

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	547	3	543	1	0	-	538	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,385,224	\$ 68,325	\$ -	\$ -	\$ -	\$ -	\$ 350,983
5	DLC	65	-	65	-	-	-	65	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 168,842	\$ 8,239	\$ -	\$ -	\$ -	\$ -	\$ 58,322
100	DLC	872	217	613	35	6	17	609	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 175,035	\$ 8,772	\$ -	\$ -	\$ -	\$ -	\$ 235,237
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		1,484	220	1,222	36	7	17	1,211	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,729,101	\$ 85,336	\$ -	\$ -	\$ -	\$ -	\$ 644,541

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	\$ 36,275	\$ -	\$ 656,625	\$ 33,230	\$ -	\$ -	\$ 1,147,408	\$ 73,809	0.00%	35.30%	0.00%	\$ 546,336	\$ 8,500	\$ 45,917	\$ 57,865	\$ 15,676	458,198
5	DLC	\$ 6,115	\$ -	\$ 87,309	\$ 4,418	\$ -	\$ -	\$ 205,869	\$ 12,510	0.00%	42.76%	0.00%	\$ 83,686	\$ 1,050	\$ 5,468	\$ 6,951	\$ 1,880	64,698
100	DLC																	
200	DLC	\$ 21,285	\$ -	\$ 457,246	\$ 23,140	\$ -	\$ -	\$ 425,327	\$ 25,437	0.00%	18.14%	0.00%	\$ 174,681	\$ 7,600	\$ 36,629	\$ 50,658	\$ 21,478	7,129
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		\$ 63,675	\$ -	\$ 1,201,180	\$ 60,788	\$ -	\$ -	\$ 1,778,604	\$ 111,756				\$ 804,703	\$ 17,150	\$ 88,013	\$ 115,475	\$ 39,034	530,025

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	695,821	547	\$	374,087	\$	-	\$	74,527	\$	15,899	\$	1,038	\$	1,366	\$	437	\$	546	\$	70,595	\$	802	\$	96	\$	7,642	\$	373,725	\$	11,139	\$	6,885	\$	-
5	DLC	122,432	65	\$	44,591	\$	-	\$	8,884	\$	1,688	\$	124	\$	163	\$	52	\$	65	\$	7,642	\$	96	\$		\$		\$	40,768	\$	1,210	\$	836	\$	-
100	DLC	233,867	872	\$	572,675	\$	-	\$	114,090	\$	12,412	\$	1,589	\$	2,091	\$	669	\$	836	\$	44,765	\$	1,227	\$		\$		\$	312,233	\$	9,870	\$	5,856	\$	-
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		1,052,120	1,484	\$	991,354	\$	-	\$	197,500	\$	30,000	\$	2,751	\$	3,620	\$	1,158	\$	1,448	\$	123,003	\$	2,124	\$	-	\$	726,726	\$	22,219	\$	13,577	\$	-		

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		\$ 62,490		\$ 178,261	\$ 5,285	\$ 3,220	\$ -		\$ 25,393		\$ 59,347	\$ 1,818	\$ 1,091	\$ -		\$ 17,046	12
5	DLC		\$ 6,470		\$ 18,411	\$ 547	\$ 378	\$ -		\$ 2,882		\$ 3,022	\$ 90	\$ 62	\$ -		\$ 489	1
100	DLC																	
200	DLC	\$	131,392		\$ 96,425	\$ 3,048	\$ 1,809	\$ -		\$ 40,577		\$ 169,054	\$ 5,344	\$ 3,171	\$ -		\$ 71,140	10
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		\$ -	\$ 200,352	\$ -	\$ 293,097	\$ 8,880	\$ 5,406	\$ -	\$ -	\$ 68,852	\$ -	\$ 231,423	\$ 7,251	\$ 4,323	\$ -	\$ -	\$ 88,676	23

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	5	3	15	9	30	8	1,366 \$	219 \$	3,005 \$	51,030 \$	913	8,417,613	78,152	5,767,701	
5	DLC	1	0	2	0	3	1	163 \$	26 \$	358 \$	5,114 \$	15	1,009,784	-	794,807	
100	DLC															
200	DLC	2	1	16	31	38	7	2,091 \$	335 \$	4,601 \$	11,442 \$	4,085	9,510,999	5,028,452	3,285,352	
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		8	4	33	40	72	16	3,620 \$	579 \$	7,964 \$	67,587 \$	5,013	18,938,396	5,106,604	9,847,860	

Universal Service Calculation Sheet - monthly costs per line

**Missouri
Klm Tel Co**

	0 - 5 lines/sq mi	5 - 100 lines/sq mi	100 - 200 lines/sq mi	200 - 650 lines/sq mi	650 - 850 lines/sq mi	850 - 2,550 lines/sq mi	2,550 - 5,000 lines/sq mi	5,000 - 10,000 lines/sq mi	> 10,000 lines/sq mi	Weighted Average
Local network costs										
Loop	\$ 177.82	\$ 219.93	\$ -	\$ 41.32	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100.86
Port	6.15	6.15	-	6.15	-	-	-	-	-	6.15
End office usage	8.17	8.17	-	8.17	-	-	-	-	-	8.17
Signaling	0.32	0.32	-	0.32	-	-	-	-	-	0.32
Transport	5.81	5.81	-	5.81	-	-	-	-	-	5.81
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	\$ 201.30	\$ 243.41	\$ -	\$ 64.80	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 124.34
@ Residence usage per line	\$ 201.03	\$ 243.15	\$ -	\$ 64.53	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 134.73
@ Business usage per line	\$ 202.74	\$ 244.85	\$ -	\$ 66.24	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 68.33
Total switched lines	546	65	-	836	-	-	-	-	-	1,448
Primary residence lines	538	65	-	609	-	-	-	-	-	1,211
Secondary residence lines	5	0	-	5	-	-	-	-	-	10
Single line business lines	-	-	-	17	-	-	-	-	-	17
Multiline business lines	3	-	-	200	-	-	-	-	-	203
Public lines	0	-	-	6	-	-	-	-	-	7
FEDERAL FUND ANALYSIS										
Annual Support										
for line types:	Specify	Bench								
Primary residence lines	X	\$31.00	\$ 1,097,338	\$ 164,877	\$ -	\$ 244,889	\$ -	\$ -	\$ -	\$ 1,507,104
Secondary residence lines		\$31.00	\$ 10,479	\$ 930	\$ -	\$ 1,978	\$ -	\$ -	\$ -	\$ 13,387
Single line business lines	X	\$51.00	\$ 0	\$ -	\$ -	\$ 3,068	\$ -	\$ -	\$ -	\$ 3,068
Multiline business lines		\$51.00	\$ 6,127	\$ -	\$ -	\$ 36,530	\$ -	\$ -	\$ -	\$ 42,657
Public lines		\$51.00	\$ 184	\$ -	\$ -	\$ 1,188	\$ -	\$ -	\$ -	\$ 1,372
Support cost if all lines supported			\$ 1,114,127	\$ 165,807	\$ -	\$ 287,653	\$ -	\$ -	\$ -	\$ 1,567,588
Total annual support for specified lines										
@25% Federal allocation			\$ 274,334	\$ 41,219	\$ -	\$ 61,989	\$ -	\$ -	\$ -	\$ 377,543
@Implied 75% State allocation			\$ 823,003	\$ 123,658	\$ -	\$ 185,968	\$ -	\$ -	\$ -	\$ 1,132,629

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

\$20.00	\$ 1,168,327	\$ 173,426	\$ -	\$ 325,217	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,666,971
\$30.00	\$ 1,103,791	\$ 165,654	\$ -	\$ 252,191	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,521,637
\$40.00	\$ 1,039,255	\$ 157,883	\$ -	\$ 179,166	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,376,304
\$50.00	\$ 974,719	\$ 150,111	\$ -	\$ 106,141	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,230,970
\$60.00	\$ 910,183	\$ 142,339	\$ -	\$ 33,115	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,085,637
\$70.00	\$ 845,647	\$ 134,567	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 980,214
\$80.00	\$ 781,110	\$ 126,795	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 907,905

STATE FUND ANALYSIS															
Annual Support for line types:		Specify	Bench mark												
Primary residence lines	X	\$31.00	\$	1,097,338	\$	164,877	\$	-	\$	244,889	\$	-	\$	1,507,104	
Secondary residence lines		\$31.00	\$	10,479	\$	930	\$	-	\$	1,978	\$	-	\$	13,387	
Single line business lines	X	\$51.00	\$	0	\$	-	\$	-	\$	3,068	\$	-	\$	3,068	
Multiline business lines		\$51.00	\$	6,127	\$	-	\$	-	\$	36,530	\$	-	\$	42,657	
Public lines		\$51.00	\$	184	\$	-	\$	-	\$	1,188	\$	-	\$	1,372	
Support cost if all lines supported			\$	1,114,127	\$	165,807	\$	-	\$	287,653	\$	-	\$	1,567,588	
Total annual support for specified lines				\$	1,097,338	\$	164,877	\$	-	\$	247,957	\$	-	\$	1,510,172
@75% State allocation				\$	823,003	\$	123,658	\$	-	\$	185,968	\$	-	\$	1,132,629
@Implied 25% Federal allocation				\$	274,334	\$	41,219	\$	-	\$	61,989	\$	-	\$	377,543

TOTAL FUND ANALYSIS																
25% Federal allocation from Federal Fund Analysis	\$	274,334	\$	41,219	\$	-	\$	61,989	\$	-	\$	-	\$	-	\$	377,543
75% State allocation from State Fund Analysis	\$	823,003	\$	123,658	\$	-	\$	185,968	\$	-	\$	-	\$	-	\$	1,132,629
Total Federal + State fund	\$	1,097,338	\$	164,877	\$	-	\$	247,957	\$	-	\$	-	\$	-	\$	1,510,172

Module release date: 11/4/1997

COST OF NETWORK ELEMENTS

**Missouri
Klm Tel Co**

Loop elements	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
NID										
Annual Cost	\$ 3,948	\$ 474	\$ -	\$ 5,318	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,739
Unit Cost/month	0.60	0.61	-	0.51	-	-	-	-	-	0.55
Loop Distribution (DLC)										
Annual Cost	\$ 524,763	\$ 83,998	\$ -	\$ 260,841	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 869,602
Unit Cost/month	79.95	107.47	-	24.94	-	-	-	-	-	48.84
Loop Distribution (non-DLC)										
Annual Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unit Cost/month	-	-	-	-	-	-	-	-	-	-
Loop Distribution (all)										
Annual Cost	\$ 524,763	\$ 83,998	\$ -	\$ 260,841	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 869,602
Unit Cost/month	79.95	107.47	-	24.94	-	-	-	-	-	48.84
Loop Concentration (DLC)										
Annual Cost	\$ 151,095	\$ 23,084	\$ -	\$ 49,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 223,679
Unit Cost/month	23.02	29.53	-	4.73	-	-	-	-	-	12.56
Loop Concentration (non-DLC)										
Annual Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unit Cost/month	-	-	-	-	-	-	-	-	-	-
Loop Concentration (all)										
Annual Cost	\$ 151,095	\$ 23,084	\$ -	\$ 49,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 223,679
Unit Cost/month	23.02	29.53	-	4.73	-	-	-	-	-	12.56
Loop Feeder (DLC)										
Annual Cost	\$ 466,821	\$ 61,322	\$ -	\$ 108,995	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 637,138
Unit Cost/month	71.12	78.46	-	10.42	-	-	-	-	-	35.78
Loop Feeder (non-DLC)										
Annual Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unit Cost/month	-	-	-	-	-	-	-	-	-	-
Loop Feeder (all)										
Annual Cost	\$ 466,821	\$ 61,322	\$ -	\$ 108,995	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 637,138
Unit Cost/month	71.12	78.46	-	10.42	-	-	-	-	-	35.78
Total Loop (DLC)										
Annual Cost	\$ 1,146,627	\$ 168,876	\$ -	\$ 424,654	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,740,158
Unit Cost/month	174.70	216.07	-	40.59	-	-	-	-	-	97.73
Total Loop (non-DLC)										
Annual Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unit Cost/month	-	-	-	-	-	-	-	-	-	-
Total Loop (all)										
Annual Cost	\$ 1,146,627	\$ 168,876	\$ -	\$ 424,654	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,740,158
Unit Cost/month	174.70	216.07	-	40.59	-	-	-	-	-	97.73
Total lines	547	65	-	872	-	-	-	-	-	1,484
Total lines served by DLC	547	65	-	872	-	-	-	-	-	1,484

	Annual Cost	Units	Unit Cost
End office switching	\$ 350,128		
Line Port	105,038	1,448 switched lines	\$ 6.05 per line/month
Non-Line Port	245,089	16,619,991 actual minutes	\$ 0.01475 per actual minute (for rate per DEM, see "Cost detail" sheet)
Signaling network elements	\$ 21,024		
Links	17,817	8 links	\$ 187.29 per link per month
STP	2,099	9,411,151 TCAP+ISUP msgs	\$ 0.00022 per signaling message
SCP	1,107	954,800 TCAP queries	\$ 0.00116 per query
Transport network elements			
<i>Dedicated</i>			
Sw+Sp Transport	\$ 63,199	40 trunks	\$ 130.47 per DS-0 equivalent per month
Switched	7,121	5 trunks	\$ 0.01299 per minute
Special	56,078	36 trunks	
Transmission Terminal	24,910	40 trunks	\$ 51.43 per DS-0 equivalent per month
			\$ 0.00512 per minute
			\$ 0.01811 total per minute
<i>Common</i>			
Transport	\$ 196,682	7,202,482 minutes	\$ 0.01444 per minute per leg (orig or term)
Transmission Terminal	56,059	7,202,482 minutes	\$ 0.00412 per minute
			\$ 0.01856 total per minute
<i>Direct</i>			
Transport	\$ 79,059	967,309 minutes	\$ 0.08173 per minute
Transmission Terminal	19,230	967,309 minutes	\$ 0.01988 per minute
			\$ 0.10161 total per minute
Tandem switch	\$ 2,017	6,283,704 minutes	\$ 0.00032 per minute
Operator systems	\$ 37,381		
Public Telephones	\$ 2,570		
Total (w/ Public)	\$ 2,592,417		
Total cost of switched network elements (w/o Public)	\$ 142.13	per line/month	

	interconnected at		
	end office	tandem	wtd average
Local interconnection			
EO switching	\$ 0.01475	\$ 0.01475	
ISUP	\$ 0.00268	\$ 0.00268	
Common Transport	\$ -	\$ 0.01856	
Tandem Switching	\$ -	\$ 0.00032	
TOTAL	\$ 0.01743	\$ 0.03630	n/a

IXC switched access			
EO switching	\$ 0.01475	\$ 0.01475	
ISUP	\$ 0.00268	\$ 0.00268	
Dedicated Transport	\$ 0.01811	\$ 0.01811	
Common Transport	\$ -	\$ 0.01856	
Tandem Switching	\$ -	\$ 0.00032	
TOTAL	\$ 0.03554	\$ 0.05441	\$ 0.05441

Signaling detail			
cost per 800 call attempt (TCAP)	\$ 0.0028		
ISUP cost/transaction	\$ 0.01398		
ISUP cost/completion	0.0200		
IXC switched access MOU/comp	7.45		
ISUP cost/min	\$ 0.002680		
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	245,089
Total DEMs	24,045,000
Cost per DEM \$	0.01019

Dedicated Transport Costs Per Trunk

DS-0 per month	
Transport per month	\$ 130.47
Terminal per month *	\$ 637.69
TOTAL	\$ 768.16

DS-1 per month	
Transport per month	\$ 3,131.31
Terminal per month	\$ 1,234.23
TOTAL	\$ 4,365.55

DS-3 per month	
Transport per month	\$ 87,676.79
Terminal per month	\$ 3,490.76
TOTAL	\$ 91,167.55

Trunk Port Costs

per trunk port (DS-0 equivalent) per month	\$ 2.94
per trunk port minute	\$ 0.000293

total EO usage per minute	\$ 0.014747
trk port/min	\$ 0.000293
other	\$ 0.014454

	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)	35.3%	42.8%	0.0%	18.1%	0.0%	0.0%	0.0%	0.0%	0.0%	25.5%
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	88,676
Total Lines	1,484
Total Dedicated Terminal Investment per line	\$ 60
Entrance Facility percent to total	\$ -
Terminal Investment per DS-0	\$ 2,197
Transport Investment per DS-0	\$ 6,020

Network-Related Expenses

	0-5	5-100	100-200	200-650	650-850	850-2550	2550-5000	5000-10000	>10000	Totals
	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	
NID										
Annual Capital Cost	\$ 2,508	\$ 301	\$ -	\$ 3,437	\$ -	\$ -	\$ -	\$ -	\$ -	6,246
Network Expenses	\$ 539	\$ 65	\$ -	\$ 663	\$ -	\$ -	\$ -	\$ -	\$ -	1,266
Direct expense	\$ 3,047	\$ 366	\$ -	\$ 4,099	\$ -	\$ -	\$ -	\$ -	\$ -	7,512
Investment	\$ 15,676	\$ 1,880	\$ -	\$ 21,478	\$ -	\$ -	\$ -	\$ -	\$ -	39,034
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 882	\$ 106	\$ -	\$ 1,186	\$ -	\$ -	\$ -	\$ -	\$ -	2,173
Total	\$ 3,928	\$ 471	\$ -	\$ 5,285	\$ -	\$ -	\$ -	\$ -	\$ -	9,685
with carrier-to-carrier	\$ 3,931	\$ 472	\$ -	\$ 5,294	\$ -	\$ -	\$ -	\$ -	\$ -	9,697
Distribution (DLC)										
Annual Capital Cost	\$ 325,688	\$ 52,157	\$ -	\$ 161,407	\$ -	\$ -	\$ -	\$ -	\$ -	539,252
Network Expenses	\$ 79,297	\$ 12,674	\$ -	\$ 39,676	\$ -	\$ -	\$ -	\$ -	\$ -	131,647
Direct expense	\$ 404,985	\$ 64,830	\$ -	\$ 201,084	\$ -	\$ -	\$ -	\$ -	\$ -	670,899
Investment	\$ 2,014,855	\$ 322,526	\$ -	\$ 1,005,717	\$ -	\$ -	\$ -	\$ -	\$ -	3,343,098
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 117,180	\$ 18,758	\$ -	\$ 58,182	\$ -	\$ -	\$ -	\$ -	\$ -	194,121
Total	\$ 522,165	\$ 83,589	\$ -	\$ 259,266	\$ -	\$ -	\$ -	\$ -	\$ -	865,020
with carrier-to-carrier	\$ 522,488	\$ 83,633	\$ -	\$ 259,711	\$ -	\$ -	\$ -	\$ -	\$ -	865,832
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	\$ 325,688	\$ 52,157	\$ -	\$ 161,407	\$ -	\$ -	\$ -	\$ -	\$ -	539,252
Network Expenses	\$ 79,297	\$ 12,674	\$ -	\$ 39,676	\$ -	\$ -	\$ -	\$ -	\$ -	131,647
Direct expense	\$ 404,985	\$ 64,830	\$ -	\$ 201,084	\$ -	\$ -	\$ -	\$ -	\$ -	670,899
Investment	\$ 2,014,855	\$ 322,526	\$ -	\$ 1,005,717	\$ -	\$ -	\$ -	\$ -	\$ -	3,343,098
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 117,180	\$ 18,758	\$ -	\$ 58,182	\$ -	\$ -	\$ -	\$ -	\$ -	194,121
Total	\$ 522,165	\$ 83,589	\$ -	\$ 259,266	\$ -	\$ -	\$ -	\$ -	\$ -	865,020
with carrier-to-carrier	\$ 522,488	\$ 83,633	\$ -	\$ 259,711	\$ -	\$ -	\$ -	\$ -	\$ -	865,832
Concentrator (DLC)										
Annual Capital Cost	\$ 108,082	\$ 16,515	\$ -	\$ 35,338	\$ -	\$ -	\$ -	\$ -	\$ -	159,935
Network Expenses	\$ 8,526	\$ 1,301	\$ -	\$ 2,822	\$ -	\$ -	\$ -	\$ -	\$ -	12,648
Direct expense	\$ 116,607	\$ 17,816	\$ -	\$ 38,160	\$ -	\$ -	\$ -	\$ -	\$ -	172,584
Investment	\$ 554,836	\$ 84,736	\$ -	\$ 182,281	\$ -	\$ -	\$ -	\$ -	\$ -	821,853
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 33,740	\$ 5,155	\$ -	\$ 11,041	\$ -	\$ -	\$ -	\$ -	\$ -	49,936
Total	\$ 150,347	\$ 22,971	\$ -	\$ 49,201	\$ -	\$ -	\$ -	\$ -	\$ -	222,520
with carrier-to-carrier	\$ 150,440	\$ 22,983	\$ -	\$ 49,286	\$ -	\$ -	\$ -	\$ -	\$ -	222,709
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	\$ 108,082	\$ 16,515	\$ -	\$ 35,338	\$ -	\$ -	\$ -	\$ -	\$ -	159,935
Network Expenses	\$ 8,526	\$ 1,301	\$ -	\$ 2,822	\$ -	\$ -	\$ -	\$ -	\$ -	12,648
Direct expense	\$ 116,607	\$ 17,816	\$ -	\$ 38,160	\$ -	\$ -	\$ -	\$ -	\$ -	172,584
Investment	\$ 554,836	\$ 84,736	\$ -	\$ 182,281	\$ -	\$ -	\$ -	\$ -	\$ -	821,853
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 33,740	\$ 5,155	\$ -	\$ 11,041	\$ -	\$ -	\$ -	\$ -	\$ -	49,936
Total	\$ 150,347	\$ 22,971	\$ -	\$ 49,201	\$ -	\$ -	\$ -	\$ -	\$ -	222,520
with carrier-to-carrier	\$ 150,440	\$ 22,983	\$ -	\$ 49,286	\$ -	\$ -	\$ -	\$ -	\$ -	222,709
Feeder (DLC)										
Annual Capital Cost	\$ 286,974	\$ 37,727	\$ -	\$ 67,083	\$ -	\$ -	\$ -	\$ -	\$ -	391,784
Network Expenses	\$ 73,295	\$ 9,602	\$ -	\$ 16,942	\$ -	\$ -	\$ -	\$ -	\$ -	99,839
Direct expense	\$ 360,269	\$ 47,329	\$ -	\$ 84,025	\$ -	\$ -	\$ -	\$ -	\$ -	491,622
Investment	\$ 1,840,806	\$ 241,518	\$ -	\$ 429,687	\$ -	\$ -	\$ -	\$ -	\$ -	2,512,011
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 104,242	\$ 13,694	\$ -	\$ 24,312	\$ -	\$ -	\$ -	\$ -	\$ -	142,248
Total	\$ 464,510	\$ 61,023	\$ -	\$ 108,337	\$ -	\$ -	\$ -	\$ -	\$ -	633,871
with carrier-to-carrier	\$ 464,797	\$ 61,056	\$ -	\$ 108,523	\$ -	\$ -	\$ -	\$ -	\$ -	634,376
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	\$ 286,974	\$ 37,727	\$ -	\$ 67,083	\$ -	\$ -	\$ -	\$ -	\$ -	391,784
Network Expenses	\$ 73,295	\$ 9,602	\$ -	\$ 16,942	\$ -	\$ -	\$ -	\$ -	\$ -	99,839
Direct expense	\$ 360,269	\$ 47,329	\$ -	\$ 84,025	\$ -	\$ -	\$ -	\$ -	\$ -	491,622
Investment	\$ 1,840,806	\$ 241,518	\$ -	\$ 429,687	\$ -	\$ -	\$ -	\$ -	\$ -	2,512,011
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 104,242	\$ 13,694	\$ -	\$ 24,312	\$ -	\$ -	\$ -	\$ -	\$ -	142,248
Total	\$ 464,510	\$ 61,023	\$ -	\$ 108,337	\$ -	\$ -	\$ -	\$ -	\$ -	633,871
with carrier-to-carrier	\$ 464,797	\$ 61,056	\$ -	\$ 108,523	\$ -	\$ -	\$ -	\$ -	\$ -	634,376
End Office Switching										
Annual Capital Cost	\$ 74,466	\$ 8,842	\$ -	\$ 111,991	\$ -	\$ -	\$ -	\$ -	\$ -	195,299
Network Expenses	\$ 25,987	\$ 3,098	\$ -	\$ 39,783	\$ -	\$ -	\$ -	\$ -	\$ -	68,868
Direct expense	\$ 100,454	\$ 11,939	\$ -	\$ 151,774	\$ -	\$ -	\$ -	\$ -	\$ -	264,167
Investment	\$ 464,513	\$ 55,163	\$ -	\$ 699,177	\$ -	\$ -	\$ -	\$ -	\$ -	1,218,854
Support expenses	\$ 17,678	\$ 2,096	\$ -	\$ 31,445	\$ -	\$ -	\$ -	\$ -	\$ -	51,220
Subtotal, with misc spt	\$ 118,132	\$ 14,036	\$ -	\$ 183,218	\$ -	\$ -	\$ -	\$ -	\$ -	315,386
Total, with var overhead	\$ 130,418	\$ 15,495	\$ -	\$ 202,273	\$ -	\$ -	\$ -	\$ -	\$ -	348,186
with carrier-to-carrier	\$ 130,498	\$ 15,504	\$ -	\$ 202,609	\$ -	\$ -	\$ -	\$ -	\$ -	348,610
Signaling										
Annual Capital Cost	\$ 8,905	\$ 907	\$ -	\$ 2,964	\$ -	\$ -	\$ -	\$ -	\$ -	12,776
Network Expenses	\$ 2,210	\$ 226	\$ -	\$ 798	\$ -	\$ -	\$ -	\$ -	\$ -	3,234
Direct expense	\$ 11,115	\$ 1,132	\$ -	\$ 3,762	\$ -	\$ -	\$ -	\$ -	\$ -	16,010
Investment	\$ 55,620	\$ 5,661	\$ -	\$ 18,469	\$ -	\$ -	\$ -	\$ -	\$ -	79,750
Support expenses	\$ 1,956	\$ 199	\$ -	\$ 780	\$ -	\$ -	\$ -	\$ -	\$ -	2,934
Subtotal, with misc spt	\$ 13,071	\$ 1,331	\$ -	\$ 4,542	\$ -	\$ -	\$ -	\$ -	\$ -	18,945
Total, with var overhead	\$ 14,431	\$ 1,470	\$ -	\$ 5,014	\$ -	\$ -	\$ -	\$ -	\$ -	20,915
with carrier-to-carrier	\$ 14,440	\$ 1,471	\$ -	\$ 5,023	\$ -	\$ -	\$ -	\$ -	\$ -	20,933
Dedicated Transport										
Annual Capital Cost	\$ 9,696	\$ 495	\$ -	\$ 27,659	\$ -	\$ -	\$ -	\$ -	\$ -	37,849
Network Expenses	\$ 2,467	\$ 126	\$ -	\$ 7,039	\$ -	\$ -	\$ -	\$ -	\$ -	9,632
Direct expense	\$ 12,162	\$ 620	\$ -	\$ 34,698	\$ -	\$ -	\$ -	\$ -	\$ -	47,481
Investment	\$ 62,255	\$ 3,174	\$ -	\$ 177,568	\$ -	\$ -	\$ -	\$ -	\$ -	242,998
Support expenses	\$ 2,140	\$ 109	\$ -	\$ 7,189	\$ -	\$ -	\$ -	\$ -	\$ -	9,438
Subtotal, with misc spt	\$ 14,303	\$ 729	\$ -	\$ 41,887	\$ -	\$ -	\$ -	\$ -	\$ -	56,919
Total, with var overhead	\$ 15,790	\$ 805	\$ -	\$ 46,243	\$ -	\$ -	\$ -	\$ -	\$ -	62,838
with carrier-to-carrier	\$ 15,800	\$ 806	\$ -	\$ 46,320	\$ -	\$ -	\$ -	\$ -	\$ -	62,925
Dedicated Transport Transmission										
Annual Capital Cost	\$ 3,330	\$ 96	\$ -	\$ 13,897	\$ -	\$ -	\$ -	\$ -	\$ -	17,322
Network Expenses	\$ 261	\$ 7	\$ -	\$ 1,088	\$ -	\$ -	\$ -	\$ -	\$ -	1,357
Direct expense	\$ 3,591	\$ 103	\$ -	\$ 14,985	\$ -	\$ -	\$ -	\$ -	\$ -	18,679
Investment	\$ 17,046	\$ 489	\$ -	\$ 71,140	\$ -	\$ -	\$ -	\$ -	\$ -	88,676
Support expenses	\$ 632	\$ 18	\$ -	\$ 3,105	\$ -	\$ -	\$ -	\$ -	\$ -	3,755
Subtotal, with misc spt	\$ 4,222	\$ 121	\$ -	\$ 18,090	\$ -	\$ -	\$ -	\$ -	\$ -	22,433
Total, with var overhead	\$ 4,662	\$ 134	\$ -	\$ 19,971	\$ -	\$ -	\$ -	\$ -	\$ -	24,766
with carrier-to-carrier	\$ 4,664	\$ 134	\$ -	\$ 20,004	\$ -	\$ -	\$ -	\$ -	\$ -	24,802
Direct Transport										
Annual Capital Cost	\$ 29,083	\$ 3,014	\$ -	\$ 15,776	\$ -	\$ -	\$ -	\$ -	\$ -	47,873
Network Expenses	\$ 7,396	\$ 766	\$ -	\$ 4,015	\$ -	\$ -	\$ -	\$ -	\$ -	12,177
Direct expense	\$ 36,479	\$ 3,779	\$ -	\$ 19,791	\$ -	\$ -	\$ -	\$ -	\$ -	60,049
Investment	\$ 186,766	\$ 19,336	\$ -	\$ 101,281	\$ -	\$ -	\$ -	\$ -	\$ -	307,393
Support expenses	\$ 6,420	\$ 664	\$ -	\$ 4,100	\$ -	\$ -	\$ -	\$ -	\$ -	11,184
Subtotal, with misc spt	\$ 42,899	\$ 4,443	\$ -	\$ 23,891	\$ -	\$ -	\$ -	\$ -	\$ -	71,233
Total, with var overhead	\$ 47,360	\$ 4,905	\$ -	\$ 26,376	\$ -	\$ -	\$ -	\$ -	\$ -	78,641
with carrier-to-carrier	\$ 47,389	\$ 4,908	\$ -	\$ 26,420	\$ -	\$ -	\$ -	\$ -	\$ -	78,717
Direct Transport Transmission										
Annual Capital Cost	\$ 4,960	\$ 563	\$ -	\$ 7,926	\$ -	\$ -	\$ -	\$ -	\$ -	13,450
Network Expenses	\$ 389	\$ 44	\$ -	\$ 621	\$ -	\$ -	\$ -	\$ -	\$ -	1,053
Direct expense	\$ 5,349	\$ 607	\$ -	\$ 8,547	\$ -	\$ -	\$ -	\$ -	\$ -	14,503
Investment	\$ 25,393	\$ 2,882	\$ -	\$ 40,577	\$ -	\$ -	\$ -	\$ -	\$ -	68,852
Support expenses	\$ 941	\$ 107	\$ -	\$ 1,771	\$ -	\$ -	\$ -	\$ -	\$ -	2,819
Subtotal, with misc spt	\$ 6,290	\$ 714	\$ -	\$ 10,316	\$ -	\$ -	\$ -	\$ -	\$ -	17,322
Total, with var overhead	\$ 6,944	\$ 788	\$ -	\$ 11,391	\$ -	\$ -	\$ -	\$ -	\$ -	19,123
with carrier-to-carrier	\$ 6,948	\$ 788	\$ -	\$ 11,410	\$ -	\$ -	\$ -	\$ -	\$ -	19,147
Common Transport										
Annual Capital Cost	\$ 61,011	\$ 6,673	\$ -	\$ 51,084	\$ -	\$ -	\$ -	\$ -	\$ -	118,767
Network Expenses	\$ 15,515	\$ 1,696	\$ -	\$ 13,001	\$ -	\$ -	\$ -	\$ -	\$ -	30,212
Direct expense	\$ 76,525	\$ 8,368	\$ -	\$ 64,085	\$ -	\$ -	\$ -	\$ -	\$ -	148,979
Investment	\$ 391,749	\$ 42,815	\$ -	\$ 327,958	\$ -	\$ -	\$ -	\$ -	\$ -	762,522
Support expenses	\$ 13,467	\$ 1,469	\$ -	\$ 13,277	\$ -	\$ -	\$ -	\$ -	\$ -	28,214
Subtotal, with misc spt	\$ 89,993	\$ 9,838	\$ -	\$ 77,362	\$ -	\$ -	\$ -	\$ -	\$ -	177,193
Total, with var overhead	\$ 99,352	\$ 10,861	\$ -	\$ 85,408	\$ -	\$ -	\$ -	\$ -	\$ -	195,621
with carrier-to-carrier	\$ 99,413	\$ 10,867	\$ -	\$ 85,550	\$ -	\$ -	\$ -	\$ -	\$ -	195,829

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	\$ 12,207	\$ 1,264	\$ -	\$ 25,666	\$ -	\$ -	\$ -	\$ -	\$ -	39,137
Network Expenses	\$ 956	\$ 99	\$ -	\$ 2,010	\$ -	\$ -	\$ -	\$ -	\$ -	3,065
Direct expense	\$ 13,163	\$ 1,363	\$ -	\$ 27,677	\$ -	\$ -	\$ -	\$ -	\$ -	42,202
Investment	\$ 62,490	\$ 6,470	\$ -	\$ 131,392	\$ -	\$ -	\$ -	\$ -	\$ -	200,352
Support expenses	\$ 2,316	\$ 239	\$ -	\$ 5,734	\$ -	\$ -	\$ -	\$ -	\$ -	8,290
Subtotal, with misc spt	\$ 15,479	\$ 1,602	\$ -	\$ 33,411	\$ -	\$ -	\$ -	\$ -	\$ -	50,492
Total, with var overhead	\$ 17,089	\$ 1,769	\$ -	\$ 36,885	\$ -	\$ -	\$ -	\$ -	\$ -	55,743
with carrier-to-carrier	\$ 17,100	\$ 1,770	\$ -	\$ 36,947	\$ -	\$ -	\$ -	\$ -	\$ -	55,816
Tandem Switching										
Annual Capital Cost	\$ 374	\$ 45	\$ -	\$ 573	\$ -	\$ -	\$ -	\$ -	\$ -	992
Network Expenses	\$ 200	\$ 24	\$ -	\$ 306	\$ -	\$ -	\$ -	\$ -	\$ -	530
Direct expense	\$ 574	\$ 68	\$ -	\$ 879	\$ -	\$ -	\$ -	\$ -	\$ -	1,522
Investment	\$ 2,404	\$ 287	\$ -	\$ 3,680	\$ -	\$ -	\$ -	\$ -	\$ -	6,371
Support expenses	\$ 101	\$ 12	\$ -	\$ 182	\$ -	\$ -	\$ -	\$ -	\$ -	295
Subtotal, with misc spt	\$ 675	\$ 80	\$ -	\$ 1,061	\$ -	\$ -	\$ -	\$ -	\$ -	1,817
Total, with var overhead	\$ 746	\$ 89	\$ -	\$ 1,172	\$ -	\$ -	\$ -	\$ -	\$ -	2,006
with carrier-to-carrier	\$ 746	\$ 89	\$ -	\$ 1,174	\$ -	\$ -	\$ -	\$ -	\$ -	2,009
Operator Systems										
Annual Capital Cost	\$ 11,272	\$ 1,224	\$ -	\$ 7,459	\$ -	\$ -	\$ -	\$ -	\$ -	19,955
Network Expenses	\$ 4,272	\$ 479	\$ -	\$ 4,086	\$ -	\$ -	\$ -	\$ -	\$ -	8,837
Direct expense	\$ 15,544	\$ 1,703	\$ -	\$ 11,545	\$ -	\$ -	\$ -	\$ -	\$ -	28,792
Investment	\$ 72,380	\$ 7,855	\$ -	\$ 47,498	\$ -	\$ -	\$ -	\$ -	\$ -	127,733
Support expenses	\$ 2,473	\$ 267	\$ -	\$ 2,145	\$ -	\$ -	\$ -	\$ -	\$ -	4,885
Subtotal, with misc spt	\$ 18,017	\$ 1,971	\$ -	\$ 13,690	\$ -	\$ -	\$ -	\$ -	\$ -	33,677
Total, with var overhead	\$ 19,891	\$ 2,176	\$ -	\$ 15,114	\$ -	\$ -	\$ -	\$ -	\$ -	37,180
with carrier-to-carrier	\$ 19,903	\$ 2,177	\$ -	\$ 15,139	\$ -	\$ -	\$ -	\$ -	\$ -	37,219
Public Telephone										
Annual Capital Cost	\$ 187	\$ 3	\$ -	\$ 835	\$ -	\$ -	\$ -	\$ -	\$ -	1,025
Network Expenses	\$ 172	\$ 3	\$ -	\$ 768	\$ -	\$ -	\$ -	\$ -	\$ -	943
Direct expense	\$ 358	\$ 6	\$ -	\$ 1,604	\$ -	\$ -	\$ -	\$ -	\$ -	1,968
Investment	\$ 913	\$ 15	\$ -	\$ 4,085	\$ -	\$ -	\$ -	\$ -	\$ -	5,013
Support expenses	\$ 57	\$ 1	\$ -	\$ 298	\$ -	\$ -	\$ -	\$ -	\$ -	356
Subtotal, with misc spt	\$ 415	\$ 7	\$ -	\$ 1,902	\$ -	\$ -	\$ -	\$ -	\$ -	2,324
Total, with var overhead	\$ 459	\$ 8	\$ -	\$ 2,099	\$ -	\$ -	\$ -	\$ -	\$ -	2,566
with carrier-to-carrier	\$ 459	\$ 8	\$ -	\$ 2,103	\$ -	\$ -	\$ -	\$ -	\$ -	2,570
Totals										
Annual Capital Cost	\$ 938,744	\$ 129,823	\$ -	\$ 533,095	\$ -	\$ -	\$ -	\$ -	\$ -	1,601,661
Network Expenses	\$ 221,478	\$ 30,209	\$ -	\$ 133,620	\$ -	\$ -	\$ -	\$ -	\$ -	385,307
Total	\$ 1,160,222	\$ 160,032	\$ -	\$ 666,715	\$ -	\$ -	\$ -	\$ -	\$ -	1,986,968
Investment	\$ 5,767,701	\$ 794,807	\$ -	\$ 3,261,991	\$ -	\$ -	\$ -	\$ -	\$ -	9,824,499
Supporting Network Expenses										
Capital Cost - Gent Support	\$ 48,488	\$ 6,682	\$ -	\$ 27,423	\$ -	\$ -	\$ -	\$ -	\$ -	82,592
Network Operations	\$ 17,014	\$ 2,026	\$ -	\$ 27,117	\$ -	\$ -	\$ -	\$ -	\$ -	46,156
Network Support	\$ 3,348	\$ 462	\$ -	\$ 1,924	\$ -	\$ -	\$ -	\$ -	\$ -	5,734
Other Taxes	\$ 67,241	\$ 9,257	\$ -	\$ 39,529	\$ -	\$ -	\$ -	\$ -	\$ -	116,027
Misc Expenses	\$ 48,506	\$ 6,691	\$ -	\$ 27,874	\$ -	\$ -	\$ -	\$ -	\$ -	83,071
Subtotal	\$ 184,597	\$ 25,118	\$ -	\$ 123,866	\$ -	\$ -	\$ -	\$ -	\$ -	333,581
Carrier-carrier customer svc	\$ 924	\$ 110	\$ -	\$ 1,473	\$ -	\$ -	\$ -	\$ -	\$ -	2,508
Interoffice/Switching Net Ops	\$ 4,379	\$ 521	\$ -	\$ 6,979	\$ -	\$ -	\$ -	\$ -	\$ -	11,880
Interoffice/Sw Exp	\$ 259,412	\$ 27,981	\$ -	\$ 326,198	\$ -	\$ -	\$ -	\$ -	\$ -	613,591
Total Network Costs										
	\$ 1,349,198	\$ 185,671	\$ -	\$ 797,561	\$ -	\$ -	\$ -	\$ -	\$ -	2,332,429
Other costs										
Other Taxes	\$ 67,241	\$ 9,257	\$ -	\$ 39,529	\$ -	\$ -	\$ -	\$ -	\$ -	116,027
Monthly Cost Factors										
Loop	0.02197	0.02202	-	0.02197	-	-	-	-	-	0.02228
Port	0.00724	0.00726	-	0.00726	-	-	-	-	-	0.00731
Switching	0.00961	0.00964	-	0.00977	-	-	-	-	-	0.00970
Signaling	0.00314	0.00367	-	0.01446	-	-	-	-	-	0.00580
Transport	0.00424	0.00501	-	0.00569	-	-	-	-	-	0.00501
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	99.9387%	99.9470%	0.0000%	99.8345%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	99.9042%

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	\$ 2,402	0%	100%	\$ -	\$ 2,402
Furniture - Expenses	\$ 1,844	0%	100%	\$ -	\$ 1,844
Office Equipment - Capital Costs	\$ 6,856	0%	100%	\$ -	\$ 6,856
Office Equipment - Expenses	\$ 3,907	0%	100%	\$ -	\$ 3,907
General Purpose Computer - Capital Costs	\$ 14,326	0%	100%	\$ -	\$ 14,326
General Purpose Computer - Expenses	\$ 37,768	0%	100%	\$ -	\$ 37,768
Motor Vehicles - Capital Costs	\$ 8,645	0%	100%	\$ -	\$ 8,645
Motor Vehicles - Expenses	\$ 3,020	0%	100%	\$ -	\$ 3,020
Buildings - Capital Costs	\$ 17,279	0%	100%	\$ -	\$ 17,279
Buildings - Expenses	\$ 12,614	0%	100%	\$ -	\$ 12,614
Garage Work Eqpt. - Capital Costs	\$ 253	0%	100%	\$ -	\$ 253
Garage Work Eqpt. - Expenses	\$ 88	0%	100%	\$ -	\$ 88
Other Work Eqpt. - Capital Costs	\$ 6,049	0%	100%	\$ -	\$ 6,049
Other Work Eqpt. - Expenses	\$ 766	0%	100%	\$ -	\$ 766
Total General Support	\$ 115,815			\$ -	\$ 115,815
Network Operations	\$ 31,188	0%	100%	\$ -	\$ 31,188
Other Taxes	\$ 78,401	0%	100%	\$ -	\$ 78,401
Variable Overhead	\$ 163,074	0%	100%	\$ -	\$ 163,074
Totals	\$ 225,404			\$ -	\$ 388,479

	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	\$ 884,908	\$ 130,341	\$ -	\$ 327,368	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,342,617
Non-Loop-related direct costs	\$ 275,314	\$ 29,691	\$ -	\$ 339,347	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 644,352
Total	\$ 1,160,222	\$ 160,032	\$ -	\$ 666,715	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,986,968
Loop Fraction	76.27%	81.45%	0.00%	49.10%	0.00%	0.00%	0.00%	0.00%	0.00%	67.57%
Network Operations	\$ 17,014	\$ 2,026	\$ -	\$ 27,117	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 46,156

	Total Annual Amount	Amount Assigned to Loops	Amount Assigned to Other UNEs
General Support - Totals			
Furniture - Capital Costs	\$ 3,554	\$ 2,402	\$ 1,153
Furniture - Expenses	\$ 2,729	\$ 1,844	\$ 885
Office Equipment - Capital Costs	\$ 10,146	\$ 6,856	\$ 3,290
Office Equipment - Expenses	\$ 5,781	\$ 3,907	\$ 1,875
General Purpose Computer - Capital Costs	\$ 21,201	\$ 14,326	\$ 6,875
General Purpose Computer - Expenses	\$ 55,893	\$ 37,768	\$ 18,126
Motor Vehicles - Capital Costs	\$ 12,794	\$ 8,645	\$ 4,149

Exp Assignment

Motor Vehicles - Expenses	\$ 4,470	\$ 3,020	\$ 1,449	
Buildings - Capital Costs	\$ 25,571	\$ 17,279	\$ 8,292	
Buildings - Expenses	\$ 18,668	\$ 12,614	\$ 6,054	
Garage Work Eqpt. - Capital Costs	\$ 374	\$ 253	\$ 121	
Garage Work Eqpt. - Expenses	\$ 130	\$ 88	\$ 42	
Other Work Eqpt. - Capital Costs	\$ 8,952	\$ 6,049	\$ 2,903	
Other Work Eqpt. - Expenses	\$ 1,134	\$ 766	\$ 368	
Total General Support	\$ 171,397	\$ 115,815	\$ 55,582	
Network Operations	\$ 46,156	\$ 31,188	\$ 14,968	
Other Taxes Calculation				
Total Direct Costs	\$ 1,986,968	\$ 1,342,617	\$ 644,352	\$ 1,986,968
Total Network Operations	\$ 46,156	\$ 31,188	\$ 14,968	\$ 46,156
Total General Support	\$ 171,397	\$ 115,815	\$ 55,582	\$ 204,832
Total	\$ 2,204,522	\$ 1,489,620	\$ 714,902	
Other Taxes	\$ 116,027	\$ 78,401	\$ 37,626	\$ 320,860
Total Expenses and Other Taxes	\$ 2,320,549	\$ 1,568,021	\$ 752,528	
Variable Overhead Calculation				
Variable Overhead	\$ 241,337	\$ 163,074	\$ 78,263	
Total Cost with Variable Overhead	2,561,886	1,731,095	830,791	

UNE Expense Assignment

Totals

NID

per line cost \$ -
per direct cost \$ 2,173
total \$ 2,173

Distribution (DLC)

per line cost \$ -
per direct cost \$ 194,121
total \$ 194,121

Distribution (non-DLC)

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

Concentrator (DLC)

per line cost \$ -
per direct cost \$ 49,936
total \$ 49,936

Concentrator (non-DLC)

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

Feeder (DLC)

per line cost \$ -
per direct cost \$ 142,248
total \$ 142,248

Feeder (non-DLC)

Exp Assignment

	<i>per line cost</i>	\$	-
	<i>per direct cost</i>	\$	-
	<i>total</i>	\$	-
End Office Switching	\$	340,602	
Signaling	\$	20,642	
Dedicated Transport	\$	61,219	
Dedicated Transport Transmission	\$	24,083	
Direct Transport	\$	77,424	
Direct Transport Transmission	\$	18,699	
Common Transport	\$	192,085	
Common Transport Transmission	\$	54,413	
Tandem Switching	\$	1,962	
Operator Systems	\$	37,123	
Public Telephone	\$	2,538	

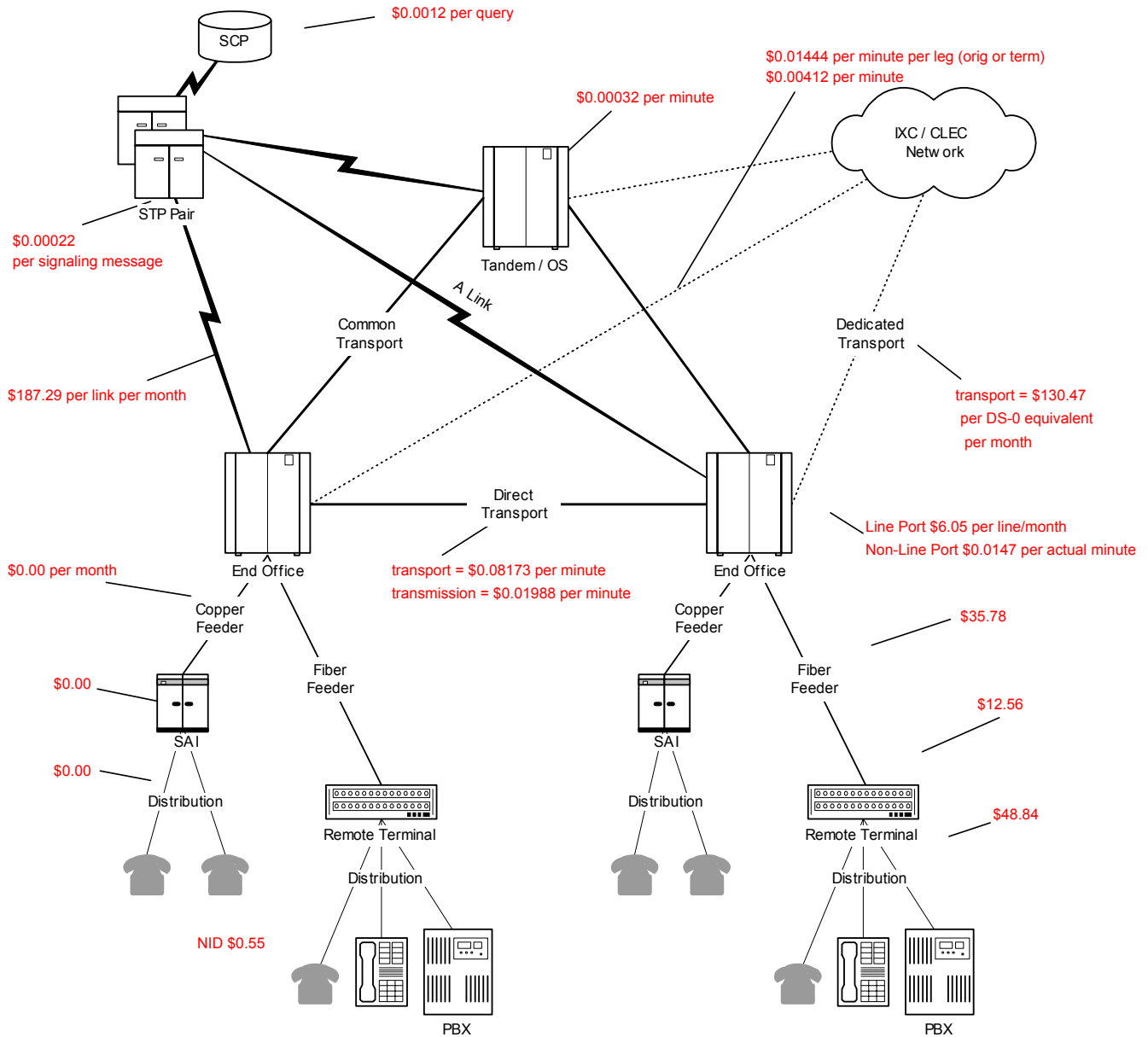
COST SUMMARY

Missouri
Klm Tel Co

1									2		1 + 2		3		1 + 2 + 3	
Network Element	Investment *	% of total investment	Annual Capital Cost	Network Expenses	Direct Expense	Support Expense	Subtotal (with misc support)	Total (with carrier-to-carrier)								
NID	\$ 39,034	0.4%	\$ 6,246	\$ 1,266	\$ 7,512	\$ 2,173	\$ 9,685	\$ 9,697								
Distribution (DLC)	3,343,098	34.0%	539,252	131,647	670,899	194,121	865,020	865,832								
Distribution (non-DLC)	-	0.0%	-	-	-	-	-	-								
Distribution (all)	3,343,098	34.0%	539,252	131,647	670,899	194,121	865,020	865,832								
Concentrator (DLC)	821,853	8.4%	159,935	12,648	172,584	49,936	222,520	222,709								
Concentrator (non-DLC)	-	0.0%	-	-	-	-	-	-								
Concentrator (all)	821,853	8.4%	159,935	12,648	172,584	49,936	222,520	222,709								
Feeder (DLC)	2,512,011	25.6%	391,784	99,839	491,622	142,248	633,871	634,376								
Feeder (non-DLC)	-	0.0%	-	-	-	-	-	-								
Feeder (all)	2,512,011	25.6%	391,784	99,839	491,622	142,248	633,871	634,376								
End Office Switching	1,218,854	12.4%	195,299	68,868	264,167	51,220	315,386	348,610								
Signaling	79,750	0.8%	12,776	3,234	16,010	2,934	18,945	20,933								
Dedicated Transport	242,998	2.5%	37,849	9,632	47,481	9,438	56,919	62,925								
Dedicated Transport Transmission	88,676	0.9%	17,322	1,357	18,679	3,755	22,433	24,802								
Direct Transport	307,383	3.1%	47,873	12,177	60,049	11,184	71,233	78,717								
Direct Transport Transmission	68,852	0.7%	13,450	1,053	14,503	2,819	17,322	19,147								
Common Transport	762,522	7.8%	118,767	30,212	148,979	28,214	177,193	195,829								
Common Transport Transmission	200,352	2.0%	39,137	3,065	42,202	8,290	50,492	55,816								
Tandem Switching	6,371	0.1%	992	530	1,522	295	1,817	2,009								
Operator Systems	127,733	1.3%	19,955	8,837	28,792	4,885	33,677	37,219								
Public Telephone	5,013	0.1%	1,025	943	1,968	356	2,324	2,570								
Total Network Cost																
Total	\$ 9,824,499	100%	\$ 1,601,661	\$ 385,307	\$ 1,986,968	\$ 511,868	\$ 2,498,837	\$ 2,581,189								

* Post sharing

Missouri / Klm Tel Co



USOA Detail Breakdown of HAI Model Costs

**Klm Tel Co
Missouri**

USOA	INVESTMENT DESCRIPTION	Cost \$(000)
Telecommunications Plant in Service		
2111	LAND	30
2112	MOTOR VEHICLES	67
2113	AIRCRAFT	
2114	SPECIAL PURPOSE VEHICLES	
2115	GARAGE WORK EQUIPMENT	2
2116	OTHER WORK EQUIPMENT	52
2121	BUILDINGS	372
2122	FURNITURE	22
2123.1	OFFICE SUPPORT EQUIPMENT	57
2123.2	COMPANY COMMUNICATIONS EQUIPMENT	
2124	GENERAL PURPOSE COMPUTERS	88
2110	TOTAL LAND & SUPPORT ASSETS	690
2212	DIGITAL ELECTRONIC SWITCHING	1,006
2220	OPERATOR SYSTEMS	3
2232	CIRCUIT EQUIPMENT	1,194
2351	PUBLIC TEL TERMINAL EQUIPMENT	5
2411	POLES	178
2421.1	AERIAL CABLE - METALLIC	66
2421.2	AERIAL CABLE - NonMETALLIC	129
2422.1	UNDERGROUND CABLE - METALLIC	0
2422.2	UNDERGROUND CABLE - NonMETALLIC	0
2423.1	BURIED CABLE - METALLIC	3,217
2423.2	BURIED CABLE - NonMETALLIC	3,793
2426.1	INTRABUILDING NETWORK CABLE - MET.	
2426.2	INTRABUILDING NETWORK CABLE - NonMET.	
2441	CONDUIT SYSTEMS	0
2410	TOTAL CABLE & WIRE FACILITIES	7,383
	Total TPIS (before amortizable assets)*	10,282

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

USOA	EXPENSE DESCRIPTION	Cost \$(000)
Plant Specific Expenses		
6112	MOTOR VEHICLES	4
6113	AIRCRAFT	2
6114	SPECIAL PURPOSE VEHICLES	0
6115	GARAGE WORK EQUIPMENT	0
6116	OTHER WORK EQUIPMENT	1
6110	NETWORK SUPPORT	8
6121	LAND & BUILDINGS	45
6122	FURNITURE	3
6123	OFFICE EQUIPMENT	7
6124	GENERAL PURPOSE COMPUTERS	67
6120	LAND & SUPPORT ASSETS	122
6212	DIGITAL ELECTRONIC SWITCHING	48
6220	OPERATOR SYSTEMS	4
6232	CIRCUIT EQUIPMENT	19
6351	PUBLIC TEL TERMINAL EQUIPMENT	1
6411	POLES	7
6421	AERIAL CABLE	12
6422	UNDERGROUND CABLE	0
6423	BURIED CABLE	272
6426	INTRABUILDING NETWORK CABLE	
6441	CONDUIT SYSTEMS	0
6410	TOTAL CABLE & WIRE FACILITIES	291
	Total Plant Specific Expenses	492
Plant Nonspecific Operations		
	TOTAL NETWORK OPERATIONS SUPPORT	58
6561	DEPRECIATION TPIS	598
6623	CUSTOMER SERVICES	3
	Total Plant Nonspecific Operations	659
	TOTAL CORPORATE OPERATIONS	243
	TOTAL OPERATING EXPENSES	1,394
7240	OPERATING OTHER TAXES	116
	TOTAL EXPENSES & OPERATING TAXES	1,510

USOA Depreciation Calculations

	<u>Depl life</u>	<u>DepFact</u>	<u>Dep Exp</u>
2111			
2112	10.45	0.09589	6
2113			
2114			
2115	9.97	0.10031	0
2116	13.92	0.07189	4
2121	48.73	0.02052	8
2122	18.36	0.05449	1
2123.1	12.44	0.08052	5
2123.2	7.99	0.12517	-
2124	6.61	0.15223	13
2110			
2212	17.17	0.05827	59
2220	9.25	0.10829	0
2232	9.90	0.10108	121
2351	8.98	0.11145	1
2411	8.38	0.11972	21
2421.1	13.61	0.07355	5
2421.2	18.92	0.05286	7
2422.1	17.88	0.05596	-
2422.2	20.14	0.04966	-
2423.1	18.36	0.05450	175
2423.2	21.97	0.04551	173
2426.1	13.57	0.07377	-
2426.2	21.37	0.04681	-
2441	46.15	0.02167	-
<i>Total Depreciation</i>			<i>598</i>

Network Element Disaggregations

<u>Investment Disaggregations:</u>		<u>Expense Disaggregations:</u>	
<i>Terminal, Drop, and NID</i>		<i>Terminal, Drop, and NID</i>	
Aerial-m portion	242,521	Aerial portion	9,153
Buried-m portion	4,849	Buried portion	441
	237,673		8,712
<i>OS Trks + Signaling links</i>		<i>OS Trks + Signaling links</i>	
Circuit Eqpt. portion	190,590	Circuit Eqpt. portion	7,387
Pole portion	31,765	Pole portion	1,231
Aerial-nm portion	2,819	Aerial-nm portion	114
Underground-nm portion	4,639	Underground-nm portion	285
Buried-nm portion	-	Buried-nm portion	-
Conduit portion	151,366	Conduit portion	5,757
	-		-
<i>SAI</i>		<i>SAI</i>	
Aerial-m portion	17,150	Aerial portion	336
Aerial-nm portion	-	Underground portion	12
Underground-m portion	595	Buried portion	-
Underground-nm portion	-		325
Buried-m portion	-		
Buried-nm portion	16,555		

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	\$ 13,084	\$ 1,803	\$ -	\$ 7,400	\$ -	\$ -	\$ -	\$ -	\$ -	22,287
office equipment	33,441	4,608	-	18,913	-	-	-	-	-	56,962
general purpose computers	51,424	7,086	-	29,084	-	-	-	-	-	87,595
motor vehicles	39,347	5,422	-	22,253	-	-	-	-	-	67,023
buildings	99,384	13,695	-	56,208	-	-	-	-	-	169,287
garage work equipment	1,129	156	-	639	-	-	-	-	-	1,923
orther work equipment	30,662	4,225	-	17,341	-	-	-	-	-	52,229
										-
TOTAL	\$ 268,471	\$ 36,996	\$ -	\$ 151,837	\$ -	\$ -	\$ -	\$ -	\$ -	457,305
Levelized Cost of Capital										
furniture	\$ 2,087	\$ 288	\$ -	\$ 1,180	\$ -	\$ -	\$ -	\$ -	\$ -	3,554
office equipment	5,956	821	-	3,369	-	-	-	-	-	10,146
general purpose computers	12,447	1,715	-	7,039	-	-	-	-	-	21,201
motor vehicles	7,511	1,035	-	4,248	-	-	-	-	-	12,794
buildings	15,012	2,069	-	8,490	-	-	-	-	-	25,571
garage work equipment	220	30	-	124	-	-	-	-	-	374
orther work equipment	5,255	724	-	2,972	-	-	-	-	-	8,952
TOTAL	\$ 48,488	\$ 6,682	\$ -	\$ 27,423	\$ -	\$ -	\$ -	\$ -	\$ -	82,592

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
Fiber Feeder										
Distribution Investment										
buried cable	\$ 656,625	\$ 87,309	\$ -	\$ 457,246	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,201,180
aerial cable	33,230	4,418	-	23,140	-	-	-	-	-	60,788
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	1,147,408	205,869	-	425,327	-	-	-	-	-	1,778,604
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	73,809	12,510	-	12,719	-	-	-	-	-	99,038
terminal	45,917	5,468	-	36,629	-	-	-	-	-	88,013
drop	57,865	6,951	-	50,658	-	-	-	-	-	115,475
TOTAL	\$ 2,014,855	\$ 322,526	\$ -	\$ 1,005,717	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,343,098
	60.27%	9.65%	0.00%	30.08%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
buried cable	\$ 104,717	\$ 13,924	\$ -	\$ 72,920	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 191,561
aerial cable	5,738	763	-	3,995	-	-	-	-	-	10,496
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	182,985	32,831	-	67,830	-	-	-	-	-	283,647
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	15,643	2,651	-	2,696	-	-	-	-	-	20,990
terminal	7,347	875	-	5,861	-	-	-	-	-	14,083
drop	9,259	1,112	-	8,106	-	-	-	-	-	18,477
TOTAL	\$ 325,688	\$ 52,157	\$ -	\$ 161,407	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 539,252
Network Expenses										
buried cable	25,529	3,394	-	17,777	-	-	-	-	-	46,700
aerial cable	2,090	278	-	1,465	-	-	-	-	-	3,823
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	44,809	8,004	-	16,536	-	-	-	-	-	69,149
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	3,046	516	-	525	-	-	-	-	-	4,088
terminal	1,780	212	-	1,420	-	-	-	-	-	3,411
drop	2,243	269	-	1,964	-	-	-	-	-	4,476
TOTAL	\$ 79,297	\$ 12,674	\$ -	\$ 39,676	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 131,647
Summary										
Cost of Capital	\$ 325,688	\$ 52,157	\$ -	\$ 161,407	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 539,252
Network Expense	79,297	12,674	-	39,676	-	-	-	-	-	131,647
TOTAL	\$ 404,985	\$ 64,830	\$ -	\$ 201,084	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 670,899
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	\$ 656,625	\$ 87,309	\$ -	\$ 457,246	\$ -	\$ -	\$ -	\$ -	\$ -	1,201,180
aerial cable	\$ 33,230	\$ 4,418	\$ -	\$ 23,140	\$ -	\$ -	\$ -	\$ -	\$ -	60,788
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried trenching	\$ 1,147,408	\$ 205,869	\$ -	\$ 425,327	\$ -	\$ -	\$ -	\$ -	\$ -	1,778,604
conduit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
underground trenching	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
poles	\$ 73,809	\$ 12,510	\$ -	\$ 12,719	\$ -	\$ -	\$ -	\$ -	\$ -	99,038
terminal	\$ 45,917	\$ 5,468	\$ -	\$ 36,629	\$ -	\$ -	\$ -	\$ -	\$ -	88,013
drop	\$ 57,865	\$ 6,951	\$ -	\$ 50,658	\$ -	\$ -	\$ -	\$ -	\$ -	115,475
TOTAL	\$ 2,014,855	\$ 322,526	\$ -	\$ 1,005,717	\$ -	\$ -	\$ -	\$ -	\$ -	3,343,098
	60.27%	9.65%	0.00%	30.08%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
buried cable	\$ 104,717	\$ 13,924	\$ -	\$ 72,920	\$ -	\$ -	\$ -	\$ -	\$ -	191,561
aerial cable	\$ 5,738	\$ 763	\$ -	\$ 3,995	\$ -	\$ -	\$ -	\$ -	\$ -	10,496
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried trenching	\$ 182,985	\$ 32,831	\$ -	\$ 67,830	\$ -	\$ -	\$ -	\$ -	\$ -	283,647
conduit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
underground trenching	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
poles	\$ 15,643	\$ 2,651	\$ -	\$ 2,696	\$ -	\$ -	\$ -	\$ -	\$ -	20,990
terminal	\$ 7,347	\$ 875	\$ -	\$ 5,861	\$ -	\$ -	\$ -	\$ -	\$ -	14,083
drop	\$ 9,259	\$ 1,112	\$ -	\$ 8,106	\$ -	\$ -	\$ -	\$ -	\$ -	18,477
TOTAL	\$ 325,688	\$ 52,157	\$ -	\$ 161,407	\$ -	\$ -	\$ -	\$ -	\$ -	539,252
Network Expenses										
buried cable	\$ 25,529	\$ 3,394	\$ -	\$ 17,777	\$ -	\$ -	\$ -	\$ -	\$ -	46,700
aerial cable	\$ 2,090	\$ 278	\$ -	\$ 1,455	\$ -	\$ -	\$ -	\$ -	\$ -	3,823
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried trenching	\$ 44,609	\$ 8,004	\$ -	\$ 16,536	\$ -	\$ -	\$ -	\$ -	\$ -	69,149
conduit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
underground trenching	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
poles	\$ 3,046	\$ 516	\$ -	\$ 525	\$ -	\$ -	\$ -	\$ -	\$ -	4,088
terminal	\$ 1,780	\$ 212	\$ -	\$ 1,420	\$ -	\$ -	\$ -	\$ -	\$ -	3,411
drop	\$ 2,243	\$ 269	\$ -	\$ 1,964	\$ -	\$ -	\$ -	\$ -	\$ -	4,476
TOTAL	\$ 79,297	\$ 12,674	\$ -	\$ 39,676	\$ -	\$ -	\$ -	\$ -	\$ -	131,647
Summary										
Cost of Capital	\$ 325,688	\$ 52,157	\$ -	\$ 161,407	\$ -	\$ -	\$ -	\$ -	\$ -	539,252
Network Expense	\$ 79,297	\$ 12,674	\$ -	\$ 39,676	\$ -	\$ -	\$ -	\$ -	\$ -	131,647
TOTAL	\$ 404,985	\$ 64,830	\$ -	\$ 201,084	\$ -	\$ -	\$ -	\$ -	\$ -	670,899
NID Cost										
NID Investment	\$ 15,676	\$ 1,880	\$ -	\$ 21,478	\$ -	\$ -	\$ -	\$ -	\$ -	39,034
Levelized Cost of Capital	\$ 2,508	\$ 301	\$ -	\$ 3,437	\$ -	\$ -	\$ -	\$ -	\$ -	6,246
Network Expenses	\$ 539	\$ 65	\$ -	\$ 663	\$ -	\$ -	\$ -	\$ -	\$ -	1,266
TOTAL	\$ 3,047	\$ 366	\$ -	\$ 4,099	\$ -	\$ -	\$ -	\$ -	\$ -	7,512

Concentrator

	0-5 lines/sq m	5-100 lines/sq m	100-200 lines/sq m	200-650 lines/sq m	650-850 lines/sq m	850-2550 lines/sq m	2550-5000 lines/sq m	5000-10000 lines/sq m	>10000 lines/sq m	Totals
<i>Fiber Feeder</i>										
Concentrator Investment										
DLC Investment	\$ 546,336	\$ 83,686	\$ -	\$ 174,681	\$ -	\$ -	\$ -	\$ -	\$ -	804,703
SAI Investment	8,500	1,050	-	7,600	-	-	-	-	-	17,150
										\$ -
TOTAL	\$ 554,836 67.51%	\$ 84,736 10.31%	\$ - 0.00%	\$ 182,281 22.18%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	821,853 100.00%
Levelized Cost of Capital										
DLC	\$ 106,722	\$ 16,347	\$ -	\$ 34,122	\$ -	\$ -	\$ -	\$ -	\$ -	157,191
SAI	1,360	168	-	1,216	-	-	-	-	-	2,744
TOTAL	\$ 108,082	\$ 16,515	\$ -	\$ 35,338	\$ -	\$ -	\$ -	\$ -	\$ -	159,935
Network Expenses										
DLC	\$ 8,359	\$ 1,280	\$ -	\$ 2,673	\$ -	\$ -	\$ -	\$ -	\$ -	12,312
SAI	167	21	-	149	-	-	-	-	-	336
TOTAL	\$ 8,526	\$ 1,301	\$ -	\$ 2,822	\$ -	\$ -	\$ -	\$ -	\$ -	12,648
Summary										
Cost of Capital	\$ 108,082	\$ 16,515	\$ -	\$ 35,338	\$ -	\$ -	\$ -	\$ -	\$ -	159,935
Network Expense	8,526	1,301	-	2,822	-	-	-	-	-	12,648
TOTAL	\$ 116,607	\$ 17,816	\$ -	\$ 38,160	\$ -	\$ -	\$ -	\$ -	\$ -	172,584
<i>Copper Feeder</i>										
Concentrator Investment										
DLC Investment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
SAI Investment	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	- 0.00%
Levelized Cost of Capital										
DLC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
SAI	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Network Expenses										
DLC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
SAI	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Summary										
Cost of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Network Expense	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
<i>Total</i>										
Concentrator Investment										
DLC Investment	\$ 546,336	\$ 83,686	\$ -	\$ 174,681	\$ -	\$ -	\$ -	\$ -	\$ -	804,703
SAI Investment	8,500	1,050	-	7,600	-	-	-	-	-	17,150
TOTAL	\$ 554,836 67.51%	\$ 84,736 10.31%	\$ - 0.00%	\$ 182,281 22.18%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	821,853 100.00%

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	\$	106,722	\$	16,347	\$	-	\$	34,122	\$	-	\$	-	\$	-	\$	-	\$	-	\$	157,191
SAI		1,360		168		-		1,216		-		-		-		-		-		2,744
TOTAL	\$	108,082	\$	16,515	\$	-	\$	35,338	\$	-	\$	-	\$	-	\$	-	\$	-	\$	159,935
Network Expenses																				
DLC	\$	8,359	\$	1,280	\$	-	\$	2,673	\$	-	\$	-	\$	-	\$	-	\$	-	\$	12,312
SAI		167		21		-		149		-		-		-		-		-		336
TOTAL	\$	8,526	\$	1,301	\$	-	\$	2,822	\$	-	\$	-	\$	-	\$	-	\$	-	\$	12,648
Summary																				
Cost of Capital	\$	108,082	\$	16,515	\$	-	\$	35,338	\$	-	\$	-	\$	-	\$	-	\$	-	\$	159,935
Network Expense		8,526		1,301		-		2,822		-		-		-		-		-		12,648
TOTAL	\$	116,607	\$	17,816	\$	-	\$	38,160	\$	-	\$	-	\$	-	\$	-	\$	-	\$	172,584

Feeder

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Fiber Feeder										
Feeder Investment										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	1,385,224	168,842	-	175,035	-	-	-	-	-	1,729,101
fiber aerial cable	68,325	8,230	-	8,772	-	-	-	-	-	85,336
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	350,983	58,322	-	235,237	-	-	-	-	-	644,541
poles	36,275	6,115	-	10,643	-	-	-	-	-	53,033
TOTAL	\$ 1,840,806	\$ 241,518	\$ -	\$ 429,887	\$ -	\$ -	\$ -	\$ -	\$ -	2,512,011
	73.28%	9.61%	0.00%	17.11%	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	214,187	26,107	-	27,064	-	-	-	-	-	267,358
fiber aerial cable	10,829	1,306	-	1,390	-	-	-	-	-	13,525
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	54,270	9,018	-	36,373	-	-	-	-	-	99,661
poles	7,688	1,296	-	2,256	-	-	-	-	-	11,240
TOTAL	\$ 286,974	\$ 37,727	\$ -	\$ 67,083	\$ -	\$ -	\$ -	\$ -	\$ -	391,784
Network Expenses										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	53,855	6,564	-	6,805	-	-	-	-	-	67,225
fiber aerial cable	4,297	518	-	552	-	-	-	-	-	5,367
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	13,646	2,267	-	9,146	-	-	-	-	-	25,059
poles	1,497	252	-	439	-	-	-	-	-	2,189
TOTAL	\$ 73,295	\$ 9,602	\$ -	\$ 16,942	\$ -	\$ -	\$ -	\$ -	\$ -	99,839
Summary										
Cost of Capital	\$ 286,974	\$ 37,727	\$ -	\$ 67,083	\$ -	\$ -	\$ -	\$ -	\$ -	391,784
Network Expense	73,295	9,602	-	16,942	-	-	-	-	-	99,839
TOTAL	\$ 360,269	\$ 47,329	\$ -	\$ 84,025	\$ -	\$ -	\$ -	\$ -	\$ -	491,622

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

Feeder

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

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Total										
Feeder Investment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
copper u/g cable	-	-	-	-	-	-	-	-	-	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	1,385,224	168,842	-	175,035	-	-	-	-	-	1,729,101
fiber aerial cable	68,325	8,239	-	8,772	-	-	-	-	-	85,336
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	350,983	58,322	-	235,237	-	-	-	-	-	644,541
poles	36,275	6,115	-	10,643	-	-	-	-	-	53,033
TOTAL	\$ 1,840,806	\$ 241,518	\$ -	\$ 429,687	\$ -	\$ 0.00%	\$ 0.00%	\$ 0.00%	\$ 0.00%	2,512,011
	73.28%	9.61%	0.00%	17.11%	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	214,187	26,107	-	27,064	-	-	-	-	-	267,358
fiber aerial cable	10,829	1,306	-	1,390	-	-	-	-	-	13,525
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	54,270	9,018	-	36,373	-	-	-	-	-	99,661
poles	7,688	1,296	-	2,256	-	-	-	-	-	11,240
TOTAL	\$ 286,974	\$ 37,727	\$ -	\$ 67,083	\$ -	\$ -	\$ -	\$ -	\$ -	391,784
Network Expenses										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	53,855	6,564	-	6,805	-	-	-	-	-	67,225
fiber aerial cable	4,297	518	-	552	-	-	-	-	-	5,367
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	13,646	2,267	-	9,146	-	-	-	-	-	25,059
poles	1,497	252	-	439	-	-	-	-	-	2,189
TOTAL	\$ 73,295	\$ 9,602	\$ -	\$ 16,942	\$ -	\$ -	\$ -	\$ -	\$ -	99,839
Summary										
Cost of Capital	\$ 286,974	\$ 37,727	\$ -	\$ 67,083	\$ -	\$ -	\$ -	\$ -	\$ -	391,784
Network Expense	73,295	9,602	-	16,942	-	-	-	-	-	99,839
TOTAL	\$ 360,269	\$ 47,329	\$ -	\$ 84,025	\$ -	\$ -	\$ -	\$ -	\$ -	491,622

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	\$ 374,087	\$ 44,591	\$ -	\$ 572,675	\$ -	\$ -	\$ -	\$ -	\$ -	991,354
MDF/protector	-	-	-	-	-	-	-	-	-	-
wire center	74,527	8,884	-	114,090	-	-	-	-	-	197,500
land	15,899	1,688	-	12,412	-	-	-	-	-	30,000
TOTAL	\$ 464,513	\$ 55,163	\$ -	\$ 699,177	\$ -	\$ -	\$ -	\$ -	\$ -	1,218,854
	38.11%	4.53%	0.00%	57.36%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
end office switching	\$ 60,534	\$ 7,216	\$ -	\$ 92,669	\$ -	\$ -	\$ -	\$ -	\$ -	160,418
MDF/protector	-	-	-	-	-	-	-	-	-	-
wire center	11,257	1,342	-	17,234	-	-	-	-	-	29,833
land	2,675	284	-	2,088	-	-	-	-	-	5,048
TOTAL	\$ 74,466	\$ 8,842	\$ -	\$ 111,991	\$ -	\$ -	\$ -	\$ -	\$ -	195,299
Network Expenses										
end office switching	\$ 17,769	\$ 2,118	\$ -	\$ 27,202	\$ -	\$ -	\$ -	\$ -	\$ -	47,089
MDF/protector	-	-	-	-	-	-	-	-	-	-
wire center	8,218	980	-	12,581	-	-	-	-	-	21,779
land	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 25,987	\$ 3,098	\$ -	\$ 39,783	\$ -	\$ -	\$ -	\$ -	\$ -	68,868
Summary										
Cost of Capital	\$ 74,466	\$ 8,842	\$ -	\$ 111,991	\$ -	\$ -	\$ -	\$ -	\$ -	195,299
Network Expense	25,987	3,098	-	39,783	-	-	-	-	-	68,868
TOTAL	\$ 100,454	\$ 11,939	\$ -	\$ 151,774	\$ -	\$ -	\$ -	\$ -	\$ -	264,167

Signaling

	0-5 lines/sq m	5-100 lines/sq m	100-200 lines/sq m	200-650 lines/sq m	650-850 lines/sq m	850-2550 lines/sq m	2550-5000 lines/sq m	5000-10000 lines/sq m	>10000 lines/sq m	Totals
Signaling Investment										
SCP	\$ 1,366	\$ 163	\$ -	\$ 2,091	\$ -	\$ -	\$ -	\$ -	\$ -	3,620
SCP wire center	219	26	-	335	-	-	-	-	-	579
STP	3,005	358	-	4,601	-	-	-	-	-	7,964
signaling links	51,030	5,114	-	11,442	-	-	-	-	-	67,587
TOTAL	\$ 55,620	\$ 5,661	\$ -	\$ 18,469	\$ -	\$ -	\$ -	\$ -	\$ -	79,750
	69.74%	7.10%	0.00%	23.16%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
SCP	\$ 221	\$ 26	\$ -	\$ 338	\$ -	\$ -	\$ -	\$ -	\$ -	586
SCP wire center	33	4	-	51	-	-	-	-	-	87
STP	486	58	-	744	-	-	-	-	-	1,289
signaling links	8,165	818	-	1,831	-	-	-	-	-	10,814
TOTAL	\$ 8,905	\$ 907	\$ -	\$ 2,964	\$ -	\$ -	\$ -	\$ -	\$ -	12,776
Network Expenses										
SCP	\$ 65	\$ 8	\$ -	\$ 99	\$ -	\$ -	\$ -	\$ -	\$ -	172
SCP wire center	24	3	-	37	-	-	-	-	-	64
STP	143	17	-	219	-	-	-	-	-	378
signaling links	1,978	198	-	444	-	-	-	-	-	2,620
TOTAL	\$ 2,210	\$ 226	\$ -	\$ 798	\$ -	\$ -	\$ -	\$ -	\$ -	3,234
Summary										
Cost of Capital	\$ 8,905	\$ 907	\$ -	\$ 2,964	\$ -	\$ -	\$ -	\$ -	\$ -	12,776
Network Expense	2,210	226	-	798	-	-	-	-	-	3,234
TOTAL	\$ 11,115	\$ 1,132	\$ -	\$ 3,762	\$ -	\$ -	\$ -	\$ -	\$ -	16,010

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	59,347	3,022	-	169,054	-	-	-	-	-	231,423
aerial cable	1,818	90	-	5,344	-	-	-	-	-	7,251
poles	1,091	62	-	3,171	-	-	-	-	-	4,323
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 62,255	\$ 3,174	\$ -	\$ 177,568	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 242,998
Levelized Cost of Capital										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
buried cable	9,176	467	-	26,140	-	-	-	-	-	35,783
aerial cable	288	14	-	847	-	-	-	-	-	1,149
poles	231	13	-	672	-	-	-	-	-	916
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 9,696	\$ 495	\$ -	\$ 27,659	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 37,849
Network Expenses										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
buried cable	2,307	118	-	6,573	-	-	-	-	-	8,997
aerial cable	114	6	-	336	-	-	-	-	-	456
poles	45	3	-	131	-	-	-	-	-	178
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 2,467	\$ 126	\$ -	\$ 7,039	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,632
Summary										
Cost of Capital	\$ 9,696	\$ 495	\$ -	\$ 27,659	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 37,849
Network Expense	2,467	126	-	7,039	-	-	-	-	-	9,632
TOTAL	\$ 12,162	\$ 620	\$ -	\$ 34,698	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 47,481
Transmission Terminal										
investment	\$ 17,046	\$ 489	\$ -	\$ 71,140	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 88,676
levelized cost of capital	3,330	96	-	13,897	-	-	-	-	-	17,322
network expenses	261	7	-	1,088	-	-	-	-	-	1,357
TOTAL	\$ 3,591	\$ 103	\$ -	\$ 14,985	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,679

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	178,261	18,411	-	96,425	-	-	-	-	-	293,097
aerial cable	5,285	547	-	3,048	-	-	-	-	-	8,880
poles	3,220	378	-	1,809	-	-	-	-	-	5,406
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 186,766	\$ 19,336	\$ -	\$ 101,281	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 307,383
Levelized Cost of Capital										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
buried cable	27,563	2,847	-	14,909	-	-	-	-	-	45,319
aerial cable	838	87	-	483	-	-	-	-	-	1,407
poles	682	80	-	383	-	-	-	-	-	1,146
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 29,083	\$ 3,014	\$ -	\$ 15,776	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 47,873
Network Expenses										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
buried cable	6,931	716	-	3,749	-	-	-	-	-	11,395
aerial cable	332	34	-	192	-	-	-	-	-	558
poles	133	16	-	75	-	-	-	-	-	223
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 7,396	\$ 766	\$ -	\$ 4,015	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,177
Summary										
Cost of Capital	\$ 29,083	\$ 3,014	\$ -	\$ 15,776	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 47,873
Network Expense	7,396	766	-	4,015	-	-	-	-	-	12,177
TOTAL	\$ 36,479	\$ 3,779	\$ -	\$ 19,791	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 60,049
Transmission Terminal										
investment	\$ 25,393	\$ 2,882	\$ -	\$ 40,577	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 68,852
levelized cost of capital	4,960	563	-	7,926	-	-	-	-	-	13,450
network expenses	389	44	-	621	-	-	-	-	-	1,053
TOTAL	\$ 5,349	\$ 607	\$ -	\$ 8,547	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,503

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	373,725	40,768	-	312,233	-	-	-	-	-	726,726
aerial cable	11,139	1,210	-	9,870	-	-	-	-	-	22,219
poles	6,885	836	-	5,856	-	-	-	-	-	13,577
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 391,749	\$ 42,815	\$ -	\$ 327,958	\$ -	\$ -	\$ -	\$ -	\$ -	762,522
Levelized Cost of Capital										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
buried cable	57,786	6,304	-	48,278	-	-	-	-	-	112,368
aerial cable	1,766	192	-	1,564	-	-	-	-	-	3,522
poles	1,459	177	-	1,241	-	-	-	-	-	2,877
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 61,011	\$ 6,673	\$ -	\$ 51,084	\$ -	\$ -	\$ -	\$ -	\$ -	118,767
Network Expenses										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
buried cable	14,530	1,585	-	12,139	-	-	-	-	-	28,254
aerial cable	701	76	-	621	-	-	-	-	-	1,397
poles	284	35	-	242	-	-	-	-	-	560
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 15,515	\$ 1,696	\$ -	\$ 13,001	\$ -	\$ -	\$ -	\$ -	\$ -	30,212
Summary										
Cost of Capital	\$ 61,011	\$ 6,673	\$ -	\$ 51,084	\$ -	\$ -	\$ -	\$ -	\$ -	118,767
Network Expense	15,515	1,696	-	13,001	-	-	-	-	-	30,212
TOTAL	\$ 76,525	\$ 8,368	\$ -	\$ 64,085	\$ -	\$ -	\$ -	\$ -	\$ -	148,979
Transmission Terminal										
investment	\$ 62,490	\$ 6,470	\$ -	\$ 131,392	\$ -	\$ -	\$ -	\$ -	\$ -	200,352
levelized cost of capital	12,207	1,264	-	25,666	-	-	-	-	-	39,137
network expenses	956	99	-	2,010	-	-	-	-	-	3,065
TOTAL	\$ 13,163	\$ 1,363	\$ -	\$ 27,677	\$ -	\$ -	\$ -	\$ -	\$ -	42,202

Tandem Switching

	0-5 lines/sq m	5-100 lines/sq m	100-200 lines/sq m	200-650 lines/sq m	650-850 lines/sq m	850-2550 lines/sq m	2550-5000 lines/sq m	5000-10000 lines/sq m	>10000 lines/sq m	Totals
Tandem Switching Investment										
tandem switching	\$ 1,038	\$ 124	\$ -	\$ 1,589	\$ -	\$ -	\$ -	\$ -	\$ -	2,751
wire center	1,366	163	-	2,091	-	-	-	-	-	3,620
TOTAL	\$ 2,404	\$ 287	\$ -	\$ 3,680	\$ -	\$ -	\$ -	\$ -	\$ -	6,371
Levelized Cost of Capital										
tandem switching	\$ 168	\$ 20	\$ -	\$ 257	\$ -	\$ -	\$ -	\$ -	\$ -	445
wire center	206	25	-	316	-	-	-	-	-	547
TOTAL	\$ 374	\$ 45	\$ -	\$ 573	\$ -	\$ -	\$ -	\$ -	\$ -	992
Network Expenses										
tandem switching	\$ 49	\$ 6	\$ -	\$ 75	\$ -	\$ -	\$ -	\$ -	\$ -	131
wire center	151	18	-	231	-	-	-	-	-	399
TOTAL	\$ 200	\$ 24	\$ -	\$ 306	\$ -	\$ -	\$ -	\$ -	\$ -	530
Summary										
Cost of Capital	\$ 374	\$ 45	\$ -	\$ 573	\$ -	\$ -	\$ -	\$ -	\$ -	992
Network Expense	200	24	-	306	-	-	-	-	-	530
TOTAL	\$ 574	\$ 68	\$ -	\$ 879	\$ -	\$ -	\$ -	\$ -	\$ -	1,522

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	\$ 437	\$ 52	\$ -	\$ 669	\$ -	\$ -	\$ -	\$ -	\$ -	1,158
OS Tandem Wire Center	546	65	-	836	-	-	-	-	-	1,448
OS Trunks	70,595	7,642	-	44,765	-	-	-	-	-	123,003
OS Position	802	96	-	1,227	-	-	-	-	-	2,124
TOTAL	\$ 72,380	\$ 7,855	\$ -	\$ 47,498	\$ -	\$ -	\$ -	\$ -	\$ -	127,733
Levelized Cost of Capital										
OS Tandem Switching	\$ 71	\$ 8	\$ -	\$ 108	\$ -	\$ -	\$ -	\$ -	\$ -	187
OS Tandem Wire Center	83	10	-	126	-	-	-	-	-	219
OS Trunks	10924.69398	1182.647502	0	6927.484893	0	0	0	0	0	19,035
OS Position	194	23	-	297	-	-	-	-	-	514
TOTAL	\$ 11,272	\$ 1,224	\$ -	\$ 7,459	\$ -	\$ -	\$ -	\$ -	\$ -	19,955
Network Expenses										
OS Tandem Switching	\$ 21	\$ 2	\$ -	\$ 32	\$ -	\$ -	\$ -	\$ -	\$ -	55
OS Tandem Wire Center	60	7	-	92	-	-	-	-	-	160
OS Trunks	2,736	296	-	1,735	-	-	-	-	-	4,768
OS Position	54	6	-	83	-	-	-	-	-	143
Operator Wages	1,400	167	-	2,144	-	-	-	-	-	3,711
TOTAL	\$ 4,272	\$ 479	\$ -	\$ 4,086	\$ -	\$ -	\$ -	\$ -	\$ -	8,837
Summary										
Cost of Capital	\$ 11,272	\$ 1,224	\$ -	\$ 7,459	\$ -	\$ -	\$ -	\$ -	\$ -	19,955
Network Expense	4,272	479	-	4,086	-	-	-	-	-	8,837
TOTAL	\$ 15,544	\$ 1,703	\$ -	\$ 11,545	\$ -	\$ -	\$ -	\$ -	\$ -	28,792

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	\$ 913	\$ 15	\$ -	\$ 4,085	\$ -	\$ -	\$ -	\$ -	\$ -	5,013
	18.21%	0.31%	0.00%	81.48%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital	\$ 187	\$ 3	\$ -	\$ 835	\$ -	\$ -	\$ -	\$ -	\$ -	1,025
Network Expenses	\$ 172	\$ 3	\$ -	\$ 768	\$ -	\$ -	\$ -	\$ -	\$ -	943
Summary										
Cost of Capital	\$ 187	\$ 3	\$ -	\$ 835	\$ -	\$ -	\$ -	\$ -	\$ -	1,025
Network Expense	172	3	-	768	-	-	-	-	-	943
TOTAL	\$ 358	\$ 6	\$ -	\$ 1,604	\$ -	\$ -	\$ -	\$ -	\$ -	1,968

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	0.14214			
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								0.13779	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	0.15418		
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	0.06940	
27																											0.04000	0.04429	0.04828	0.05201	0.05549	0.05876	0.06183	0.06478	0.06758
2																																			

DeprecLife	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	
CCF-Fact	0.15007	0.15004	0.15003	0.15005	0.15008	0.15013	0.15019	0.15026	0.15034	0.15044	0.15053	0.15064	0.15074	0.15085	0.15097	0.15108	0.15120	0.15132	0.15144	0.15156	0.15168	0.15179	0.15191	0.15203	0.15214	0.15226	0.15237	0.15248	0.15259	0.15270	0.15280	0.15290	0.15301	
DeprecFact	0.02041	0.02057	0.02073	0.02073	0.02032	0.02564	0.02500	0.02439	0.02381	0.02236	0.02273	0.02222	0.02174	0.02128	0.02083	0.02041	0.02000	0.01961	0.01923	0.01887	0.01852	0.01818	0.01786	0.01754	0.01724	0.01695	0.01667	0.01639	0.01613	0.01587	0.01563	0.01538	0.01515	
ROF-Fact	0.08481	0.08538	0.08593	0.08647	0.08699	0.08750	0.08799	0.08847	0.08894	0.08939	0.08983	0.09026	0.09068	0.09108	0.09147	0.09185	0.09222	0.09258	0.09293	0.09327	0.09360	0.09391	0.09423	0.09453	0.09482	0.09511	0.09538	0.09565	0.09592	0.09617	0.09642	0.09666	0.09690	
Fax-GuFact	0.15086	0.15803	0.15802	0.15804	0.15807	0.15812	0.15819	0.15826	0.15835	0.15845	0.15855	0.15866	0.15877	0.15889	0.15901	0.15913	0.15925	0.15938	0.15950	0.15963	0.15975	0.15988	0.16000	0.16012	0.16025	0.16037	0.16048	0.16060	0.16071	0.16083	0.16094	0.16105	0.16115	
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	0.14486	
NPV-EoP	1.29477	1.29808	1.30124	1.30426	1.30715	1.30991	1.31255	1.31508	1.31751	1.31984	1.32207	1.32421	1.32627	1.32825	1.33016	1.33199	1.33376	1.33546	1.33710	1.33868	1.34021	1.34168	1.34311	1.34448	1.34581	1.34710	1.34835	1.34955	1.35072	1.35185	1.35295	1.35402	1.35505	
NPV-BoP	1.44043	1.44411	1.44763	1.45099	1.45420	1.45727	1.46021	1.46303	1.46573	1.46831	1.47080	1.47318	1.47548	1.47768	1.47980	1.48184	1.48380	1.48569	1.48752	1.48928	1.49098	1.49262	1.49420	1.49573	1.49721	1.49864	1.50003	1.50137	1.50267	1.50393	1.50515	1.50634	1.50749	
Pmc-EoP	0.15806	0.15803	0.15802	0.15804	0.15807	0.15812	0.15819	0.15826	0.15835	0.15845	0.15855	0.15866	0.15877	0.15889	0.15901	0.15913	0.15925	0.15938	0.15950	0.15963	0.15975	0.15988	0.16000	0.16012	0.16025	0.16037	0.16048	0.16060	0.16071	0.16083	0.16094	0.16105	0.16115	
Pmc-BoP	0.14208	0.14205	0.14204	0.14206	0.14209	0.14213	0.14219	0.14226	0.14234	0.14242	0.14252	0.14261	0.14272	0.14282	0.14293	0.14304	0.14315	0.14326	0.14337	0.14349	0.14360	0.14371	0.14382	0.14393	0.14404	0.14415	0.14426	0.14436	0.14446	0.14456	0.14466	0.14476	0.14486	
Year	1	0.18711	0.18633	0.18560	0.18491	0.18426	0.18364	0.18305	0.18249	0.18195	0.18144	0.18096	0.18049	0.18005	0.17962	0.17921	0.17882	0.17845	0.17809	0.17774	0.17741	0.17709	0.17678	0.17648	0.17619	0.17591	0.17564	0.17538	0.17513	0.17489	0.17465	0.17442	0.17420	0.17399
2	0.18240	0.18176	0.18116	0.18059	0.18005	0.17953	0.17905	0.17858	0.17814	0.17772	0.17732	0.17694	0.17657	0.17622	0.17588	0.17556	0.17525	0.17495	0.17466	0.17439	0.17412	0.17387	0.17362	0.17338	0.17315	0.17293	0.17271	0.17251	0.17231	0.17211	0.17192	0.17174	0.17156	
3	0.17769	0.17719	0.17671	0.17626	0.17583	0.17543	0.17505	0.17468	0.17433	0.17400	0.17368	0.17338	0.17309	0.17281	0.17255	0.17229	0.17205	0.17181	0.17158	0.17137	0.17116	0.17096	0.17076	0.17057	0.17039	0.17022	0.17005	0.16988	0.16972	0.16957	0.16942	0.16928	0.16914	
4	0.17298	0.17262	0.17227	0.17194	0.17162	0.17133	0.17104	0.17078	0.17052	0.17028	0.17004	0.16982	0.16961	0.16941	0.16921	0.16902	0.16885	0.16867	0.16851	0.16839	0.16829	0.16819	0.16809	0.16799	0.16789	0.16779	0.16769	0.16759	0.16749	0.16739	0.16729	0.16719	0.16709	
5	0.16828	0.16804	0.16782	0.16761	0.16741	0.16722	0.16704	0.16687	0.16671	0.16656	0.16641	0.16627	0.16613	0.16600	0.16588	0.16576	0.16564	0.16553	0.16543	0.16533	0.16523	0.16514	0.16504	0.16496	0.16487	0.16479	0.16471	0.16464	0.16456	0.16449	0.16442	0.16435	0.16429	
6	0.16357	0.16347	0.16337	0.16328	0.16320	0.16312	0.16304	0.16297	0.16290	0.16283	0.16277	0.16271	0.16265	0.16260	0.16254	0.16249	0.16244	0.16240	0.16235	0.16231	0.16227	0.16223	0.16219	0.16215	0.16211	0.16208	0.16204	0.16201	0.16198	0.16195	0.16192	0.16189	0.16186	
7	0.15886	0.15890	0.15893	0.15896	0.15899	0.15901	0.15904	0.15907	0.15911	0.15913	0.15915	0.15917	0.15919	0.15921	0.15923	0.15924	0.15926	0.15927	0.15929	0.15930	0.15932	0.15933	0.15934	0.15935	0.15937	0.15938	0.15939	0.15940	0.15941	0.15942	0.15943	0.15944	0.15945	
8	0.15416	0.15432	0.15448	0.15463	0.15478	0.15491	0.15504	0.15516	0.15528	0.15539	0.15549	0.15560	0.15570	0.15581	0.15592	0.15602	0.15612	0.15622	0.15634	0.15641	0.15647	0.15653	0.15659	0.15665	0.15671	0.15677	0.15683	0.15689	0.15695	0.15701	0.15707	0.15713	0.15719	
9	0.14945	0.14975	0.15004	0.15031	0.15056	0.15081	0.15104	0.15126	0.15147	0.15167	0.15186	0.15204	0.15221	0.15238	0.15254	0.15269	0.15284	0.15298	0.15312	0.15325	0.15337	0.15350	0.15361	0.15373	0.15383	0.15394	0.15404	0.15414	0.15424	0.15434	0.15444	0.15454	0.15464	
10	0.14474	0.14518	0.14559	0.14598	0.14635	0.14670	0.14704	0.14735	0.14766	0.14794	0.14822	0.14848	0.14873	0.14897	0.14921	0.14943	0.14964	0.14984	0.15004	0.15023	0.15041	0.15059	0.15075	0.15092	0.15108	0.15123	0.15137	0.15152	0.15165	0.15179	0.15192	0.15204	0.15216	
11	0.14003	0.14061	0.14115	0.14166	0.14214	0.14260	0.14304	0.14345	0.14385	0.14424	0.14458	0.14493	0.14525	0.14557	0.14587	0.14616	0.14644	0.14671	0.14696	0.14721	0.14745	0.14768	0.14790	0.14811	0.14832	0.14851	0.14871	0.14889	0.14907	0.14925	0.14942	0.14958	0.14974	
12	0.13533	0.13603	0.13670	0.13733	0.13793	0.13850	0.13903	0.13955	0.14004	0.14050	0.14094	0.14137	0.14178	0.14216	0.14254	0.14289	0.14324	0.14357	0.14388	0.14419	0.14448	0.14477	0.14504	0.14530	0.14556	0.14580	0.14604	0.14627	0.14649	0.14671	0.14691	0.14712	0.14731	
13	0.13062	0.13146	0.13225	0.13301	0.13372	0.13439	0.13503	0.13564	0.13622	0.13678	0.13731	0.13781	0.13830	0.13876	0.13920	0.13963	0.14004	0.14043	0.14081	0.14117	0.14152	0.14186	0.14218	0.14249	0.14280	0.14309	0.14337	0.14365	0.14391	0.14417	0.14441	0.14465	0.14489	
14	0.12591	0.12689	0.12781	0.12868	0.12951	0.13029	0.13104	0.13174	0.13241	0.13306	0.13367	0.13426	0.13482	0.13535	0.13587	0.13636	0.13684	0.13729	0.13773	0.13815	0.13855	0.13895	0.13932	0.13969	0.14004	0.14038	0.14070	0.14102	0.14133	0.14163	0.14191	0.14219	0.14246	
15	0.12120	0.12231	0.12336	0.12435	0.12529	0.12618	0.12703	0.12784	0.12860	0.12933	0.13003	0.13070	0.13134	0.13195	0.13253	0.13310	0.13363	0.13415	0.13465	0.13513	0.13559	0.13604	0.13646	0.13688	0.13728	0.13766	0.13804	0.13840	0.13875	0.13909	0.13941	0.13973	0.14004	
16	0.11650	0.11774	0.11892	0.12003	0.12108	0.12208	0.12303	0.12393	0.12479	0.12561	0.12640	0.12714	0.12786	0.12854	0.12920	0.12983	0.13043	0.13101	0.13157	0.13211	0.13263	0.13313	0.13361	0.13407	0.13452	0.13495	0.13537	0.13577	0.13617	0.13654	0.13691	0.13727	0.13761	
17	0.11179	0.11317	0.11447	0.11570	0.11687	0.11798	0.11903	0.12003	0.12098	0.12189	0.12276	0.12359	0.12438	0.12514	0.12587	0.12656	0.12723	0.12788	0.12849	0.12909	0.12966	0.13022	0.13075	0.13126	0.13176	0.13224	0.13270	0.13315	0.13358	0.13400	0.13441	0.13481	0.13519	
18	0.10708	0.10860	0.11002	0.11138	0.11266	0.11387	0.11503	0.11613	0.11717	0.11817	0.11912	0.12003	0.12090	0.12173	0.12253	0.12330	0.12403	0.12474	0.12542	0.12607	0.12670	0.12731	0.12789	0.12845	0.12900	0.12953	0.13003	0.13053	0.13100	0.13146	0.13191	0.13234	0.13276	
19	0.10238	0.10402	0.10558	0.10705	0.10845	0.10977	0.11103	0.11222	0.11336	0.11445	0.11548	0.11647	0.11742	0.11833	0.11920	0.12003	0.12083	0.12160	0.12234	0.12305	0.12374	0.12440	0.12505	0.12569	0.12624	0.12681	0.12737	0.12790	0.12842	0.12892	0.12941	0.12988	0.13034	
20	0.09767	0.09945	0.10113	0.10273	0.10423	0.10567	0.10702	0.10832	0.10955	0.11072	0.11185	0.11292	0.11394	0.11492	0.11586	0.11676	0.11763	0.11846	0.11926	0.12003	0.12077	0.12149	0.12217	0.12284	0.12348	0.12410	0.12470	0.12528	0.12584	0.12638	0.12691	0.12742	0.12791	
21	0.09296	0.09488	0.09669	0.09840	0.09992	0.10136	0.10274	0.10404	0.10524	0.10634	0.10734	0.10824	0.10916	0.11002	0.11083	0.11155	0.11223	0.11288	0.11351	0.11411	0.11468	0.11527	0.11584	0.11640										

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	0.15949	0.15950	0.15951	0.15952	0.15953	0.15954	0.15954	0.15955	0.15955
8	0.15706	0.15710	0.15714	0.15719	0.15723	0.15727	0.15730	0.15734	0.15738	0.15741	0.15745	0.15748	0.15751	0.15754	0.15757
9	0.15467	0.15475	0.15483	0.15490	0.15497	0.15504	0.15511	0.15518	0.15524	0.15531	0.15537	0.15543	0.15549	0.15554	0.15560
10	0.15228	0.15239	0.15251	0.15261	0.15272	0.15282	0.15292	0.15302	0.15311	0.15320	0.15329	0.15338	0.15346	0.15354	0.15362
11	0.14989	0.15004	0.15019	0.15033	0.15046	0.15060	0.15073	0.15085	0.15098	0.15109	0.15121	0.15132	0.15143	0.15154	0.15165
12	0.14750	0.14769	0.14787	0.14804	0.14821	0.14837	0.14853	0.14869	0.14884	0.14913	0.14927	0.14948	0.14967	0.14987	0.14997
13	0.14511	0.14533	0.14555	0.14575	0.14596	0.14615	0.14634	0.14653	0.14671	0.14688	0.14705	0.14722	0.14738	0.14754	0.14770
14	0.14273	0.14298	0.14323	0.14347	0.14370	0.14393	0.14415	0.14436	0.14457	0.14478	0.14498	0.14517	0.14536	0.14554	0.14572
15	0.14034	0.14063	0.14091	0.14118	0.14145	0.14171	0.14196	0.14220	0.14244	0.14267	0.14290	0.14312	0.14333	0.14354	0.14374
16	0.13795	0.13827	0.13859	0.13889	0.13919	0.13948	0.13976	0.14004	0.14031	0.14056	0.14082	0.14106	0.14130	0.14154	0.14177
17	0.13556	0.13592	0.13627	0.13661	0.13694	0.13726	0.13757	0.13788	0.13817	0.13846	0.13874	0.13901	0.13928	0.13954	0.13979
18	0.13317	0.13357	0.13395	0.13432	0.13468	0.13504	0.13538	0.13571	0.13604	0.13635	0.13666	0.13696	0.13725	0.13754	0.13782
19	0.13078	0.13121	0.13163	0.13204	0.13243	0.13281	0.13319	0.13355	0.13390	0.13425	0.13458	0.13491	0.13523	0.13554	0.13584
20	0.12839	0.12886	0.12931	0.12975	0.13018	0.13059	0.13099	0.13139	0.13177	0.13214	0.13250	0.13286	0.13320	0.13354	0.13386
21	0.12600	0.12660	0.12699	0.12746	0.12792	0.12837	0.12880	0.12922	0.12964	0.13004	0.13043	0.13081	0.13118	0.13154	0.13189
22	0.12362	0.12415	0.12467	0.12518	0.12567	0.12615	0.12661	0.12706	0.12750	0.12793	0.12835	0.12875	0.12915	0.12954	0.12991
23	0.12123	0.12180	0.12235	0.12289	0.12341	0.12392	0.12442	0.12490	0.12537	0.12582	0.12627	0.12670	0.12712	0.12753	0.12794
24	0.11884	0.11944	0.12003	0.12060	0.12116	0.12170	0.12222	0.12274	0.12323	0.12372	0.12419	0.12465	0.12510	0.12553	0.12596
25	0.11645	0.11709	0.11771	0.11832	0.11891	0.11948	0.12003	0.12057	0.12110	0.12161	0.12211	0.12260	0.12307	0.12353	0.12398
26	0.11406	0.11474	0.11539	0.11603	0.11665	0.11725	0.11784	0.11841	0.11897	0.11953	0.12008	0.12061	0.12113	0.12163	0.12201
27	0.11167	0.11238	0.11307	0.11374	0.11440	0.11503	0.11565	0.11625	0.11683	0.11741	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	Kim Tel Co	
Cost of Capital Inputs		
Cost of Debt	8.80%	
Debt fraction	44.20%	
Cost of Equity	13.19%	
Equity fraction		55.80%
Weighted equity fraction		65.42%
Overall Cost of Capital		11.25%
Traffic Inputs		
local DEMs, thousands	16,882	
intrastate DEMs, thousands	3,604	
interstate DEMs, thousands	3,559	24,045 total DEMs, thousands
Local call completion fraction	70.00%	
Total local calls attempted	3,825	2,678 Total local calls completed
Total intraLATA calls completed	229	
Total interLATA calls completed - intrastate	230	
Total interLATA calls completed - interstate	490	
local DEM fraction	68.21%	
local interoffice traffic fraction	12.04%	
D link investment, per link	\$ -	
Bus/Res DEMs ratio (local, state, interstate)	110%	200% 300%
entrance facility investment per line	-	
local direct-routed fraction	98.00%	
tandem-routed intraLATA fraction	100.00%	
tandem-routed access fraction	100.00%	
maximum trunk usage, CCS	27.5	
ISUP msgs per i/o call attempt	6	
avg ISUP msg length, octets	25	
TCAP msgs per transaction	2	
TCAP msg length, octets	100	
fraction of calls requiring TCAP	10.00%	
trunk port investment, per port	\$ 100	
Switch line circuit offset per DLC line	\$ -	
Total signaling links	8	
Average trunk utilization	30.00%	
Cost Parameters		
tax rate	39.25%	
corporate overhead factor	10.40%	
other taxes factor	5.00%	
billing/bill inquiry per line per month	\$ 2.30	
directory listing per line per month	\$ -	
forward-looking network operations factor	100.00%	
alternative CO switching factor	4.75%	
alternative circuit equipment factor	1.53%	
EO non-port fraction	70.00%	
per-line monthly LNP cost	\$ 0.25	
Carrier-carrier customer service, per line per year	\$ 1.69	
NID expense per line per year	\$ 1.00	
DS-0/DS-1 terminal factor	12.4	
DS-1/DS-3 terminal factor	9.9	
Average lines per business location	4.00	

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Account	USOA Category	Economic Lives	Net Salvage Percent	Adjusted Projection Lives (years)	Investment
2112	Motor Vehicles	9.28	0.1121	10.45	
2115	Garage Work Equipment	11.04	-0.1071	9.97	
2116	Other Work Equipment	13.47	0.0321	13.92	
2121	Buildings	47.82	0.0187	48.73	
2122	Furniture	17.1	0.0688	18.36	
2123.1	Office Support Equipmen	11.58	0.0691	12.44	
2123.2	Company Comm Equipm	7.69	0.0376	7.99	
2124	Computers	6.36	0.0373	6.61	
2212	Digital Switching	16.66	0.0297	17.17	
2220	Operator Systems	9.33	-0.0082	9.25	
2232.2	Digital Circuit Equipment	10.07	-0.0169	9.90	
2351	Public Telephone	8.26	0.0797	8.98	
	NID, SAI			18.06	Calculated
2411	Poles	15.92	-0.8998	8.38	
2421-m	Aerial Cable - Metallic	16.75	-0.2303	13.61	\$ 60,788
2421-nm	Aerial Cable - Non-Metall	22.24	-0.1753	18.92	\$ 107,556
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	\$ 1,201,180
2423-nm	Buried - Non-Metallic	23.86	-0.0858	21.97	\$ 2,980,347
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	\$ 1,261,969
Average Non-Metallic Cable (calculated)				21.85	\$ 3,087,903

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	3,604,000	
Interstate Toll DEMs	3,559,000	
trunk port usage	41,395,434	
trk-min/mo	10,044	
interLATA ded. trunks	59	
Common Transport MOU		
Local	39,482	w/o OS usage
Intrastate Toll	3,604,000	
Interstate Toll	3,559,000	
	7,202,482	
Intrastate IntraLATA Calls	229	49.89% SOCCC message counts
Intrastate InterLATA Calls	230	50.11%
	459	

Calculation of EO Usage

Local DEMs, incl OS	16,882,000		70.2% of total DEMs	
Intraoffice Local DEMs	14,850,017			
Intraoffice Local Actual Min	7,425,009			
Interoffice Local Actual Min	2,031,983	per end	Dedicated Transport MOU	
Intrastate Toll Actual Min	3,604,000		Local, w/o OS	967,309
Interstate Toll Actual Min	<u>3,559,000</u>		IntraLATA Toll	-
	16,619,991		InterLATA Toll	<u>7,163,000</u>
				8,130,309
Tandem Switch MOU			Dedicated Trunk-SW	67
Local	19,741			
IntraLATA Toll	899,037			
InterLATA Toll	<u>5,364,926</u>			
	6,283,704			

TRANSFORMED REGULATED		1995 COMPANY NAME:	ICO	
		OTHER TAXES & UNCOLLECTIBLES CALCULATION	EXPENSES	NET REVENUES
		7230 OPERATING STATE & LOCAL INCOME TAX-NET	9	
		7240 OPERATING OTHER TAXES	39	
		5300 UNCOLLECTIBLE REVENUES		15
		530 NET REVENUES		946
		GROSS REVENUES (5300 + 530)		961
		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		13
		2121 BUILDINGS		188
6121	2121	TOTAL LAND & BUILDINGS	21	201
				0.103180
6112	2112	2112 MOTOR VEHICLES	1	32
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	25
6122	2122	2122 FURNITURE	2	12
6123	2123	2123 OFFICE EQUIPMENT	3	32
6124	2124	2124 GENERAL PRUPOSE COMPUTERS	31	49
6120	2110	2110 TOTAL LAND & SUPPORT ASSETS	56	353
				0.15965268
		TPIS - CENTRAL OFFICE SWITCHING		
		-		
6211	2211	2211 ANALOG ELECT SWITCH	1	21
6212	2212	2212 DIGITAL ELECTRONIC SWITCHING	35	618
6220	2220	2220 OPERATOR SYSTEMS	1	9
6210	2210	22102221022102210 CENTRAL OFFICE SWITCH	37	648
		TPIS - CENTRAL OFFICE TRANSMISSION		0.056940858
		-		
6232	2232	2232 CIRCUIT EQUIPMENT	7	426
6230	2230	2230 TRANSMISSION	7	445
				0.016263483
		0.01663194		
		TPIS - INFORMATION ORIG/TERM		
		-		
6311	2311	2311 STATION APPARATUS	0	0
				0.382353
6321	2321	2321 CUSTOMER PREMISES WIRING	0	0
				#DIV/0!
6341	2341	2341 LARGE PRIVATE BRANCH EXCHANGE	0	0
				4.500000
6351	2351	2351 PUBLIC TEL TERMINAL EQUIPMENT	3	14
6362	2362	2362 OTHER TERMINAL EQUIPMENT	4	23
6310	2310	2310 TOTAL INFORMATION ORIG/TERM	7	37
				0.182377792
		TPIS - CABLE & WIRE FACILITIES		
		-		
6411	2411	2411 POLES	3	73
6421	2421	2421 AERIAL CABLE	22	346
6422	2422	2422 UNDERGROUND CABLE	4	220
6423	2423	2423 BURIED CABLE	24	612
6441	2441	2441 CONDUIT SYSTEMS	0	125
6410	2410	2410 TOTAL CABLE & WIRE FACILITIES	54	1,391
				0.038842
		240 TOTAL TPIS(BEFORE AMORTIZABLE ASSETS)	107	2,896
		(2110+2210+2220+2230+2310+2410)		0.037062996
		PLANT NON-SPECIFIC OPERATIONS EXPENSES	A. EXPENSES	B. TPIS INVESTMENT
		=	=	C. EXP/INV (A/B)
6512	240	6512 PROVISIONING EXPENSES	1	2,896
				0.000300
6531	240	6531 POWER EXPENSES	5	2,896
				0.001623
6532	240	6532 NETWORK ADMINISTRATION	12	2,896
				0.004102
6533	240	6533 TESTING	12	2,896
				0.004252
6534	240	6534 PLANT OPERATIONS ADMINISTRATION	19	2,896
				0.006391
6535	240	6535 ENGINEERING	10	2,896
				0.003373
6540	240	6540 ACCESS EXPENSE	16	2,896
				0.005573799
6530	240	6530 TOTAL NETWORK OPERATIONS EXPENSES	57	2,896
				0.019740601
6561	240	6561 DEPRECIATION - TPIS	2,896	2,896
				0.0696775250
		65616561656165616561 DEPRECIATION - TPIS	2,896	2,896
				0.0696775250
		NETWORK SUPPORT FACTOR CALCULATION	A. EXPENSES	B. CABLE & WIRE INV
		=	=	C. EXP/INV (A/B)
		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	
		TOTAL NETWORK SUPPORT (EXCL 2113)	1	1,391
				0.001041087
		CUSTOMER OPERATIONS EXPENSES	A. EXPENSES	B. NET REVENUES
		=	=	C. EXP/NET REV (A/B)
6611		6611 PRODUCT MANAGEMENT	8	CALC
6612		6612 SALES	15	CALC
6613		6613 PRODUCT ADVERTISING	5	CALC
6610		6610 TOTAL MARKETING EXPENSES	29	CALC
6621		6621 CALL COMPLETION SERVICE	7	CALC
6622		6622 NUMBER SERVICES	16	CALC
6623		6623 CUSTOMER SERVICES	52	CALC

6620	6620 TOTAL SERVICES EXPENSES	74	CALC
-	700 TOTAL CUSTOMER OPERATIONS EXPENSE (6610 + 6620)	103	CALC
	CORPORATE OPERATIONS EXPENSES	A. EXPENSES	B. REVENUES
			C. EXP/REV (A/B)
6711	6711 EXECUTIVE	4	CALC
6712	6712 PLANNING	2	CALC
6710	6710 TOTAL EXECUTIVE & PLANNING	6	CALC
6721	6721 ACCOUNTING & FINANCE	12	CALC
6722	6722 EXTERNAL RELATIONS	7	CALC
6723	6723 HUMAN RESOURCES	8	CALC
6724	6724 INFORMATION MANAGEMENT	32	CALC
6725	6725 LEGAL	3	CALC
6726	6726 PROCUREMENT	1	CALC
6727	6727 RESEARCH & DEVELOPMENT	2	CALC
6728	6728 OTHER GENERAL & ADMINISTRATIVE	27	CALC
6720	6720 TOTAL GENERAL & ADMINISTRATIVE	93	CALC
	710 TOTAL CORPORATE OPERATIONS EXPENSE (6710 + 6720 + 6790)	123	CALC
	720 TOTAL OPERATING EXPENSES		CALC
	DEM - LOCAL	16,883	
	DEM - INTRASTATE	3,605	
	DEM - INTERSTATE	3,559	
	MESSAGES - INTRALATA	229	
	MESSAGES - INTERLATA - interstate	490	
	MESSAGES - INTERLATA - intrastate	230.4879029	
4308 (EC)	LOCAL CALL ATTEMPTS	3,826	
	LINES - BUSINESS	371	
	RESIDENTIAL	1,007	
	PUBLIC	12	
	SPECIAL	92	
	TOTAL	1,484	
	5081 END USER		63
	5082 SWITCHED ACCESS		141
	5083 SPECIAL ACCESS		26
	TOTAL INTER ACCESS		230
	5084 END USER		
	5084 SWITCHED ACCESS		
	5084 SPECIAL ACCESS		
	STATE ACCESS		118
	TOTAL ACCESS REVENUES		348
	LD MESSAGE REVENUE		
	5100 INTERSTATE MESSAGE		
	5100 INTRASTATE MESSAGE		
	5100 INTERSTATE CALLING PLAN		
	5100 INTRASTATE CALLING PLAN		
	LD MSG REV (CLASS A)		100
	UNIDIRECTIONAL LD		
	5110 INTERSTATE		
	INTRASTATE		
	TOTAL		4
	5120 LD PRIVATE NETWORK		8
	OTHER LD		
	5160 INTERSTATE		
	INTRASTATE		
	TOTAL		1
	TOTAL LD NETWORK REVENUE		
	INTERSTATE		
	INTRASTATE		
	TOTAL		113
	BASIC LOCAL SERVICE		
	5001 BASIC AREA		306
	5002 OPTIONAL EXTEND AREA		9
	5003 CELLAR MOBIL		7
	5004 OTHER MOBIL SVC		1
	TOTAL BASIC SVC		324
	PUBLIC TELEPHONE REVENUE		
	5010 LOCAL PUBLIC MSG		
	UNIVERSAL		
	PB EXCHANGE IX CARRIER		
	CC COINLESS		
	PUBLIC EXH		

Actuals for 1996 (\$000s)

	Investments	Expenses	Calculated Factor	
Plant-Specific Operations Expenses				
TPIS - General Support				
2111 Land	\$ 13	\$ -	-	
2112 Motor Vehicles	\$ 32	\$ 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	\$ 25	\$ 0	0.0113	
2121 Buildings	\$ 188	\$ 21	0.1103	Land & Bldg Exp Applied to Bldgs
2122 Furniture	\$ 12	\$ 2	0.1224	
2123 Office Equipment	\$ 32	\$ 3	0.1015	
2124 General Purpose Computers	\$ 49	\$ 31	0.6381	
2110 Total Land & Support Assets	\$ 353	\$ 58	0.1650	
TPIS - Central Office Switching				
2211 Analog Electronic Switching	\$ 21	\$ 1	0.0453	
2212 Digital Electronic Switching	\$ 618	\$ 35	0.0569	4.75% NET CO Switch Factor
2210 Total Central Office Switching	\$ 638	\$ 36	0.0565	
2220 Operator Systems	\$ 9	\$ 1	0.0675	
TPIS - Central Office Transmission				
2231 Satellite & Earth Station Facilities				
2231 Other Radio Facilities				
2231 Radio Systems				
2232 Circuit Equipment	\$ 426	\$ 7	0.0163	1.53% alternative factor
2230 Total Central Office Transmission	\$ 426	\$ 7	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	\$ 14	\$ 3	0.1881	
2362 Other Terminal Equipment	\$ 23	\$ 4	0.1763	
2310 Total Information Orig/Term	\$ 37	\$ 7	0.1824	
TPIS - Cable & Wire Facilities				
2411 Poles	\$ 73	\$ 3	0.0413	
2421 Aerial Cable	\$ 346	\$ 22	0.0629	0.0629 0.0196 0.0389Alternative fiber cable maintenance factors
2422 Underground Cable	\$ 220	\$ 4	0.0196	
2423 Buried Cable	\$ 612	\$ 24	0.0389	
2424 Submarine Cable				
2425 Deep Sea Cable				
2426 Intrabuilding Network Cable				
2431 Aerial Wire				
2441 Conduit Systems	\$ 125	\$ 0	0.0037	
2410 Total Cable & Wire Facilities	\$ 1,377	\$ 53	0.0388	
240 Total TPIS (before amortizable assets)	\$ 2,487	\$ 162	0.0652	
Plant Non-Specific Operations Expenses				
	Expenses	Investment	Factor	
6512 Provisioning Expenses	\$ 1	\$ 2,487	0.0003	
6531 Power Expenses	\$ 5	\$ 2,487	0.0019	8.10% all
6532 Network Administration	\$ 12	\$ 2,487	0.0048	20.47% switching, interoffice
6533 Testing	\$ 12	\$ 2,487	0.0050	21.22% all
6534 Plant Operations Administration	\$ 19	\$ 2,487	0.0074	31.89% all
6535 Engineering	\$ 10	\$ 2,487	0.0039	16.83% all
6540 Access Expense				
6530 Total Network Operations Expenses (includes provisioning)	\$ 58	\$ 2,487	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			1,484
6113 Aircraft	\$ 0			
6114 Special Purpose Vehicles	\$ 0			
6115 Garage Work Equipment	\$ 0			
6116 Other Work Equipment	\$ 0			
Aircraft & Special Purpose Vehicles	\$ 1	\$ 1,377	0.0011	\$ 39.11
				annual net ops per line

Customer Operations Expenses

	Expenses		Net Revenues		Factor		
6611 Product Management *	\$	8	\$	0.4638	\$	496	0.0166
6612 Sales *	\$	15	\$	0.8522	\$	496	0.0306
6613 Product Advertising	\$	5			\$	496	0.0110
6610 Total Marketing Expenses	\$	29					0.0582
6621 Call Completion Service	\$	7			\$	496	0.0131
6622 Number Services	\$	16	\$	0.8863	\$	496	0.0318
6623 Customer Services	\$	52	\$	2.9168	\$	496	0.1046
6620 Total Services Expenses	\$	74	\$	4.23			0.1495
Billing/bill inquiry (per line/month)	\$	2.30					
Directory listing (per line/month)		-					
700 Total Customer Operations Expenses	\$	103.13			\$	496	0.2078
							0.2442

Corporate Operations Expenses

Corporate Operations Expense		Expenses	Revenues	Factor		
6711 Executive	\$	4	\$	496	0.0079	
6712 Planning	\$	2	\$	496	0.0039	
6710 Total Executive & Planning	\$	6	\$	496	0.0117	
6721 Accounting & Finance	\$	12	\$	496	0.0237	
6722 External Relations	\$	7	\$	496	0.0144	
6723 Human Resources	\$	8	\$	496	0.0171	
6724 Information Management	\$	32	\$	496	0.0653	
6725 Legal	\$	3	\$	496	0.0055	
6726 Procurement	\$	1	\$	496	0.0030	
6727 Research & Development	\$	2	\$	496	0.0038	
6728 Other General & Administrative	\$	27	\$	496	0.0554	
6720 Total General & Administrative	\$	93	\$	496	0.1880	
710 Total Corporate Operations Expense	\$	99	\$	496	0.1040	0.2347
720 Total Operating Expenses	\$	422				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	\$ 12	\$ 32	\$ 49	\$ 32	\$ 94	\$ 1	\$ 25
Investment/TPIS	0.005	0.013	0.020	0.013	0.038	0.000	0.010
Expense	\$ 2	\$ 3	\$ 31	\$ 1	\$ 10	\$ 0	\$ 0
Expense Factor	0.122	0.101	0.638	0.035	0.110	0.035	0.011
Model TPIS	\$ 9,848	\$ 9,848	\$ 9,848	\$ 9,848	\$ 9,848	\$ 9,848	\$ 9,848
Calculated Investment	\$ 49	\$ 125	\$ 192	\$ 129	\$ 372	\$ 4	\$ 100
Calculated Expense	\$ 6	\$ 13	\$ 123	\$ 4	\$ 41	\$ 0	\$ 1
Subtotal (\$s)	\$ 83,071						
Total Misc Expense	\$ 83,071						

Other Taxes & Uncollectibles Calculation

	Expenses		Net Revenues		Factor
7230 Operating State & Local Income Tax	\$	9	\$	(48)	
7240 Operating Other Taxes	\$	39	\$	(48)	0.0500
5300 Uncollectible Revenues	\$	15	\$	496	0.0301
retail					0.0227
wholesale					0.0043
Ratio of Net Plant to TPIS					
TPIS	\$	2,487			
Net Plant	\$	2,487			
Ratio	\$	1			
Model Investment	\$	-			
Model % of Net Plant	\$	-			
Model % of TPIS		0%			

Actual 1996 Revenue

		% of total
Interstate Access		
5081 End User	\$ 63	8.26%
5082 Switched Access	\$ 141	18.49%
5083 Special Access	\$ 26	3.40%
Total Inter Access	\$ 230	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	\$ 230	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	\$ 100	13.08%
Unidirectional LD Revenue		
5110 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 4	0.48%
LD Private Network Revenue		
5120 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 8	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	\$ 113	14.81%

Basic Local Service		
5001 Basic Area	\$ 306	40.21%
5002 Optional Extended Area	\$ 9	1.23%
5003 Cellular Mobile	\$ 7	0.95%
5004 Other Mobile Svcs	\$ 1	0.08%
Total Basic Local Service	\$ 324	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	\$ 9	1.18%
Local Private Line Revenue		
5040 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total Private Line	\$ 11	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	\$ 75	9.89%
Total Local Network Service Revenue		
Interstate	\$ -	0.00%
Intrastate	\$ 420	55.04%
Total Revenue	\$ 762	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\HMWKMO4219001.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

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User Adjustable Inputs

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

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User Adjustable Inputs

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

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User Adjustable Inputs

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

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User Adjustable Inputs

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

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User Adjustable Inputs

Switching Input	Current Scenario Value	Default Scenario Value	Expense Input	Current Scenario Value	Default Scenario Value
Constant EO Switching Investment Term, small ICO	520.14	520.14	Cost of Debt	0.088	0.088
Constant EO Switching Investment Term, BOC and large ICO	242.73	242.73	Debt Fraction	0.442	0.442
Switch Capacity Real-Time (BHCA) - 1	10,000	10,000	Cost of Equity	0.132	0.132
Switch Capacity Real-Time (BHCA) - 2	50,000	50,000	Average Trunk Utilization	0.300	0.300
Switch Capacity Real-Time (BHCA) - 3	200,000	200,000	Tax Rate	0.393	0.393
Switch Capacity Real-Time (BHCA) - 4	600,000	600,000	Corporate Overhead Factor	0.104	0.104
Switch Capacity Traffic (BHCCS) - 1	30,000	30,000	Other Taxes Factor	0.050	0.050
Switch Capacity Traffic (BHCCS) - 2	150,000	150,000	Billing/Bill Inquiry per line per month	2.300	2.300
Switch Capacity Traffic (BHCCS) - 3	600,000	600,000	Directory Listing per line per month	-	-
Switch Capacity Traffic (BHCCS) - 4	1,800,000	1,800,000	Forward-looking Network Operations Factor	1.000	1.000
Initial Switch Maximum Equipped Line Size	80,000	80,000	Alternative CO Switching Factor	0.048	0.048
Switch Port Administrative Fill	0.94	0.94	Alternative Circuit Equipment Factor	0.015	0.015
Switch Maximim Processor Occupancy	0.90	0.90	EO Traffic Sensitive Fraction	0.700	0.700
Processor Feature Loading Multiplier - normal	1.20	1.20	Monthly LNP cost, per line	0.250	0.250
Processor Feature Loading Multiplier - heavy business	2.00	2.00	Carrier to Carrier Customer Service, per line per ye	1.69	1.69
Processor Feature Loading Multiplier - business penetration threshold	0.30	0.30	NID Expense per line per year	1.00	1.00
MDF/Protector Investment per line	-	-	DS-0/DS-1 Terminal Factor	12.4	12.4
Analog Line Circuit Offset for DLC lines, per line	-	-	DS-1/DS-3 Terminal Factor	9.9	9.9
Switch Installation Multiplier	1.00	1.00	Average Lines per Business Location	4	4
Operator Traffic Fraction	0.02	0.02	Distribution Aerial Shring Fraction - 0	1.00	1.00
Total Interoffice Traffic Fraction	0.40	0.40	Distribution Aerial Shring Fraction - 5	1.00	1.00
Maximum Trunk Occupancy, CCS	27.50	27.50	Distribution Aerial Shring Fraction - 100	1.00	1.00
Trunk Port, per end	100.00	100.00	Distribution Aerial Shring Fraction - 200	0.50	0.50
Entrance Facility Distance, miles	0.50	0.50	Distribution Aerial Shring Fraction - 650	0.50	0.50
Direct-routed Fraction of Local Interoffice	0.98	0.98	Distribution Aerial Shring Fraction - 850	0.50	0.50
POPs per Tandem Location	5.00	5.00	Distribution Aerial Shring Fraction - 2550	0.50	0.50
Tandem-routed Fraction of Total IntraLATA Traffic	1.00	1.00	Distribution Aerial Shring Fraction - 5000	0.50	0.50
Tandem-routed Fraction of Total InterLATA Traffic	1.00	1.00	Distribution Aerial Shring Fraction - 10000	0.50	0.50
Local Call Attempts	3,825	3,825	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	229	229	Distribution Buried Shring Fraction - 100	1.00	1.00
InterLATA intrastate Calls Completed	230	230	Distribution Buried Shring Fraction - 200	1.00	1.00
InterLATA interstate Calls Completed	490	490	Distribution Buried Shring Fraction - 650	1.00	1.00
Local DEMs, thousands	16,882	16,882	Distribution Buried Shring Fraction - 850	1.00	1.00
Intrastate DEMs, thousands	3,604	3,604	Distribution Buried Shring Fraction - 2550	1.00	1.00
Interstate DEMs, thousands	3,559	3,559	Distribution Buried Shring Fraction - 5000	1.00	1.00
Local Business/Residence DEMs	1.10	1.10	Distribution Buried Shring Fraction - 10000	1.00	1.00
Intrastate Business/Residence DEMs	2.00	2.00	Distribution Underground Shring Fraction - 0	1.00	1.00
Interstate Business/Residence DEMs	3.00	3.00	Distribution Underground Shring Fraction - 5	1.00	1.00
BH Fraction of Daily Usage	0.10	0.10	Distribution Underground Shring Fraction - 100	1.00	1.00
Annual to Daily Usage Reduction Factor	270.00	270.00	Distribution Underground Shring Fraction - 200	1.00	1.00
Residential Holding Time Multiplier	1.00	1.00	Distribution Underground Shring Fraction - 650	1.00	1.00
Business Holding Time Multiplier	1.00	1.00	Distribution Underground Shring Fraction - 850	1.00	1.00
Residential Call Attempts per BH	1.30	1.30	Distribution Underground Shring Fraction - 2550	1.00	1.00
Business Call Attempts per BH	3.50	3.50	Distribution Underground Shring Fraction - 5000	1.00	1.00
ICO STP Investment, per line (equipment)	5.50	5.50	Distribution Underground Shring Fraction - 10000	1.00	1.00
ICO Local Tandem Investment, per line	1.90	1.90	Feeder Aerial Shring Fraction - 0	1.00	1.00
ICO OS Tandem Investment, per line	0.80	0.80	Feeder Aerial Shring Fraction - 5	1.00	1.00
ICO SCP Investment per line (equipment)	2.50	2.50	Feeder Aerial Shring Fraction - 100	1.00	1.00
ICO SCP - STP per line (wirecenter)	0.40	0.40	Feeder Aerial Shring Fraction - 200	0.50	0.50
ICO Local Tandem Investment, per line (wirecenter)	2.50	2.50	Feeder Aerial Shring Fraction - 650	0.50	0.50
ICO OS Tandem Investment, per line (wirecenter)	1.00	1.00	Feeder Aerial Shring Fraction - 850	0.50	0.50

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User Adjustable Inputs

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

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User Adjustable Inputs

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

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User Adjustable Inputs

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

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User Adjustable Inputs

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