	0.16368	0.16364	0.16359	0.16355	0.16350
6	0.16184	0.16181	0.16178	0.16176	0.16173	0.16171	0.16169	0.16167	0.16165	0.16162	0.16160	0.16158	0.16156	0.16155	0.16153
7	0.15945	0.15946	0.15946	0.15947	0.15948	0.15949	0.15949	0.15950	0.15951	0.15952	0.15953	0.15954	0.15954	0.15955	0.15955
8	0.15706	0.15710	0.15714	0.15719	0.15723	0.15727	0.15730	0.15734	0.15738	0.15741	0.15745	0.15748	0.15751	0.15754	0.15757
9	0.15467	0.15475	0.15483	0.15490	0.15497	0.15504	0.15511	0.15518	0.15524	0.15531	0.15537	0.15543	0.15549	0.15554	0.15560
10	0.15228	0.15239	0.15251	0.15261	0.15272	0.15282	0.15292	0.15302	0.15311	0.15320	0.15329	0.15338	0.15346	0.15354	0.15362
11	0.14989	0.15004	0.15019	0.15033	0.15046	0.15060	0.15073	0.15085	0.15098	0.15109	0.15121	0.15132	0.15143	0.15154	0.15165
12	0.14750	0.14769	0.14787	0.14804	0.14821	0.14837	0.14853	0.14869	0.14884	0.14899	0.14913	0.14927	0.14941	0.14954	0.14967
13	0.14511	0.14533	0.14555	0.14575	0.14596	0.14615	0.14634	0.14653	0.14671	0.14688	0.14705	0.14722	0.14738	0.14754	0.14770
14	0.14273	0.14298	0.14323	0.14347	0.14370	0.14393	0.14415	0.14436	0.14457	0.14478	0.14498	0.14517	0.14536	0.14554	0.14572
15	0.14034	0.14063	0.14091	0.14118	0.14145	0.14171	0.14196	0.14220	0.14244	0.14267	0.14290	0.14312	0.14333	0.14354	0.14374
16	0.13795	0.13827	0.13859	0.13889	0.13919	0.13948	0.13976	0.14004	0.14031	0.14056	0.14082	0.14106	0.14130	0.14154	0.14177
17	0.13556	0.13592	0.13627	0.13661	0.13694	0.13726	0.13757	0.13788	0.13817	0.13846	0.13874	0.13901	0.13928	0.13954	0.13979
18	0.13317	0.13357	0.13395	0.13432	0.13468	0.13504	0.13538	0.13571	0.13604	0.13635	0.13666	0.13696	0.13725	0.13754	0.13782
19	0.13078	0.13121	0.13163	0.13204	0.13243	0.13281	0.13319	0.13355	0.13390	0.13425	0.13458	0.13491	0.13523	0.13554	0.13584
20	0.12839	0.12886	0.12931	0.12975	0.13018	0.13059	0.13099	0.13139	0.13177	0.13214	0.13250	0.13286	0.13320	0.13354	0.13386
21	0.12600	0.12660	0.12699	0.12746	0.12792	0.12837	0.12880	0.12922	0.12964	0.13004	0.13043	0.13081	0.13118	0.13154	0.13189
22	0.12362	0.12415	0.12467	0.12518	0.12567	0.12615	0.12661	0.12706	0.12750	0.12793	0.12835	0.12875	0.12915	0.12954	0.12991
23	0.12123	0.12180	0.12235	0.12289	0.12341	0.12392	0.12442	0.12490	0.12537	0.12582	0.12627	0.12670	0.12712	0.12753	0.12794
24	0.11884	0.11944	0.12003	0.12060	0.12116	0.12170	0.12222	0.12274	0.12323	0.12372	0.12419	0.12465	0.12510	0.12553	0.12596
25	0.11645	0.11709	0.11771	0.11832	0.11891	0.11948	0.12003	0.12057	0.12110	0.12161	0.12211	0.12260	0.12307	0.12353	0.12398
26	0.11406	0.11474	0.11539	0.11603	0.11665	0.11725	0.11784	0.11841	0.11897	0.11953	0.12008	0.12061	0.12113	0.12163	0.12201
27	0.11167	0.11238	0.11307	0.11374	0.11440	0.11503	0.11565	0.11625	0.11683	0.11740	0.11795	0.11849	0.11902	0.11953	0.12003
28	0.10928	0.11003	0.11075	0.11146	0.11214	0.11281	0.11345	0.11408	0.11470	0.11529	0.11588	0.11644	0.11699	0.11753	0.11806
29	0.10689	0.10768	0.10843	0.10917	0.10989	0.11058	0.11126	0.11192	0.11256	0.11319	0.11380	0.11439	0.11497	0.11553	0.11608
30	0.10450	0.10532	0.10611	0.10689	0.10767	0.10836	0.10907	0.10976	0.11043	0.11108	0.11172	0.11234	0.11294	0.11353	0.11410
31	0.10212	0.10297	0.10380	0.10460	0.10538	0.10614	0.10688	0.10760	0.10830	0.10898	0.10964	0.11029	0.11092	0.11153	0.11213
32	0.09973	0.10061	0.10148	0.10231	0.10313	0.10392	0.10469	0.10543	0.10616	0.10687	0.10756	0.10823	0.10889	0.10953	0.11015
33	0.09734	0.09826	0.09916	0.10003	0.10087	0.10169	0.10249	0.10327	0.10403	0.10476	0.10548	0.10618	0.10686	0.10753	0.10818
34	0.09495	0.09591	0.09684	0.09774	0.09862	0.09947	0.10030	0.10111	0.10189	0.10266	0.10340	0.10413	0.10484	0.10553	0.10620
35	0.09256	0.09355	0.09452	0.09545	0.09636	0.09725	0.09811	0.09894	0.09973	0.10055	0.10133	0.10208	0.10281	0.10353	0.10423
36	0.09017	0.09120	0.09220	0.09317	0.09411	0.09502	0.09592	0.09678	0.09763	0.09845	0.09925	0.10003	0.10079	0.10153	0.10225
37	0.08778	0.08885	0.08988	0.09088	0.09185	0.09280	0.09372	0.09462	0.09549	0.09634	0.09717	0.09797	0.09876	0.09953	0.10027
38	0.08539	0.08649	0.08756	0.08859	0.08960	0.09058	0.09153	0.09246	0.09336	0.09424	0.09509	0.09592	0.09673	0.09753	0.09830
39	0.08301	0.08414	0.08524	0.08631	0.08735	0.08836	0.08934	0.09029	0.09122	0.09213	0.09301	0.09387	0.09471	0.09552	0.09632
40	0.08062	0.08179	0.08292	0.08402	0.08509	0.08613	0.08715	0.08813	0.08909	0.09002	0.09093	0.09182	0.09269	0.09352	0.09435
41	0.07823	0.07943	0.08060	0.08173	0.08284	0.08391	0.08495	0.08597	0.08696	0.08792	0.08885	0.08977	0.09066	0.09152	0.09237
42	0.07584	0.07708	0.07828	0.07945	0.08058	0.08169	0.08276	0.08381	0.08482	0.08581	0.08678	0.08772	0.08863	0.08952	0.09039
43	0.07345	0.07472	0.07596	0.07716	0.07833	0.07946	0.08057	0.08164	0.08269	0.08371	0.08470	0.08566	0.08660	0.08752	0.08842
44	0.07106	0.07237	0.07364	0.07488	0.07608	0.07724	0.07838	0.07948	0.08055	0.08160	0.08262	0.08361	0.08458	0.08552	0.08644
45	0.06867	0.07002	0.07132	0.07259	0.07382	0.07502	0.07618	0.07732	0.07842	0.07949	0.08054	0.08156	0.08255	0.08352	0.08447
46	0.06628	0.06766	0.06900	0.07030	0.07157	0.07280	0.07399	0.07515	0.07629	0.07739	0.07846	0.07951	0.08053	0.08152	0.08249
47	0.06390	0.06531	0.06668	0.06802	0.06931	0.07057	0.07180	0.07299	0.07415	0.07528	0.07638	0.07746	0.07850	0.07952	0.08051
48	0.06151	0.06296	0.06436	0.06573	0.06706	0.06835	0.06961	0.07085	0.07202	0.07318	0.07430	0.07540	0.07648	0.07752	0.07854
49	0.05912	0.06060	0.06204	0.06344	0.06480	0.06613	0.06741	0.06867	0.06988	0.07107	0.07223	0.07335	0.07445	0.07552	0.07656
50	0.05673	0.05825	0.05972	0.06116	0.06255	0.06390	0.06522	0.06650	0.06775	0.06896	0.07015	0.07130	0.07242	0.07352	0.07459
51	0.05434	0.05589	0.05740	0.05887	0.06030	0.06168	0.06303	0.06434	0.06562	0.06686	0.06807	0.06925	0.07040	0.07152	0.07261
52	0.05195	0.05354	0.05508	0.05658	0.05804	0.05946	0.06084	0.06218	0.06348	0.06475	0.06599	0.06720	0.06837	0.06952	0.07063
53	0.04956	0.05119	0.05277	0.05430	0.05579	0.05724	0.05864	0.06001	0.06135	0.06265	0.06391	0.06514	0.06635	0.06752	0.06866
54	0.04717	0.04883	0.05045	0.05201	0.05353	0.05501	0.05645	0.05785	0.05921	0.06054	0.06183	0.06309	0.06432	0.06552	0.06668
55	0.04479	0.04648	0.04813	0.04973	0.05128	0.05279	0.05426	0.05569							

EXPENSE MODULE INPUTS

	User Inputs	Calculations
State	Missouri	
Company	Cass County Tel Co	
Cost of Capital Inputs		
Cost of Debt	8.80%	
Debt fraction	44.20%	
Cost of Equity	13.19%	
Equity fraction		55.80%
Weighted equity fraction		65.42%
Overall Cost of Capital		11.25%
Traffic Inputs		
local DEMs, thousands	77,763	
intrastate DEMs, thousands	16,603	
interstate DEMs, thousands	16,393	110,759 total DEMs, thousands
Local call completion fraction	70.00%	
Total local calls attempted	17,620	12,334 Total local calls completed
Total intraLATA calls completed	1,054	
Total interLATA calls completed - intrastate	1,061	
Total interLATA calls completed - interstate	2,257	
local DEM fraction	68.21%	
local interoffice traffic fraction	12.04%	
D link investment, per link	\$ -	
Bus/Res DEMs ratio (local, state, interstate)	110%	200% 300%
entrance facility investment per line	-	
local direct-routed fraction	98.00%	
tandem-routed intraLATA fraction	100.00%	
tandem-routed access fraction	100.00%	
maximum trunk usage, CCS	27.5	
ISUP msgs per i/o call attempt	6	
avg ISUP msg length, octets	25	
TCAP msgs per transaction	2	
TCAP msg length, octets	100	
fraction of calls requiring TCAP	10.00%	
trunk port investment, per port	\$ 100	
Switch line circuit offset per DLC line	\$ -	
Total signaling links	12	
Average trunk utilization	30.00%	
Cost Parameters		
tax rate	39.25%	
corporate overhead factor	10.40%	
other taxes factor	5.00%	
billing/bill inquiry per line per month	\$ 2.30	
directory listing per line per month	\$ -	
forward-looking network operations factor	100.00%	
alternative CO switching factor	4.75%	
alternative circuit equipment factor	1.53%	
EO non-port fraction	70.00%	
per-line monthly LNP cost	\$ 0.25	
Carrier-carrier customer service, per line per year	\$ 1.69	
NID expense per line per year	\$ 1.00	
DS-0/DS-1 terminal factor	12.4	
DS-1/DS-3 terminal factor	9.9	
Average lines per business location	4.00	

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Account	USOA Category	Economic Lives	Net Salvage Percent	Adjusted Projection Lives (years)	Investment
2112	Motor Vehicles	9.28	0.1121	10.45	
2115	Garage Work Equipment	11.04	-0.1071	9.97	
2116	Other Work Equipment	13.47	0.0321	13.92	
2121	Buildings	47.82	0.0187	48.73	
2122	Furniture	17.1	0.0688	18.36	
2123.1	Office Support Equipmen	11.58	0.0691	12.44	
2123.2	Company Comm Equipm	7.69	0.0376	7.99	
2124	Computers	6.36	0.0373	6.61	
2212	Digital Switching	16.66	0.0297	17.17	
2220	Operator Systems	9.33	-0.0082	9.25	
2232.2	Digital Circuit Equipment	10.07	-0.0169	9.90	
2351	Public Telephone	8.26	0.0797	8.98	
	NID, SAI			18.06	Calculated
2411	Poles	15.92	-0.8998	8.38	
2421-m	Aerial Cable - Metallic	16.75	-0.2303	13.61	\$ 254,097
2421-nm	Aerial Cable - Non-Metall	22.24	-0.1753	18.92	\$ 160,621
2422-m	Underground - Metallic	21.14	-0.1826	17.88	\$ -
2422-nm	Underground - Non-Meta	23.08	-0.1458	20.14	\$ -
2423-m	Buried - Metallic	19.9	-0.0839	18.36	\$ 5,020,949
2423-nm	Buried - Non-Metallic	23.86	-0.0858	21.97	\$ 4,347,738
2426-m	Intrabuilding - Metallic	15.71	-0.1674	13.57	
2426-nm	Intrabuilding - Non-Metall	23.62	-0.1052	21.37	
2441	Conduit Systems	50.92	-0.1034	46.15	
Average Metallic Cable (calculated)				18.06	\$ 5,275,046
Average Non-Metallic Cable (calculated)				21.85	\$ 4,508,360

Structure fraction assigned to telephone

density range	dist aerial	dist buried	dist underground	fdr aerial	fdr underground	fdr buried
0-5	100%	100%	100%	100%	100%	100%
5-100	100%	100%	100%	100%	100%	100%
100-200	100%	100%	100%	100%	100%	100%
200-650	50%	100%	100%	50%	100%	100%
650-850	50%	100%	100%	50%	100%	100%
850-2550	50%	100%	100%	50%	100%	100%
2550-5000	50%	100%	100%	50%	100%	100%
5000-10000	50%	100%	100%	50%	100%	100%
>10000	50%	100%	100%	50%	100%	100%

Usage Calculations

Intrastate Toll DEMs	16,603,000	
Interstate Toll DEMs	16,393,000	
trunk port usage	190,702,219	
trk-min/mo	10,044	
interLATA ded. trunks	274	
Common Transport MOU		
Local	181,848	w/o OS usage
Intrastate Toll	16,603,000	
Interstate Toll	16,393,000	
	33,177,848	
Intrastate IntraLATA Calls	1,054	49.83% SOCCC message counts
Intrastate InterLATA Calls	1,061	50.17%
	2,115	

Calculation of EO Usage

Local DEMs, incl OS	77,763,000	70.2% of total DEMs
Intraoffice Local DEMs	68,403,976	
Intraoffice Local Actual Min	34,201,988	
Interoffice Local Actual Min	9,359,024	per end
Intrastate Toll Actual Min	16,603,000	
Interstate Toll Actual Min	<u>16,393,000</u>	
	76,557,012	
Tandem Switch MOU		
Local	90,924	Dedicated Trunk-SW
IntraLATA Toll	4,137,012	311
InterLATA Toll	<u>24,721,975</u>	
	28,949,912	

TRANSFORMED REGULATED		1995 COMPANY NAME:	ICO	
		OTHER TAXES & UNCOLLECTIBLES CALCULATION	EXPENSES	NET REVENUES
		7230 OPERATING STATE & LOCAL INCOME TAX-NET	43	
		7240 OPERATING OTHER TAXES	182	
		5300 UNCOLLECTIBLE REVENUES		69
		530 NET REVENUES		4,357
		GROSS REVENUES (5300 + 530)		4,425
		UNCLL GROSS REV		0.015532
		(5300-4040(p.r)) / (5081+5; UNCLL RETAIL RATE		2.27%
		(4040(p)) / (5082-.5084) UNCLL WHOLESALE RATE		0.43%
EXP	INV	PLANT SPECIFIC OPERATIONS EXPENSES	A. EXPENSES	B. INVESTMENTS
		TPIS GENERAL SUPPORT		C. EXP/INV (A/B)
	2111	2111 LAND		59
	2121	2121 BUILDINGS		865
6121		TOTAL LAND & BUILDINGS	95	924
				0.103180
6112	2112	2112 MOTOR VEHICLES	5	150
6113	2113	2113 AIRCRAFT	2	7
6114	2114	2114 SPECIAL PURPOSE VEHICLES	0	0
6115	2115	2115 GARAGE WORK EQUIPMENT	0	4
6116	2116	2116 OTHER WORK EQUIPMENT	1	117
6122	2122	2122 FURNITURE	7	57
6123	2123	2123 OFFICE EQUIPMENT	15	145
6124	2124	2124 GENERAL PRUPOSE COMPUTERS	143	224
6120	2110	2110 TOTAL LAND & SUPPORT ASSETS	260	1,627
				0.15965268
		TPIS - CENTRAL OFFICE SWITCHING		
		-		
6211	2211	2211 ANALOG ELECT SWITCH	4	95
6212	2212	2212 DIGITAL ELECTRONIC SWITCHING	162	2,846
6220	2220	2220 OPERATOR SYSTEMS	3	43
6210	2210	22102221022102210 CENTRAL OFFICE SWITCH	170	2,985
		TPIS - CENTRAL OFFICE TRANSMISSION		
		-		
6232	2232	2232 CIRCUIT EQUIPMENT	32	1,961
6230	2230	2230 TRANSMISSION	34	2,050
				0.016263483
		TPIS - INFORMATION ORIG/TERM		
		-		
6311	2311	2311 STATION APPARATUS	1	1
	2321	2321 CUSTOMER PREMISES WIRING	0	0
6341	2341	2341 LARGE PRIVATE BRANCH EXCHANGE	0	0
6351	2351	2351 PUBLIC TEL TERMINAL EQUIPMENT	12	62
6362	2362	2362 OTHER TERMINAL EQUIPMENT	19	107
6310	2310	2310 TOTAL INFORMATION ORIG/TERM	31	170
				0.182377792
		TPIS - CABLE & WIRE FACILITIES		
		-		
6411	2411	2411 POLES	14	338
6421	2421	2421 AERIAL CABLE	100	1,593
6422	2422	2422 UNDERGROUND CABLE	20	1,815
6423	2423	2423 BURIED CABLE	110	2,819
6441	2441	2441 CONDUIT SYSTEMS	2	575
6410	2410	2410 TOTAL CABLE & WIRE FACILITIES	249	6,408
				0.038842
	240	240 TOTAL TPIS(BEFORE AMORTIZABLE ASSETS) (2110+2210+2220+2230+2310+2410)	495	13,339
				0.037062996
		PLANT NON-SPECIFIC OPERATIONS EXPENSES	A. EXPENSES	B. TPIS INVESTMENT
		=	=	C. EXP/INV (A/B)
6512	240	6512 PROVISIONING EXPENSES	4	13,339
				0.000300
6531	240	6531 POWER EXPENSES	22	13,339
6532	240	6532 NETWORK ADMINISTRATION	55	13,339
6533	240	6533 TESTING	57	13,339
6534	240	6534 PLANT OPERATIONS ADMINISTRATION	85	13,339
6535	240	6535 ENGINEERING	45	13,339
6540	240	6540 ACCESS EXPENSE	74	13,339
6530	240	6530 TOTAL NETWORK OPERATIONS EXPENSES	263	13,339
6561	240	6561656165616561 DEPRECIATION - TPIS	929 929 929 929 929	13,339 13,339 13,339 13,339
		NETWORK SUPPORT FACTOR CALCULATION	A. EXPENSES	B. CABLE & WIRE INV
		=	=	C. EXP/INV (A/B)
6112		2112 MOTOR VEHICLES	5	
6113		2113 AIRCRAFT	2	
6114		2114 SPECIAL PURPOSE VEHICLES	0	
6115		2115 GARAGE WORK EQUIPMENT	0	
6116		2116 OTHER WORK EQUIPMENT	1	
	2410	TOTAL NETWORK SUPPORT (EXCL 2113)	7	6,408
				0.001041087
		CUSTOMER OPERATIONS EXPENSES	A. EXPENSES	B. NET REVENUES
		=	=	C. EXP/NET REV (A/B)
6611		6611 PRODUCT MANAGEMENT	38	CALC
6612		6612 SALES	70	CALC
6613		6613 PRODUCT ADVERTISING	25	CALC
6610		6610 TOTAL MARKETING EXPENSES	133	CALC
6621		6621 CALL COMPLETION SERVICE	30	CALC
6622		6622 NUMBER SERVICES	73	CALC
6623		6623 CUSTOMER SERVICES	239	CALC

6620	6620 TOTAL SERVICES EXPENSES	342	CALC
-	700 TOTAL CUSTOMER OPERATIONS EXPENSE (6610 + 6620)	475	CALC
	CORPORATE OPERATIONS EXPENSES	A. EXPENSES	B. REVENUES
			C. EXP/REV (A/B)
6711	6711 EXECUTIVE	18	CALC
6712	6712 PLANNING	9	CALC
6710	6710 TOTAL EXECUTIVE & PLANNING	27	CALC
6721	6721 ACCOUNTING & FINANCE	54	CALC
6722	6722 EXTERNAL RELATIONS	33	CALC
6723	6723 HUMAN RESOURCES	39	CALC
6724	6724 INFORMATION MANAGEMENT	149	CALC
6725	6725 LEGAL	13	CALC
6726	6726 PROCUREMENT	7	CALC
6727	6727 RESEARCH & DEVELOPMENT	9	CALC
6728	6728 OTHER GENERAL & ADMINISTRATIVE	127	CALC
6720	6720 TOTAL GENERAL & ADMINISTRATIVE	430	CALC
	710 TOTAL CORPORATE OPERATIONS EXPENSE (6710 + 6720 + 6790)	565	CALC
	720 TOTAL OPERATING EXPENSES		CALC
	DEM - LOCAL	77,763	
	DEM - INTRASTATE	16,684	
	DEM - INTERSTATE	16,393	
	MESSAGES - INTRALATA	1,055	
	MESSAGES - INTERLATA - interstate	2,257	
	MESSAGES - INTERLATA - intrastate	1061.635377	
4308 (EC)	LOCAL CALL ATTEMPTS	17,620	
	LINES - BUSINESS	1,711	
	RESIDENTIAL	4,637	
	PUBLIC	54	
	SPECIAL	424	
	TOTAL	6,835	
	5081 END USER		290
	5082 SWITCHED ACCESS		649
	5083 SPECIAL ACCESS		119
	TOTAL INTER ACCESS		1,059
	5084 END USER		
	5084 SWITCHED ACCESS		
	5084 SPECIAL ACCESS		
	STATE ACCESS		545
	TOTAL ACCESS REVENUES		1,604
	LD MESSAGE REVENUE		
	5100 INTERSTATE MESSAGE		
	5100 INTRASTATE MESSAGE		
	5100 INTERSTATE CALLING PLAN		
	5100 INTRASTATE CALLING PLAN		
	LD MSG REV (CLASS A)		459
	UNIDIRECTIONAL LD		
	5110 INTERSTATE		
	INTRASTATE		
	TOTAL		17
	5120 LD PRIVATE NETWORK		38
	OTHER LD		
	5160 INTERSTATE		
	INTRASTATE		
	TOTAL		6
	TOTAL LD NETWORK REVENUE		
	INTERSTATE		
	INTRASTATE		
	TOTAL		520
	BASIC LOCAL SERVICE		
	5001 BASIC AREA		1,412
	5002 OPTIONAL EXTEND AREA		43
	5003 CELLAR MOBIL		33
	5004 OTHER MOBIL SVC		3
	TOTAL BASIC SVC		1,491
	PUBLIC TELEPHONE REVENUE		
	5010 LOCAL PUBLIC MSG		
	UNIVERSAL		
	PB EXCHANGE IX CARRIER		
	CC COINLESS		
	PUBLIC EXH		

	SEMI-PUBLIC OTHER PUBLIC PHONE REV TOTAL PUBLIC PHONE REVENUE				41	
	5040 LOCAL PRIVATE LINE				49	
	CUSTOMER PREMISE 5050 STATION APP CUSTOMER PREMISE WIRING TOTAL CUSTOMER PREMISES				4	
	OTHER LOCAL EXCHANGE 5060 CO FEATURES INFO TRANSPORT DIRECTORY ASSIST INTERCEPT SRVC OTHER LOC EXCH TOTAL OTHER				347	
	TOTAL LOCAL NETWORK SRVC REVENUE INTERSTATE INTRASTATE				1932.439435	
	TOTAL REVENUE				4056.458823	
	CAPITAL STRUCTURE PARAMETERS					
	DEBT/EQUITY RATIO	DEBT/EQUITY RATIO	DEBT/EQUITY RATIO	DEBT/EQUITY RATIO	DEBT/EQUITY RATIO	DEBT/EQUITY RATIO
	COST OF DEBT					
	COST OF EQUITY					
		BALANCE SHEET	ACCRUEL		DEPR LIFE	
		43-02, B-1	43-02, B-5		(ASSUMING	
		AVG=(ab+af)/2	(col 2C)		STRAIGHT LIFE)	
		A	B		C = (A/C)	
		-	-		-	
	ECONOMIC LIFE					
(2422,21,22,23,41)	FEEDER					
(2422,21,22,23,41)	DISTRIBUTION					
	2121 BUILDINGS					
	2232 DLC ELECTRONIC EQUIPMENT					
	2212 EO SWITCHING					
	2212 TANDEM SWITCHING					
	2220 OS POSITIONS					
	2220 OS TANDEM					
	2232 TRANSMISSION SYSTEMS					
	2351 PUBLIC TELEPHONE EQUIPMENT					
2122,2124	FURNITURE + GP COMPUTERS					
DATA SOURCEDATA SOURCEDATA SOURCEDATA SOURCEDATA SOURCEDATA SOURCESum checksum checksum checksum checksum checksum checksum checksum check						
ARMIS 4303	Jan 1996 to Dec 1996			28215	495	
ARMIS 4304	GEORGIA			9007 (EJ)	9010	
ARMIS 4308		0 (EJ)		0 (EJ)		
DEM						
=	=	=	=	=	=	
UNCOLL RATE:	BA Lrd Svc	4303.Ln 520				1932.486486
	LD Ntwk Svs Rev	4303.Ln 525				524.0286443
	End User	4303.Ln 5081				289.990039
	Sw Acc	4303.Ln 5082				649.2615945
	Spcl Acc	4303.Ln 5083				119.4804508
	St Acc	4303.Ln 5084				545.3685615
	Uncoll Rev	4303.Ln 5300				68.73119905
	Tot Acc	4304.Ln4040 (P)				5.697093909
	B&C	4304.Ln4040 (Q)				0.559551713
	IX	4304.Ln4040 (R)				0.02022741
	Ln4040 (P+Q+R)	Calc (P+Q+R)				6.276873032
Uncoll -Acc	5300-(4040p..r)	1a				62.45432602
End User+ Rievs	5081+520+525	1b				2746.935169
Uncoll Retail Rate		1c=(a/b)				0.022739563
Uncoll Wholesale rate	4040p/(5082..5084)	2a				0.004335323

Actuals for 1996 (\$000s)

Plant-Specific Operations Expenses		Investments	Expenses	Calculated Factor	
TPIS - General Support					
2111 Land	\$	59	\$	-	-
2112 Motor Vehicles	\$	150	\$	5	0.0348
2113 Aircraft	\$	7	\$	2	0.3125
2114 Special Purpose Vehicles	\$	0	\$	0	0.0142
2115 Garage Work Equipment	\$	4	\$	0	0.0353
2116 Other Work Equipment	\$	117	\$	1	0.0113
2121 Buildings	\$	865	\$	95	0.1103
2122 Furniture	\$	57	\$	7	0.1224
2123 Office Equipment	\$	145	\$	15	0.1015
2124 General Purpose Computers	\$	224	\$	143	0.6381
2110 Total Land & Support Assets	\$	1,627	\$	269	0.1650
TPIS - Central Office Switching					
2211 Analog Electronic Switching	\$	95	\$	4	0.0453
2212 Digital Electronic Switching	\$	2,846	\$	162	0.0569
4.75% NET CO Switch Factor					
2210 Total Central Office Switching	\$	2,941	\$	166	0.0565
2220 Operator Systems	\$	43	\$	3	0.0675
TPIS - Central Office Transmission					
2231 Satellite & Earth Station Facilities					
2231 Other Radio Facilities					
2231 Radio Systems					
2232 Circuit Equipment	\$	1,961	\$	32	0.0163
2230 Total Central Office Transmission	\$	1,961	\$	32	0.0163
1.53% alternative factor					
TPIS - Information Orig/Term					
2311 Station Apparatus	\$	1	\$	1	0.3824
2321 Customer Premises Wiring	\$	-	\$	-	0.0000
2341 Large Private Branch Exchange	\$	0	\$	0	4.5000
2351 Public Telephone Terminal Equipment	\$	62	\$	12	0.1881
2362 Other Terminal Equipment	\$	107	\$	19	0.1763
2310 Total Information Orig/Term	\$	170	\$	31	0.1824
TPIS - Cable & Wire Facilities					
2411 Poles	\$	338	\$	14	0.0413
2421 Aerial Cable	\$	1,593	\$	100	0.0629
2422 Underground Cable	\$	1,015	\$	20	0.0196
2423 Buried Cable	\$	2,819	\$	110	0.0389
2424 Submarine Cable					
2425 Deep Sea Cable					
2426 Intrabuilding Network Cable					
2431 Aerial Wire					
2441 Conduit Systems	\$	575	\$	2	0.0037
2410 Total Cable & Wire Facilities	\$	6,341	\$	246	0.0388
240 Total TPIS (before amortizable assets)	\$	11,455	\$	746	0.0652
Plant Non-Specific Operations Expenses					
	Expenses		Investment		Factor
6512 Provisioning Expenses	\$	4	\$	11,455	0.0003
6531 Power Expenses	\$	22	\$	11,455	0.0019
6532 Network Administration	\$	55	\$	11,455	0.0048
6533 Testing	\$	57	\$	11,455	0.0050
6534 Plant Operations Administration	\$	85	\$	11,455	0.0074
6535 Engineering	\$	45	\$	11,455	0.0039
6540 Access Expense					
6530 Total Network Operations Expenses (includes provisioning)	\$	267	\$	11,455	0.0233
per line network operations					
total lines (from net. invest. inputs)					
annual net ops per line					
(=total ARMIS 6530/total lines)					
6,835					
\$ 39.11					
Network Support Factor Calculation					
	Expenses		Cable & Wire Inv		Factor
6112 Motor Vehicles	\$	5			
6113 Aircraft	\$	2			
6114 Special Purpose Vehicles	\$	0			
6115 Garage Work Equipment	\$	0			
6116 Other Work Equipment	\$	1			
Aircraft & Special Purpose Vehicles	\$	7	\$	6,341	0.0011

Customer Operations Expenses

	Expenses		Net Revenues		Factor		
6611 Product Management *	\$	38	\$	0.4638	\$	2,286	0.0166
6612 Sales *	\$	70	\$	0.8522	\$	2,286	0.0306
6613 Product Advertising	\$	25			\$	2,286	0.0110
6610 Total Marketing Expenses	\$	133					0.0582
6621 Call Completion Service	\$	30			\$	2,286	0.0131
6622 Number Services	\$	73	\$	0.8863	\$	2,286	0.0318
6623 Customer Services	\$	239	\$	2.9168	\$	2,286	0.1046
6620 Total Services Expenses	\$	342	\$	4.23			0.1495
Billing/bill inquiry (per line/month)	\$	2.30					
Directory listing (per line/month)		-					
700 Total Customer Operations Expenses	\$	475.03			\$	2,286	0.2078
							0.2442

Corporate Operations Expenses

Corporate Operations Expense		Expenses	Revenues	Factor		
6711 Executive	\$	18	\$	2,286	0.0079	
6712 Planning	\$	9	\$	2,286	0.0039	
6710 Total Executive & Planning	\$	27	\$	2,286	0.0117	
6721 Accounting & Finance	\$	54	\$	2,286	0.0237	
6722 External Relations	\$	33	\$	2,286	0.0144	
6723 Human Resources	\$	39	\$	2,286	0.0171	
6724 Information Management	\$	149	\$	2,286	0.0653	
6725 Legal	\$	13	\$	2,286	0.0055	
6726 Procurement	\$	7	\$	2,286	0.0030	
6727 Research & Development	\$	9	\$	2,286	0.0038	
6728 Other General & Administrative	\$	127	\$	2,286	0.0554	
6720 Total General & Administrative	\$	430	\$	2,286	0.1880	
710 Total Corporate Operations Expense	\$	457	\$	2,286	0.1040	0.2347
720 Total Operating Expenses	\$	1,945				47.89% Total Operations General Support Allocator
note: does not include dep/amort						45.55% "Office Worker" General Support Allocator

Misc Expenses Calculation	2122 Furniture	2123 Office Equipment	2124 GP Computer	2112 Motor Vehicles	2121 Buildings	2115 Garage Work Equipment	2116 Other Work Equipment
Investment	\$ 57	\$ 145	\$ 224	\$ 150	\$ 432	\$ 4	\$ 117
Investment/TPIS	0.005	0.013	0.020	0.013	0.038	0.000	0.010
Expense	\$ 7	\$ 15	\$ 143	\$ 5	\$ 48	\$ 0	\$ 1
Expense Factor	0.122	0.101	0.638	0.035	0.110	0.035	0.011
Model TPIS	\$ 22,032	\$ 22,032	\$ 22,032	\$ 22,032	\$ 22,032	\$ 22,032	\$ 22,032
Calculated Investment	\$ 109	\$ 280	\$ 430	\$ 288	\$ 831	\$ 8	\$ 224
Calculated Expense	\$ 13	\$ 28	\$ 274	\$ 10	\$ 92	\$ 0	\$ 3
Subtotal (\$s)	\$ 185,849						
Total Misc Expense	\$ 185,849						

Other Taxes & Uncollectibles Calculation

	Expenses		Net Revenues		Factor
7230 Operating State & Local Income Tax	\$	43	\$	(221)	
7240 Operating Other Taxes	\$	182	\$	(221)	0.0500
5300 Uncollectible Revenues	\$	69	\$	2,286	0.0301
retail					0.0227
wholesale					0.0043
Ratio of Net Plant to TPIS					
TPIS	\$	11,455			
Net Plant	\$	11,455			
Ratio	\$	1			
Model Investment	\$	-			
Model % of Net Plant	\$	-			
Model % of TPIS		0%			

Actual 1996 Revenue

		% of total
Interstate Access		
5081 End User	\$ 290	8.26%
5082 Switched Access	\$ 649	18.49%
5083 Special Access	\$ 119	3.40%
Total Inter Access	\$ 1,059	30.15%
State Access Revenue		
5084 End User	\$ -	0.00%
5084 Switched Access	\$ -	0.00%
5084 Special Access	\$ -	0.00%
Total State Access	\$ -	0.00%
Total Access Revenue	\$ 1,059	30.15%
Long Distance Network Revenue		
5100 Interstate Message	\$ -	0.00%
5100 Intrastate Message	\$ -	0.00%
5100 Interstate Calling Plan	\$ -	0.00%
5100 Intrastate Calling Plan	\$ -	0.00%
Total LD Msg Revenue	\$ 459	13.08%
Unidirectional LD Revenue		
5110 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 17	0.48%
LD Private Network Revenue		
5120 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 38	1.08%
Other Long Distance Revenue		
5160 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 6	0.17%
Total Long Distance Network Rev		
Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 520	14.81%

Basic Local Service		
5001 Basic Area	\$ 1,412	40.21%
5002 Optional Extended Area	\$ 43	1.23%
5003 Cellular Mobile	\$ 33	0.95%
5004 Other Mobile Svcs	\$ 3	0.08%
Total Basic Local Service	\$ 1,491	42.47%
Public Telephone Revenue		
5010 Local Public Msgs	\$ -	0.00%
Universal Public Phone	\$ -	0.00%
Public Exchange - IX Carrier	\$ -	0.00%
Credit Card Coinless	\$ -	0.00%
Public Exchange - CPE	\$ -	0.00%
Semi-Public Msgs	\$ -	0.00%
Other Public Phone Revenue	\$ -	0.00%
Total Public Phone Revenue	\$ 41	1.18%
Local Private Line Revenue		
5040 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total Private Line	\$ 49	1.40%
Customer Premises Revenue		
5050 Station Apparatus	\$ -	0.00%
Customer Premises Wiring	\$ -	0.00%
Total Customer Premises	\$ 4	0.10%
Other Local Exchange Revenue		
5060 Central Office Features	\$ -	0.00%
Information Transport	\$ -	0.00%
Directory Assistance	\$ -	0.00%
Intercept Services	\$ -	0.00%
Other Loc Exchg	\$ -	0.00%
Total Other	\$ 347	9.89%
Total Local Network Service Revenue		
Interstate	\$ -	0.00%
Intrastate	\$ 1,932	55.04%
Total Revenue	\$ 3,511	100.00%

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Expense Module Release 5.0a

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Users making modifications to non-user adjustable inputs of
the HAI Model may not represent generated calculations as
those of the HAI Model.

Scenario Inputs

NOTE: This sheet displays all user adjustable inputs which vary from HM 5.0a default settings

Workfile Name: C:\Program Files\HM50\WORKFILES\HMWKMO4204721.XLS
Distribution Module Name: C:\Program Files\HM50\MODULES\R50a_distribution.xls
Feeder Module Name: C:\Program Files\HM50\MODULES\R50a_feeder.xls
Switching Module Name: C:\Program Files\HM50\MODULES\R50a_switching_io-Dt-HRInd-TransForm-Fiber-Sharing.xls
Expense Module Name: C:\Program Files\HM50\MODULES\R50a_expense_density.xls

Module/Table	Scenario Input	Scenario Value	Default Value
Switching	Use host - remote assignments	TRUE	FALSE

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User Adjustable Inputs

Distribution Input	Current Scenario Value	Default Scenario Value	Feeder Input	Current Scenario Value	Default Scenario Value
Distribution Cable Fill - 0	0.50	0.50	Copper Feeder Fill - 0	0.65	0.65
Distribution Cable Fill - 5	0.55	0.55	Copper Feeder Fill - 5	0.75	0.75
Distribution Cable Fill - 100	0.55	0.55	Copper Feeder Fill - 100	0.80	0.80
Distribution Cable Fill - 200	0.60	0.60	Copper Feeder Fill - 200	0.80	0.80
Distribution Cable Fill - 650	0.65	0.65	Copper Feeder Fill - 650	0.80	0.80
Distribution Cable Fill - 850	0.70	0.70	Copper Feeder Fill - 850	0.80	0.80
Distribution Cable Fill - 2550	0.75	0.75	Copper Feeder Fill - 2550	0.80	0.80
Distribution Cable Fill - 5000	0.75	0.75	Copper Feeder Fill - 5000	0.80	0.80
Distribution Cable Fill - 10000	0.75	0.75	Copper Feeder Fill - 10000	0.80	0.80
Buried Fraction - 0	0.95	0.95	Fiber Feeder Strand Fill - 0	1.00	1.00
Buried Fraction - 5	0.95	0.95	Fiber Feeder Strand Fill - 5	1.00	1.00
Buried Fraction - 100	0.95	0.95	Fiber Feeder Strand Fill - 100	1.00	1.00
Buried Fraction - 200	0.95	0.95	Fiber Feeder Strand Fill - 200	1.00	1.00
Buried Fraction - 650	0.95	0.95	Fiber Feeder Strand Fill - 650	1.00	1.00
Buried Fraction - 850	0.85	0.85	Fiber Feeder Strand Fill - 850	1.00	1.00
Buried Fraction - 2550	0.85	0.85	Fiber Feeder Strand Fill - 2550	1.00	1.00
Buried Fraction - 5000	0.86	0.86	Fiber Feeder Strand Fill - 5000	1.00	1.00
Buried Fraction - 10000	0.85	0.85	Fiber Feeder Strand Fill - 10000	1.00	1.00
Aerial Cable Fraction - 0	0.05	0.05	Copper Aerial Fraction - 0	0.05	0.05
Aerial Cable Fraction - 5	0.05	0.05	Copper Aerial Fraction - 5	0.05	0.05
Aerial Cable Fraction - 100	0.05	0.05	Copper Aerial Fraction - 100	0.05	0.05
Aerial Cable Fraction - 200	0.05	0.05	Copper Aerial Fraction - 200	0.05	0.05
Aerial Cable Fraction - 650	0.05	0.05	Copper Aerial Fraction - 650	0.05	0.05
Aerial Cable Fraction - 850	0.05	0.05	Copper Aerial Fraction - 850	0.05	0.05
Aerial Cable Fraction - 2550	0.05	0.05	Copper Aerial Fraction - 2550	0.05	0.05
Aerial Cable Fraction - 5000	0.05	0.05	Copper Aerial Fraction - 5000	0.05	0.05
Aerial Cable Fraction - 10000	0.05	0.05	Copper Aerial Fraction - 10000	0.05	0.05
Pole Spacing, feet - 0	250	250	Copper Buried Fraction - 0	0.95	0.95
Pole Spacing, feet - 5	250	250	Copper Buried Fraction - 5	0.95	0.95
Pole Spacing, feet - 100	200	200	Copper Buried Fraction - 100	0.95	0.95
Pole Spacing, feet - 200	200	200	Copper Buried Fraction - 200	0.95	0.95
Pole Spacing, feet - 650	175	175	Copper Buried Fraction - 650	0.95	0.95
Pole Spacing, feet - 850	175	175	Copper Buried Fraction - 850	0.85	0.85
Pole Spacing, feet - 2550	150	150	Copper Buried Fraction - 2550	0.01	0.01
Pole Spacing, feet - 5000	150	150	Copper Buried Fraction - 5000	0.85	0.85
Pole Spacing, feet - 10000	150	150	Copper Buried Fraction - 10000	0.85	0.85
Drop Distance, feet - 0	150	150	Copper Manhole Spacing, feet - 0	800	800
Drop Distance, feet - 5	150	150	Copper Manhole Spacing, feet - 5	800	800
Drop Distance, feet - 100	100	100	Copper Manhole Spacing, feet - 100	800	800
Drop Distance, feet - 200	100	100	Copper Manhole Spacing, feet - 200	800	800
Drop Distance, feet - 650	50	50	Copper Manhole Spacing, feet - 650	600	600
Drop Distance, feet - 850	50	50	Copper Manhole Spacing, feet - 850	600	600
Drop Distance, feet - 2550	50	50	Copper Manhole Spacing, feet - 2550	600	600
Drop Distance, feet - 5000	50	50	Copper Manhole Spacing, feet - 5000	400	400
Drop Distance, feet - 10000	50	50	Copper Manhole Spacing, feet - 10000	400	400
Aerial Drop Placement (total) - 0	23.33	23.33	Fiber Aerial Fraction - 0	0.05	0.05
Aerial Drop Placement (total) - 5	23.33	23.33	Fiber Aerial Fraction - 5	0.05	0.05
Aerial Drop Placement (total) - 100	17.50	17.50	Fiber Aerial Fraction - 100	0.05	0.05
Aerial Drop Placement (total) - 200	17.50	17.50	Fiber Aerial Fraction - 200	0.05	0.05
Aerial Drop Placement (total) - 650	11.67	11.67	Fiber Aerial Fraction - 650	0.05	0.05
Aerial Drop Placement (total) - 850	11.67	11.67	Fiber Aerial Fraction - 850	0.00	0.00
Aerial Drop Placement (total) - 2550	11.67	11.67	Fiber Aerial Fraction - 2550	0.05	0.05

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User Adjustable Inputs

Distribution Input	Current Scenario Value	Default Scenario Value	Feeder Input	Current Scenario Value	Default Scenario Value
Aerial Drop Placement (total) - 5000	11.67	11.67	Fiber Aerial Fraction - 5000	0.05	0.05
Aerial Drop Placement (total) - 10000	11.67	11.67	Fiber Aerial Fraction - 10000	0.05	0.05
Buried Drop Placement (total) - 0	0.60	0.60	Fiber Buried Fraction - 0	0.95	0.95
Buried Drop Placement (total) - 5	0.60	0.60	Fiber Buried Fraction - 5	0.95	0.95
Buried Drop Placement (total) - 100	0.60	0.60	Fiber Buried Fraction - 100	0.95	0.95
Buried Drop Placement (total) - 200	0.60	0.60	Fiber Buried Fraction - 200	0.95	0.95
Buried Drop Placement (total) - 650	0.60	0.60	Fiber Buried Fraction - 650	0.95	0.95
Buried Drop Placement (total) - 850	0.60	0.60	Fiber Buried Fraction - 850	0.01	0.01
Buried Drop Placement (total) - 2550	0.75	0.75	Fiber Buried Fraction - 2550	0.85	0.85
Buried Drop Placement (total) - 5000	1.50	1.50	Fiber Buried Fraction - 5000	0.85	0.85
Buried Drop Placement (total) - 10000	5.00	5.00	Fiber Buried Fraction - 10000	0.85	0.85
Buried Drop Sharing Fraction - 0	1.00	1.00	Fiber Pullbox Spacing, feet - 0	2,000.00	2,000.00
Buried Drop Sharing Fraction - 5	1.00	1.00	Fiber Pullbox Spacing, feet - 5	2,000.00	2,000.00
Buried Drop Sharing Fraction - 100	1.00	1.00	Fiber Pullbox Spacing, feet - 100	2,000.00	2,000.00
Buried Drop Sharing Fraction - 200	1.00	1.00	Fiber Pullbox Spacing, feet - 200	2,000.00	2,000.00
Buried Drop Sharing Fraction - 650	1.00	1.00	Fiber Pullbox Spacing, feet - 650	2,000.00	2,000.00
Buried Drop Sharing Fraction - 850	1.00	1.00	Fiber Pullbox Spacing, feet - 850	2,000.00	2,000.00
Buried Drop Sharing Fraction - 2550	1.00	1.00	Fiber Pullbox Spacing, feet - 2550	2,000.00	2,000.00
Buried Drop Sharing Fraction - 5000	1.00	1.00	Fiber Pullbox Spacing, feet - 5000	2,000.00	2,000.00
Buried Drop Sharing Fraction - 10000	1.00	1.00	Fiber Pullbox Spacing, feet - 10000	2,000.00	2,000.00
Buried Drop Fraction - 0	0.95	0.95	Fiber Feeder Investment per foot - 216	13.10	13.10
Buried Drop Fraction - 5	0.95	0.95	Fiber Feeder Investment per foot - 144	9.50	9.50
Buried Drop Fraction - 100	0.95	0.95	Fiber Feeder Investment per foot - 96	7.10	7.10
Buried Drop Fraction - 200	0.95	0.95	Fiber Feeder Investment per foot - 72	5.90	5.90
Buried Drop Fraction - 650	0.95	0.95	Fiber Feeder Investment per foot - 60	5.30	5.30
Buried Drop Fraction - 850	0.95	0.95	Fiber Feeder Investment per foot - 48	4.70	4.70
Buried Drop Fraction - 2550	0.95	0.95	Fiber Feeder Investment per foot - 36	4.10	4.10
Buried Drop Fraction - 5000	0.95	0.95	Fiber Feeder Investment per foot - 24	3.50	3.50
Buried Drop Fraction - 10000	0.95	0.95	Fiber Feeder Investment per foot - 18	3.20	3.20
Pole Investment	201.00	201.00	Fiber Feeder Investment per foot - 12	2.90	2.90
Pole Labor	216.00	216.00	Copper Feeder Investment per foot - 4200	29.00	29.00
Buried Cable Jacketing Multiplier	1.04	1.04	Copper Feeder Investment per foot - 3600	26.00	26.00
Conduit Investment per foot	0.60	0.60	Copper Feeder Investment per foot - 3000	23.00	23.00
Spare Tubes per route	1.00	1.00	Copper Feeder Investment per foot - 2400	20.00	20.00
Regional Labor Adjustment Factor (see Labor Inputs)	1.00	1.00	Copper Feeder Investment per foot - 1800	16.00	16.00
Residential NID case, no protector	10.00	10.00	Copper Feeder Investment per foot - 1200	12.00	12.00
Residential NID basic labor	15.00	15.00	Copper Feeder Investment per foot - 900	10.00	10.00
spare	-	-	Copper Feeder Investment per foot - 600	7.75	7.75
Residential Protection Block, per pair	4.00	4.00	Copper Feeder Investment per foot - 400	6.00	6.00
Business NID case, no protector	25.00	25.00	Copper Feeder Investment per foot - 200	4.25	4.25
Business NID basic labor	15.00	15.00	Copper Feeder Investment per foot - 100	2.50	2.50
Business Protection Block, per pair	4.00	4.00	Buried Copper Cable Sheath Multiplier	1.04	1.04
Average Lines per business location	4.00	4.00	Buried Fiber Sheath Addition per foot	0.20	0.20
Terminal and Splice per line, buried	42.50	42.50	Pole Materials	201.00	201.00
Terminal and Splice per line, aerial	32.00	32.00	Pole Labor	216.00	216.00
Drop cable investment per foot buried	0.14	0.14	Conduit Material Investment per foot	0.60	0.60
Drop cable buried pairs	3.00	3.00	Inner Duct Investment per foot	0.30	0.30
Drop cable investment per foot aerial	0.095	0.095	Spare Tubes per section	1.00	1.00
Drop cable aerial pairs	2.00	2.00	Regional Labor Adjustment Factor (see Labor	1.00	1.00
DS-0 fraction	1.00	1.00	Pole Spacing, feet - 0	250.00	250.00
DS-1 fraction	-	-	Pole Spacing, feet - 5	250.00	250.00
DS-0 pair equivalent	1.00	1.00	Pole Spacing, feet - 100	200.00	200.00

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User Adjustable Inputs

Distribution Input	Current Scenario Value	Default Scenario Value	Feeder Input	Current Scenario Value	Default Scenario Value
DS-1 pair equivalent	2.00	2.00	Pole Spacing, feet - 200	200.00	200.00
DS-3 pair equivalent	56.00	56.00	Pole Spacing, feet - 650	175.00	175.00
Indoor NID case	5.00	5.00	Pole Spacing, feet - 850	175.00	175.00
Buried fraction available for shift - 0	-	-	Pole Spacing, feet - 2550	150.00	150.00
Buried fraction available for shift - 5	-	-	Pole Spacing, feet - 5000	150.00	150.00
Buried fraction available for shift - 100	-	-	Pole Spacing, feet - 10000	150.00	150.00
Buried fraction available for shift - 200	-	-	Buried fraction available for shift - 0	-	-
Buried fraction available for shift - 650	-	-	Buried fraction available for shift - 5	-	-
Buried fraction available for shift - 850	-	-	Buried fraction available for shift - 100	-	-
Buried fraction available for shift - 2550	-	-	Buried fraction available for shift - 200	-	-
Buried fraction available for shift - 5000	-	-	Buried fraction available for shift - 650	-	-
Buried fraction available for shift - 10000	-	-	Buried fraction available for shift - 850	-	-
Wireless Investment Cap Enabled	FALSE	FALSE	Buried fraction available for shift - 2550	-	-
Wireless Point to Point Inv cap - distribution, per line	7,500.00	7,500.00	Buried fraction available for shift - 5000	-	-
Wireless Common inv, broadcast	112,500.00	112,500.00	Buried fraction available for shift - 10000	-	-
Wireless per line inv, broadcast	500.00	500.00	Fiber investment/strand - foot	0.1000	0.10
Maximum broadcast lines for common inv	30.00	30.00	Copper investment/pair - foot	0.0075	0.01
High Density DLC Site and Power	3,000.00	3,000.00	Copper Manhole Materials - 0	1865	1,865.00
High Density DLC Maximum Lines/Increment	672.00	672.00	Copper Manhole Materials - 5	1865	1,865.00
High Density DLC RT Fill Factor	0.90	0.90	Copper Manhole Materials - 100	1865	1,865.00
High Density DLC Basic Common Eqpt Invest + initial lines	66,000.00	66,000.00	Copper Manhole Materials - 200	1865	1,865.00
High Density DLC POTS Channel Unit Investment	310.00	310.00	Copper Manhole Materials - 650	1865	1,865.00
High Density DLC POTS Lines per CU	4.00	4.00	Copper Manhole Materials - 850	1865	1,865.00
High Density DLC Coin Channel Unit Investment	250.00	250.00	Copper Manhole Materials - 2550	1865	1,865.00
High Density DLC Coin Lines per CU	2.00	2.00	Copper Manhole Materials - 5000	1865	1,865.00
High Density DLC 303/LD crossover, lines	480.00	480.00	Copper Manhole Materials - 10000	1865	1,865.00
High Density DLC Fibers per RT	4.00	4.00	Copper Manhole Frame and Cover - 0	350.00	350.00
High Density DLC Optical Patch Panel	1,000.00	1,000.00	Copper Manhole Frame and Cover - 5	350.00	350.00
High Density DLC Copper Feeder Max Distance, ft	9,000.00	9,000.00	Copper Manhole Frame and Cover - 100	350.00	350.00
High Density DLC Common Eqpt Invest per additional 672 lines	18,500.00	18,500.00	Copper Manhole Frame and Cover - 200	350.00	350.00
High Density DLC Maximum Number of additional line modules/R	2.00	2.00	Copper Manhole Frame and Cover - 650	350.00	350.00
Low Density DLC Site and Power	1,300	1,300	Copper Manhole Frame and Cover - 850	350.00	350.00
Low Density DLC Maximum Lines/Increment	120.00	120.00	Copper Manhole Frame and Cover - 2550	350.00	350.00
Low Density DLC RT Fill Factor	0.90	0.90	Copper Manhole Frame and Cover - 5000	350.00	350.00
Low Density DLC Basic Common Eqpt Invest + initial lines	16,000.00	16,000.00	Copper Manhole Frame and Cover - 10000	350.00	350.00
Low Density DLC POTS Channel Unit Investment	600.00	600.00	Copper Manhole Site Delivery - 0	125.00	125.00
Low Density DLC POTS Lines per CU	6.00	6.00	Copper Manhole Site Delivery - 5	125.00	125.00
Low Density DLC Coin Channel Unit Investment	600.00	600.00	Copper Manhole Site Delivery - 100	125.00	125.00
Low Density DLC Coin Lines per CU	6.00	6.00	Copper Manhole Site Delivery - 200	125.00	125.00
Low Density DLC Fibers per RT	4.00	4.00	Copper Manhole Site Delivery - 650	125.00	125.00
Low Density DLC Optical Patch Panel	1,000.00	1,000.00	Copper Manhole Site Delivery - 850	125.00	125.00
Low Density DLC Common Eqpt Invest per additional 96 lines	9,400.00	9,400.00	Copper Manhole Site Delivery - 2550	125.00	125.00
Low Density DLC Maximum Number of additional line modules/R	1.00	1.00	Copper Manhole Site Delivery - 5000	125.00	125.00
Distribution Cable Size 1	2,400.00	2,400.00	Copper Manhole Site Delivery - 10000	125.00	125.00
Distribution Cable Size 2	1,800.00	1,800.00	Copper Manhole Excavate and Backfill - 0	2,800	2,800
Distribution Cable Size 3	1,200.00	1,200.00	Copper Manhole Excavate and Backfill - 5	2,800	2,800
Distribution Cable Size 4	900.00	900.00	Copper Manhole Excavate and Backfill - 100	2,800	2,800
Distribution Cable Size 5	600.00	600.00	Copper Manhole Excavate and Backfill - 200	2,800	2,800
Distribution Cable Size 6	400.00	400.00	Copper Manhole Excavate and Backfill - 650	3,200	3,200
Distribution Cable Size 7	200.00	200.00	Copper Manhole Excavate and Backfill - 850	3,500	3,500
Distribution Cable Size 8	100.00	100.00	Copper Manhole Excavate and Backfill - 2550	3,500	3,500
Distribution Cable Size 9	50.00	50.00	Copper Manhole Excavate and Backfill - 5000	5,000	5,000

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User Adjustable Inputs

Distribution Input	Current Scenario Value	Default Scenario Value	Feeder Input	Current Scenario Value	Default Scenario Value
Distribution Cable Size 10	25.00	25.00	Copper Manhole Excavate and Backfill - 1000	5,000	5,000
Distribution Cable Size 11	12.00	12.00	Fiber Pullbox Materials - 0	280.00	280.00
Distribution Cable Size 12	6.00	6.00	Fiber Pullbox Materials - 5	280.00	280.00
Distribution Cable Investment per foot 1	20.00	20.00	Fiber Pullbox Materials - 100	280.00	280.00
Distribution Cable Investment per foot 2	16.00	16.00	Fiber Pullbox Materials - 200	280.00	280.00
Distribution Cable Investment per foot 3	12.00	12.00	Fiber Pullbox Materials - 650	280.00	280.00
Distribution Cable Investment per foot 4	10.00	10.00	Fiber Pullbox Materials - 850	280.00	280.00
Distribution Cable Investment per foot 5	7.75	7.75	Fiber Pullbox Materials - 2550	280.00	280.00
Distribution Cable Investment per foot 6	6.00	6.00	Fiber Pullbox Materials - 5000	280.00	280.00
Distribution Cable Investment per foot 7	4.25	4.25	Fiber Pullbox Materials - 10000	280.00	280.00
Distribution Cable Investment per foot 8	2.50	2.50	Fiber Pullbox Installation - 0	220.00	220.00
Distribution Cable Investment per foot 9	1.63	1.63	Fiber Pullbox Installation - 5	220.00	220.00
Distribution Cable Investment per foot 10	1.19	1.19	Fiber Pullbox Installation - 100	220.00	220.00
Distribution Cable Investment per foot 11	0.76	0.76	Fiber Pullbox Installation - 200	220.00	220.00
Distribution Cable Investment per foot 12	0.63	0.63	Fiber Pullbox Installation - 650	220.00	220.00
Distribution Riser Cable Size 1	2,400.00	2,400.00	Fiber Pullbox Installation - 850	220.00	220.00
Distribution Riser Cable Size 2	1,800.00	1,800.00	Fiber Pullbox Installation - 2550	220.00	220.00
Distribution Riser Cable Size 3	1,200.00	1,200.00	Fiber Pullbox Installation - 5000	220.00	220.00
Distribution Riser Cable Size 4	900.00	900.00	Fiber Pullbox Installation - 10000	220.00	220.00
Distribution Riser Cable Size 5	600.00	600.00	Dewatering factor manhole excavation (additi	0.20	0.20
Distribution Riser Cable Size 6	400.00	400.00	Water table depth for dewatering, ft	5.00	5.00
Distribution Riser Cable Size 7	200.00	200.00			
Distribution Riser Cable Size 8	100.00	100.00			
Distribution Riser Cable Size 9	50.00	50.00			
Distribution Riser Cable Size 10	25.00	25.00			
Distribution Riser Cable Size 11	12.00	12.00			
Distribution Riser Cable Size 12	6.00	6.00			
Distribution Riser Cable Investment per foot 1	25.00	25.00			
Distribution Riser Cable Investment per foot 2	20.00	20.00			
Distribution Riser Cable Investment per foot 3	15.00	15.00			
Distribution Riser Cable Investment per foot 4	12.50	12.50			
Distribution Riser Cable Investment per foot 5	10.00	10.00			
Distribution Riser Cable Investment per foot 6	7.50	7.50			
Distribution Riser Cable Investment per foot 7	5.30	5.30			
Distribution Riser Cable Investment per foot 8	3.15	3.15			
Distribution Riser Cable Investment per foot 9	2.05	2.05			
Distribution Riser Cable Investment per foot 10	1.50	1.50			
Distribution Riser Cable Investment per foot 11	0.95	0.95			
Distribution Riser Cable Investment per foot 12	0.80	0.80			
Distance Multiplier for difficult terrain	1.00	1.00			
Rock Depth Threshold, inches	24.00	24.00			
Hard Rock Placement Multiplier	3.50	3.50			
Soft Rock Placement Multiplier	2.00	2.00			
Sidewalk/Street Fraction	0.20	0.20			
Local RT - Maximum Total Distance	18,000.00	18,000.00			
SAI Cable Size 1	7,200.00	7,200.00			
SAI Cable Size 2	5,400.00	5,400.00			
SAI Cable Size 3	3,600.00	3,600.00			
SAI Cable Size 4	2,400.00	2,400.00			
SAI Cable Size 5	1,800	1,800			
SAI Cable Size 6	1,200	1,200			
SAI Cable Size 7	900	900			

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User Adjustable Inputs

Distribution Input	Current Scenario Value	Default Scenario Value	Feeder Input	Current Scenario Value	Default Scenario Value
SAI Cable Size 8	600	600			
SAI Cable Size 9	400	400			
SAI Cable Size 10	200	200			
SAI Cable Size 11	100	100			
SAI Cable Size 12	50	50			
SAI Indoor Investment 1	9,656	9,656			
SAI Indoor Investment 2	7,392	7,392			
SAI Indoor Investment 3	4,928	4,928			
SAI Indoor Investment 4	3,352	3,352			
SAI Indoor Investment 5	2,464.00	2,464.00			
SAI Indoor Investment 6	1,776.00	1,776.00			
SAI Indoor Investment 7	1,232.00	1,232.00			
SAI Indoor Investment 8	888.00	888.00			
SAI Indoor Investment 9	592.00	592.00			
SAI Indoor Investment 10	296.00	296.00			
SAI Indoor Investment 11	148.00	148.00			
SAI Indoor Investment 12	98.00	98.00			
SAI Outdoor Investment 1	10,000.00	10,000.00			
SAI Outdoor Investment 2	8,200.00	8,200.00			
SAI Outdoor Investment 3	6,000.00	6,000.00			
SAI Outdoor Investment 4	4,300.00	4,300.00			
SAI Outdoor Investment 5	3,400.00	3,400.00			
SAI Outdoor Investment 6	2,400.00	2,400.00			
SAI Outdoor Investment 7	1,900.00	1,900.00			
SAI Outdoor Investment 8	1,400.00	1,400.00			
SAI Outdoor Investment 9	1,000.00	1,000.00			
SAI Outdoor Investment 10	600.00	600.00			
SAI Outdoor Investment 11	350.00	350.00			
SAI Outdoor Investment 12	250.00	250.00			
Repeater Investment, installed	527.00	527.00			
Integrated COT, installed	420.00	420.00			
Remote Multiplexer Common Equip Inv, installed	8,200.00	8,200.00			
Channel Unit Investment, per subscriber	125.00	125.00			
COT investment per RT, installed	1,170.00	1,170.00			
Remote Terminal fill factor	0.90	0.90			
Maximum T1s per cable	8.00	8.00			
T1 repeater spacing, dB	32.00	32.00			
Aerial T1 attenuation, dB/kft	6.30	6.30			
Buried T1 attenuation, dB/kft	5.00	5.00			
Feeder steering enable	FALSE	FALSE			
Main feeder route/air multiplier	1	1			
Rectangular cluster switch	FALSE	FALSE			

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User Adjustable Inputs

Switching Input	Current Scenario Value	Default Scenario Value	Expense Input	Current Scenario Value	Default Scenario Value
Constant EO Switching Investment Term, small ICO	520.14	520.14	Cost of Debt	0.088	0.088
Constant EO Switching Investment Term, BOC and large ICO	242.73	242.73	Debt Fraction	0.442	0.442
Switch Capacity Real-Time (BHCA) - 1	10,000	10,000	Cost of Equity	0.132	0.132
Switch Capacity Real-Time (BHCA) - 2	50,000	50,000	Average Trunk Utilization	0.300	0.300
Switch Capacity Real-Time (BHCA) - 3	200,000	200,000	Tax Rate	0.393	0.393
Switch Capacity Real-Time (BHCA) - 4	600,000	600,000	Corporate Overhead Factor	0.104	0.104
Switch Capacity Traffic (BHCCS) - 1	30,000	30,000	Other Taxes Factor	0.050	0.050
Switch Capacity Traffic (BHCCS) - 2	150,000	150,000	Billing/Bill Inquiry per line per month	2.300	2.300
Switch Capacity Traffic (BHCCS) - 3	600,000	600,000	Directory Listing per line per month	-	-
Switch Capacity Traffic (BHCCS) - 4	1,800,000	1,800,000	Forward-looking Network Operations Factor	1.000	1.000
Initial Switch Maximum Equipped Line Size	80,000	80,000	Alternative CO Switching Factor	0.048	0.048
Switch Port Administrative Fill	0.94	0.94	Alternative Circuit Equipment Factor	0.015	0.015
Switch Maximim Processor Occupancy	0.90	0.90	EO Traffic Sensitive Fraction	0.700	0.700
Processor Feature Loading Multiplier - normal	1.20	1.20	Monthly LNP cost, per line	0.250	0.250
Processor Feature Loading Multiplier - heavy business	2.00	2.00	Carrier to Carrier Customer Service, per line per ye	1.69	1.69
Processor Feature Loading Multiplier - business penetration threshold	0.30	0.30	NID Expense per line per year	1.00	1.00
MDF/Protector Investment per line	-	-	DS-0/DS-1 Terminal Factor	12.4	12.4
Analog Line Circuit Offset for DLC lines, per line	-	-	DS-1/DS-3 Terminal Factor	9.9	9.9
Switch Installation Multiplier	1.00	1.00	Average Lines per Business Location	4	4
Operator Traffic Fraction	0.02	0.02	Distribution Aerial Shring Fraction - 0	1.00	1.00
Total Interoffice Traffic Fraction	0.40	0.40	Distribution Aerial Shring Fraction - 5	1.00	1.00
Maximum Trunk Occupancy, CCS	27.50	27.50	Distribution Aerial Shring Fraction - 100	1.00	1.00
Trunk Port, per end	100.00	100.00	Distribution Aerial Shring Fraction - 200	0.50	0.50
Entrance Facility Distance, miles	0.50	0.50	Distribution Aerial Shring Fraction - 650	0.50	0.50
Direct-routed Fraction of Local Interoffice	0.98	0.98	Distribution Aerial Shring Fraction - 850	0.50	0.50
POPs per Tandem Location	5.00	5.00	Distribution Aerial Shring Fraction - 2550	0.50	0.50
Tandem-routed Fraction of Total IntraLATA Traffic	1.00	1.00	Distribution Aerial Shring Fraction - 5000	0.50	0.50
Tandem-routed Fraction of Total InterLATA Traffic	1.00	1.00	Distribution Aerial Shring Fraction - 10000	0.50	0.50
Local Call Attempts	17,620	17,620	Distribution Buried Shring Fraction - 0	1.00	1.00
Call Completion Factor	0.70	0.70	Distribution Buried Shring Fraction - 5	1.00	1.00
IntraLATA Calls Completed	1,054	1,054	Distribution Buried Shring Fraction - 100	1.00	1.00
InterLATA intrastate Calls Completed	1,061	1,061	Distribution Buried Shring Fraction - 200	1.00	1.00
InterLATA interstate Calls Completed	2,257	2,257	Distribution Buried Shring Fraction - 650	1.00	1.00
Local DEMs, thousands	77,763	77,763	Distribution Buried Shring Fraction - 850	1.00	1.00
Intrastate DEMs, thousands	16,603	16,603	Distribution Buried Shring Fraction - 2550	1.00	1.00
Interstate DEMs, thousands	16,393	16,393	Distribution Buried Shring Fraction - 5000	1.00	1.00
Local Business/Residence DEMs	1.10	1.10	Distribution Buried Shring Fraction - 10000	1.00	1.00
Intrastate Business/Residence DEMs	2.00	2.00	Distribution Underground Shring Fraction - 0	1.00	1.00
Interstate Business/Residence DEMs	3.00	3.00	Distribution Underground Shring Fraction - 5	1.00	1.00
BH Fraction of Daily Usage	0.10	0.10	Distribution Underground Shring Fraction - 100	1.00	1.00
Annual to Daily Usage Reduction Factor	270.00	270.00	Distribution Underground Shring Fraction - 200	1.00	1.00
Residential Holding Time Multiplier	1.00	1.00	Distribution Underground Shring Fraction - 650	1.00	1.00
Business Holding Time Multiplier	1.00	1.00	Distribution Underground Shring Fraction - 850	1.00	1.00
Residential Call Attempts per BH	1.30	1.30	Distribution Underground Shring Fraction - 2550	1.00	1.00
Business Call Attempts per BH	3.50	3.50	Distribution Underground Shring Fraction - 5000	1.00	1.00
ICO STP Investment, per line (equipment)	5.50	5.50	Distribution Underground Shring Fraction - 10000	1.00	1.00
ICO Local Tandem Investment, per line	1.90	1.90	Feeder Aerial Shring Fraction - 0	1.00	1.00
ICO OS Tandem Investment, per line	0.80	0.80	Feeder Aerial Shring Fraction - 5	1.00	1.00
ICO SCP Investment per line (equipment)	2.50	2.50	Feeder Aerial Shring Fraction - 100	1.00	1.00
ICO SCP - STP per line (wirecenter)	0.40	0.40	Feeder Aerial Shring Fraction - 200	0.50	0.50
ICO Local Tandem Investment, per line (wirecenter)	2.50	2.50	Feeder Aerial Shring Fraction - 650	0.50	0.50
ICO OS Tandem Investment, per line (wirecenter)	1.00	1.00	Feeder Aerial Shring Fraction - 850	0.50	0.50

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User Adjustable Inputs

Switching Input	Current Scenario Value	Default Scenario Value	Expense Input	Current Scenario Value	Default Scenario Value
ICO Tandem A Links and C Links per line (wirecenter)	0.30	0.30	Feeder Aerial Shring Fraction - 2550	0.50	0.50
Real-time Limit, BHCA	750,000	750,000	Feeder Aerial Shring Fraction - 5000	0.50	0.50
Port Limit, trunks	100,000	100,000	Feeder Aerial Shring Fraction - 10000	0.50	0.50
Common Equipment Investment	1,000,000	1,000,000	Feeder Underground Shring Fraction - 0	1.00	1.00
Maximum Port Fill	0.90	0.90	Feeder Underground Shring Fraction - 5	1.00	1.00
Maximum Real-time Occupancy	0.90	0.90	Feeder Underground Shring Fraction - 100	1.00	1.00
Common Equipment Intercept Factor	0.50	0.50	Feeder Underground Shring Fraction - 200	1.00	1.00
STP Link Capacity	720	720	Feeder Underground Shring Fraction - 650	1.00	1.00
STP Maximum Link Fill	0.80	0.80	Feeder Underground Shring Fraction - 850	1.00	1.00
Maximum STP Investment, per pair	5,000,000	5,000,000	Feeder Underground Shring Fraction - 2550	1.00	1.00
Minimum STP Investment, per pair	1,000,000	1,000,000	Feeder Underground Shring Fraction - 5000	1.00	1.00
Link Termination, both ends	900	900	Feeder Underground Shring Fraction - 10000	1.00	1.00
Signaling Link Bit Rate	56,000	56,000	Feeder Buried Shring Fraction - 0	1.00	1.00
Link Occupancy	0.40	0.40	Feeder Buried Shring Fraction - 5	1.00	1.00
C Link Cross Section	24.00	24.00	Feeder Buried Shring Fraction - 100	1.00	1.00
ISUP Messages per Interoffice BHCA	6.00	6.00	Feeder Buried Shring Fraction - 200	1.00	1.00
ISUP Message Length, bytes	25.00	25.00	Feeder Buried Shring Fraction - 650	1.00	1.00
TCAP Messages per transaction	2.00	2.00	Feeder Buried Shring Fraction - 850	1.00	1.00
TCAP Message length, bytes	100.00	100.00	Feeder Buried Shring Fraction - 2550	1.00	1.00
Fraction of BHCA requiring TCAP	0.10	0.10	Feeder Buried Shring Fraction - 5000	1.00	1.00
SCP Investment/Transaction/Second	20,000	20,000	Feeder Buried Shring Fraction - 10000	1.00	1.00
Operator Investment per position	6,400	6,400	Motor Vehicles - Economic Life	9.28	9.28
Operator Maximum Utilization, per position, CCS	32	32	Garage Work Equipment - Economic Life	11.04	11.04
Operator Intervention Factor	10	10	Other Work Equipment - Economic Life	13.47	13.47
Public Telephone Investment, per station	760	760	Buildings - Economic Life	47.82	47.82
Lot Size, Multiplier of Switch Room Size	2	2	Furniture - Economic Life	17.10	17.10
Tandem/EO Wire Center Common Factor	0.40	0.40	Office Support Equipment - Economic Life	11.58	11.58
Power Investment 1	-	-	Company Comm. Equipment - Economic Life	7.69	7.69
Power Investment 2	-	-	General Purpose Computer - Economic Life	6.36	6.36
Power Investment 3	-	-	Digital Electronic Switching - Economic Life	16.66	16.66
Power Investment 4	-	-	Operator Systems - Economic Life	9.33	9.33
Power Investment 5	-	-	Digital Circuit Equipment - Economic Life	10.07	10.07
Switch Room Size, sq ft 1	500	500	Public Telephone Terminal Equipment - Economic	8.26	8.26
Switch Room Size, sq ft 2	1,000	1,000	Poles - Economic Life	15.92	15.92
Switch Room Size, sq ft 3	2,000	2,000	Aerial Cable - metallic - Economic Life	16.75	16.75
Switch Room Size, sq ft 4	5,000	5,000	Aerial Cable - non metallic - Economic Life	22.24	22.24
Switch Room Size, sq ft 5	10,000	10,000	Underground Cable - metallic - Economic Life	21.14	21.14
Construction Investment, sq ft 1	75.00	75.00	Underground Cable - non metallic - Economic Life	23.08	23.08
Construction Investment, sq ft 2	85.00	85.00	Buried - metallic - Economic Life	19.90	19.90
Construction Investment, sq ft 3	100.00	100.00	Buried - non metallic - Economic Life	23.86	23.86
Construction Investment, sq ft 4	125.00	125.00	Intrabuilding Cable - metallic - Economic Life	15.71	15.71
Construction Investment, sq ft 5	150.00	150.00	Intrabuilding Cable - non metallic - Economic Life	23.62	23.62
Land Investment, sq ft 1	5	5	Conduit Systems - Economic Life	50.92	50.92
Land Investment, sq ft 2	8	8	Motor Vehicles - Net Salvage %	0.1121	0.1121
Land Investment, sq ft 3	10	10	Garage Work Equipment - Net Salvage %	-0.1071	-0.1071
Land Investment, sq ft 4	15	15	Other Work Equipment - Net Salvage %	0.0321	0.0321
Land Investment, sq ft 5	20	20	Buildings - Net Salvage %	0.0187	0.0187
OC-48 ADM, installed, 48 DS-3s	50,000	50,000	Furniture - Net Salvage %	0.0688	0.0688
OC-48 ADM, installed, 12 DS-3s	40,000	40,000	Office Support Equipment - Net Salvage %	0.0691	0.0691
OC-3/DS-1 Terminal Multiplexer, installed, 84 DS-1s	26,000	26,000	Company Comm. Equipment - Net Salvage %	0.0376	0.0376
Investment per 7 DS-1s	500	500	General Purpose Computer - Net Salvage %	0.0373	0.0373
Number of Fibers	24	24	Digital Electronic Switching - Net Salvage %	0.0297	0.0297

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User Adjustable Inputs

Switching Input	Current Scenario Value	Default Scenario Value	Expense Input	Current Scenario Value	Default Scenario Value
Pigtrails, per strand	60	60	Operator Systems - Net Salvage %	-0.0082	-0.0082
Optical Distribution Panel	1,000	1,000	Digital Circuit Equipment - Net Salvage %	-0.0169	-0.0169
EF&I, per hour	55	55	Public Telephone Terminal Equipment - Net Salvage %	0.0797	0.0797
EF&I hours	32	32	Poles - Net Salvage %	-0.8998	-0.8998
Regional Labor Adjustment Factor (see Labor Inputs)	1	1	Aerial Cable - metallic - Net Salvage %	-0.2303	-0.2303
Channel Bank Investment, per 24 lines	5,000	5,000	Aerial Cable - non metallic - Net Salvage %	-0.1753	-0.1753
Fraction of SA Lines Requiring Multiplexing	-	-	Underground Cable - metallic - Net Salvage %	-0.1826	-0.1826
Regenerator, installed	15,000	15,000	Underground Cable - non metallic - Net Salvage %	-0.1458	-0.1458
Regenerator spacing, miles	40	40	Buried - metallic - Net Salvage %	-0.0839	-0.0839
DCS installed, per DS-3	30,000	30,000	Buried - non metallic - Net Salvage %	-0.0858	-0.0858
Transmission Terminal Fill (DS-0 level)	0.90	0.90	Intrabuilding Cable - metallic - Net Salvage %	-0.1574	-0.1574
Fiber Investment, fiber cable	3.50	3.50	Intrabuilding Cable - non metallic - Net Salvage %	-0.1052	-0.1052
Fiber, number of strands per ADM	4.00	4.00	Conduit Systems - Net Salvage %	-0.1034	-0.1034
Fiber Investment, buried fraction	0.95	0.95	Furniture - Capital Costs - % assigned per line	0.0000	0.0000
Fiber Investment, buried placement	1.77	1.77	Furniture - Expenses - % assigned per line	0.0000	0.0000
Fiber Investment, buried sheath addition	0.20	0.20	Office Equipment - Capital Costs - % assigned per line	0.0000	0.0000
Fiber Investment, conduit	0.60	0.60	Office Equipment - Expenses - % assigned per line	0.0000	0.0000
Fiber, spare tubes per route	1.00	1.00	General Purpose Computer - Capital Costs - % assigned per line	0.0000	0.0000
Fiber Investment, conduit placement	16.40	16.40	General Purpose Computer - Expenses - % assigned per line	0.0000	0.0000
Fiber, pullbox spacing	2,000.00	2,000.00	Motor Vehicles - Capital Costs - % assigned per line	0.0000	0.0000
Fiber Investment, pullbox investment	500.00	500.00	Motor Vehicles - Expenses - % assigned per line	0.0000	0.0000
Fiber, aerial fraction	0.05	0.05	Buildings - Capital Costs - % assigned per line	0.0000	0.0000
Fiber, pole spacing, feet	150.00	150.00	Buildings - Expenses - % assigned per line	0.0000	0.0000
Fiber Investment, pole material	201.00	201.00	Garage Work Eqpt. - Capital Costs - % assigned per line	0.0000	0.0000
Fiber Investment, pole labor (basic)	216.00	216.00	Garage Work Eqpt. - Expenses - % assigned per line	0.0000	0.0000
Fraction Poles and Buried/Underground Placement Common with Feed	0.75	0.75	Other Work Eqpt. - Capital Costs - % assigned per line	0.0000	0.0000
Fraction of Aerial Structure Assigned to Telephone	0.50	0.50	Other Work Eqpt. - Expenses - % assigned per line	0.0000	0.0000
Fraction of Buried Structure Assigned to Telephone	1.00	1.00	Network Operations - % assigned per line	0.0000	0.0000
Fraction of Underground Structure Assigned to Telephone	1.00	1.00	Other Taxes - % assigned per line	0.0000	0.0000
Multiplicative EO Switching Investment Term	-14.922	(14.92)	Variable Overhead - % assigned per line	0.0000	0.0000
Threshold value for off-ring wire centers, total lines	1	1.00			
Remote-host fraction of interoffice traffic -- remote	0.1	0.10			
Host-remote fraction of interoffice traffic -- host	0.05	0.05			
Maximum nodes per ring	16	16.00			
Use host - remote assignments	TRUE	FALSE			
Ring transiting traffic factor	0.4	0.40			
Intertandem fraction of tandem trunks (additive)	0.1	0.10			
Equivalent facility investment, per DS-0	138.08	138.08			
Equivalent terminal investment, per DS-0	111.62	111.62			
Switch line size - 1	0	-			
Switch line size - 2	640	640.00			
Switch line size - 3	5000	5,000.00			
Switch line size - 4	10000	10,000.00			
BOC standalone fixed inv - 1	428296	428,296.00			
BOC standalone fixed inv - 2	428296	428,296.00			
BOC standalone fixed inv - 3	428296	428,296.00			
BOC standalone fixed inv - 4	428296	428,296.00			
BOC host fixed inv - 1	428296	428,296.00			
BOC host fixed inv - 2	468700	468,700.00			
BOC host fixed inv - 3	468700	468,700.00			
BOC host fixed inv - 4	468700	468,700.00			
BOC remote fixed inv - 1	142384	142,384.00			

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User Adjustable Inputs

Switching Input	Current Scenario Value	Default Scenario Value	Expense Input	Current Scenario Value	Default Scenario Value
BOC remote fixed inv - 2	142384	142,384.00			
BOC remote fixed inv - 3	142384	142,384.00			
BOC remote fixed inv - 4	142384	142,384.00			
BOC standalone per line inv - 1	76.56	76.56			
BOC standalone per line inv - 2	76.56	76.56			
BOC standalone per line inv - 3	76.56	76.56			
BOC standalone per line inv - 4	76.56	76.56			
BOC host per line inv - 1	76.56	76.56			
BOC host per line inv - 2	76.56	76.56			
BOC host per line inv - 3	76.56	76.56			
BOC host per line inv - 4	76.56	76.56			
BOC remote per line inv - 1	76.56	76.56			
BOC remote per line inv - 2	76.56	76.56			
BOC remote per line inv - 3	76.56	76.56			
BOC remote per line inv - 4	76.56	76.56			
ICO standalone fixed inv - 1	428296	428,296.00			
ICO standalone fixed inv - 2	468700	468,700.00			
ICO standalone fixed inv - 3	428296	428,296.00			
ICO standalone fixed inv - 4	428296	428,296.00			
ICO host fixed inv - 1	468700	468,700.00			
ICO host fixed inv - 2	468700	468,700.00			
ICO host fixed inv - 3	468700	468,700.00			
ICO host fixed inv - 4	468700	468,700.00			
ICO remote fixed inv - 1	142384	142,384.00			
ICO remote fixed inv - 2	142384	142,384.00			
ICO remote fixed inv - 3	142384	142,384.00			
ICO remote fixed inv - 4	142384	142,384.00			
ICO standalone per line inv - 1	76.56	76.56			
ICO standalone per line inv - 2	76.56	76.56			
ICO standalone per line inv - 3	76.56	76.56			
ICO standalone per line inv - 4	76.56	76.56			
ICO host per line inv - 1	76.56	76.56			
ICO host per line inv - 2	76.56	76.56			
ICO host per line inv - 3	76.56	76.56			
ICO host per line inv - 4	76.56	76.56			
ICO remote per line inv - 1	76.56	76.56			
ICO remote per line inv - 2	76.56	76.56			
ICO remote per line inv - 3	76.56	76.56			
ICO remote per line inv - 4	76.56	76.56			

HAI Model Release 5.0a
User Adjustable Inputs

Switching Input			Expense Input		
	Current Scenario Value	Default Scenario Value		Current Scenario Value	Default Scenario Value