

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	156	-	156	-	-	-	152	\$	-	\$	-	\$	307,778	\$	15,216	\$	-	\$	-	\$	52,283		
5	DLC	319	-	319	-	-	-	315	\$	-	\$	-	\$	439,912	\$	21,632	\$	-	\$	-	\$	106,912		
100	DLC	590	109	458	18	6	-	448	\$	-	\$	-	\$	43,882	\$	2,161	\$	-	\$	-	\$	197,519		
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		1,066	109	933	18	6	-	915	\$	-	\$	-	\$	-	\$	791,572	\$	39,009	\$	-	\$	-	\$	356,714

HA

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	\$ 4,900	\$ -	\$ 162,138	\$ 8,205	\$ -	\$ -	\$ 243,400	\$ 15,098	0.00%	33.98%	0.00%	\$ 110,100	\$ 2,750	\$ 13,113	\$ 16,288	\$ 4,419	98,317
5	DLC	\$ 10,020	\$ -	\$ 339,140	\$ 17,163	\$ -	\$ -	\$ 620,946	\$ 33,134	0.00%	35.07%	0.00%	\$ 179,563	\$ 4,850	\$ 26,814	\$ 33,818	\$ 9,155	138,049
100	DLC	\$ 18,511	\$ -	\$ 410,205	\$ 20,759	\$ -	\$ -	\$ 393,480	\$ 23,010	0.00%	16.34%	0.00%	\$ 138,614	\$ 4,800	\$ 24,849	\$ 35,353	\$ 15,071	4,692
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		\$ 33,431	\$ -	\$ 911,483	\$ 46,128	\$ -	\$ -	\$ 1,257,827	\$ 71,243				\$ 428,277	\$ 12,400	\$ 64,776	\$ 85,458	\$ 28,644	241,058

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	144,343	156 \$	79,420 \$	- \$	12,669 \$	2,236 \$	297 \$	390 \$	125 \$	156 \$	7,730 \$	227	\$	48,450 \$	1,468 \$	950 \$	-
5	DLC	307,734	319 \$	162,405 \$	- \$	25,906 \$	4,572 \$	607 \$	799 \$	256 \$	319 \$	15,806 \$	464	\$	99,075 \$	3,002 \$	1,942 \$	-
100	DLC	195,005	590 \$	291,050 \$	- \$	46,426 \$	8,193 \$	1,088 \$	1,431 \$	458 \$	572 \$	28,327 \$	831	\$	183,040 \$	5,546 \$	3,589 \$	-
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		647,081	1,066 \$	532,876 \$	- \$	85,000 \$	15,000 \$	1,991 \$	2,620 \$	838 \$	1,048 \$	51,863 \$	1,522 \$	- \$	330,565 \$	10,015 \$	6,481 \$	-

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	\$	9,929	\$	16,455	\$	499	\$	323	\$	-	\$	3,372	\$	17,080	\$	517	\$	335	\$	-	\$	3,500	1												
5	DLC	\$	20,304	\$	33,648	\$	1,019	\$	660	\$	-	\$	6,896	\$	34,927	\$	1,058	\$	685	\$	-	\$	7,158	3												
100	DLC	\$	37,511	\$	62,164	\$	1,883	\$	1,219	\$	-	\$	12,740	\$	64,527	\$	1,955	\$	1,265	\$	-	\$	13,224	6												
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		\$	-	\$	67,744	\$	-	\$	112,267	\$	3,401	\$	2,201	\$	-	\$	-	\$	-	\$	23,007	\$	-	\$	116,534	\$	3,531	\$	2,285	\$	-	\$	-	\$	23,882	10

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	0	0	2	3	5	1	390 \$	62 \$	859 \$	2,255 \$	709	2,447,786	-	1,166,092
5	DLC	1	0	4	6	10	2	799 \$	128 \$	1,757 \$	4,612 \$	1,451	5,005,422	-	2,273,311
100	DLC	2	1	8	10	19	4	1,431 \$	229 \$	3,148 \$	8,265 \$	2,600	7,170,939	2,645,854	2,110,925
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		3	1	15	19	35	7	2,620 \$	419 \$	5,764 \$	15,132 \$	4,760	14,624,146	2,645,854	5,550,328

Universal Service Calculation Sheet - monthly costs per line

**Missouri
Miller Telephone Company - Mo**

	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	\$ 135.02	\$ 127.49	\$ 50.03	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 86.30
Port	4.44	4.44	4.44	-	-	-	-	-	-	4.44
End office usage	5.89	5.89	5.89	-	-	-	-	-	-	5.89
Signaling	0.12	0.12	0.12	-	-	-	-	-	-	0.12
Transport	3.07	3.07	3.07	-	-	-	-	-	-	3.07
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	\$ 151.58	\$ 144.05	\$ 66.58	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 102.86
@ Residence usage per line	\$ 151.44	\$ 143.92	\$ 66.45	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 107.19
@ Business usage per line	\$ 152.64	\$ 145.12	\$ 67.65	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 67.65
Total switched lines	156	319	572	-	-	-	-	-	-	1,048
Primary residence lines	152	315	448	-	-	-	-	-	-	915
Secondary residence lines	4	4	10	-	-	-	-	-	-	18
Single line business lines	-	-	-	-	-	-	-	-	-	-
Multiline business lines	-	-	109	-	-	-	-	-	-	109
Public lines	-	-	6	-	-	-	-	-	-	6
FEDERAL FUND ANALYSIS										
Annual Support										
for line types:	Specify	Bench								
Primary residence lines	X	\$31.00	\$ 219,335	\$ 426,975	\$ 190,547	\$ -	\$ -	\$ -	\$ -	\$ 836,858
Secondary residence lines		\$31.00	\$ 6,419	\$ 5,828	\$ 4,125	\$ -	\$ -	\$ -	\$ -	\$ 16,371
Single line business lines	X	\$51.00	\$ 0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Multiline business lines		\$51.00	\$ 0	\$ -	\$ 21,692	\$ -	\$ -	\$ -	\$ -	\$ 21,692
Public lines		\$51.00	\$ 0	\$ -	\$ 1,251	\$ -	\$ -	\$ -	\$ -	\$ 1,251
Support cost if all lines supported			\$ 225,754	\$ 432,803	\$ 217,615	\$ -	\$ -	\$ -	\$ -	\$ 876,173
Total annual support for specified lines										
@25% Federal allocation			\$ 54,834	\$ 106,744	\$ 47,637	\$ -	\$ -	\$ -	\$ -	\$ 209,214
@Implied 75% State allocation			\$ 164,502	\$ 320,232	\$ 142,910	\$ -	\$ -	\$ -	\$ -	\$ 627,643

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

\$20.00	\$ 239,367	\$ 468,569	\$ 249,668	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 957,604
\$30.00	\$ 221,156	\$ 430,757	\$ 195,922	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 847,835
\$40.00	\$ 202,946	\$ 392,945	\$ 142,175	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 738,066
\$50.00	\$ 184,735	\$ 355,133	\$ 88,428	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 628,296
\$60.00	\$ 166,525	\$ 317,321	\$ 34,682	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 518,527
\$70.00	\$ 148,314	\$ 279,509	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 427,823
\$80.00	\$ 130,104	\$ 241,697	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 371,801

STATE FUND ANALYSIS															
Annual Support for line types:		Specify	Bench mark												
Primary residence lines	X	\$31.00	\$	219,335	\$	426,975	\$	190,547	\$	-	\$	-	\$	836,858	
Secondary residence lines		\$31.00	\$	6,419	\$	5,828	\$	4,125	\$	-	\$	-	\$	16,371	
Single line business lines	X	\$51.00	\$	0	\$	-	\$	-	\$	-	\$	-	\$	0	
Multiline business lines		\$51.00	\$	0	\$	-	\$	21,692	\$	-	\$	-	\$	21,692	
Public lines		\$51.00	\$	0	\$	-	\$	1,251	\$	-	\$	-	\$	1,251	
Support cost if all lines supported				\$	225,754	\$	432,803	\$	217,615	\$	-	\$	-	\$	876,173
Total annual support for specified lines				\$	219,335	\$	426,975	\$	190,547	\$	-	\$	-	\$	836,858
@75% State allocation				\$	164,502	\$	320,232	\$	142,910	\$	-	\$	-	\$	627,643
@Implied 25% Federal allocation				\$	54,834	\$	106,744	\$	47,637	\$	-	\$	-	\$	209,214

TOTAL FUND ANALYSIS														
25% Federal allocation from Federal Fund Analysis	\$	54,834	\$	106,744	\$	47,637	\$	-	\$	-	\$	-	\$	209,214
75% State allocation from State Fund Analysis	\$	164,502	\$	320,232	\$	142,910	\$	-	\$	-	\$	-	\$	627,643
Total Federal + State fund	\$	219,335	\$	426,975	\$	190,547	\$	-	\$	-	\$	-	\$	836,858

Module release date: 11/4/1997

COST OF NETWORK ELEMENTS

Missouri
Miller Telephone Company - Mo

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	\$ 1,119	\$ 2,320	\$ 3,765	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,204
Unit Cost/month	0.60	0.61	0.53	-	-	-	-	-	-	0.56
Loop Distribution (DLC)										
Annual Cost	\$ 119,942	\$ 280,088	\$ 237,519	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 637,549
Unit Cost/month	63.99	73.08	33.54	-	-	-	-	-	-	49.85
Loop Distribution (non-DLC)										
Annual Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unit Cost/month	-	-	-	-	-	-	-	-	-	-
Loop Distribution (all)										
Annual Cost	\$ 119,942	\$ 280,088	\$ 237,519	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 637,549
Unit Cost/month	63.99	73.08	33.54	-	-	-	-	-	-	49.85
Loop Concentration (DLC)										
Annual Cost	\$ 30,866	\$ 50,427	\$ 39,209	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 120,501
Unit Cost/month	16.47	13.16	5.54	-	-	-	-	-	-	9.42
Loop Concentration (non-DLC)										
Annual Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unit Cost/month	-	-	-	-	-	-	-	-	-	-
Loop Concentration (all)										
Annual Cost	\$ 30,866	\$ 50,427	\$ 39,209	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 120,501
Unit Cost/month	16.47	13.16	5.54	-	-	-	-	-	-	9.42
Loop Feeder (DLC)										
Annual Cost	\$ 96,800	\$ 147,440	\$ 67,666	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 311,906
Unit Cost/month	51.64	38.47	9.56	-	-	-	-	-	-	24.39
Loop Feeder (non-DLC)										
Annual Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unit Cost/month	-	-	-	-	-	-	-	-	-	-
Loop Feeder (all)										
Annual Cost	\$ 96,800	\$ 147,440	\$ 67,666	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 311,906
Unit Cost/month	51.64	38.47	9.56	-	-	-	-	-	-	24.39
Total Loop (DLC)										
Annual Cost	\$ 248,727	\$ 480,274	\$ 348,158	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,077,159
Unit Cost/month	132.70	125.31	49.17	-	-	-	-	-	-	84.23
Total Loop (non-DLC)										
Annual Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unit Cost/month	-	-	-	-	-	-	-	-	-	-
Total Loop (all)										
Annual Cost	\$ 248,727	\$ 480,274	\$ 348,158	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,077,159
Unit Cost/month	132.70	125.31	49.17	-	-	-	-	-	-	84.23
Total lines	156	319	590	-	-	-	-	-	-	1,066
Total lines served by DLC	156	319	590	-	-	-	-	-	-	1,066

	Annual Cost	Units	Unit Cost
End office switching	\$ 182,808		
Line Port	54,842	1,048 switched lines	\$ 4.36 per line/month
Non-Line Port	127,966	11,937,083 actual minutes	\$ 0.01072 per actual minute (for rate per DEM, see "Cost detail" sheet)
Signaling network elements	\$ 6,536		
Links	4,132	2 links	\$ 175.07 per link per month
STP	1,574	6,748,904 TCAP+ISUP msgs	\$ 0.00023 per signaling message
SCP	830	685,400 TCAP queries	\$ 0.00121 per query
Transport network elements			
<i>Dedicated</i>			
Sw+Sp Transport	\$ 32,078	19 trunks	\$ 143.07 per DS-0 equivalent per month
Switched	1,717	1 trunks	\$ 0.01424 per minute
Special	30,361	18 trunks	
Transmission Terminal	6,749	19 trunks	\$ 30.10 per DS-0 equivalent per month
			\$ 0.00300 per minute
			\$ 0.01724 total per minute
<i>Common</i>			
Transport	\$ 90,994	5,173,352 minutes	\$ 0.01424 per minute per leg (orig or term)
Transmission Terminal	19,145	5,173,352 minutes	\$ 0.00300 per minute
			\$ 0.01724 total per minute
<i>Direct</i>			
Transport	\$ 30,904	694,624 minutes	\$ 0.04449 per minute
Transmission Terminal	6,502	694,624 minutes	\$ 0.00936 per minute
			\$ 0.05385 total per minute
Tandem switch	\$ 1,478	4,513,893 minutes	\$ 0.00033 per minute
Operator systems	\$ 17,842		
Public Telephones	\$ 2,433		
Total (w/ Public)	\$ 1,474,628		
Total cost of switched network elements (w/o Public)	\$ 112.72	per line/month	

	interconnected at		
	end office	tandem	wtd average
Local interconnection			
EO switching	\$ 0.01072	\$ 0.01072	
ISUP	\$ 0.00105	\$ 0.00105	
Common Transport	\$ -	\$ 0.01724	
Tandem Switching	\$ -	\$ 0.00033	
TOTAL	\$ 0.01177	\$ 0.02934	n/a

IXC switched access			
EO switching	\$ 0.01072	\$ 0.01072	
ISUP	\$ 0.00105	\$ 0.00105	
Dedicated Transport	\$ 0.01724	\$ 0.01724	
Common Transport	\$ -	\$ 0.01724	
Tandem Switching	\$ -	\$ 0.00033	
TOTAL	\$ 0.02901	\$ 0.04658	\$ 0.04658

Signaling detail			
cost per 800 call attempt (TCAP)	\$ 0.0029		
ISUP cost/transaction	\$ 0.00549		
ISUP cost/completion	0.0078		
IXC switched access MOU/comp	7.47		
ISUP cost/min	\$ 0.001050		
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 127,966
Total DEMs 17,270,000
Cost per DEM \$ 0.00741

Dedicated Transport Costs Per Trunk			
DS-0 per month			
Transport per month	\$ 143.07		
Terminal per month *	\$ 373.27		
TOTAL	\$ 516.34		

DS-1 per month			
Transport per month	\$ 3,433.75		
Terminal per month	\$ 722.45		
TOTAL	\$ 4,156.20		

DS-3 per month			
Transport per month	\$ 96,145.08		
Terminal per month	\$ 2,043.29		
TOTAL	\$ 98,188.38		

Trunk Port Costs			
per trunk port (DS-0 equivalent) per month	\$ 2.86		
per trunk port minute	\$ 0.000285		

total EO usage per minute	\$ 0.010720		
trk port/min	\$ 0.000285		
other	\$ 0.010435		

	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)	34.0%	35.1%	16.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	24.5%
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	23,882		
Total Lines	1,066		
Total Dedicated Terminal Investment per line	\$ 22		
Entrance Facility percent to total	\$ -		
Terminal Investment per DS-0	\$ 1,278		
Transport Investment per DS-0	\$ 6,548		

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	\$ 707	\$ 1,465	\$ 2,411	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,583
Network Expenses	\$ 152	\$ 315	\$ 475	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	942
Direct expense	\$ 859	\$ 1,780	\$ 2,886	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,525
Investment	\$ 4,419	\$ 9,155	\$ 15,071	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	28,644
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 255	\$ 528	\$ 855	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,638
Total	\$ 1,113	\$ 2,307	\$ 3,742	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7,163
with carrier-to-carrier	\$ 1,114	\$ 2,310	\$ 3,749	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7,172
Distribution (DLC)										
Annual Capital Cost	\$ 73,995	\$ 172,799	\$ 146,263	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	393,057
Network Expenses	\$ 18,045	\$ 42,124	\$ 35,835	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	96,004
Direct expense	\$ 92,040	\$ 214,923	\$ 182,098	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	489,061
Investment	\$ 458,242	\$ 1,071,015	\$ 907,656	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,436,914
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 27,278	\$ 63,698	\$ 53,969	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	144,945
Total	\$ 119,319	\$ 278,620	\$ 236,067	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	634,006
with carrier-to-carrier	\$ 119,422	\$ 278,873	\$ 236,489	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	634,785
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	\$ 73,995	\$ 172,799	\$ 146,263	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	393,057
Network Expenses	\$ 18,045	\$ 42,124	\$ 35,835	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	96,004
Direct expense	\$ 92,040	\$ 214,923	\$ 182,098	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	489,061
Investment	\$ 458,242	\$ 1,071,015	\$ 907,656	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,436,914
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 27,278	\$ 63,698	\$ 53,969	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	144,945
Total	\$ 119,319	\$ 278,620	\$ 236,067	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	634,006
with carrier-to-carrier	\$ 119,422	\$ 278,873	\$ 236,489	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	634,785
Concentrator (DLC)										
Annual Capital Cost	\$ 21,947	\$ 35,852	\$ 27,845	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	85,644
Network Expenses	\$ 1,738	\$ 2,842	\$ 2,215	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,796
Direct expense	\$ 23,685	\$ 38,694	\$ 30,060	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	92,440
Investment	\$ 112,850	\$ 184,413	\$ 143,414	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	440,677
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 7,020	\$ 11,468	\$ 8,909	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	27,397
Total	\$ 30,705	\$ 50,163	\$ 38,969	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	119,837
with carrier-to-carrier	\$ 30,732	\$ 50,208	\$ 39,039	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	119,979
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	\$ 21,947	\$ 35,852	\$ 27,845	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	85,644
Network Expenses	\$ 1,738	\$ 2,842	\$ 2,215	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,796
Direct expense	\$ 23,685	\$ 38,694	\$ 30,060	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	92,440
Investment	\$ 112,850	\$ 184,413	\$ 143,414	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	440,677
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 7,020	\$ 11,468	\$ 8,909	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	27,397
Total	\$ 30,705	\$ 50,163	\$ 38,969	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	119,837
with carrier-to-carrier	\$ 30,732	\$ 50,208	\$ 39,039	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	119,979
Feeder (DLC)										
Annual Capital Cost	\$ 59,124	\$ 90,103	\$ 41,592	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	190,819
Network Expenses	\$ 15,158	\$ 23,034	\$ 10,285	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	48,476
Direct expense	\$ 74,281	\$ 113,137	\$ 51,677	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	239,295
Investment	\$ 380,177	\$ 578,476	\$ 262,073	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,220,726
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 22,015	\$ 33,531	\$ 15,375	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	70,921
Total	\$ 96,297	\$ 146,668	\$ 67,252	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	310,216
with carrier-to-carrier	\$ 96,380	\$ 146,801	\$ 67,372	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	310,553
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	\$ 59,124	\$ 90,103	\$ 41,592	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	190,819
Network Expenses	\$ 15,158	\$ 23,034	\$ 10,285	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	48,476
Direct expense	\$ 74,281	\$ 113,137	\$ 51,877	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	239,295
Investment	\$ 380,177	\$ 578,476	\$ 262,073	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,220,726
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 22,015	\$ 33,531	\$ 15,375	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	70,921
Total	\$ 96,297	\$ 146,668	\$ 67,252	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	310,216
with carrier-to-carrier	\$ 96,380	\$ 146,801	\$ 67,372	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	310,553
End Office Switching										
Annual Capital Cost	\$ 15,141	\$ 30,962	\$ 55,488	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	101,592
Network Expenses	\$ 5,169	\$ 10,571	\$ 18,944	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	34,685
Direct expense	\$ 20,311	\$ 41,533	\$ 74,432	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	136,276
Investment	\$ 94,325	\$ 192,882	\$ 345,669	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	632,876
Support expenses	\$ 3,966	\$ 8,151	\$ 16,254	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	28,371
Subtotal, with misc spt	\$ 24,277	\$ 49,684	\$ 90,887	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	164,648
Total, with var overhead	\$ 26,802	\$ 54,851	\$ 100,118	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	181,771
with carrier-to-carrier	\$ 26,825	\$ 54,900	\$ 100,291	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	182,016
Signaling										
Annual Capital Cost	\$ 573	\$ 1,171	\$ 2,098	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,841
Network Expenses	\$ 154	\$ 314	\$ 563	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,031
Direct expense	\$ 726	\$ 1,485	\$ 2,661	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,872
Investment	\$ 3,567	\$ 7,295	\$ 13,073	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	23,935
Support expenses	\$ 142	\$ 291	\$ 581	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,014
Subtotal, with misc spt	\$ 868	\$ 1,776	\$ 3,242	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,887
Total, with var overhead	\$ 958	\$ 1,961	\$ 3,579	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,499
with carrier-to-carrier	\$ 959	\$ 1,963	\$ 3,586	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,508
Dedicated Transport										
Annual Capital Cost	\$ 2,794	\$ 5,713	\$ 10,555	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	19,063
Network Expenses	\$ 710	\$ 1,453	\$ 2,684	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,847
Direct expense	\$ 3,504	\$ 7,166	\$ 13,239	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	23,910
Investment	\$ 17,933	\$ 36,670	\$ 67,747	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	122,349
Support expenses	\$ 684	\$ 1,406	\$ 2,891	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,982
Subtotal, with misc spt	\$ 4,189	\$ 8,572	\$ 16,130	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	28,891
Total, with var overhead	\$ 4,624	\$ 9,464	\$ 17,808	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	31,896
with carrier-to-carrier	\$ 4,628	\$ 9,472	\$ 17,839	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	31,939
Dedicated Transport Transmission										
Annual Capital Cost	\$ 684	\$ 1,398	\$ 2,583	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,665
Network Expenses	\$ 54	\$ 110	\$ 202	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	365
Direct expense	\$ 737	\$ 1,508	\$ 2,785	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,031
Investment	\$ 3,500	\$ 7,158	\$ 13,224	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	23,882
Support expenses	\$ 144	\$ 296	\$ 608	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,048
Subtotal, with misc spt	\$ 881	\$ 1,804	\$ 3,394	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,079
Total, with var overhead	\$ 973	\$ 1,991	\$ 3,747	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,711
with carrier-to-carrier	\$ 974	\$ 1,993	\$ 3,753	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,720
Direct Transport										
Annual Capital Cost	\$ 2,692	\$ 5,504	\$ 10,169	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	18,365
Network Expenses	\$ 684	\$ 1,400	\$ 2,586	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,670
Direct expense	\$ 3,376	\$ 6,904	\$ 12,754	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	23,034
Investment	\$ 17,276	\$ 35,327	\$ 65,267	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	117,870
Support expenses	\$ 659	\$ 1,355	\$ 2,785	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,799
Subtotal, with misc spt	\$ 4,035	\$ 8,259	\$ 15,540	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	27,834
Total, with var overhead	\$ 4,455	\$ 9,117	\$ 17,156	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	30,728
with carrier-to-carrier	\$ 4,459	\$ 9,126	\$ 17,185	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	30,770
Direct Transport Transmission										
Annual Capital Cost	\$ 659	\$ 1,347	\$ 2,489	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,494
Network Expenses	\$ 52	\$ 106	\$ 195	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	352
Direct expense	\$ 710	\$ 1,453	\$ 2,683	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,846
Investment	\$ 3,372	\$ 6,896	\$ 12,740	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	23,007
Support expenses	\$ 139	\$ 285	\$ 586	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,010
Subtotal, with misc spt	\$ 849	\$ 1,738	\$ 3,269	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,856
Total, with var overhead	\$ 937	\$ 1,918	\$ 3,610	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,465
with carrier-to-carrier	\$ 938	\$ 1,920	\$ 3,616	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,474
Common Transport										
Annual Capital Cost	\$ 7,925	\$ 16,207	\$ 29,942	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	54,074
Network Expenses	\$ 2,015	\$ 4,121	\$ 7,613	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	13,749
Direct expense	\$ 9,941	\$ 20,327	\$ 37,555	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	67,823
Investment	\$ 50,868	\$ 104,019	\$ 192,174	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	347,061
Support expenses	\$ 1,941	\$ 3,989	\$ 8,201	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	14,132
Subtotal, with misc spt	\$ 11,882	\$ 24,317	\$ 45,756	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	81,954
Total, with var overhead	\$ 13,118	\$ 26,846	\$ 50,514	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	90,478
with carrier-to-carrier	\$ 13,129	\$ 26,870	\$ 50,601	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	90,600

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	\$ 1,940	\$ 3,966	\$ 7,327	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	13,233
Network Expenses	\$ 152	\$ 311	\$ 574	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,036
Direct expense	\$ 2,091	\$ 4,277	\$ 7,901	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	14,270
Investment	\$ 9,929	\$ 20,304	\$ 37,511	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	67,744
Support expenses	\$ 408	\$ 839	\$ 1,725	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,973
Subtotal, with misc spt	\$ 2,500	\$ 5,116	\$ 9,627	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	17,243
Total, with var overhead	\$ 2,760	\$ 5,648	\$ 10,628	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	19,036
with carrier-to-carrier	\$ 2,762	\$ 5,653	\$ 10,646	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	19,062
Tandem Switching										
Annual Capital Cost	\$ 107	\$ 219	\$ 392	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	718
Network Expenses	\$ 57	\$ 117	\$ 209	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	383
Direct expense	\$ 164	\$ 336	\$ 602	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,101
Investment	\$ 687	\$ 1,405	\$ 2,519	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,611
Support expenses	\$ 32	\$ 66	\$ 131	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	229
Subtotal, with misc spt	\$ 196	\$ 402	\$ 733	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,331
Total, with var overhead	\$ 217	\$ 443	\$ 809	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,469
with carrier-to-carrier	\$ 217	\$ 444	\$ 811	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,471
Operator Systems										
Annual Capital Cost	\$ 1,295	\$ 2,648	\$ 4,745	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	8,688
Network Expenses	\$ 738	\$ 1,510	\$ 2,706	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,954
Direct expense	\$ 2,033	\$ 4,158	\$ 7,451	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	13,643
Investment	\$ 8,238	\$ 16,845	\$ 30,188	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	55,271
Support expenses	\$ 336	\$ 691	\$ 1,400	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,426
Subtotal, with misc spt	\$ 2,369	\$ 4,849	\$ 8,851	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	16,069
Total, with var overhead	\$ 2,616	\$ 5,353	\$ 9,771	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	17,740
with carrier-to-carrier	\$ 2,618	\$ 5,358	\$ 9,789	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	17,765
Public Telephone										
Annual Capital Cost	\$ 145	\$ 297	\$ 532	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	973
Network Expenses	\$ 133	\$ 273	\$ 489	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	895
Direct expense	\$ 279	\$ 570	\$ 1,021	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,869
Investment	\$ 709	\$ 1,451	\$ 2,600	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,760
Support expenses	\$ 46	\$ 95	\$ 192	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	332
Subtotal, with misc spt	\$ 325	\$ 664	\$ 1,212	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,201
Total, with var overhead	\$ 358	\$ 733	\$ 1,338	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,430
with carrier-to-carrier	\$ 359	\$ 734	\$ 1,341	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,433
Totals										
Annual Capital Cost	\$ 189,727	\$ 369,651	\$ 344,432	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	903,810
Network Expenses	\$ 45,012	\$ 88,598	\$ 85,576	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	219,186
Total	\$ 234,739	\$ 458,249	\$ 430,007	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,122,996
Investment	\$ 1,166,092	\$ 2,273,311	\$ 2,110,925	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,550,328
Supporting Network Expenses										
Capital Cost - Genl Support	\$ 9,780	\$ 19,066	\$ 17,704	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	46,549
Network Operations	\$ 4,859	\$ 9,935	\$ 18,356	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	33,150
Network Support	\$ 676	\$ 1,319	\$ 1,237	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,232
Other Taxes	\$ 13,676	\$ 26,720	\$ 25,539	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	65,934
Misc Expenses	\$ 9,787	\$ 19,105	\$ 17,928	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	46,819
Subtotal	\$ 38,776	\$ 76,145	\$ 80,763	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	195,684
Carrier-carrier customer svc	\$ 264	\$ 540	\$ 997	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,801
Interoffice/Switching Net Ops	\$ 1,251	\$ 2,557	\$ 4,724	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	8,532
Interoffice/Sw Exp	\$ 41,561	\$ 84,988	\$ 154,614	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	281,163
Total Network Costs										
	\$ 274,766	\$ 536,951	\$ 515,495	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,327,212
Other costs										
Other Taxes	\$ 13,676	\$ 26,720	\$ 25,539	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	65,934
Monthly Cost Factors										
Loop	0.02207	0.02209	0.02223	-	-	-	-	-	-	0.02229
Port	0.00735	0.00735	0.00735	-	-	-	-	-	-	0.00735
Switching	0.00975	0.00975	0.00975	-	-	-	-	-	-	0.00975
Signaling	0.00543	0.00543	0.00543	-	-	-	-	-	-	0.00543
Transport	0.00463	0.00463	0.00449	-	-	-	-	-	-	0.00455
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										
	99.9149%	99.9109%	99.8279%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	99.8651%

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	\$ 1,474	0%	100%	\$ -	\$ 1,474
Furniture - Expenses	\$ 1,132	0%	100%	\$ -	\$ 1,132
Office Equipment - Capital Costs	\$ 4,208	0%	100%	\$ -	\$ 4,208
Office Equipment - Expenses	\$ 2,398	0%	100%	\$ -	\$ 2,398
General Purpose Computer - Capital Costs	\$ 8,792	0%	100%	\$ -	\$ 8,792
General Purpose Computer - Expenses	\$ 23,180	0%	100%	\$ -	\$ 23,180
Motor Vehicles - Capital Costs	\$ 5,306	0%	100%	\$ -	\$ 5,306
Motor Vehicles - Expenses	\$ 1,854	0%	100%	\$ -	\$ 1,854
Buildings - Capital Costs	\$ 10,605	0%	100%	\$ -	\$ 10,605
Buildings - Expenses	\$ 7,742	0%	100%	\$ -	\$ 7,742
Garage Work Eqpt. - Capital Costs	\$ 155	0%	100%	\$ -	\$ 155
Garage Work Eqpt. - Expenses	\$ 54	0%	100%	\$ -	\$ 54
Other Work Eqpt. - Capital Costs	\$ 3,712	0%	100%	\$ -	\$ 3,712
Other Work Eqpt. - Expenses	\$ 470	0%	100%	\$ -	\$ 470
Total General Support	\$ 71,081			\$ -	\$ 71,081
Network Operations	\$ 24,392	0%	100%	\$ -	\$ 24,392
Other Taxes	\$ 48,515	0%	100%	\$ -	\$ 48,515
Variable Overhead	\$ 100,912	0%	100%	\$ -	\$ 100,912
Totals	\$ 143,988			\$ -	\$ 244,900

	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	\$ 190,866	\$ 368,534	\$ 266,921	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 826,321
Non-Loop-related direct costs	\$ 43,873	\$ 89,715	\$ 163,086	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 296,675
Total	\$ 234,739	\$ 458,249	\$ 430,007	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,122,996
Loop Fraction	81.31%	80.42%	62.07%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	73.58%
Network Operations	\$ 4,859	\$ 9,935	\$ 18,356	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 33,150

	Total Annual Amount	Amount Assigned to Loops	Amount Assigned to Other UNEs
General Support - Totals			
Furniture - Capital Costs	\$ 2,003	\$ 1,474	\$ 529
Furniture - Expenses	\$ 1,538	\$ 1,132	\$ 406
Office Equipment - Capital Costs	\$ 5,718	\$ 4,208	\$ 1,511
Office Equipment - Expenses	\$ 3,258	\$ 2,398	\$ 861
General Purpose Computer - Capital Costs	\$ 11,949	\$ 8,792	\$ 3,157
General Purpose Computer - Expenses	\$ 31,502	\$ 23,180	\$ 8,322
Motor Vehicles - Capital Costs	\$ 7,211	\$ 5,306	\$ 1,905
			\$ 46,549
			\$ 50,051

Exp Assignment

Motor Vehicles - Expenses	\$ 2,519	\$ 1,854	\$ 666	
Buildings - Capital Costs	\$ 14,412	\$ 10,605	\$ 3,807	
Buildings - Expenses	\$ 10,521	\$ 7,742	\$ 2,780	
Garage Work Eqpt. - Capital Costs	\$ 211	\$ 155	\$ 56	
Garage Work Eqpt. - Expenses	\$ 74	\$ 54	\$ 19	
Other Work Eqpt. - Capital Costs	\$ 5,045	\$ 3,712	\$ 1,333	
Other Work Eqpt. - Expenses	\$ 639	\$ 470	\$ 169	
Total General Support	\$ 96,601	\$ 71,081	\$ 25,520	
Network Operations	\$ 33,150	\$ 24,392	\$ 8,758	
Other Taxes Calculation				
Total Direct Costs	\$ 1,122,996	\$ 826,321	\$ 296,675	\$ 1,122,996
Total Network Operations	\$ 33,150	\$ 24,392	\$ 8,758	\$ 33,150
Total General Support	\$ 96,601	\$ 71,081	\$ 25,520	\$ 115,985
Total	\$ 1,252,746	\$ 921,794	\$ 330,952	
Other Taxes	\$ 65,934	\$ 48,515	\$ 17,419	\$ 181,919
Total Expenses and Other Taxes	\$ 1,318,680	\$ 970,309	\$ 348,371	
Variable Overhead Calculation				
Variable Overhead	\$ 137,143	\$ 100,912	\$ 36,231	
Total Cost with Variable Overhead	1,455,823	1,071,221	384,601	

UNE Expense Assignment

Totals

NID

per line cost \$ -
per direct cost \$ 1,638
total \$ 1,638

Distribution (DLC)

per line cost \$ -
per direct cost \$ 144,945
total \$ 144,945

Distribution (non-DLC)

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

Concentrator (DLC)

per line cost \$ -
per direct cost \$ 27,397
total \$ 27,397

Concentrator (non-DLC)

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

Feeder (DLC)

per line cost \$ -
per direct cost \$ 70,921
total \$ 70,921

Feeder (non-DLC)

Exp Assignment

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

End Office Switching	\$	176,665
Signaling	\$	6,316
Dedicated Transport	\$	30,996
Dedicated Transport Transmission	\$	6,521
Direct Transport	\$	29,861
Direct Transport Transmission	\$	6,283
Common Transport	\$	87,924
Common Transport Transmission	\$	18,499
Tandem Switching	\$	1,428
Operator Systems	\$	17,686
Public Telephone	\$	2,422

COST SUMMARY

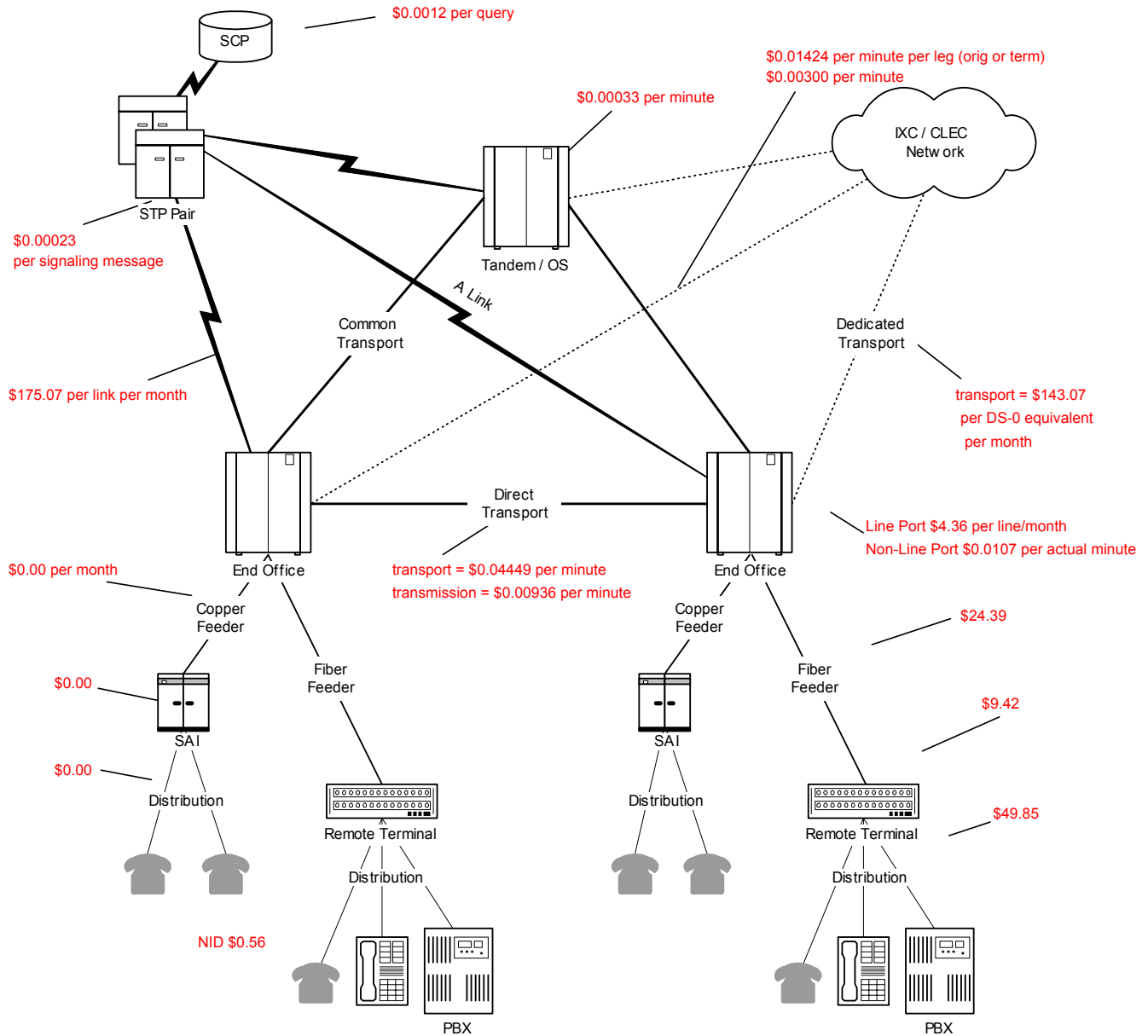
Missouri Miller Telephone Company - Mo

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	\$ 28,644	0.5%	\$ 4,583	\$ 942	\$ 5,525	\$ 1,638	\$ 7,163	\$ 7,172
<i>Distribution (DLC)</i>	2,436,914	43.9%	393,057	96,004	489,061	144,945	634,006	634,785
<i>Distribution (non-DLC)</i>	-	0.0%	-	-	-	-	-	-
Distribution (all)	2,436,914	43.9%	393,057	96,004	489,061	144,945	634,006	634,785
<i>Concentrator (DLC)</i>	440,677	7.9%	85,644	6,796	92,440	27,397	119,837	119,979
<i>Concentrator (non-DLC)</i>	-	0.0%	-	-	-	-	-	-
Concentrator (all)	440,677	7.9%	85,644	6,796	92,440	27,397	119,837	119,979
<i>Feeder (DLC)</i>	1,220,726	22.0%	190,819	48,476	239,295	70,921	310,216	310,553
<i>Feeder (non-DLC)</i>	-	0.0%	-	-	-	-	-	-
Feeder (all)	1,220,726	22.0%	190,819	48,476	239,295	70,921	310,216	310,553
End Office Switching	632,876	11.4%	101,592	34,685	136,276	28,371	164,648	182,016
Signaling	23,935	0.4%	3,841	1,031	4,872	1,014	5,887	6,508
Dedicated Transport	122,349	2.2%	19,063	4,847	23,910	4,982	28,891	31,939
Dedicated Transport Transmission	23,882	0.4%	4,665	365	5,031	1,048	6,079	6,720
Direct Transport	117,870	2.1%	18,365	4,670	23,034	4,799	27,834	30,770
Direct Transport Transmission	23,007	0.4%	4,494	352	4,846	1,010	5,856	6,474
Common Transport	347,061	6.3%	54,074	13,749	67,823	14,132	81,954	90,600
Common Transport Transmission	67,744	1.2%	13,233	1,036	14,270	2,973	17,243	19,062
Tandem Switching	4,611	0.1%	718	383	1,101	229	1,331	1,471
Operator Systems	55,271	1.0%	8,688	4,954	13,643	2,426	16,069	17,765
Public Telephone	4,760	0.1%	973	895	1,869	332	2,201	2,433
Total Network Cost								
Total	\$ 5,550,328	100%	\$ 903,810	\$ 219,186	\$ 1,122,996	\$ 306,218	\$ 1,429,214	\$ 1,468,246

* Post sharing

Unbundled Network Elements

Missouri / Miller Telephone Company - MO



USOA Detail Breakdown of HAI Model Costs

USOA	INVESTMENT DESCRIPTION	Cost \$(000)
Telecommunications Plant in Service		
2111	LAND	15
2112	MOTOR VEHICLES	38
2113	AIRCRAFT	
2114	SPECIAL PURPOSE VEHICLES	
2115	GARAGE WORK EQUIPMENT	1
2116	OTHER WORK EQUIPMENT	29
2121	BUILDINGS	184
2122	FURNITURE	13
2123.1	OFFICE SUPPORT EQUIPMENT	32
2123.2	COMPANY COMMUNICATIONS EQUIPMENT	
2124	GENERAL PURPOSE COMPUTERS	49
2110	TOTAL LAND & SUPPORT ASSETS	362
2212	DIGITAL ELECTRONIC SWITCHING	543
2220	OPERATOR SYSTEMS	2
2232	CIRCUIT EQUIPMENT	554
2351	PUBLIC TEL TERMINAL EQUIPMENT	5
2411	POLES	117
2421.1	AERIAL CABLE - METALLIC	50
2421.2	AERIAL CABLE - NonMETALLIC	58
2422.1	UNDERGROUND CABLE - METALLIC	0
2422.2	UNDERGROUND CABLE - NonMETALLIC	0
2423.1	BURIED CABLE - METALLIC	2,344
2423.2	BURIED CABLE - NonMETALLIC	1,773
2426.1	INTRABUILDING NETWORK CABLE - MET.	
2426.2	INTRABUILDING NETWORK CABLE - NonMET.	
2441	CONDUIT SYSTEMS	0
2410	TOTAL CABLE & WIRE FACILITIES	4,342
	Total TPIS (before amortizable assets)*	5,808

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

**Miller Telephone Company - MO
Missouri**

USOA	EXPENSE DESCRIPTION	Cost \$(000)
Plant Specific Expenses		
6112	MOTOR VEHICLES	3
6113	AIRCRAFT	1
6114	SPECIAL PURPOSE VEHICLES	0
6115	GARAGE WORK EQUIPMENT	0
6116	OTHER WORK EQUIPMENT	1
6110	NETWORK SUPPORT	4
6121	LAND & BUILDINGS	22
6122	FURNITURE	2
6123	OFFICE EQUIPMENT	4
6124	GENERAL PURPOSE COMPUTERS	38
6120	LAND & SUPPORT ASSETS	66
6212	DIGITAL ELECTRONIC SWITCHING	26
6220	OPERATOR SYSTEMS	3
6232	CIRCUIT EQUIPMENT	9
6351	PUBLIC TEL TERMINAL EQUIPMENT	1
6411	POLES	5
6421	AERIAL CABLE	7
6422	UNDERGROUND CABLE	0
6423	BURIED CABLE	159
6426	INTRABUILDING NETWORK CABLE	
6441	CONDUIT SYSTEMS	0
6410	TOTAL CABLE & WIRE FACILITIES	171
	Total Plant Specific Expenses	279
Plant Nonspecific Operations		
	TOTAL NETWORK OPERATIONS SUPPORT	42
6561	DEPRECIATION TPIS	338
6623	CUSTOMER SERVICES	2
	Total Plant Nonspecific Operations	382
	TOTAL CORPORATE OPERATIONS	138
	TOTAL OPERATING EXPENSES	799
7240	OPERATING OTHER TAXES	66
	TOTAL EXPENSES & OPERATING TAXES	865

USOA Depreciation Calculations

	<u>Depl life</u>	<u>DepFact</u>	<u>Dep Exp</u>
2111			
2112	10.45	0.09589	4
2113			
2114			
2115	9.97	0.10031	0
2116	13.92	0.07189	2
2121	48.73	0.02052	4
2122	18.36	0.05449	1
2123.1	12.44	0.08052	3
2123.2	7.99	0.12517	-
2124	6.61	0.15223	8
2110			
2212	17.17	0.05827	32
2220	9.25	0.10829	0
2232	9.90	0.10108	56
2351	8.98	0.11145	1
2411	8.38	0.11972	14
2421.1	13.61	0.07355	4
2421.2	18.92	0.05286	3
2422.1	17.88	0.05596	-
2422.2	20.14	0.04966	-
2423.1	18.36	0.05450	128
2423.2	21.97	0.04551	81
2426.1	13.57	0.07377	-
2426.2	21.37	0.04681	-
2441	46.15	0.02167	-
<i>Total Depreciation</i>			338

Network Element Disaggregations

Investment Disaggregations:

<i>Terminal, Drop, and NID</i>	178,878
Aerial-m portion	3,724
Buried-m portion	175,153

<i>OS Trks + Signaling links</i>	66,995
Circuit Eqpt. portion	11,166
Pole portion	1,043
Aerial-nm portion	1,611
Underground-nm portion	-
Buried-nm portion	53,175
Conduit portion	-

<i>SAI</i>	12,400
Aerial-m portion	-
Aerial-nm portion	407
Underground-m portion	-
Underground-nm portion	-
Buried-m portion	-
Buried-nm portion	11,993

Expense Disaggregations:

<i>Terminal, Drop, and NID</i>	6,765
Aerial portion	326
Buried portion	6,439

<i>OS Trks + Signaling links</i>	2,597
Circuit Eqpt. portion	433
Pole portion	42
Aerial-nm portion	99
Underground-nm portion	-
Buried-nm portion	2,023
Conduit portion	-

<i>SAI</i>	243
Aerial portion	8
Underground portion	-
Buried portion	235

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	\$ 2,639	\$ 5,145	\$ 4,777	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	12,561
office equipment	6,745	13,149	12,210	-	-	-	-	-	-	32,104
general purpose computers	10,372	20,221	18,776	-	-	-	-	-	-	49,369
motor vehicles	7,936	15,472	14,367	-	-	-	-	-	-	37,774
buildings	20,045	39,079	36,287	-	-	-	-	-	-	95,411
garage work equipment	228	444	412	-	-	-	-	-	-	1,084
orther work equipment	6,184	12,057	11,195	-	-	-	-	-	-	29,437
										-
TOTAL	\$ 54,150	\$ 105,566	\$ 98,025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	257,740
Levelized Cost of Capital										
furniture	\$ 421	\$ 820	\$ 762	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,003
office equipment	1,201	2,342	2,175	-	-	-	-	-	-	5,718
general purpose computers	2,510	4,894	4,545	-	-	-	-	-	-	11,949
motor vehicles	1,515	2,953	2,742	-	-	-	-	-	-	7,211
buildings	3,028	5,903	5,481	-	-	-	-	-	-	14,412
garage work equipment	44	86	80	-	-	-	-	-	-	211
orther work equipment	1,060	2,066	1,919	-	-	-	-	-	-	5,045
TOTAL	\$ 9,780	\$ 19,066	\$ 17,704	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	46,549

Distribution

	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	
Fiber Feeder										
Distribution Investment										
buried cable	\$ 162,138	\$ 339,140	\$ 410,205	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	911,483
aerial cable	8,205	17,163	20,759	-	-	-	-	-	-	46,128
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	243,400	620,946	393,480	-	-	-	-	-	-	1,257,827
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	15,098	33,134	23,010	-	-	-	-	-	-	71,243
terminal	13,113	26,814	24,849	-	-	-	-	-	-	64,776
drop	16,288	33,818	35,353	-	-	-	-	-	-	85,458
TOTAL	\$ 458,242 18.80%	\$ 1,071,015 43.95%	\$ 907,656 37.25%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	2,436,914 100.00%
Levelized Cost of Capital										
buried cable	\$ 25,857	\$ 54,085	\$ 65,418	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	145,361
aerial cable	1,417	2,963	3,584	-	-	-	-	-	-	7,965
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	38,817	99,027	62,751	-	-	-	-	-	-	200,595
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	3,200	7,022	4,877	-	-	-	-	-	-	15,099
terminal	2,098	4,290	3,976	-	-	-	-	-	-	10,364
drop	2,606	5,411	5,657	-	-	-	-	-	-	13,674
TOTAL	\$ 73,995	\$ 172,799	\$ 146,263	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	393,057
Network Expenses										
buried cable	6,304	13,185	15,948	-	-	-	-	-	-	35,437
aerial cable	516	1,079	1,306	-	-	-	-	-	-	2,901
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	9,463	24,141	15,298	-	-	-	-	-	-	48,902
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	623	1,368	950	-	-	-	-	-	-	2,940
terminal	508	1,039	963	-	-	-	-	-	-	2,511
drop	631	1,311	1,370	-	-	-	-	-	-	3,312
TOTAL	\$ 18,045	\$ 42,124	\$ 35,835	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	96,004
Summary										
Cost of Capital	\$ 73,995	\$ 172,799	\$ 146,263	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	393,057
Network Expense	18,045	42,124	35,835	-	-	-	-	-	-	96,004
TOTAL	\$ 92,040	\$ 214,923	\$ 182,098	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	489,061
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	\$ 162,138	\$ 339,140	\$ 410,205	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	911,483
aerial cable	\$ 8,205	\$ 17,163	\$ 20,759	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	46,128
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried trenching	\$ 243,400	\$ 620,946	\$ 393,480	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,257,827
conduit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
underground trenching	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
poles	\$ 15,098	\$ 33,134	\$ 23,010	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	71,243
terminal	\$ 13,113	\$ 26,814	\$ 24,849	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	64,776
drop	\$ 16,288	\$ 33,818	\$ 35,353	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	85,458
TOTAL	\$ 458,242	\$ 1,071,015	\$ 907,656	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,436,914
	18.80%	43.95%	37.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
buried cable	\$ 25,857	\$ 54,085	\$ 65,418	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	145,361
aerial cable	\$ 1,417	\$ 2,963	\$ 3,584	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7,965
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried trenching	\$ 38,817	\$ 99,027	\$ 62,751	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	200,595
conduit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
underground trenching	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
poles	\$ 3,200	\$ 7,022	\$ 4,877	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	15,099
terminal	\$ 2,098	\$ 4,290	\$ 3,976	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	10,364
drop	\$ 2,606	\$ 5,411	\$ 5,657	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	13,674
TOTAL	\$ 73,995	\$ 172,799	\$ 146,263	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	393,057
Network Expenses										
buried cable	\$ 6,304	\$ 13,185	\$ 15,948	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	35,437
aerial cable	\$ 516	\$ 1,079	\$ 1,306	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,901
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried trenching	\$ 9,463	\$ 24,141	\$ 15,298	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	48,902
conduit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
underground trenching	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
poles	\$ 623	\$ 1,368	\$ 950	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,940
terminal	\$ 508	\$ 1,039	\$ 963	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,511
drop	\$ 631	\$ 1,311	\$ 1,370	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,312
TOTAL	\$ 18,045	\$ 42,124	\$ 35,835	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	96,004
Summary										
Cost of Capital	\$ 73,995	\$ 172,799	\$ 146,263	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	393,057
Network Expense	\$ 18,045	\$ 42,124	\$ 35,835	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	96,004
TOTAL	\$ 92,040	\$ 214,923	\$ 182,098	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	489,061
NID Cost										
NID Investment	\$ 4,419	\$ 9,155	\$ 15,071	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	28,644
Levelized Cost of Capital	\$ 707	\$ 1,465	\$ 2,411	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,583
Network Expenses	\$ 152	\$ 315	\$ 475	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	942
TOTAL	\$ 859	\$ 1,780	\$ 2,886	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,525

Concentrator

	0-5		5-100		100-200		200-650		650-850		850-2550		2550-5000		5000-10000		>10000		Totals	
	lines/sq m		lines/sq m		lines/sq m		lines/sq m		lines/sq m		lines/sq m		lines/sq m		lines/sq m		lines/sq m			
Fiber Feeder																				
Concentrator Investment																				
DLC Investment	\$	110,100	\$	179,563	\$	138,614	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	428,277	
SAI Investment		2,750		4,850		4,800		-		-		-		-		-		-	12,400	
																			\$	-
TOTAL	\$	112,850	\$	184,413	\$	143,414	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	440,677	
		25.61%			41.85%			32.54%			0.00%			0.00%			0.00%			100.00%
Levelized Cost of Capital																				
DLC	\$	21,507	\$	35,076	\$	27,077	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	83,660	
SAI		440		776		768		-		-		-		-		-		-	1,984	
																			\$	-
TOTAL	\$	21,947	\$	35,852	\$	27,845	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	85,644	
Network Expenses																				
DLC	\$	1,685	\$	2,747	\$	2,121	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	6,553	
SAI		54		95		94		-		-		-		-		-		-	243	
																			\$	-
TOTAL	\$	1,738	\$	2,842	\$	2,215	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	6,796	
Summary																				
Cost of Capital	\$	21,947	\$	35,852	\$	27,845	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	85,644	
Network Expense		1,738		2,842		2,215		-		-		-		-		-		-	6,796	
																			\$	-
TOTAL	\$	23,685	\$	38,694	\$	30,060	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	92,440	

	0-5		5-100		100-200		200-650		650-850		850-2550		2550-5000		5000-10000		>10000		Totals
	lines/sq m		lines/sq m		lines/sq m		lines/sq m		lines/sq m		lines/sq m		lines/sq m		lines/sq m		lines/sq m		
Copper Feeder																			
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		5-100		100-200		200-650		650-850		850-2550		2550-5000		5000-10000		>10000		Totals
	lines/sq m		lines/sq m		lines/sq m		lines/sq m		lines/sq m		lines/sq m		lines/sq m		lines/sq m		lines/sq m		
Total																			
Concentrator Investment																			
DLC Investment	\$	110,100	\$	179,563	\$	138,614	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	428,277
SAI Investment		2,750		4,850		4,800		-		-		-		-		-		-	12,400
TOTAL	\$	112,850	\$	184,413	\$	143,414	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	440,677
		25.61%		41.85%		32.54%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%	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	\$	21,507	\$	35,076	\$	27,077	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	83,660
SAI		440		776		768		-		-		-		-		-		-	1,984
TOTAL	\$	21,947	\$	35,852	\$	27,845	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	85,644
Network Expenses																			
DLC	\$	1,685	\$	2,747	\$	2,121	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	6,553
SAI		54		95		94		-		-		-		-		-		-	243
TOTAL	\$	1,738	\$	2,842	\$	2,215	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	6,796
Summary																			
Cost of Capital	\$	21,947	\$	35,852	\$	27,845	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	85,644
Network Expense		1,738		2,842		2,215		-		-		-		-		-		-	6,796
TOTAL	\$	23,685	\$	38,694	\$	30,060	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	92,440

Feeder

	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	
Fiber Feeder										
Feeder Investment										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	307,778	439,912	43,882	-	-	-	-	-	-	791,572
fiber buried cable	15,216	21,632	2,161	-	-	-	-	-	-	39,009
fiber aerial cable	-	-	-	-	-	-	-	-	-	-
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	52,283	106,912	197,519	-	-	-	-	-	-	356,714
poles	4,900	10,020	18,511	-	-	-	-	-	-	33,431
TOTAL	\$ 380,177	\$ 578,476	\$ 262,073	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,220,726
	31.14%	47.39%	21.47%	0.00%	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	47,589	68,020	6,785	-	-	-	-	-	-	122,395
fiber aerial cable	2,412	3,429	342	-	-	-	-	-	-	6,183
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	8,084	16,531	30,541	-	-	-	-	-	-	55,156
poles	1,038	2,124	3,923	-	-	-	-	-	-	7,085
TOTAL	\$ 59,124	\$ 90,103	\$ 41,592	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	190,819
Network Expenses										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	11,966	17,103	1,706	-	-	-	-	-	-	30,775
fiber aerial cable	957	1,360	136	-	-	-	-	-	-	2,453
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	2,033	4,157	7,679	-	-	-	-	-	-	13,868
poles	202	414	764	-	-	-	-	-	-	1,380
TOTAL	\$ 15,158	\$ 23,034	\$ 10,285	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	48,476
Summary										
Cost of Capital	\$ 59,124	\$ 90,103	\$ 41,592	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	190,819
Network Expense	15,158	23,034	10,285	-	-	-	-	-	-	48,476
TOTAL	\$ 74,281	\$ 113,137	\$ 51,877	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	239,295

	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	
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	307,778	439,912	43,882	-	-	-	-	-	-	791,572
fiber aerial cable	15,216	21,632	2,161	-	-	-	-	-	-	39,009
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	52,283	106,912	197,519	-	-	-	-	-	-	356,714
poles	4,900	10,020	18,511	-	-	-	-	-	-	33,431
TOTAL	\$ 380,177	\$ 578,476	\$ 262,073	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,220,726
	31.14%	47.39%	21.47%	0.00%	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	47,589	68,020	6,785	-	-	-	-	-	-	122,395
fiber aerial cable	2,412	3,429	342	-	-	-	-	-	-	6,183
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	8,084	16,531	30,541	-	-	-	-	-	-	55,156
poles	1,038	2,124	3,923	-	-	-	-	-	-	7,085
TOTAL	\$ 59,124	\$ 90,103	\$ 41,592	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	190,819
Network Expenses										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	11,966	17,103	1,706	-	-	-	-	-	-	30,775
fiber aerial cable	957	1,360	136	-	-	-	-	-	-	2,453
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	2,033	4,157	7,679	-	-	-	-	-	-	13,868
poles	202	414	764	-	-	-	-	-	-	1,380
TOTAL	\$ 15,158	\$ 23,034	\$ 10,285	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	48,476
Summary										
Cost of Capital	\$ 59,124	\$ 90,103	\$ 41,592	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	190,819
Network Expense	15,158	23,034	10,285	-	-	-	-	-	-	48,476
TOTAL	\$ 74,281	\$ 113,137	\$ 51,877	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	239,295

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	\$ 79,420	\$ 162,405	\$ 291,050	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	532,876
MDF/protector	-	-	-	-	-	-	-	-	-	-
wire center	12,669	25,906	46,426	-	-	-	-	-	-	85,000
land	2,236	4,572	8,193	-	-	-	-	-	-	15,000
TOTAL	\$ 94,325	\$ 192,882	\$ 345,669	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	632,876
	14.90%	30.48%	54.62%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
end office switching	\$ 12,852	\$ 26,280	\$ 47,097	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	86,228
MDF/protector	-	-	-	-	-	-	-	-	-	-
wire center	1,914	3,913	7,013	-	-	-	-	-	-	12,840
land	376	769	1,378	-	-	-	-	-	-	2,524
TOTAL	\$ 15,141	\$ 30,962	\$ 55,488	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	101,592
Network Expenses										
end office switching	\$ 3,772	\$ 7,714	\$ 13,825	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	25,312
MDF/protector	-	-	-	-	-	-	-	-	-	-
wire center	1,397	2,857	5,119	-	-	-	-	-	-	9,373
land	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 5,169	\$ 10,571	\$ 18,944	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	34,685
Summary										
Cost of Capital	\$ 15,141	\$ 30,962	\$ 55,488	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	101,592
Network Expense	5,169	10,571	18,944	-	-	-	-	-	-	34,685
TOTAL	\$ 20,311	\$ 41,533	\$ 74,432	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	136,276

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	\$ 390	\$ 799	\$ 1,431	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,620
SCP wire center	62	128	229	-	-	-	-	-	-	419
STP	859	1,757	3,148	-	-	-	-	-	-	5,764
signaling links	2,255	4,612	8,265	-	-	-	-	-	-	15,132
TOTAL	\$ 3,567	\$ 7,295	\$ 13,073	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	23,935
	14.90%	30.48%	54.62%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
SCP	\$ 63	\$ 129	\$ 232	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	424
SCP wire center	9	19	35	-	-	-	-	-	-	63
STP	139	284	509	-	-	-	-	-	-	933
signaling links	361	738	1,322	-	-	-	-	-	-	2,421
TOTAL	\$ 573	\$ 1,171	\$ 2,098	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,841
Network Expenses										
SCP	\$ 19	\$ 38	\$ 68	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	124
SCP wire center	7	14	25	-	-	-	-	-	-	46
STP	41	83	150	-	-	-	-	-	-	274
signaling links	87	179	320	-	-	-	-	-	-	587
TOTAL	\$ 154	\$ 314	\$ 563	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,031
Summary										
Cost of Capital	\$ 573	\$ 1,171	\$ 2,098	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,841
Network Expense	154	314	563	-	-	-	-	-	-	1,031
TOTAL	\$ 726	\$ 1,485	\$ 2,661	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,872

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	17,080	34,927	64,527	-	-	-	-	-	-	116,534
aerial cable	517	1,058	1,955	-	-	-	-	-	-	3,531
poles	335	685	1,265	-	-	-	-	-	-	2,285
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 17,933	\$ 36,670	\$ 67,747	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	122,349
Levelized Cost of Capital										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	2,641	5,400	9,977	-	-	-	-	-	-	18,019
aerial cable	82	168	310	-	-	-	-	-	-	560
poles	71	145	268	-	-	-	-	-	-	484
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 2,794	\$ 5,713	\$ 10,555	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	19,063
Network Expenses										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	664	1,358	2,509	-	-	-	-	-	-	4,531
aerial cable	33	67	123	-	-	-	-	-	-	222
poles	14	28	52	-	-	-	-	-	-	94
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 710	\$ 1,453	\$ 2,684	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,847
Summary										
Cost of Capital	\$ 2,794	\$ 5,713	\$ 10,555	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	19,063
Network Expense	710	1,453	2,684	-	-	-	-	-	-	4,847
TOTAL	\$ 3,504	\$ 7,166	\$ 13,239	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	23,910
Transmission Terminal										
investment	\$ 3,500	\$ 7,158	\$ 13,224	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	23,882
levelized cost of capital	684	1,398	2,583	-	-	-	-	-	-	4,665
network expenses	54	110	202	-	-	-	-	-	-	365
TOTAL	\$ 737	\$ 1,508	\$ 2,785	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,031

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	16,455	33,648	62,164	-	-	-	-	-	-	112,267
aerial cable	499	1,019	1,883	-	-	-	-	-	-	3,401
poles	323	660	1,219	-	-	-	-	-	-	2,201
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 17,276	\$ 35,327	\$ 65,267	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	117,870
Levelized Cost of Capital										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	2,544	5,203	9,612	-	-	-	-	-	-	17,359
aerial cable	79	162	299	-	-	-	-	-	-	539
poles	68	140	258	-	-	-	-	-	-	467
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 2,692	\$ 5,504	\$ 10,169	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	18,365
Network Expenses										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	640	1,308	2,417	-	-	-	-	-	-	4,365
aerial cable	31	64	118	-	-	-	-	-	-	214
poles	13	27	50	-	-	-	-	-	-	91
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 684	\$ 1,400	\$ 2,586	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,670
Summary										
Cost of Capital	\$ 2,692	\$ 5,504	\$ 10,169	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	18,365
Network Expense	684	1,400	2,586	-	-	-	-	-	-	4,670
TOTAL	\$ 3,376	\$ 6,904	\$ 12,754	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	23,034
Transmission Terminal										
investment	\$ 3,372	\$ 6,896	\$ 12,740	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	23,007
levelized cost of capital	659	1,347	2,489	-	-	-	-	-	-	4,494
network expenses	52	106	195	-	-	-	-	-	-	352
TOTAL	\$ 710	\$ 1,453	\$ 2,683	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,846

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	48,450	99,075	183,040	-	-	-	-	-	-	330,565
aerial cable	1,468	3,002	5,546	-	-	-	-	-	-	10,015
poles	950	1,942	3,589	-	-	-	-	-	-	6,481
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 50,868	\$ 104,019	\$ 192,174	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	347,061
Levelized Cost of Capital										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	7,492	15,319	28,302	-	-	-	-	-	-	51,113
aerial cable	233	476	879	-	-	-	-	-	-	1,587
poles	201	412	761	-	-	-	-	-	-	1,374
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 7,925	\$ 16,207	\$ 29,942	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	54,074
Network Expenses										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	1,884	3,852	7,116	-	-	-	-	-	-	12,852
aerial cable	92	189	349	-	-	-	-	-	-	630
poles	39	80	148	-	-	-	-	-	-	267
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 2,015	\$ 4,121	\$ 7,613	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	13,749
Summary										
Cost of Capital	\$ 7,925	\$ 16,207	\$ 29,942	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	54,074
Network Expense	2,015	4,121	7,613	-	-	-	-	-	-	13,749
TOTAL	\$ 9,941	\$ 20,327	\$ 37,555	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	67,823
Transmission Terminal										
investment	\$ 9,929	\$ 20,304	\$ 37,511	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	67,744
levelized cost of capital	1,940	3,966	7,327	-	-	-	-	-	-	13,233
network expenses	152	311	574	-	-	-	-	-	-	1,036
TOTAL	\$ 2,091	\$ 4,277	\$ 7,901	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	14,270

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	\$ 297	\$ 607	\$ 1,088	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,991
wire center	390	799	1,431	-	-	-	-	-	-	2,620
TOTAL	\$ 687	\$ 1,405	\$ 2,519	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,611
Levelized Cost of Capital										
tandem switching	\$ 48	\$ 98	\$ 176	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	322
wire center	59	121	216	-	-	-	-	-	-	396
TOTAL	\$ 107	\$ 219	\$ 392	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	718
Network Expenses										
tandem switching	\$ 14	\$ 29	\$ 52	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	95
wire center	43	88	158	-	-	-	-	-	-	289
TOTAL	\$ 57	\$ 117	\$ 209	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	383
Summary										
Cost of Capital	\$ 107	\$ 219	\$ 392	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	718
Network Expense	57	117	209	-	-	-	-	-	-	383
TOTAL	\$ 164	\$ 336	\$ 602	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,101

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	\$ 125	\$ 256	\$ 458	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	838
OS Tandem Wire Center	156	319	572	-	-	-	-	-	-	1,048
OS Trunks	7,730	15,806	28,327	-	-	-	-	-	-	51,863
OS Position	227	464	831	-	-	-	-	-	-	1,522
TOTAL	\$ 8,238	\$ 16,845	\$ 30,188	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	55,271
Levelized Cost of Capital										
OS Tandem Switching	\$ 20	\$ 41	\$ 74	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	136
OS Tandem Wire Center	24	48	86	-	-	-	-	-	-	158
OS Trunks	1196.182993	2446.047032	4383.616767	0	0	0	0	0	0	8,026
OS Position	55	112	201	-	-	-	-	-	-	368
TOTAL	\$ 1,295	\$ 2,648	\$ 4,745	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	8,688
Network Expenses										
OS Tandem Switching	\$ 6	\$ 12	\$ 22	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	40
OS Tandem Wire Center	17	35	63	-	-	-	-	-	-	116
OS Trunks	300	613	1,098	-	-	-	-	-	-	2,010
OS Position	15	31	56	-	-	-	-	-	-	103
Operator Wages	400	819	1,467	-	-	-	-	-	-	2,686
TOTAL	\$ 738	\$ 1,510	\$ 2,706	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,954
Summary										
Cost of Capital	\$ 1,295	\$ 2,648	\$ 4,745	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	8,688
Network Expense	738	1,510	2,706	-	-	-	-	-	-	4,954
TOTAL	\$ 2,033	\$ 4,158	\$ 7,451	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	13,643

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	\$ 709	\$ 1,451	\$ 2,600	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,760
	14.90%	30.48%	54.62%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital	\$ 145	\$ 297	\$ 532	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	973
Network Expenses	\$ 133	\$ 273	\$ 489	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	895
Summary										
Cost of Capital	\$ 145	\$ 297	\$ 532	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	973
Network Expense	133	273	489	-	-	-	-	-	-	895
TOTAL	\$ 279	\$ 570	\$ 1,021	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,869

DeprecLife	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
CCCFact	1.08310	0.58381	0.41833	0.33629	0.28763	0.25565	0.23320	0.21670	0.20416	0.19439	0.18663	0.18036	0.17525	0.17104	0.16754	0.16462	0.16217	0.16010	0.15836	0.15689	0.15565	0.15460	0.15371	0.15297	0.15234	0.15182	0.15139	0.15104	0.15076	0.15053	0.15036	0.15023	0.15013
DeprecFact	1.00000	0.50000	0.33333	0.25000	0.20000	0.16667	0.14286	0.12500	0.11111	0.10000	0.90909	0.83333	0.76923	0.7143	0.66667	0.62500	0.58832	0.55556	0.52632	0.50000	0.47462	0.44945	0.42448	0.40167	0.38000	0.35946	0.33974	0.32071	0.30244	0.28493	0.26826	0.25243	0.23743
RORFact	0.05841	0.05891	0.05974	0.06065	0.06160	0.06255	0.06350	0.06446	0.06540	0.06635	0.06728	0.06820	0.06912	0.07002	0.07090	0.07178	0.07264	0.07349	0.07432	0.07513	0.07593	0.07671	0.07748	0.07823	0.07896	0.07968	0.08038	0.08106	0.08173	0.08238	0.08301	0.08363	0.08423
TaxGUFact	0.02469	0.02490	0.02525	0.02564	0.02604	0.02644	0.02684	0.02725	0.02765	0.02804	0.02844	0.02883	0.02922	0.02960	0.02997	0.03034	0.03070	0.03106	0.03141	0.03176	0.03210	0.03243	0.03275	0.03307	0.03338	0.03368	0.03398	0.03427	0.03455	0.03482	0.03509	0.03535	0.03560
COE	13.19%																																
COD	8.80%																																
NPV-EoP	0.97081	0.99366	1.01497	1.03485	1.05342	1.07077	1.08699	1.10217	1.11639	1.12971	1.14220	1.15392	1.16492	1.17526	1.18498	1.19413	1.20275	1.21087	1.21853	1.22576	1.23258	1.23904	1.24514	1.25092	1.25639	1.26158	1.26650	1.27117	1.27561	1.27982	1.28384	1.28766	1.29130
NPV-BoP	1.08002	1.10544	1.12915	1.15127	1.17192	1.19123	1.20928	1.22616	1.24198	1.25680	1.27069	1.28373	1.29597	1.30747	1.31829	1.32847	1.33806	1.34709	1.35561	1.36365	1.37125	1.37842	1.38521	1.39164	1.39773	1.40350	1.40897	1.41417	1.41911	1.42380	1.42826	1.43252	1.43657
Pm-EoP	1.14077	0.61490	0.44061	0.35420	0.30295	0.26927	0.24562	0.22824	0.21503	0.20474	0.19657	0.18997	0.18459	0.18015	0.17646	0.17339	0.17080	0.16863	0.16679	0.16524	0.16393	0.16283	0.16190	0.16111	0.16045	0.15991	0.15946	0.15909	0.15879	0.15855	0.15836	0.15823	0.15813
Pm-BoP	1.02542	0.55272	0.39605	0.31838	0.27231	0.24204	0.22078	0.20516	0.19329	0.18404	0.17669	0.17076	0.16592	0.16193	0.15862	0.15585	0.15353	0.15158	0.14993	0.14854	0.14736	0.14636	0.14552	0.14482	0.14423	0.14374	0.14333	0.14300	0.14273	0.14252	0.14235	0.14223	0.14214
Year																																	
1	1.08002	0.62004	0.46671	0.39004	0.34404	0.31338	0.29147	0.27505	0.26227	0.25205	0.24368	0.23671	0.23082	0.22576	0.22138	0.21755	0.21416	0.21116	0.20847	0.20605	0.20386	0.20187	0.20005	0.19838	0.19685	0.19543	0.19412	0.19290	0.19177	0.19071	0.18973	0.18880	0.18793
2		0.54001		0.35003	0.31203	0.28670	0.26861	0.25504	0.24448	0.23604	0.22913	0.22338	0.21850	0.21433	0.21071	0.20754	0.20475	0.20227	0.20004	0.19804	0.19624	0.19459	0.19309	0.19171	0.19045	0.18928	0.18819	0.18719	0.18625	0.18538	0.18456	0.18380	0.18308
3			0.36001	0.31002	0.28002	0.26003	0.24575	0.23503	0.22670	0.22004	0.21458	0.21004	0.20619	0.20290	0.20004	0.19754	0.19534	0.19338	0.19162	0.19004	0.18861	0.18732	0.18613	0.18504	0.18404	0.18312	0.18227	0.18147	0.18073	0.18004	0.17940	0.17879	0.17823
4				0.27001	0.24001	0.23335	0.22288	0.21503	0.20892	0.20403	0.20003	0.19670	0.19388	0.19147	0.18937	0.18754	0.18592	0.18448	0.18320	0.18204	0.18099	0.18004	0.17917	0.17837	0.17764	0.17697	0.17634	0.17576	0.17522	0.17471	0.17424	0.17379	0.17338
5					0.21600	0.20668	0.20002	0.19502	0.19114	0.18803	0.18548	0.18336	0.18157	0.18003	0.17870	0.17753	0.17651	0.17559	0.17477	0.17404	0.17337	0.17277	0.17221	0.17171	0.17124	0.17081	0.17041	0.17004	0.16970	0.16937	0.16907	0.16879	0.16853
6						0.18000	0.17715	0.17502	0.17335	0.17202	0.17093	0.17003	0.16926	0.16860	0.16803	0.16753	0.16709	0.16670	0.16635	0.16604	0.16575	0.16549	0.16525	0.16504	0.16484	0.16465	0.16448	0.16432	0.16418	0.16404	0.16391	0.16379	0.16368
7							0.15429	0.15501	0.15557	0.15602	0.15638	0.15669	0.15695	0.15717	0.15736	0.15753	0.15768	0.15781	0.15793	0.15803	0.15813	0.15822	0.15830	0.15837	0.15844	0.15850	0.15856	0.15861	0.15866	0.15870	0.15875	0.15879	0.15883
8								0.13500	0.13779	0.14001	0.14183	0.14335	0.14464	0.14574	0.14669	0.14753	0.14826	0.14892	0.14950	0.15003	0.15051	0.15094	0.15134	0.15170	0.15203	0.15234	0.15263	0.15289	0.15314	0.15337	0.15359	0.15379	0.15398
9									0.12000	0.12401	0.12728	0.13001	0.13232	0.13430	0.13602	0.13752	0.13885	0.14003	0.14108	0.14203	0.14289	0.14367	0.14438	0.14503	0.14563	0.14619	0.14670	0.14718	0.14762	0.14803	0.14842	0.14879	0.14913
10										0.10800	0.11273	0.11668	0.12001	0.12293	0.12535	0.12732	0.12943	0.13113	0.13266	0.13403	0.13526	0.13639	0.13742	0.13836	0.13923	0.14003	0.14077	0.14146	0.14210	0.14270	0.14326	0.14378	0.14428
11											0.09818	0.10334	0.10770	0.11144	0.11468	0.11752	0.12002	0.12224	0.12423	0.12602	0.12764	0.12912	0.13046	0.13169	0.13283	0.13388	0.13484	0.13574	0.13658	0.13736	0.13810	0.13878	0.13943
12												0.09000	0.09539	0.10001	0.10401	0.10751	0.11060	0.11335	0.11581	0.11802	0.12002	0.12184	0.12350	0.12503	0.12643	0.12772	0.12892	0.13003	0.13106	0.13203	0.13293	0.13378	0.13458
13													0.08308	0.08858	0.09334	0.09751	0.10119	0.10446	0.10739	0.11002	0.11240	0.11457	0.11654	0.11836	0.12002	0.12156	0.12299	0.12431	0.12554	0.12670	0.12777	0.12878	0.12973
14														0.07714	0.08267	0.08751	0.09177	0.09557	0.09896	0.10202	0.10478	0.10729	0.10959	0.11169	0.11362	0.11541	0.11706	0.11860	0.12003	0.12136	0.12261	0.12378	0.12488
15															0.07200	0.07750	0.08236	0.08668	0.09054	0.09401	0.09716	0.10002	0.10263	0.10502	0.10722	0.10925	0.11113	0.11288	0.11451	0.11603	0.11745	0.11878	0.12003
16																0.06750	0.07295	0.07778	0.08211	0.08601	0.08954	0.09274	0.09567	0.09835	0.10082	0.10310	0.10521	0.10716	0.10899	0.11069	0.11228	0.11378	0.11518
17																	0.06353	0.06889	0.07369	0.07801	0.08192	0.08547	0.08871	0.09168	0.09442	0.09694	0.09928	0.10145	0.10347	0.10536	0.10712	0.10877	0.11033
18																		0.06000	0.06527	0.07001	0.07429	0.07819	0.08175	0.08501	0.08801	0.09079	0.09335	0.09573	0.09795	0.10002	0.10196	0.10377	0.10548
19																			0.05684	0.06200	0.06667	0.07092	0.07479	0.07834	0.08161	0.08463	0.08742	0.09002	0.09243	0.09469	0.09679	0.09877	0.10063
20																				0.05400	0.05905	0.06364	0.06783	0.07168	0.07521	0.07847	0.08149	0.08430	0.08691	0.08935	0.09163	0.09377	0.09578
21																					0.05143	0.05637	0.06087	0.06501	0.06881	0.07232	0.07557	0.07858	0.08139	0.08402	0.08647	0.08877	0.09093
22																						0.04909	0.05392	0.05834	0.06241	0.06616	0.06964	0.07287	0.07587	0.07868	0.08131	0.08377	0.08608
23																							0.04696	0.05167	0.05600	0.06001	0.06371	0.06715	0.07036	0.07335	0.07614	0.07876	0.08123
24																								0.04500	0.04960	0.05385	0.05778	0.06144	0.06484	0.06801	0.07098	0.07376	0.07638
25																									0.04320	0.04770	0.05186	0.05572	0.05932	0.06268	0.06582	0.06876	0.07153
26																										0.04154	0.04593	0.05000	0.05380	0.05734	0.06065	0.06376	0.06668
27																											0.04000	0.04429	0.04828	0.05201	0.05549	0.05876	0.06183
28																																	

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	0.02090	0.02107	0.02124	0.02141	0.02158	0.02175	0.02192	0.02209	0.02226	0.02243	0.02260	0.02277	0.02294	0.02311	0.02328	0.02345	0.02362	0.02379	0.02396	0.02413	0.02430	0.02447	0.02464	0.02481	0.02498	0.02515	0.02532	0.02549	0.02566	
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	
Fax-GuFact	0.15086	0.15083	0.15080	0.15082	0.15084	0.15086	0.15087	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	0.16051	0.16063	0.16077	0.16088	
COE	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	
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	
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	
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	0.16051	0.16063	0.16077	0.16088	0.16099	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	
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
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	
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	
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	
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	
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	
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	
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	
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	0.15641	0.15651	0.15661	0.15671	0.15681	0.15691	0.15701	0.15711	0.15721	0.15731	0.15741	0.15751	0.15761	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	0.12566	0.12624	0.12681	0.12737	0.12790	0.12842	0.12892	0.12941	0.12988	
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	
21	0.09296	0.09488	0.09669	0.09840	0.09992	0.10136	0.10274	0.10404	0.10524	0.10634	0.10734	0.10824	0.10914	0.11004	0.11084	0.11164	0.11234	0.11304	0.11374	0.11444	0.11514	0.11584	0.11654	0.11724	0.11794	0.11864	0.11934	0.12004	0.12074	0.12144	0.12214	0.12284	
22	0																																

Depreciated life	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
CCCFact	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	0.15950	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	0.14944	0.14967	0.14987
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	0.12709	0.12756	0.12802	0.12837	0.12870	0.12902	0.12934	0.12964	0.12994	0.13024	0.13054	0.13084	0.13109
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	0.10763	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	Miller Telephone Company - MO	
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	12,125	
intrastate DEMs, thousands	2,589	
interstate DEMs, thousands	2,556	17,270 total DEMs, thousands
Local call completion fraction	70.00%	
Total local calls attempted	2,747	1,923 Total local calls completed
Total intraLATA calls completed	164	
Total interLATA calls completed - intrastate	165	
Total interLATA calls completed - interstate	351	
local DEM fraction	68.21%	
local interoffice traffic fraction	12.03%	
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	2	
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	

May 4, 2006
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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	\$ 46,128
2421-nm	Aerial Cable - Non-Metall	22.24	-0.1753	18.92	\$ 49,024
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	\$ 911,483
2423-nm	Buried - Non-Metallic	23.86	-0.0858	21.97	\$ 1,350,939
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	\$ 957,610
Average Non-Metallic Cable (calculated)				21.85	\$ 1,399,963

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	2,589,000	
Interstate Toll DEMs	2,556,000	
trunk port usage	29,734,821	
trk-min/mo	10,044	
interLATA ded. trunks	43	
Common Transport MOU		
Local	28,352	w/o OS usage
Intrastate Toll	2,589,000	
Interstate Toll	2,556,000	
	5,173,352	
Intrastate IntraLATA Calls	164	49.85% SOCCC message counts
Intrastate InterLATA Calls	165	50.15%
	329	

Calculation of EO Usage

Local DEMs, incl OS	12,125,000		70.2% of total DEMs	
Intraoffice Local DEMs	10,665,833			
Intraoffice Local Actual Min	5,332,917			
Interoffice Local Actual Min	1,459,167	per end	Dedicated Transport MOU	694,624
Intrastate Toll Actual Min	2,589,000		Local, w/o OS	-
Interstate Toll Actual Min	<u>2,556,000</u>		IntraLATA Toll	5,145,000
	11,937,083		InterLATA Toll	<u>5,839,624</u>
Tandem Switch MOU			Dedicated Trunk-SW	48
Local	14,176			
IntraLATA Toll	645,283			
InterLATA Toll	<u>3,854,435</u>			
	4,513,893			

TRANSFORMED REGULATED		1995 COMPANY NAME:	ICO	
		OTHER TAXES & UNCOLLECTIBLES CALCULATION	EXPENSES	NET REVENUES
		7230 OPERATING STATE & LOCAL INCOME TAX-NET	7	
		7240 OPERATING OTHER TAXES	28	
		5300 UNCOLLECTIBLE REVENUES		11
		530 NET REVENUES		679
		GROSS REVENUES (5300 + 530)		690
		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 LAND		9
		2121 BUILDINGS		135
6121		TOTAL LAND & BUILDINGS	15	144
				0.103180
6112	2112	2112 MOTOR VEHICLES	1	23
6113	2113	2113 AIRCRAFT	0	1
6114	2114	2114 SPECIAL PURPOSE VEHICLES	0	0
6115	2115	2115 GARAGE WORK EQUIPMENT	0	1
6116	2116	2116 OTHER WORK EQUIPMENT	0	18
6122	2122	2122 FURNITURE	1	9
6123	2123	2123 OFFICE EQUIPMENT	2	23
6124	2124	2124 GENERAL PRUPOSE COMPUTERS	22	35
6120	2110	2110 TOTAL LAND & SUPPORT ASSETS	41	254
				0.15965268
		TPIS - CENTRAL OFFICE SWITCHING		
		-		
6211	2211	2211 ANALOG ELECT SWITCH	1	15
6212	2212	2212 DIGITAL ELECTRONIC SWITCHING	25	444
6220	2220	2220 OPERATOR SYSTEMS	0	7
6210	2210	22102221022102210 CENTRAL OFFICE SWITCH	27	465
		TPIS - CENTRAL OFFICE TRANSMISSION		
		-		
6232	2232	2232 CIRCUIT EQUIPMENT	5	306
6230	2230	2230 TRANSMISSION	5	320
				0.016263483
		TPIS - INFORMATION ORIG/TERM		
		-		
6311	2311	2311 STATION APPARATUS	0	0
6321	2321	2321 CUSTOMER PREMISES WIRING	0	0
6341	2341	2341 LARGE PRIVATE BRANCH EXCHANGE	0	0
6351	2351	2351 PUBLIC TEL TERMINAL EQUIPMENT	2	10
6362	2362	2362 OTHER TERMINAL EQUIPMENT	3	17
6310	2310	2310 TOTAL INFORMATION ORIG/TERM	5	27
				0.182377792
		TPIS - CABLE & WIRE FACILITIES		
		-		
6411	2411	2411 POLES	2	53
6421	2421	2421 AERIAL CABLE	16	248
6422	2422	2422 UNDERGROUND CABLE	3	158
6423	2423	2423 BURIED CABLE	17	440
6441	2441	2441 CONDUIT SYSTEMS	0	90
6410	2410	2410 TOTAL CABLE & WIRE FACILITIES	39	999
				0.038842
		240 TOTAL TPIS(BEFORE AMORTIZABLE ASSETS) (2110+2210+2220+2230+2310+2410)	77	2,080
				0.037062996
		PLANT NON-SPECIFIC OPERATIONS EXPENSES	A. EXPENSES	B. TPIS INVESTMENT
		=	=	=
6512	240	6512 PROVISIONING EXPENSES	1	2,080
				0.000300
6531	240	6531 POWER EXPENSES	3	2,080
				0.001623
6532	240	6532 NETWORK ADMINISTRATION	9	2,080
				0.004102
6533	240	6533 TESTING	9	2,080
				0.004252
6534	240	6534 PLANT OPERATIONS ADMINISTRATION	13	2,080
				0.006391
6535	240	6535 ENGINEERING	7	2,080
				0.003373
6540	240	6540 ACCESS EXPENSE	12	2,080
				0.005573799
6530	240	6530 TOTAL NETWORK OPERATIONS EXPENSES	41	2,080
				0.019740601
6561	240	6561 DEPRECIATION - TPIS DEPRECIATION - TPIS	145 145 145 145	2,080 2,080 2,080 2,080
		NETWORK SUPPORT FACTOR CALCULATION	A. EXPENSES	B. CABLE & WIRE INV
		=	=	=
6112		2112 MOTOR VEHICLES	1	
6113		2113 AIRCRAFT	0	
6114		2114 SPECIAL PURPOSE VEHICLES	0	
6115		2115 GARAGE WORK EQUIPMENT	0	
6116		2116 OTHER WORK EQUIPMENT	0	
2410		TOTAL NETWORK SUPPORT (EXCL 2113)	1	999
				0.001041087
		CUSTOMER OPERATIONS EXPENSES	A. EXPENSES	B. NET REVENUES
		=	=	=
6611		6611 PRODUCT MANAGEMENT	6	CALC
6612		6612 SALES	11	CALC
6613		6613 PRODUCT ADVERTISING	4	CALC
6610		6610 TOTAL MARKETING EXPENSES	21	CALC
6621		6621 CALL COMPLETION SERVICE	5	CALC
6622		6622 NUMBER SERVICES	11	CALC
6623		6623 CUSTOMER SERVICES	37	CALC

6620	6620 TOTAL SERVICES EXPENSES	53	CALC
-	700 TOTAL CUSTOMER OPERATIONS EXPENSE (6610 + 6620)	74	CALC
	CORPORATE OPERATIONS EXPENSES	A. EXPENSES	B. REVENUES
			C. EXP/REV (A/B)
6711	6711 EXECUTIVE	3	CALC
6712	6712 PLANNING	1	CALC
6710	6710 TOTAL EXECUTIVE & PLANNING	4	CALC
6721	6721 ACCOUNTING & FINANCE	8	CALC
6722	6722 EXTERNAL RELATIONS	5	CALC
6723	6723 HUMAN RESOURCES	6	CALC
6724	6724 INFORMATION MANAGEMENT	23	CALC
6725	6725 LEGAL	2	CALC
6726	6726 PROCUREMENT	1	CALC
6727	6727 RESEARCH & DEVELOPMENT	1	CALC
6728	6728 OTHER GENERAL & ADMINISTRATIVE	20	CALC
6720	6720 TOTAL GENERAL & ADMINISTRATIVE	67	CALC
	710 TOTAL CORPORATE OPERATIONS EXPENSE (6710 + 6720 + 6790)	88	CALC
	720 TOTAL OPERATING EXPENSES		CALC
	DEM - LOCAL	12,125	
	DEM - INTRASTATE	2,589	
	DEM - INTERSTATE	2,556	
	MESSAGES - INTRALATA	164	
	MESSAGES - INTERLATA - interstate	352	
	MESSAGES - INTERLATA - intrastate	165,537,384	
4308 (EC)	LOCAL CALL ATTEMPTS	2,747	
	LINES - BUSINESS	267	
	RESIDENTIAL	723	
	PUBLIC	8	
	SPECIAL	66	
	TOTAL	1,066	
	5081 END USER		45
	5082 SWITCHED ACCESS		101
	5083 SPECIAL ACCESS		19
	TOTAL INTER ACCESS		165
	5084 END USER		
	5084 SWITCHED ACCESS		
	5084 SPECIAL ACCESS		
	STATE ACCESS		85
	TOTAL ACCESS REVENUES		250
	LD MESSAGE REVENUE		
	5100 INTERSTATE MESSAGE		
	5100 INTRASTATE MESSAGE		
	5100 INTERSTATE CALLING PLAN		
	5100 INTRASTATE CALLING PLAN		
	LD MSG REV (CLASS A)		72
	UNIDIRECTIONAL LD		
	5110 INTERSTATE		
	INTRASTATE		
	TOTAL		3
	5120 LD PRIVATE NETWORK		6
	OTHER LD		
	5160 INTERSTATE		
	INTRASTATE		
	TOTAL		1
	TOTAL LD NETWORK REVENUE		
	INTERSTATE		
	INTRASTATE		
	TOTAL		81
	BASIC LOCAL SERVICE		
	5001 BASIC AREA		220
	5002 OPTIONAL EXTEND AREA		7
	5003 CELLAR MOBIL		5
	5004 OTHER MOBIL SVC		0
	TOTAL BASIC SVC		232
	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				6
	5040 LOCAL PRIVATE LINE				8
	CUSTOMER PREMISE 5050 STATION APP CUSTOMER PREMISE WIRING TOTAL CUSTOMER PREMISES				1
	OTHER LOCAL EXCHANGE 5060 CO FEATURES INFO TRANSPORT DIRECTORY ASSIST INTERCEPT SRVC OTHER LOC EXCH TOTAL OTHER				54
	TOTAL LOCAL NETWORK SRVC REVENUE INTERSTATE INTRASTATE			301.3190563	
	TOTAL REVENUE			632.5105576	
	CAPITAL STRUCTURE PARAMETERS				
	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)			
DEM			0		
=	=	=	=	=	
UNCOLL RATE:	BA Lcl Svc	4303.Ln 520			301.3263928
	LD Ntwk Svs Rev	4303.Ln 525			81.7100985
	End User	4303.Ln 5081			45.21721266
	Sw Acc	4303.Ln 5082			101.237269
	Spcl Acc	4303.Ln 5083			18.63020181
	St Acc	4303.Ln 5084			85.03756305
	Uncoll Rev	4303.Ln 5300			10.71703447
	Tot Acc	4304.Ln4040 (P)			0.888329502
	B&C	4304.Ln4040 (Q)			0.087249096
	IX	4304.Ln4040 (R)			0.003153995
	Ln4040 (P+Q+R)	Calc (P+Q+R)			0.978732593
Uncoll -Acc	5300-(4040p..r)	1a			9.738301876
End User+ Rievs	5081+520+525	1b			428.2537039
Uncoll Retail Rate		1c=(a/b)			0.022739563
Uncoll Wholesale rate	4040p/(5082..5084)	2a			0.004335323

Actuals for 1996 (\$000s)

	Investments	Expenses	Calculated Factor	
Plant-Specific Operations Expenses				
TPIS - General Support				
2111 Land	\$ 9	\$ -	-	
2112 Motor Vehicles	\$ 23	\$ 1	0.0348	
2113 Aircraft	\$ 1	\$ 0	0.3125	
2114 Special Purpose Vehicles	\$ 0	\$ 0	0.0142	
2115 Garage Work Equipment	\$ 1	\$ 0	0.0353	
2116 Other Work Equipment	\$ 18	\$ 0	0.0113	
2121 Buildings	\$ 135	\$ 15	0.1103	Land & Bldg Exp Applied to Bldgs
2122 Furniture	\$ 9	\$ 1	0.1224	
2123 Office Equipment	\$ 23	\$ 2	0.1015	
2124 General Purpose Computers	\$ 35	\$ 22	0.6381	
2110 Total Land & Support Assets	\$ 254	\$ 42	0.1650	
TPIS - Central Office Switching				
2211 Analog Electronic Switching	\$ 15	\$ 1	0.0453	
2212 Digital Electronic Switching	\$ 444	\$ 25	0.0569	4.75% NET CO Switch Factor
2210 Total Central Office Switching	\$ 459	\$ 26	0.0565	
2220 Operator Systems	\$ 7	\$ 0	0.0675	
TPIS - Central Office Transmission				
2231 Satellite & Earth Station Facilities				
2231 Other Radio Facilities				
2231 Radio Systems				
2232 Circuit Equipment	\$ 306	\$ 5	0.0163	1.53% alternative factor
2230 Total Central Office Transmission	\$ 306	\$ 5	0.0163	
TPIS - Information Orig/Term				
2311 Station Apparatus	\$ 0	\$ 0	0.3824	
2321 Customer Premises Wiring	\$ -	\$ -	0.0000	
2341 Large Private Branch Exchange	\$ 0	\$ 0	4.5000	
2351 Public Telephone Terminal Equipment	\$ 10	\$ 2	0.1881	
2362 Other Terminal Equipment	\$ 17	\$ 3	0.1763	
2310 Total Information Orig/Term	\$ 27	\$ 5	0.1824	
TPIS - Cable & Wire Facilities				
2411 Poles	\$ 53	\$ 2	0.0413	
2421 Aerial Cable	\$ 248	\$ 16	0.0629	0.0629 0.0196 0.0389Alternative fiber cable maintenance factors
2422 Underground Cable	\$ 158	\$ 3	0.0196	
2423 Buried Cable	\$ 440	\$ 17	0.0389	
2424 Submarine Cable				
2425 Deep Sea Cable				
2426 Intrabuilding Network Cable				
2431 Aerial Wire				
2441 Conduit Systems	\$ 90	\$ 0	0.0037	
2410 Total Cable & Wire Facilities	\$ 989	\$ 38	0.0388	
240 Total TPIS (before amortizable assets)	\$ 1,786	\$ 116	0.0652	
Plant Non-Specific Operations Expenses				
	Expenses	Investment	Factor	
6512 Provisioning Expenses	\$ 1	\$ 1,786	0.0003	
6531 Power Expenses	\$ 3	\$ 1,786	0.0019	8.10% all
6532 Network Administration	\$ 9	\$ 1,786	0.0048	20.47% switching, interoffice
6533 Testing	\$ 9	\$ 1,786	0.0050	21.22% all
6534 Plant Operations Administration	\$ 13	\$ 1,786	0.0074	31.89% all
6535 Engineering	\$ 7	\$ 1,786	0.0039	16.83% all
6540 Access Expense				
6530 Total Network Operations Expenses (includes provisioning)	\$ 42	\$ 1,786	0.0233	per line network operations
Network Support Factor Calculation				(=total ARMIS 6530/total lines)
	Expenses	Cable & Wire Inv	Factor	total lines (from net. invest. inputs)
6112 Motor Vehicles	\$ 1			1,066
6113 Aircraft	\$ 0			
6114 Special Purpose Vehicles	\$ 0			
6115 Garage Work Equipment	\$ 0			
6116 Other Work Equipment	\$ 0			
Aircraft & Special Purpose Vehicles	\$ 1	\$ 989	0.0011	annual net ops per line
				\$ 39.11

Customer Operations Expenses

	Expenses		Net Revenues		Factor		
6611 Product Management *	\$	6	\$	0.4638	\$	356	0.0166
6612 Sales *	\$	11	\$	0.8522	\$	356	0.0306
6613 Product Advertising	\$	4			\$	356	0.0110
6610 Total Marketing Expenses	\$	21					0.0582
6621 Call Completion Service	\$	5			\$	356	0.0131
6622 Number Services	\$	11	\$	0.8863	\$	356	0.0318
6623 Customer Services	\$	37	\$	2.9168	\$	356	0.1046
6620 Total Services Expenses	\$	53	\$	4.23			0.1495
Billing/bill inquiry (per line/month)	\$	2.30					
Directory listing (per line/month)		-					
700 Total Customer Operations Expenses	\$	74.07			\$	356	0.2078
							0.2442

Corporate Operations Expenses

Corporate Operations Expense		Expenses	Revenues	Factor		
6711 Executive	\$	3	\$	356	0.0079	
6712 Planning	\$	1	\$	356	0.0039	
6710 Total Executive & Planning	\$	4	\$	356	0.0117	
6721 Accounting & Finance	\$	8	\$	356	0.0237	
6722 External Relations	\$	5	\$	356	0.0144	
6723 Human Resources	\$	6	\$	356	0.0171	
6724 Information Management	\$	23	\$	356	0.0653	
6725 Legal	\$	2	\$	356	0.0055	
6726 Procurement	\$	1	\$	356	0.0030	
6727 Research & Development	\$	1	\$	356	0.0038	
6728 Other General & Administrative	\$	20	\$	356	0.0554	
6720 Total General & Administrative	\$	67	\$	356	0.1880	
710 Total Corporate Operations Expense	\$	71	\$	356	0.1040	0.2347
720 Total Operating Expenses	\$	303				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	\$ 9	\$ 23	\$ 35	\$ 23	\$ 67	\$ 1	\$ 18
Investment/TPIS	0.005	0.013	0.020	0.013	0.038	0.000	0.010
Expense	\$ 1	\$ 2	\$ 22	\$ 1	\$ 7	\$ 0	\$ 0
Expense Factor	0.122	0.101	0.638	0.035	0.110	0.035	0.011
Model TPIS	\$ 5,550	\$ 5,550	\$ 5,550	\$ 5,550	\$ 5,550	\$ 5,550	\$ 5,550
Calculated Investment	\$ 28	\$ 70	\$ 108	\$ 72	\$ 209	\$ 2	\$ 56
Calculated Expense	\$ 3	\$ 7	\$ 69	\$ 3	\$ 23	\$ 0	\$ 1
Subtotal (\$s)	\$ 46,819						
Total Misc Expense	\$ 46,819						

Other Taxes & Uncollectibles Calculation

	Expenses		Net Revenues		Factor
7230 Operating State & Local Income Tax	\$	7	\$	(34)	
7240 Operating Other Taxes	\$	28	\$	(34)	0.0500
5300 Uncollectible Revenues	\$	11	\$	356	0.0301
retail					0.0227
wholesale					0.0043
Ratio of Net Plant to TPIS					
TPIS	\$	1,786			
Net Plant	\$	1,786			
Ratio	\$	1			
Model Investment	\$	-			
Model % of Net Plant	\$	-			
Model % of TPIS		0%			

Actual 1996 Revenue

		% of total
Interstate Access		
5081 End User	\$ 45	8.26%
5082 Switched Access	\$ 101	18.49%
5083 Special Access	\$ 19	3.40%
Total Inter Access	\$ 165	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	\$ 165	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	\$ 72	13.08%
Unidirectional LD Revenue		
5110 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 3	0.48%
LD Private Network Revenue		
5120 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 6	1.08%
Other Long Distance Revenue		
5160 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 1	0.17%
Total Long Distance Network Rev		
Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 81	14.81%

Basic Local Service		
5001 Basic Area	\$ 220	40.21%
5002 Optional Extended Area	\$ 7	1.23%
5003 Cellular Mobile	\$ 5	0.95%
5004 Other Mobile Svcs	\$ 0	0.08%
Total Basic Local Service	\$ 232	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	\$ 6	1.18%
Local Private Line Revenue		
5040 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total Private Line	\$ 8	1.40%
Customer Premises Revenue		
5050 Station Apparatus	\$ -	0.00%
Customer Premises Wiring	\$ -	0.00%
Total Customer Premises	\$ 1	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	\$ 54	9.89%
Total Local Network Service Revenue		
Interstate	\$ -	0.00%
Intrastate	\$ 301	55.04%
Total Revenue	\$ 547	100.00%

HAI Model Release 5.0a

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\HMWKMO4219201.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

HAI Model Release 5.0a
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

HAI Model Release 5.0a

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

HAI Model Release 5.0a

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

HAI Model Release 5.0a
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			

HAI Model Release 5.0a
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			

HAI Model Release 5.0a

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	2,747	2,747	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	164	164	Distribution Buried Shring Fraction - 100	1.00	1.00
InterLATA intrastate Calls Completed	165	165	Distribution Buried Shring Fraction - 200	1.00	1.00
InterLATA interstate Calls Completed	351	351	Distribution Buried Shring Fraction - 650	1.00	1.00
Local DEMs, thousands	12,125	12,125	Distribution Buried Shring Fraction - 850	1.00	1.00
Intrastate DEMs, thousands	2,589	2,589	Distribution Buried Shring Fraction - 2550	1.00	1.00
Interstate DEMs, thousands	2,556	2,556	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

HAI Model Release 5.0a

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

HAI Model Release 5.0a

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			

HAI Model Release 5.0a
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	Current Scenario	Default Scenario	Expense Input	Current Scenario	Default Scenario
	Value	Value		Value	Value