

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	225	-	225	-	-	-	221	\$	-	\$	-	\$	322,494	\$	15,865	\$	-	\$	-	\$	184,854		
5	DLC	108	-	108	-	-	-	107	\$	-	\$	-	\$	185,157	\$	9,142	\$	-	\$	-	\$	88,942		
100	DLC																							
200	DLC																							
650	DLC																							
850	DLC																							
2550	DLC																							
5000	DLC																							
10000	DLC																							
0	non-DLC																							
5	non-DLC																							
100	non-DLC	996	164	804	27	2	12	784	\$	-	\$	37,261	\$	1,886	\$	-	\$	-	\$	-	\$	1,137	\$	-
200	non-DLC																							
650	non-DLC																							
850	non-DLC																							
2550	non-DLC																							
5000	non-DLC																							
10000	non-DLC																							
Totals/Avg		1,330	164	1,137	27	2	12	1,112	\$	-	\$	37,261	\$	1,886	\$	-	\$	-	\$	-	\$	1,137	\$	273,797

HA

density zone (lines/sq mi)	feeder type	feeder pole inv	distribution cable underground	distribution cable buried	distribution cable aerial	distribution conduit	distribution conduit placement	distribution buried placement	distribution poles	calc copper feeder fill	calc distribution fill	calc "mainframe fill"	DLC inv w/site	SAI inv	terminal inv	drop inv	NID inv	feeder distance
0	DLC	\$ 4,077	\$ -	\$ 214,078	\$ 10,834	\$ -	\$ -	\$ 292,047	\$ 17,514	0.00%	31.17%	0.00%	\$ 117,900	\$ 3,050	\$ 18,899	\$ 23,745	\$ 6,431	110,797
5	DLC	\$ 1,962	\$ -	\$ 84,021	\$ 4,252	\$ -	\$ -	\$ 125,334	\$ 7,923	0.00%	37.40%	0.00%	\$ 67,500	\$ 1,450	\$ 9,093	\$ 11,456	\$ 3,106	60,284
100	DLC																	
200	DLC																	
650	DLC																	
850	DLC																	
2550	DLC																	
5000	DLC																	
10000	DLC																	
0	non-DLC																	
5	non-DLC																	
100	non-DLC	\$ 18,041	\$ -	\$ 670,306	\$ 33,922	\$ -	\$ -	\$ 253,905	\$ 16,263	55.35%	27.67%	55.35%	\$ -	\$ 6,000	\$ 41,816	\$ 61,402	\$ 25,571	2,357
200	non-DLC																	
650	non-DLC																	
850	non-DLC																	
2550	non-DLC																	
5000	non-DLC																	
10000	non-DLC																	
Totals/Avg		\$ 24,079	\$ -	\$ 968,405	\$ 49,008	\$ -	\$ -	\$ 671,287	\$ 41,700				\$ 185,400	\$ 10,500	\$ 69,809	\$ 96,603	\$ 35,108	173,438

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	173,683	225	\$	94,666	\$	-	\$	14,686	\$	2,592	\$	428	\$	563	\$	180	\$	225	\$	2,178	\$	330	\$	14,008	\$	393	\$	286	\$	-		
5	DLC	74,537	108	\$	45,548	\$	-	\$	7,066	\$	1,247	\$	206	\$	271	\$	87	\$	108	\$	1,048	\$	159	\$	6,740	\$	189	\$	138	\$	-		
100	DLC																																
200	DLC																																
650	DLC																																
850	DLC																																
2550	DLC																																
5000	DLC																																
10000	DLC																																
0	non-DLC																																
5	non-DLC																																
100	non-DLC	150,999	-	\$	407,711	\$	-	\$	63,249	\$	11,162	\$	1,842	\$	2,424	\$	776	\$	970	\$	9,381	\$	1,422	\$	61,991	\$	1,738	\$	1,265	\$	-		
200	non-DLC																																
650	non-DLC																																
850	non-DLC																																
2550	non-DLC																																
5000	non-DLC																																
10000	non-DLC																																
Totals/Avg		399,219	333	\$	547,925	\$	-	\$	85,000	\$	15,000	\$	2,476	\$	3,258	\$	1,042	\$	1,303	\$	12,608	\$	1,911	\$	-	\$	82,739	\$	2,319	\$	1,688	\$	-

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		\$ 11,096	\$	\$ 4,745	\$ 133	\$ 97	\$ -		\$ 3,758		\$ 6,250	\$ 175	\$ 128	\$ -		\$ 4,950	2
5	DLC		\$ 5,339	\$	\$ 2,283	\$ 64	\$ 47	\$ -		\$ 1,808		\$ 3,007	\$ 84	\$ 61	\$ -		\$ 2,382	1
100	DLC																	
200	DLC																	
650	DLC																	
850	DLC																	
2550	DLC																	
5000	DLC																	
10000	DLC																	
0	non-DLC																	
5	non-DLC																	
100	non-DLC	\$	49,103	\$	\$ 20,997	\$ 589	\$ 428	\$ -		\$ 16,632		\$ 27,657	\$ 775	\$ 564	\$ -		\$ 21,907	9
200	non-DLC																	
650	non-DLC																	
850	non-DLC																	
2550	non-DLC																	
5000	non-DLC																	
10000	non-DLC																	
Totals/Avg		\$ -	\$ 65,538	\$ -	\$ 28,025	\$ 786	\$ 572	\$ -	\$ -	\$ 22,198	\$ -	\$ 36,914	\$ 1,035	\$ 753	\$ -	\$ -	\$ 29,240	12

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	1	0	3	5	7	1	563	\$ 90	\$ 1,238	\$ 612	\$ 277	3,515,125	-	1,396,435
5	DLC	0	0		2	3	1	271	\$ 43	\$ 596	\$ 295	133	1,691,293	-	678,558
100	DLC														-
200	DLC														-
650	DLC														-
850	DLC														-
2550	DLC														-
5000	DLC														-
10000	DLC														-
0	non-DLC														-
5	non-DLC														-
100	non-DLC	2	1	13	21	31	6	2,424	\$ 388	\$ 5,333	\$ 2,636	\$ 1,194	12,550,569	3,790,013	1,882,067
200	non-DLC														-
650	non-DLC														-
850	non-DLC														-
2550	non-DLC														-
5000	non-DLC														-
10000	non-DLC														-
Totals/Avg		3	1	17	28	42	8	3,258	\$ 521	\$ 7,167	\$ 3,543	\$ 1,605	17,756,987	3,790,013	3,957,060

Universal Service Calculation Sheet - monthly costs per line

Missouri
Lathrop Telephone Company

	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	\$ 122.52	\$ 123.85	\$ 26.55	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 51.22
Port	3.82	3.82	3.82	-	-	-	-	-	-	3.82
End office usage	5.08	5.08	5.08	-	-	-	-	-	-	5.08
Signaling	0.05	0.05	0.05	-	-	-	-	-	-	0.05
Transport	0.97	0.97	0.97	-	-	-	-	-	-	0.97
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	\$ 135.48	\$ 136.81	\$ 39.50	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 64.17
@ Residence usage per line	\$ 135.36	\$ 136.69	\$ 39.39	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 67.65
@ Business usage per line	\$ 136.27	\$ 137.59	\$ 40.29	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40.29
Total switched lines	225	108	970	-	-	-	-	-	-	1,303
Primary residence lines	221	107	784	-	-	-	-	-	-	1,112
Secondary residence lines	4	1	20	-	-	-	-	-	-	25
Single line business lines	-	-	12	-	-	-	-	-	-	12
Multiline business lines	-	-	151	-	-	-	-	-	-	151
Public lines	-	-	2	-	-	-	-	-	-	2
FEDERAL FUND ANALYSIS										
Annual Support										
for line types:	Specify	Bench								
Primary residence lines	X	\$31.00	\$ 277,066	\$ 135,585	\$ 78,904	\$ -	\$ -	\$ -	\$ -	\$ 491,555
Secondary residence lines		\$31.00	\$ 4,868	\$ 1,795	\$ 1,997	\$ -	\$ -	\$ -	\$ -	\$ 8,660
Single line business lines	X	\$51.00	\$ 0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Multiline business lines		\$51.00	\$ 0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Public lines		\$51.00	\$ 0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
Support cost if all lines supported			\$ 281,934	\$ 137,379	\$ 80,901	\$ -	\$ -	\$ -	\$ -	\$ 500,215
Total annual support for specified lines										
@25% Federal allocation			\$ 69,267	\$ 33,896	\$ 19,726	\$ -	\$ -	\$ -	\$ -	\$ 122,889
@Implied 75% State allocation			\$ 207,800	\$ 101,688	\$ 59,178	\$ -	\$ -	\$ -	\$ -	\$ 368,666

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

\$20.00	\$ 306,269	\$ 149,696	\$ 182,385	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 638,349
\$30.00	\$ 279,721	\$ 136,867	\$ 88,312	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 504,900
\$40.00	\$ 253,173	\$ 124,039	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 377,212
\$50.00	\$ 226,625	\$ 111,211	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 337,836
\$60.00	\$ 200,077	\$ 98,383	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 298,460
\$70.00	\$ 173,528	\$ 85,555	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 259,083
\$80.00	\$ 146,980	\$ 72,727	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 219,707

STATE FUND ANALYSIS																
Annual Support for line types:		Specify	Bench mark													
Primary residence lines	X	\$31.00	\$	277,066	\$	135,585	\$	78,904	\$	-	\$	-	\$	-	\$ 491,555	
Secondary residence lines		\$31.00	\$	4,868	\$	1,795	\$	1,997	\$	-	\$	-	\$	-	\$ 8,660	
Single line business lines	X	\$51.00	\$	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$ 0	
Multiline business lines		\$51.00	\$	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$ 0	
Public lines		\$51.00	\$	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$ 0	
Support cost if all lines supported			\$	281,934	\$	137,379	\$	80,901	\$	-	\$	-	\$	-	\$ 500,215	
Total annual support for specified lines				\$	277,066	\$	135,585	\$	78,904	\$	-	\$	-	\$	-	\$ 491,555
@75% State allocation				\$	207,800	\$	101,688	\$	59,178	\$	-	\$	-	\$	-	\$ 368,666
@Implied 25% Federal allocation				\$	69,267	\$	33,896	\$	19,726	\$	-	\$	-	\$	-	\$ 122,889

TOTAL FUND ANALYSIS														
25% Federal allocation from Federal Fund Analysis	\$	69,267	\$	33,896	\$	19,726	\$	-	\$	-	\$	-	\$	122,889
75% State allocation from State Fund Analysis	\$	207,800	\$	101,688	\$	59,178	\$	-	\$	-	\$	-	\$	368,666
Total Federal + State fund	\$	277,066	\$	135,585	\$	78,904	\$	-	\$	-	\$	-	\$	491,555

Module release date: 11/4/1997

COST OF NETWORK ELEMENTS

**Missouri
Lathrop Telephone Company**

Loop elements	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
NID										
Annual Cost	\$ 1,661	\$ 802	\$ 6,545	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,008
Unit Cost/month	0.61	0.62	0.55	-	-	-	-	-	-	0.56
Loop Distribution (DLC)										
Annual Cost	\$ 153,890	\$ 64,580	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 218,469
Unit Cost/month	56.97	49.68	-	-	-	-	-	-	-	54.60
Loop Distribution (non-DLC)										
Annual Cost	\$ -	\$ -	\$ 287,487	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 287,487
Unit Cost/month	-	-	24.05	-	-	-	-	-	-	24.05
Loop Distribution (all)										
Annual Cost	\$ 153,890	\$ 64,580	\$ 287,487	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 505,956
Unit Cost/month	56.97	49.68	24.05	-	-	-	-	-	-	31.71
Loop Concentration (DLC)										
Annual Cost	\$ 33,715	\$ 19,232	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,947
Unit Cost/month	12.48	14.80	-	-	-	-	-	-	-	13.23
Loop Concentration (non-DLC)										
Annual Cost	\$ -	\$ -	\$ 1,435	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,435
Unit Cost/month	-	-	0.12	-	-	-	-	-	-	0.12
Loop Concentration (all)										
Annual Cost	\$ 33,715	\$ 19,232	\$ 1,435	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 54,382
Unit Cost/month	12.48	14.80	0.12	-	-	-	-	-	-	3.41
Loop Feeder (DLC)										
Annual Cost	\$ 136,438	\$ 73,798	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 210,236
Unit Cost/month	50.51	56.78	-	-	-	-	-	-	-	52.54
Loop Feeder (non-DLC)										
Annual Cost	\$ -	\$ -	\$ 16,812	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,812
Unit Cost/month	-	-	1.41	-	-	-	-	-	-	1.41
Loop Feeder (all)										
Annual Cost	\$ 136,438	\$ 73,798	\$ 16,812	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 227,048
Unit Cost/month	50.51	56.78	1.41	-	-	-	-	-	-	14.23
Total Loop (DLC)										
Annual Cost	\$ 325,704	\$ 158,411	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 484,115
Unit Cost/month	120.57	121.87	-	-	-	-	-	-	-	120.99
Total Loop (non-DLC)										
Annual Cost	\$ -	\$ -	\$ 312,279	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 312,279
Unit Cost/month	-	-	26.12	-	-	-	-	-	-	26.12
Total Loop (all)										
Annual Cost	\$ 325,704	\$ 158,411	\$ 312,279	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 796,394
Unit Cost/month	120.57	121.87	26.12	-	-	-	-	-	-	49.91
Total lines	225	108	996	-	-	-	-	-	-	1,330
Total lines served by DLC	225	108	-	-	-	-	-	-	-	333

	Annual Cost	Units	Unit Cost
End office switching	\$ 196,085		
Line Port	58,826	1,303 switched lines	\$ 3.76 per line/month
Non-Line Port	137,260	14,893,363 actual minutes	\$ 0.00922 per actual minute (for rate per DEM, see "Cost detail" sheet)
Signaling network elements	\$ 4,251		
Links	1,039	2 links	\$ 44.19 per link per month
STP	2,103	8,431,055 TCAP+ISUP msgs	\$ 0.00025 per signaling message
SCP	1,109	855,600 TCAP queries	\$ 0.00130 per query
Transport network elements			
<i>Dedicated</i>			
Sw+Sp Transport	\$ 10,639	28 trunks	\$ 32.05 per DS-0 equivalent per month
Switched	385	1 trunks	\$ 0.00319 per minute
Special	10,254	27 trunks	
Transmission Terminal	8,664	28 trunks	\$ 26.10 per DS-0 equivalent per month
			\$ 0.00260 per minute
			\$ 0.00579 total per minute
<i>Common</i>			
Transport	\$ 23,845	6,454,377 minutes	\$ 0.00319 per minute per leg (orig or term)
Transmission Terminal	19,420	6,454,377 minutes	\$ 0.00260 per minute
			\$ 0.00579 total per minute
<i>Direct</i>			
Transport	\$ 8,077	866,741 minutes	\$ 0.00932 per minute
Transmission Terminal	6,578	866,741 minutes	\$ 0.00759 per minute
			\$ 0.01691 total per minute
Tandem switch	\$ 1,926	5,631,153 minutes	\$ 0.00034 per minute
Operator systems	\$ 9,334		
Public Telephones	\$ 845		
Total (w/ Public)	\$ 1,086,057		
Total cost of switched network elements (w/o Public)	\$ 67.19 per line/month		

	interconnected at		
	end office	tandem	wtd average
Local interconnection			
EO switching	\$ 0.00922	\$ 0.00922	
ISUP	\$ 0.00044	\$ 0.00044	
Common Transport	\$ -	\$ 0.00579	
Tandem Switching	\$ -	\$ 0.00034	
TOTAL	\$ 0.00966	\$ 0.01579	n/a

IXC switched access			
EO switching	\$ 0.00922	\$ 0.00922	
ISUP	\$ 0.00044	\$ 0.00044	
Dedicated Transport	\$ 0.00579	\$ 0.00579	
Common Transport	\$ -	\$ 0.00579	
Tandem Switching	\$ -	\$ 0.00034	
TOTAL	\$ 0.01545	\$ 0.02158	\$ 0.02158

Signaling detail			
cost per 800 call attempt (TCAP)	\$ 0.0031		
ISUP cost/transaction	\$ 0.00232		
ISUP cost/completion	0.0033		
IXC switched access MOU/comp	7.45		
ISUP cost/min	\$ 0.000445		
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	137,260
Total DEMs	21,547,000
Cost per DEM \$	0.00637

Dedicated Transport Costs Per Trunk

DS-0 per month	
Transport per month	\$ 32.05
Terminal per month *	\$ 323.66
TOTAL	\$ 355.71

DS-1 per month	
Transport per month	\$ 769.20
Terminal per month	\$ 626.44
TOTAL	\$ 1,395.64

DS-3 per month	
Transport per month	\$ 21,537.71
Terminal per month	\$ 1,771.74
TOTAL	\$ 23,309.46

Trunk Port Costs

per trunk port (DS-0 equivalent) per month	\$ 2.98
per trunk port minute	\$ 0.000297

total EO usage per minute	\$ 0.009216
trk port/min	\$ 0.000297
other	\$ 0.008919

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	weighted average
calculated distribution fill (DLC)	31.2%	37.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	33.2%
calculated distribution fill (non-DLC)	0.0%	0.0%	27.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	27.7%
weighted average										29.1%

Per DS0 Transport Calculations

Entrance Facility Investment per Line	\$ -
Total Dedicated Terminal Investment	29,240
Total Lines	1,330
Total Dedicated Terminal Investment per line	\$ 22
Entrance Facility percent to total	\$ -
Terminal Investment per DS-0	\$ 1,057
Transport Investment per DS-0	\$ 1,399

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	\$ 1,029	\$ 497	\$ 4,092	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,618
Network Expenses	\$ 221	\$ 107	\$ 825	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,153
Direct expense	\$ 1,250	\$ 604	\$ 4,916	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,771
Investment	\$ 6,431	\$ 3,106	\$ 25,571	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	35,108
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 402	\$ 194	\$ 1,579	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,175
Total	\$ 1,652	\$ 798	\$ 6,495	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	8,945
with carrier-to-carrier	\$ 1,654	\$ 799	\$ 6,517	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	8,969
Distribution (DLC)										
Annual Capital Cost	\$ 93,121	\$ 39,089	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	132,210
Network Expenses	\$ 22,734	\$ 9,530	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	32,265
Direct expense	\$ 115,856	\$ 48,619	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	164,475
Investment	\$ 577,117	\$ 242,080	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	819,197
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 37,210	\$ 15,615	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	52,825
Total	\$ 153,066	\$ 64,234	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	217,300
with carrier-to-carrier	\$ 153,223	\$ 64,300	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	217,522
Distribution (non-DLC)										
Annual Capital Cost	\$ -	\$ -	\$ 173,210	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	173,210
Network Expenses	\$ -	\$ -	\$ 42,737	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	42,737
Direct expense	\$ -	\$ -	\$ 215,947	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	215,947
Investment	\$ -	\$ -	\$ 1,077,615	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,077,615
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ -	\$ -	\$ 69,357	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	69,357
Total	\$ -	\$ -	\$ 285,304	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	285,304
with carrier-to-carrier	\$ -	\$ -	\$ 286,240	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	286,240
Distribution (all)										
Annual Capital Cost	\$ 93,121	\$ 39,089	\$ 173,210	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	305,420
Network Expenses	\$ 22,734	\$ 9,530	\$ 42,737	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	75,002
Direct expense	\$ 115,856	\$ 48,619	\$ 215,947	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	380,422
Investment	\$ 577,117	\$ 242,080	\$ 1,077,615	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,896,812
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 37,210	\$ 15,615	\$ 69,357	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	122,182
Total	\$ 153,066	\$ 64,234	\$ 285,304	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	502,604
with carrier-to-carrier	\$ 153,223	\$ 64,300	\$ 286,240	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	503,763
Concentrator (DLC)										
Annual Capital Cost	\$ 23,519	\$ 13,418	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	36,936
Network Expenses	\$ 1,864	\$ 1,061	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,925
Direct expense	\$ 25,382	\$ 14,479	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	39,861
Investment	\$ 120,950	\$ 68,950	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	189,900
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 8,152	\$ 4,650	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	12,802
Total	\$ 33,535	\$ 19,129	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	52,663
with carrier-to-carrier	\$ 33,569	\$ 19,148	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	52,717
Concentrator (non-DLC)										
Annual Capital Cost	\$ -	\$ -	\$ 960	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	960
Network Expenses	\$ -	\$ -	\$ 118	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	118
Direct expense	\$ -	\$ -	\$ 1,078	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,078
Investment	\$ -	\$ -	\$ 6,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,000
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ -	\$ -	\$ 346	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	346
Total	\$ -	\$ -	\$ 1,424	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,424
with carrier-to-carrier	\$ -	\$ -	\$ 1,428	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,428
Concentrator (all)										
Annual Capital Cost	\$ 23,519	\$ 13,418	\$ 960	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	37,896
Network Expenses	\$ 1,864	\$ 1,061	\$ 118	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,042
Direct expense	\$ 25,382	\$ 14,479	\$ 1,078	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	40,939
Investment	\$ 120,950	\$ 68,950	\$ 6,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	195,900
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 8,152	\$ 4,650	\$ 346	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	13,149
Total	\$ 33,535	\$ 19,129	\$ 1,424	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	54,087
with carrier-to-carrier	\$ 33,569	\$ 19,148	\$ 1,428	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	54,146
Feeder (DLC)										
Annual Capital Cost	\$ 81,826	\$ 44,247	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	126,073
Network Expenses	\$ 20,891	\$ 11,312	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	32,203
Direct expense	\$ 102,717	\$ 55,559	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	158,276
Investment	\$ 527,290	\$ 285,203	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	812,493
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 32,990	\$ 17,844	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	50,834
Total	\$ 135,707	\$ 73,403	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	209,110
with carrier-to-carrier	\$ 135,846	\$ 73,478	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	209,324
Feeder (non-DLC)										
Annual Capital Cost	\$ -	\$ -	\$ 10,273	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	10,273
Network Expenses	\$ -	\$ -	\$ 2,356	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,356
Direct expense	\$ -	\$ -	\$ 12,629	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	12,629

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	\$ -	\$ -	\$ 58,324	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 58,324
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Support & Overhead per direct exp.	\$ -	\$ -	\$ 4,056	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,056
Total	\$ -	\$ -	\$ 16,685	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,685
with carrier-to-carrier	\$ -	\$ -	\$ 16,740	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,740
Feeder (all)										
Annual Capital Cost	\$ 81,826	\$ 44,247	\$ 10,273	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 136,345
Network Expenses	\$ 20,891	\$ 11,312	\$ 2,356	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 34,559
Direct expense	\$ 102,717	\$ 55,559	\$ 12,629	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 170,905
Investment	\$ 527,290	\$ 285,203	\$ 58,324	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 870,818
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Support & Overhead per direct exp.	\$ 32,990	\$ 17,844	\$ 4,056	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 54,890
Total	\$ 135,707	\$ 73,403	\$ 16,685	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 225,795
with carrier-to-carrier	\$ 135,846	\$ 73,478	\$ 16,740	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 226,064
End Office Switching										
Annual Capital Cost	\$ 17,973	\$ 8,648	\$ 77,406	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 104,027
Network Expenses	\$ 6,116	\$ 2,943	\$ 26,341	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 35,400
Direct expense	\$ 24,089	\$ 11,590	\$ 103,747	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 139,427
Investment	\$ 111,943	\$ 53,861	\$ 482,121	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 647,925
Support expenses	\$ 5,354	\$ 2,573	\$ 29,039	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 36,966
Subtotal, with misc spt	\$ 29,443	\$ 14,164	\$ 132,786	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 176,392
Total, with var overhead	\$ 32,505	\$ 15,637	\$ 146,596	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 194,737
with carrier-to-carrier	\$ 32,538	\$ 15,652	\$ 147,045	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 195,235
Signaling										
Annual Capital Cost	\$ 403	\$ 194	\$ 1,736	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,332
Network Expenses	\$ 119	\$ 57	\$ 513	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 690
Direct expense	\$ 522	\$ 251	\$ 2,249	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,022
Investment	\$ 2,503	\$ 1,204	\$ 10,781	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,488
Support expenses	\$ 116	\$ 56	\$ 629	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 801
Subtotal, with misc spt	\$ 638	\$ 307	\$ 2,878	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,824
Total, with var overhead	\$ 705	\$ 339	\$ 3,178	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,221
with carrier-to-carrier	\$ 705	\$ 339	\$ 3,187	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,232
Dedicated Transport										
Annual Capital Cost	\$ 1,021	\$ 491	\$ 4,519	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,031
Network Expenses	\$ 259	\$ 125	\$ 1,147	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,531
Direct expense	\$ 1,280	\$ 616	\$ 5,666	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,563
Investment	\$ 6,553	\$ 3,153	\$ 28,997	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 38,702
Support expenses	\$ 285	\$ 137	\$ 1,586	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,007
Subtotal, with misc spt	\$ 1,565	\$ 753	\$ 7,252	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,570
Total, with var overhead	\$ 1,728	\$ 831	\$ 8,006	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,565
with carrier-to-carrier	\$ 1,730	\$ 832	\$ 8,031	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,592
Dedicated Transport Transmission										
Annual Capital Cost	\$ 967	\$ 465	\$ 4,279	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,712
Network Expenses	\$ 76	\$ 36	\$ 335	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 447
Direct expense	\$ 1,043	\$ 502	\$ 4,615	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,159
Investment	\$ 4,950	\$ 2,382	\$ 21,907	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 29,240
Support expenses	\$ 232	\$ 111	\$ 1,292	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,635
Subtotal, with misc spt	\$ 1,275	\$ 613	\$ 5,906	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,794
Total, with var overhead	\$ 1,407	\$ 677	\$ 6,520	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,604
with carrier-to-carrier	\$ 1,409	\$ 678	\$ 6,540	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,626
Direct Transport										
Annual Capital Cost	\$ 775	\$ 373	\$ 3,431	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,579
Network Expenses	\$ 197	\$ 95	\$ 871	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,163
Direct expense	\$ 972	\$ 468	\$ 4,302	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,742
Investment	\$ 4,975	\$ 2,394	\$ 22,014	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 29,382
Support expenses	\$ 216	\$ 104	\$ 1,204	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,524
Subtotal, with misc spt	\$ 1,188	\$ 572	\$ 5,508	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,265
Total, with var overhead	\$ 1,312	\$ 631	\$ 6,078	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,021
with carrier-to-carrier	\$ 1,313	\$ 632	\$ 6,097	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,042
Direct Transport Transmission										
Annual Capital Cost	\$ 734	\$ 353	\$ 3,249	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,336
Network Expenses	\$ 58	\$ 28	\$ 254	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 340
Direct expense	\$ 792	\$ 381	\$ 3,503	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,676
Investment	\$ 3,758	\$ 1,808	\$ 16,632	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 22,198
Support expenses	\$ 176	\$ 85	\$ 981	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,241
Subtotal, with misc spt	\$ 969	\$ 465	\$ 4,484	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,917
Total, with var overhead	\$ 1,068	\$ 514	\$ 4,950	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,532
with carrier-to-carrier	\$ 1,069	\$ 514	\$ 4,965	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,549
Common Transport										
Annual Capital Cost	\$ 2,289	\$ 1,101	\$ 10,129	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,519
Network Expenses	\$ 581	\$ 280	\$ 2,572	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,432
Direct expense	\$ 2,870	\$ 1,381	\$ 12,700	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,951
Investment	\$ 14,687	\$ 7,067	\$ 64,993	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 86,747
Support expenses	\$ 638	\$ 307	\$ 3,555	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,499
Subtotal, with misc spt	\$ 3,508	\$ 1,687	\$ 16,255	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 21,450
Total, with var overhead	\$ 3,873	\$ 1,863	\$ 17,946	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 23,681
with carrier-to-carrier	\$ 3,877	\$ 1,865	\$ 18,001	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 23,742

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	\$ 2,167	\$ 1,043	\$ 9,592	- \$	- \$	- \$	- \$	- \$	- \$	12,802
Network Expenses	\$ 170	\$ 82	\$ 751	- \$	- \$	- \$	- \$	- \$	- \$	1,003
Direct expense	\$ 2,337	\$ 1,125	\$ 10,343	- \$	- \$	- \$	- \$	- \$	- \$	13,805
Investment	\$ 11,096	\$ 5,339	\$ 49,103	- \$	- \$	- \$	- \$	- \$	- \$	65,538
Support expenses	\$ 519	\$ 250	\$ 2,895	- \$	- \$	- \$	- \$	- \$	- \$	3,664
Subtotal, with misc spt	\$ 2,857	\$ 1,374	\$ 13,238	- \$	- \$	- \$	- \$	- \$	- \$	17,469
Total, with var overhead	\$ 3,154	\$ 1,517	\$ 14,615	- \$	- \$	- \$	- \$	- \$	- \$	19,286
with carrier-to-carrier	\$ 3,157	\$ 1,519	\$ 14,660	- \$	- \$	- \$	- \$	- \$	- \$	19,335
Tandem Switching										
Annual Capital Cost	\$ 154	\$ 74	\$ 664	- \$	- \$	- \$	- \$	- \$	- \$	893
Network Expenses	\$ 82	\$ 40	\$ 355	- \$	- \$	- \$	- \$	- \$	- \$	477
Direct expense	\$ 237	\$ 114	\$ 1,019	- \$	- \$	- \$	- \$	- \$	- \$	1,369
Investment	\$ 991	\$ 477	\$ 4,266	- \$	- \$	- \$	- \$	- \$	- \$	5,733
Support expenses	\$ 53	\$ 25	\$ 285	- \$	- \$	- \$	- \$	- \$	- \$	363
Subtotal, with misc spt	\$ 289	\$ 139	\$ 1,304	- \$	- \$	- \$	- \$	- \$	- \$	1,733
Total, with var overhead	\$ 319	\$ 154	\$ 1,440	- \$	- \$	- \$	- \$	- \$	- \$	1,913
with carrier-to-carrier	\$ 320	\$ 154	\$ 1,444	- \$	- \$	- \$	- \$	- \$	- \$	1,918
Operator Systems										
Annual Capital Cost	\$ 480	\$ 231	\$ 2,068	- \$	- \$	- \$	- \$	- \$	- \$	2,779
Network Expenses	\$ 717	\$ 345	\$ 3,088	- \$	- \$	- \$	- \$	- \$	- \$	4,150
Direct expense	\$ 1,197	\$ 576	\$ 5,156	- \$	- \$	- \$	- \$	- \$	- \$	6,930
Investment	\$ 2,914	\$ 1,402	\$ 12,549	- \$	- \$	- \$	- \$	- \$	- \$	16,864
Support expenses	\$ 203	\$ 97	\$ 1,166	- \$	- \$	- \$	- \$	- \$	- \$	1,466
Subtotal, with misc spt	\$ 1,400	\$ 674	\$ 6,322	- \$	- \$	- \$	- \$	- \$	- \$	8,396
Total, with var overhead	\$ 1,546	\$ 744	\$ 6,980	- \$	- \$	- \$	- \$	- \$	- \$	9,269
with carrier-to-carrier	\$ 1,547	\$ 744	\$ 7,002	- \$	- \$	- \$	- \$	- \$	- \$	9,294
Public Telephone										
Annual Capital Cost	\$ 57	\$ 27	\$ 244	- \$	- \$	- \$	- \$	- \$	- \$	328
Network Expenses	\$ 52	\$ 25	\$ 225	- \$	- \$	- \$	- \$	- \$	- \$	302
Direct expense	\$ 109	\$ 52	\$ 469	- \$	- \$	- \$	- \$	- \$	- \$	630
Investment	\$ 277	\$ 133	\$ 1,194	- \$	- \$	- \$	- \$	- \$	- \$	1,605
Support expenses	\$ 18	\$ 9	\$ 106	- \$	- \$	- \$	- \$	- \$	- \$	133
Subtotal, with misc spt	\$ 127	\$ 61	\$ 575	- \$	- \$	- \$	- \$	- \$	- \$	763
Total, with var overhead	\$ 141	\$ 68	\$ 635	- \$	- \$	- \$	- \$	- \$	- \$	843
with carrier-to-carrier	\$ 141	\$ 68	\$ 637	- \$	- \$	- \$	- \$	- \$	- \$	845
Totals										
Annual Capital Cost	\$ 226,516	\$ 110,251	\$ 305,851	- \$	- \$	- \$	- \$	- \$	- \$	642,618
Network Expenses	\$ 54,137	\$ 26,065	\$ 82,489	- \$	- \$	- \$	- \$	- \$	- \$	162,691
Total	\$ 280,653	\$ 136,316	\$ 388,340	- \$	- \$	- \$	- \$	- \$	- \$	805,309
Investment	\$ 1,396,435	\$ 678,558	\$ 1,882,067	- \$	- \$	- \$	- \$	- \$	- \$	3,957,060
Supporting Network Expenses										
Capital Cost - Gent Support	\$ 11,712	\$ 5,691	\$ 15,785	- \$	- \$	- \$	- \$	- \$	- \$	33,187
Network Operations	\$ 7,003	\$ 3,369	\$ 30,989	- \$	- \$	- \$	- \$	- \$	- \$	41,361
Network Support	\$ 803	\$ 390	\$ 1,111	- \$	- \$	- \$	- \$	- \$	- \$	2,304
Other Taxes	\$ 16,411	\$ 7,969	\$ 23,806	- \$	- \$	- \$	- \$	- \$	- \$	48,186
Misc Expenses	\$ 11,633	\$ 5,650	\$ 16,096	- \$	- \$	- \$	- \$	- \$	- \$	33,380
Subtotal	\$ 47,561	\$ 23,070	\$ 87,787	- \$	- \$	- \$	- \$	- \$	- \$	158,418
Carrier-carrier customer svc	\$ 380	\$ 183	\$ 1,684	- \$	- \$	- \$	- \$	- \$	- \$	2,247
Interoffice/Switching Net Ops	\$ 1,802	\$ 867	\$ 7,976	- \$	- \$	- \$	- \$	- \$	- \$	10,646
Interoffice/Sw Exp	\$ 34,142	\$ 16,427	\$ 148,144	- \$	- \$	- \$	- \$	- \$	- \$	198,713
Total Network Costs										
	\$ 330,016	\$ 160,254	\$ 484,103	- \$	- \$	- \$	- \$	- \$	- \$	974,373
Other costs										
Other Taxes	\$ 16,411	\$ 7,969	\$ 23,806	- \$	- \$	- \$	- \$	- \$	- \$	48,186
Monthly Cost Factors										
Loop	0.02239	0.02238	0.02265	-	-	-	-	-	-	0.02271
Port	0.00769	0.00769	0.00769	-	-	-	-	-	-	0.00769
Switching	0.01021	0.01021	0.01021	-	-	-	-	-	-	0.01021
Signaling	0.00474	0.00474	0.00474	-	-	-	-	-	-	0.00474
Transport	0.00464	0.00464	0.00452	-	-	-	-	-	-	0.00455
Billing/Bill Inquiries (per line)	2.74	2.74	2.74	-	-	-	-	-	-	2.74
Directory Listing (per line)	-	-	-	-	-	-	-	-	-	-
LNP Expense (per line)	0.30	0.30	0.30	-	-	-	-	-	-	0.30
Inverse Carrier to Carrier Expense Factors										
	99.8996%	99.9006%	99.6941%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	99.7439%

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

	Total Annual Amount assigned to loops	% to be assigned per line	% to be assigned per direct cost	Annual Amount to be assigned per line	Annual Amount to be assigned per direct cost
General Support - Loops					
Furniture - Capital Costs	\$ 1,062	0%	100%	\$ -	\$ 1,062
Furniture - Expenses	\$ 816	0%	100%	\$ -	\$ 816
Office Equipment - Capital Costs	\$ 3,033	0%	100%	\$ -	\$ 3,033
Office Equipment - Expenses	\$ 1,728	0%	100%	\$ -	\$ 1,728
General Purpose Computer - Capital Costs	\$ 6,337	0%	100%	\$ -	\$ 6,337
General Purpose Computer - Expenses	\$ 16,706	0%	100%	\$ -	\$ 16,706
Motor Vehicles - Capital Costs	\$ 3,824	0%	100%	\$ -	\$ 3,824
Motor Vehicles - Expenses	\$ 1,336	0%	100%	\$ -	\$ 1,336
Buildings - Capital Costs	\$ 7,643	0%	100%	\$ -	\$ 7,643
Buildings - Expenses	\$ 5,580	0%	100%	\$ -	\$ 5,580
Garage Work Eqpt. - Capital Costs	\$ 112	0%	100%	\$ -	\$ 112
Garage Work Eqpt. - Expenses	\$ 39	0%	100%	\$ -	\$ 39
Other Work Eqpt. - Capital Costs	\$ 2,676	0%	100%	\$ -	\$ 2,676
Other Work Eqpt. - Expenses	\$ 339	0%	100%	\$ -	\$ 339
Total General Support	\$ 51,230			\$ -	\$ 51,230
Network Operations	\$ 30,767	0%	100%	\$ -	\$ 30,767
Other Taxes	\$ 35,844	0%	100%	\$ -	\$ 35,844
Variable Overhead	\$ 74,555	0%	100%	\$ -	\$ 74,555
Totals	\$ 117,841			\$ -	\$ 192,396

	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	\$ 245,205	\$ 119,261	\$ 234,570	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 599,036
Non-Loop-related direct costs	\$ 35,448	\$ 17,056	\$ 153,770	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 206,273
Total	\$ 280,653	\$ 136,316	\$ 388,340	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 805,309
Loop Fraction	87.37%	87.49%	60.40%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	74.39%
Network Operations	\$ 7,003	\$ 3,369	\$ 30,989	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 41,361

	Total Annual Amount	Amount Assigned to Loops	Amount Assigned to Other UNEs
General Support - Totals			
Furniture - Capital Costs	\$ 1,428	\$ 1,062	\$ 366
Furniture - Expenses	\$ 1,096	\$ 816	\$ 281
Office Equipment - Capital Costs	\$ 4,077	\$ 3,033	\$ 1,044
Office Equipment - Expenses	\$ 2,323	\$ 1,728	\$ 595
General Purpose Computer - Capital Costs	\$ 8,519	\$ 6,337	\$ 2,182
General Purpose Computer - Expenses	\$ 22,459	\$ 16,706	\$ 5,753
Motor Vehicles - Capital Costs	\$ 5,141	\$ 3,824	\$ 1,317
			\$ 33,187
			\$ 35,684

Exp Assignment

Motor Vehicles - Expenses	\$ 1,796	\$ 1,336	\$ 460	
Buildings - Capital Costs	\$ 10,275	\$ 7,643	\$ 2,632	
Buildings - Expenses	\$ 7,501	\$ 5,580	\$ 1,921	
Garage Work Eqpt. - Capital Costs	\$ 150	\$ 112	\$ 39	
Garage Work Eqpt. - Expenses	\$ 52	\$ 39	\$ 13	
Other Work Eqpt. - Capital Costs	\$ 3,597	\$ 2,676	\$ 921	
Other Work Eqpt. - Expenses	\$ 456	\$ 339	\$ 117	
Total General Support	\$ 68,871	\$ 51,230	\$ 17,641	
Network Operations	\$ 41,361	\$ 30,767	\$ 10,594	
Other Taxes Calculation				
Total Direct Costs	\$ 805,309	\$ 599,036	\$ 206,273	\$ 805,309
Total Network Operations	\$ 41,361	\$ 30,767	\$ 10,594	\$ 41,361
Total General Support	\$ 68,871	\$ 51,230	\$ 17,641	\$ 83,870
Total	\$ 915,541	\$ 681,033	\$ 234,508	
Other Taxes	\$ 48,186	\$ 35,844	\$ 12,343	\$ 132,056
Total Expenses and Other Taxes	\$ 963,727	\$ 716,876	\$ 246,851	
Variable Overhead Calculation				
Variable Overhead	\$ 100,228	\$ 74,555	\$ 25,672	
Total Cost with Variable Overhead	1,063,955	791,432	272,523	

UNE Expense Assignment

Totals

NID

per line cost \$ -
per direct cost \$ 2,175
total \$ 2,175

Distribution (DLC)

per line cost \$ -
per direct cost \$ 52,825
total \$ 52,825

Distribution (non-DLC)

per line cost \$ -
per direct cost \$ 69,357
total \$ 69,357

Concentrator (DLC)

per line cost \$ -
per direct cost \$ 12,802
total \$ 12,802

Concentrator (non-DLC)

per line cost \$ -
per direct cost \$ 346
total \$ 346

Feeder (DLC)

per line cost \$ -
per direct cost \$ 50,834
total \$ 50,834

Feeder (non-DLC)

Exp Assignment

<i>per line cost</i>	\$	-
<i>per direct cost</i>	\$	4,056
<i>total</i>	\$	4,056

End Office Switching	\$	184,207
Signaling	\$	3,993
Dedicated Transport	\$	9,992
Dedicated Transport Transmission	\$	8,137
Direct Transport	\$	7,586
Direct Transport Transmission	\$	6,178
Common Transport	\$	22,395
Common Transport Transmission	\$	18,239
Tandem Switching	\$	1,809
Operator Systems	\$	9,156
Public Telephone	\$	832

COST SUMMARY

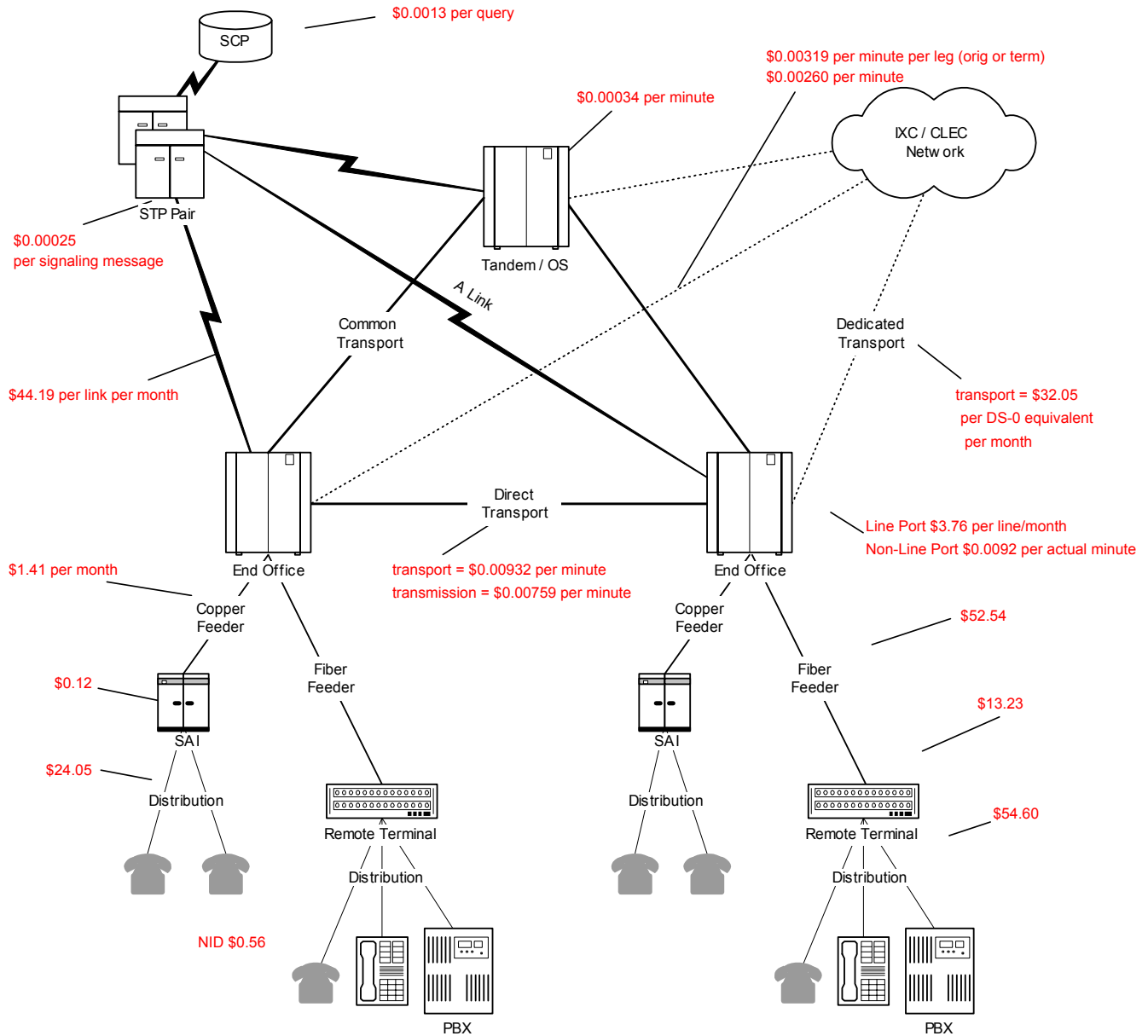
Missouri Lathrop Telephone Company

Network Element	Investment *	% of total investment	1	2	1 + 2	3	1 + 2 + 3	Total
			Annual Capital Cost	Network Expenses	Direct Expense	Support Expense	Subtotal (with misc support)	(with carrier-to-carrier)
NID	\$ 35,108	0.9%	\$ 5,618	\$ 1,153	\$ 6,771	\$ 2,175	\$ 8,945	\$ 8,969
<i>Distribution (DLC)</i>	819,197	20.7%	132,210	32,265	164,475	52,825	217,300	217,522
<i>Distribution (non-DLC)</i>	1,077,615	27.2%	173,210	42,737	215,947	69,357	285,304	286,240
Distribution (all)	1,896,812	47.9%	305,420	75,002	380,422	122,182	502,604	503,763
<i>Concentrator (DLC)</i>	189,900	4.8%	36,936	2,925	39,861	12,802	52,663	52,717
<i>Concentrator (non-DLC)</i>	6,000	0.2%	960	118	1,078	346	1,424	1,428
Concentrator (all)	195,900	5.0%	37,896	3,042	40,939	13,149	54,087	54,146
<i>Feeder (DLC)</i>	812,493	20.5%	126,073	32,203	158,276	50,834	209,110	209,324
<i>Feeder (non-DLC)</i>	58,324	1.5%	10,273	2,356	12,629	4,056	16,685	16,740
Feeder (all)	870,818	22.0%	136,345	34,559	170,905	54,890	225,795	226,064
End Office Switching	647,925	16.4%	104,027	35,400	139,427	36,966	176,392	195,235
Signaling	14,488	0.4%	2,332	690	3,022	801	3,824	4,232
Dedicated Transport	38,702	1.0%	6,031	1,531	7,563	2,007	9,570	10,592
Dedicated Transport Transmission	29,240	0.7%	5,712	447	6,159	1,635	7,794	8,626
Direct Transport	29,382	0.7%	4,579	1,163	5,742	1,524	7,265	8,042
Direct Transport Transmission	22,198	0.6%	4,336	340	4,676	1,241	5,917	6,549
Common Transport	86,747	2.2%	13,519	3,432	16,951	4,499	21,450	23,742
Common Transport Transmission	65,538	1.7%	12,802	1,003	13,805	3,664	17,469	19,335
Tandem Switching	5,733	0.1%	893	477	1,369	363	1,733	1,918
Operator Systems	16,864	0.4%	2,779	4,150	6,930	1,466	8,396	9,294
Public Telephone	1,605	0.0%	328	302	630	133	763	845
Total Network Cost								
Total	\$ 3,957,060	100%	\$ 642,618	\$ 162,691	\$ 805,309	\$ 246,696	\$ 1,052,005	\$ 1,081,352

* Post sharing

Unbundled Network Elements

Missouri / Lathrop Telephone Company



USOA Detail Breakdown of HAI Model Costs

USOA	INVESTMENT DESCRIPTION	Cost \$(000)
Telecommunications Plant in Service		
2111	LAND	15
2112	MOTOR VEHICLES	27
2113	AIRCRAFT	
2114	SPECIAL PURPOSE VEHICLES	
2115	GARAGE WORK EQUIPMENT	1
2116	OTHER WORK EQUIPMENT	21
2121	BUILDINGS	158
2122	FURNITURE	9
2123.1	OFFICE SUPPORT EQUIPMENT	23
2123.2	COMPANY COMMUNICATIONS EQUIPMENT	
2124	GENERAL PURPOSE COMPUTERS	35
2110	TOTAL LAND & SUPPORT ASSETS	289
2212	DIGITAL ELECTRONIC SWITCHING	561
2220	OPERATOR SYSTEMS	3
2232	CIRCUIT EQUIPMENT	305
2351	PUBLIC TEL TERMINAL EQUIPMENT	2
2411	POLES	69
2421.1	AERIAL CABLE - METALLIC	57
2421.2	AERIAL CABLE - NonMETALLIC	30
2422.1	UNDERGROUND CABLE - METALLIC	0
2422.2	UNDERGROUND CABLE - NonMETALLIC	0
2423.1	BURIED CABLE - METALLIC	1,874
2423.2	BURIED CABLE - NonMETALLIC	952
2426.1	INTRABUILDING NETWORK CABLE - MET.	
2426.2	INTRABUILDING NETWORK CABLE - NonMET.	
2441	CONDUIT SYSTEMS	0
2410	TOTAL CABLE & WIRE FACILITIES	2,982
	Total TPIS (before amortizable assets)*	4,141

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

**Lathrop Telephone Company
Missouri**

USOA	EXPENSE DESCRIPTION	Cost \$(000)
Plant Specific Expenses		
6112	MOTOR VEHICLES	2
6113	AIRCRAFT	1
6114	SPECIAL PURPOSE VEHICLES	0
6115	GARAGE WORK EQUIPMENT	0
6116	OTHER WORK EQUIPMENT	0
6110	NETWORK SUPPORT	3
6121	LAND & BUILDINGS	19
6122	FURNITURE	1
6123	OFFICE EQUIPMENT	3
6124	GENERAL PURPOSE COMPUTERS	27
6120	LAND & SUPPORT ASSETS	50
6212	DIGITAL ELECTRONIC SWITCHING	27
6220	OPERATOR SYSTEMS	4
6232	CIRCUIT EQUIPMENT	5
6351	PUBLIC TEL TERMINAL EQUIPMENT	0
6411	POLES	3
6421	AERIAL CABLE	5
6422	UNDERGROUND CABLE	0
6423	BURIED CABLE	109
6426	INTRABUILDING NETWORK CABLE	
6441	CONDUIT SYSTEMS	0
6410	TOTAL CABLE & WIRE FACILITIES	118
	Total Plant Specific Expenses	206
Plant Nonspecific Operations		
	TOTAL NETWORK OPERATIONS SUPPORT	52
6561	DEPRECIATION TPIS	239
6623	CUSTOMER SERVICES	2
	Total Plant Nonspecific Operations	293
	TOTAL CORPORATE OPERATIONS	101
	TOTAL OPERATING EXPENSES	600
7240	OPERATING OTHER TAXES	48
	TOTAL EXPENSES & OPERATING TAXES	648

USOA Depreciation Calculations

	<u>Depl life</u>	<u>DepFact</u>	<u>Dep Exp</u>
2111			
2112	10.45	0.09589	3
2113			
2114			
2115	9.97	0.10031	0
2116	13.92	0.07189	2
2121	48.73	0.02052	3
2122	18.36	0.05449	0
2123.1	12.44	0.08052	2
2123.2	7.99	0.12517	-
2124	6.61	0.15223	5
2110			
2212	17.17	0.05827	33
2220	9.25	0.10829	0
2232	9.90	0.10108	31
2351	8.98	0.11145	0
2411	8.38	0.11972	8
2421.1	13.61	0.07355	4
2421.2	18.92	0.05286	2
2422.1	17.88	0.05596	-
2422.2	20.14	0.04966	-
2423.1	18.36	0.05450	102
2423.2	21.97	0.04551	43
2426.1	13.57	0.07377	-
2426.2	21.37	0.04681	-
2441	46.15	0.02167	-
<i>Total Depreciation</i>			239

Network Element Disaggregations

Investment Disaggregations:

<i>Terminal, Drop, and NID</i>	<i>201,520</i>
Aerial-m portion	5,848
Buried-m portion	195,672

<i>OS Trks + Signaling links</i>	<i>16,151</i>
Circuit Eqpt. portion	2,692
Pole portion	262
Aerial-nm portion	360
Underground-nm portion	-
Buried-nm portion	12,837
Conduit portion	-

<i>SAI</i>	<i>10,500</i>
Aerial-m portion	23
Aerial-nm portion	310
Underground-m portion	-
Underground-nm portion	-
Buried-m portion	476
Buried-nm portion	9,690

Expense Disaggregations:

<i>Terminal, Drop, and NID</i>	<i>7,603</i>
Aerial portion	366
Buried portion	7,237

<i>OS Trks + Signaling links</i>	<i>626</i>
Circuit Eqpt. portion	104
Pole portion	11
Aerial-nm portion	22
Underground-nm portion	-
Buried-nm portion	489
Conduit portion	-

<i>SAI</i>	<i>206</i>
Aerial portion	7
Underground portion	-
Buried portion	199

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	\$ 3,160	\$ 1,536	\$ 4,259	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	8,955
office equipment	8,077	3,925	10,886	-	-	-	-	-	-	22,888
general purpose computers	12,421	6,036	16,741	-	-	-	-	-	-	35,197
motor vehicles	9,504	4,618	12,809	-	-	-	-	-	-	26,931
buildings	24,005	11,665	32,353	-	-	-	-	-	-	68,023
garage work equipment	273	133	368	-	-	-	-	-	-	773
orther work equipment	7,406	3,599	9,982	-	-	-	-	-	-	20,987
										-
TOTAL	\$ 64,846	\$ 31,510	\$ 87,397	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	183,754
Levelized Cost of Capital										
furniture	\$ 504	\$ 245	\$ 679	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,428
office equipment	1,439	699	1,939	-	-	-	-	-	-	4,077
general purpose computers	3,006	1,461	4,052	-	-	-	-	-	-	8,519
motor vehicles	1,814	882	2,445	-	-	-	-	-	-	5,141
buildings	3,626	1,762	4,887	-	-	-	-	-	-	10,275
garage work equipment	53	26	72	-	-	-	-	-	-	150
orther work equipment	1,269	617	1,711	-	-	-	-	-	-	3,597
TOTAL	\$ 11,712	\$ 5,691	\$ 15,785	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	33,187

Distribution

	0-5		5-100		100-200		200-650		650-850		850-2550		2550-5000		5000-10000		>10000		Totals
	lines/sq mi		lines/sq mi		lines/sq mi		lines/sq mi		lines/sq mi		lines/sq mi		lines/sq mi		lines/sq mi		lines/sq mi		
Fiber Feeder																			
Distribution Investment																			
buried cable	\$	214,078	\$	84,021	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	298,099
aerial cable		10,834		4,252		-		-		-		-		-		-		-	15,086
underground cable		-		-		-		-		-		-		-		-		-	-
buried trenching		292,047		125,334		-		-		-		-		-		-		-	417,382
conduit		-		-		-		-		-		-		-		-		-	-
underground trenching		-		-		-		-		-		-		-		-		-	-
poles		17,514		7,923		-		-		-		-		-		-		-	25,437
terminal		18,899		9,093		-		-		-		-		-		-		-	27,992
drop		23,745		11,456		-		-		-		-		-		-		-	35,201
		-		-		-		-		-		-		-		-		-	-
TOTAL	\$	577,117	\$	242,080	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	819,197
		70.45%		29.55%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%	100.00%
Levelized Cost of Capital																			
buried cable	\$	34,141	\$	13,399	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	47,540
aerial cable		1,871		734		-		-		-		-		-		-		-	2,605
underground cable		-		-		-		-		-		-		-		-		-	-
buried trenching		46,575		19,988		-		-		-		-		-		-		-	66,563
conduit		-		-		-		-		-		-		-		-		-	-
underground trenching		-		-		-		-		-		-		-		-		-	-
poles		3,712		1,679		-		-		-		-		-		-		-	5,391
terminal		3,024		1,455		-		-		-		-		-		-		-	4,479
drop		3,799		1,833		-		-		-		-		-		-		-	5,632
		-		-		-		-		-		-		-		-		-	-
TOTAL	\$	93,121	\$	39,089	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	132,210
Network Expenses																			
buried cable		8,323		3,267		-		-		-		-		-		-		-	11,590
aerial cable		681		267		-		-		-		-		-		-		-	949
underground cable		-		-		-		-		-		-		-		-		-	-
buried trenching		11,354		4,873		-		-		-		-		-		-		-	16,227
conduit		-		-		-		-		-		-		-		-		-	-
underground trenching		-		-		-		-		-		-		-		-		-	-
poles		723		327		-		-		-		-		-		-		-	1,050
terminal		733		352		-		-		-		-		-		-		-	1,085
drop		920		444		-		-		-		-		-		-		-	1,364
		-		-		-		-		-		-		-		-		-	-
TOTAL	\$	22,734	\$	9,530	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	32,265
Summary																			
Cost of Capital	\$	93,121	\$	39,089	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	132,210
Network Expense		22,734		9,530		-		-		-		-		-		-		-	32,265
		-		-		-		-		-		-		-		-		-	-
TOTAL	\$	115,856	\$	48,619	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	164,475
		-		-		-		-		-		-		-		-		-	-
Copper Feeder																			
Distribution Investment																			
buried cable	\$	-	\$	-	\$	670,306	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	670,306
aerial cable		-		-		33,922		-		-		-		-		-		-	33,922
underground cable		-		-		-		-		-		-		-		-		-	-
buried trenching		-		-		253,905		-		-		-		-		-		-	253,905
conduit		-		-		-		-		-		-		-		-		-	-
underground trenching		-		-		-		-		-		-		-		-		-	-
poles		-		-		16,263		-		-		-		-		-		-	16,263
terminal		-		-		41,816		-		-		-		-		-		-	41,816
drop		-		-		61,402		-		-		-		-		-		-	61,402
		-		-		-		-		-		-		-		-		-	-
TOTAL	\$	-	\$	-	\$	1,077,615	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	1,077,615
		0.00%		0.00%		100.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%	100.00%
Levelized Cost of Capital																			
buried cable	\$	-	\$	-	\$	106,899	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	106,899
aerial cable		-		-		5,857		-		-		-		-		-		-	5,857
underground cable		-		-		-		-		-		-		-		-		-	-
buried trenching		-		-		40,492		-		-		-		-		-		-	40,492
conduit		-		-		-		-		-		-		-		-		-	-
underground trenching		-		-		-		-		-		-		-		-		-	-
poles		-		-		3,447		-		-		-		-		-		-	3,447
terminal		-		-		6,691		-		-		-		-		-		-	6,691
drop		-		-		9,825		-		-		-		-		-		-	9,825
		-		-		-		-		-		-		-		-		-	-
TOTAL	\$	-	\$	-	\$	173,210	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	173,210
Network Expenses																			
buried cable	\$	-	\$	-	\$	26,060	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	26,060
aerial cable		-		-		2,133		-		-		-		-		-		-	2,133

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	\$ -	\$ -	\$ 9,871	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,871
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	-	-	671	-	-	-	-	-	-	671
terminal	-	-	1,621	-	-	-	-	-	-	1,621
drop	-	-	2,380	-	-	-	-	-	-	2,380
TOTAL	\$ -	\$ -	\$ 42,737	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 42,737
Summary										
Cost of Capital	\$ -	\$ -	\$ 173,210	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 173,210
Network Expense	-	-	42,737	-	-	-	-	-	-	42,737
TOTAL	\$ -	\$ -	\$ 215,947	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 215,947
	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	\$ 214,078	\$ 84,021	\$ 670,306	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 968,405
aerial cable	\$ 10,834	\$ 4,252	\$ 33,922	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 49,008
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
buried trenching	\$ 292,047	\$ 125,334	\$ 253,905	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 671,287
conduit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
underground trenching	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
poles	\$ 17,514	\$ 7,923	\$ 16,263	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 41,700
terminal	\$ 18,899	\$ 9,093	\$ 41,816	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 69,809
drop	\$ 23,745	\$ 11,456	\$ 61,402	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 96,603
TOTAL	\$ 577,117	\$ 242,080	\$ 1,077,615	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,896,812
	30.43%	12.76%	56.81%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
buried cable	\$ 34,141	\$ 13,399	\$ 106,899	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 154,439
aerial cable	\$ 1,871	\$ 734	\$ 5,857	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,462
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
buried trenching	\$ 46,575	\$ 19,988	\$ 40,492	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 107,055
conduit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
underground trenching	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
poles	\$ 3,712	\$ 1,679	\$ 3,447	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,338
terminal	\$ 3,024	\$ 1,455	\$ 6,691	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,170
drop	\$ 3,799	\$ 1,833	\$ 9,825	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,457
TOTAL	\$ 93,121	\$ 39,089	\$ 173,210	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 305,420
Network Expenses										
buried cable	\$ 8,323	\$ 3,267	\$ 26,060	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 37,650
aerial cable	\$ 681	\$ 267	\$ 2,133	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,082
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
buried trenching	\$ 11,354	\$ 4,873	\$ 9,871	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 26,099
conduit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
underground trenching	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
poles	\$ 723	\$ 327	\$ 671	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,721
terminal	\$ 733	\$ 352	\$ 1,621	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,706
drop	\$ 920	\$ 444	\$ 2,380	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,744
TOTAL	\$ 22,734	\$ 9,530	\$ 42,737	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,002
Summary										
Cost of Capital	\$ 93,121	\$ 39,089	\$ 173,210	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 305,420
Network Expense	\$ 22,734	\$ 9,530	\$ 42,737	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,002
TOTAL	\$ 115,856	\$ 48,619	\$ 215,947	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 380,422
NID Cost										
NID Investment	\$ 6,431	\$ 3,106	\$ 25,571	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 35,108
Levelized Cost of Capital	\$ 1,029	\$ 497	\$ 4,092	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,618
Network Expenses	\$ 221	\$ 107	\$ 825	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,153
TOTAL	\$ 1,250	\$ 604	\$ 4,916	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,771

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	\$ 117,900	\$ 67,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	185,400
SAI Investment	3,050	1,450	-	-	-	-	-	-	-	4,500
										\$ -
TOTAL	\$ 120,950	\$ 68,950	\$ 0.00%	\$ 0.00%	\$ 0.00%	\$ 0.00%	\$ 0.00%	\$ 0.00%	\$ 0.00%	189,900
	63.69%	36.31%								100.00%
Levelized Cost of Capital										
DLC	\$ 23,031	\$ 13,186	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	36,216
SAI	488	232	-	-	-	-	-	-	-	720
TOTAL	\$ 23,519	\$ 13,418	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	36,936
Network Expenses										
DLC	\$ 1,804	\$ 1,033	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,837
SAI	60	28	-	-	-	-	-	-	-	88
TOTAL	\$ 1,864	\$ 1,061	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,925
Summary										
Cost of Capital	\$ 23,519	\$ 13,418	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	36,936
Network Expense	1,864	1,061	-	-	-	-	-	-	-	2,925
TOTAL	\$ 25,382	\$ 14,479	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	39,861
	0-5 lines/sq m	5-100 lines/sq m	100-200 lines/sq m	200-650 lines/sq m	650-850 lines/sq m	850-2550 lines/sq m	2550-5000 lines/sq m	5000-10000 lines/sq m	>10000 lines/sq m	Totals
<i>Copper Feeder</i>										
Concentrator Investment										
DLC Investment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
SAI Investment	-	-	6,000	-	-	-	-	-	-	6,000
TOTAL	\$ -	\$ -	\$ 6,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,000
	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
DLC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
SAI	-	-	960	-	-	-	-	-	-	960
TOTAL	\$ -	\$ -	\$ 960	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	960
Network Expenses										
DLC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
SAI	-	-	118	-	-	-	-	-	-	118
TOTAL	\$ -	\$ -	\$ 118	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	118
Summary										
Cost of Capital	\$ -	\$ -	\$ 960	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	960
Network Expense	-	-	118	-	-	-	-	-	-	118
TOTAL	\$ -	\$ -	\$ 1,078	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,078
	0-5 lines/sq m	5-100 lines/sq m	100-200 lines/sq m	200-650 lines/sq m	650-850 lines/sq m	850-2550 lines/sq m	2550-5000 lines/sq m	5000-10000 lines/sq m	>10000 lines/sq m	Totals
<i>Total</i>										
Concentrator Investment										
DLC Investment	\$ 117,900	\$ 67,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	185,400
SAI Investment	3,050	1,450	6,000	-	-	-	-	-	-	10,500
TOTAL	\$ 120,950	\$ 68,950	\$ 6,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	195,900
	61.74%	35.20%	3.06%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%

Concentrator

	0-5 lines/sq m		5-100 lines/sq m		100-200 lines/sq m		200-650 lines/sq m		650-850 lines/sq m		850-2550 lines/sq m		2550-5000 lines/sq m		5000-10000 lines/sq m		>10000 lines/sq m		Totals
Levelized Cost of Capital																			
DLC	\$	23,031	\$	13,186	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	36,216
SAI		488		232		960		-		-		-		-		-		-	1,680
TOTAL	\$	23,519	\$	13,418	\$	960	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	37,896
Network Expenses																			
DLC	\$	1,804	\$	1,033	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	2,837
SAI		60		28		118		-		-		-		-		-		-	206
TOTAL	\$	1,864	\$	1,061	\$	118	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	3,042
Summary																			
Cost of Capital	\$	23,519	\$	13,418	\$	960	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	37,896
Network Expense		1,864		1,061		118		-		-		-		-		-		-	3,042
TOTAL	\$	25,382	\$	14,479	\$	1,078	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	40,939

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	322,494	185,157	-	-	-	-	-	-	-	507,651
fiber buried cable	15,865	9,142	-	-	-	-	-	-	-	25,008
fiber aerial cable	-	-	-	-	-	-	-	-	-	-
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	184,854	88,942	-	-	-	-	-	-	-	273,797
poles	4,077	1,962	-	-	-	-	-	-	-	6,038
TOTAL	\$ 527,290	\$ 285,203	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 812,493
	64.90%	35.10%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	49,865	28,629	-	-	-	-	-	-	-	78,494
fiber aerial cable	2,515	1,449	-	-	-	-	-	-	-	3,964
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	28,583	13,752	-	-	-	-	-	-	-	42,335
poles	864	416	-	-	-	-	-	-	-	1,280
TOTAL	\$ 81,826	\$ 44,247	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 126,073
Network Expenses										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	12,538	7,199	-	-	-	-	-	-	-	19,737
fiber aerial cable	998	575	-	-	-	-	-	-	-	1,573
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	7,187	3,458	-	-	-	-	-	-	-	10,645
poles	168	81	-	-	-	-	-	-	-	249
TOTAL	\$ 20,891	\$ 11,312	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 32,203
Summary										
Cost of Capital	\$ 81,826	\$ 44,247	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 126,073
Network Expense	20,891	11,312	-	-	-	-	-	-	-	32,203
TOTAL	\$ 102,717	\$ 55,559	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 158,276
Copper Feeder										
Feeder Investment										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	-	-	37,261	-	-	-	-	-	-	37,261
copper aerial cable	-	-	1,886	-	-	-	-	-	-	1,886
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	-	-	-	-	-	-	-	-	-	-
fiber aerial cable	-	-	-	-	-	-	-	-	-	-
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	1,137	-	-	-	-	-	-	1,137
fiber buried placement	-	-	-	-	-	-	-	-	-	-
poles	-	-	18,041	-	-	-	-	-	-	18,041
TOTAL	\$ -	\$ -	\$ 58,324	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 58,324
	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	-	-	5,942	-	-	-	-	-	-	5,942
copper aerial cable	-	-	326	-	-	-	-	-	-	326
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	-	-	-	-	-	-	-	-	-	-
fiber aerial cable	-	-	-	-	-	-	-	-	-	-
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	181	-	-	-	-	-	-	181

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	-	-	3,824	-	-	-	-	-	-	-
poles	-	-	-	-	-	-	-	-	-	3,824
TOTAL	\$ -	\$ -	\$ 10,273	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,273
Network Expenses										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	-	-	1,449	-	-	-	-	-	-	1,449
copper aerial cable	-	-	119	-	-	-	-	-	-	119
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	-	-	-	-	-	-	-	-	-	-
fiber aerial cable	-	-	-	-	-	-	-	-	-	-
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	44	-	-	-	-	-	-	44
fiber buried placement	-	-	-	-	-	-	-	-	-	-
poles	-	-	745	-	-	-	-	-	-	745
TOTAL	\$ -	\$ -	\$ 2,356	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,356
Summary										
Cost of Capital	\$ -	\$ -	\$ 10,273	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,273
Network Expense	-	-	2,356	-	-	-	-	-	-	2,356
TOTAL	\$ -	\$ -	\$ 12,629	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,629

	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	-	-	37,261	-	-	-	-	-	-	37,261
copper aerial cable	-	-	1,886	-	-	-	-	-	-	1,886
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	322,494	185,157	-	-	-	-	-	-	-	507,651
fiber aerial cable	15,865	9,142	-	-	-	-	-	-	-	25,008
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	1,137	-	-	-	-	-	-	1,137
fiber buried placement	184,854	88,942	-	-	-	-	-	-	-	273,797
poles	4,077	1,962	18,041	-	-	-	-	-	-	24,079
TOTAL	\$ 527,290	\$ 285,203	\$ 58,324	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 870,818
	60.55%	32.75%	6.70%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper u/g cable	-	-	-	-	-	-	-	-	-	-
copper buried cable	-	-	5,942	-	-	-	-	-	-	5,942
copper aerial cable	-	-	326	-	-	-	-	-	-	326
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	49,865	28,629	-	-	-	-	-	-	-	78,494
fiber aerial cable	2,515	1,449	-	-	-	-	-	-	-	3,964
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	181	-	-	-	-	-	-	181
fiber buried placement	28,583	13,752	-	-	-	-	-	-	-	42,335
poles	864	416	3,824	-	-	-	-	-	-	5,103
TOTAL	\$ 81,826	\$ 44,247	\$ 10,273	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 136,345
Network Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper u/g cable	-	-	-	-	-	-	-	-	-	-
copper buried cable	-	-	1,449	-	-	-	-	-	-	1,449
copper aerial cable	-	-	119	-	-	-	-	-	-	119
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	12,538	7,199	-	-	-	-	-	-	-	19,737
fiber aerial cable	998	575	-	-	-	-	-	-	-	1,573
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	44	-	-	-	-	-	-	44
fiber buried placement	7,187	3,458	-	-	-	-	-	-	-	10,645
poles	168	81	745	-	-	-	-	-	-	994
TOTAL	\$ 20,891	\$ 11,312	\$ 2,356	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 34,559
Summary										
Cost of Capital	\$ 81,826	\$ 44,247	\$ 10,273	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 136,345
Network Expense	20,891	11,312	2,356	-	-	-	-	-	-	34,559
TOTAL	\$ 102,717	\$ 55,559	\$ 12,629	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 170,905

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	\$ 94,666	\$ 45,548	\$ 407,711	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	547,925
MDF/protector	-	-	-	-	-	-	-	-	-	-
wire center	14,686	7,066	63,249	-	-	-	-	-	-	85,000
land	2,592	1,247	11,162	-	-	-	-	-	-	15,000
TOTAL	\$ 111,943	\$ 53,861	\$ 482,121	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	647,925
	17.28%	8.31%	74.41%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
end office switching	\$ 15,319	\$ 7,370	\$ 65,975	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	88,664
MDF/protector	-	-	-	-	-	-	-	-	-	-
wire center	2,218	1,067	9,554	-	-	-	-	-	-	12,840
land	436	210	1,878	-	-	-	-	-	-	2,524
TOTAL	\$ 17,973	\$ 8,648	\$ 77,406	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	104,027
Network Expenses										
end office switching	\$ 4,497	\$ 2,164	\$ 19,366	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	26,026
MDF/protector	-	-	-	-	-	-	-	-	-	-
wire center	1,619	779	6,975	-	-	-	-	-	-	9,373
land	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 6,116	\$ 2,943	\$ 26,341	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	35,400
Summary										
Cost of Capital	\$ 17,973	\$ 8,648	\$ 77,406	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	104,027
Network Expense	6,116	2,943	26,341	-	-	-	-	-	-	35,400
TOTAL	\$ 24,089	\$ 11,590	\$ 103,747	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	139,427

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	\$ 563	\$ 271	\$ 2,424	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,258
SCP wire center	90	43	388	-	-	-	-	-	-	521
STP	1,238	596	5,333	-	-	-	-	-	-	7,167
signaling links	612	295	2,636	-	-	-	-	-	-	3,543
TOTAL	\$ 2,503	\$ 1,204	\$ 10,781	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	14,488
	17.28%	8.31%	74.41%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
SCP	\$ 91	\$ 44	\$ 392	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	527
SCP wire center	14	7	59	-	-	-	-	-	-	79
STP	200	96	863	-	-	-	-	-	-	1,160
signaling links	98	47	422	-	-	-	-	-	-	567
TOTAL	\$ 403	\$ 194	\$ 1,736	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,332
Network Expenses										
SCP	\$ 27	\$ 13	\$ 115	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	155
SCP wire center	10	5	43	-	-	-	-	-	-	57
STP	59	28	253	-	-	-	-	-	-	340
signaling links	24	11	102	-	-	-	-	-	-	137
TOTAL	\$ 119	\$ 57	\$ 513	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	690
Summary										
Cost of Capital	\$ 403	\$ 194	\$ 1,736	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,332
Network Expense	119	57	513	-	-	-	-	-	-	690
TOTAL	\$ 522	\$ 251	\$ 2,249	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,022

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	6,250	3,007	27,657	-	-	-	-	-	-	36,914
aerial cable	175	84	775	-	-	-	-	-	-	1,035
poles	128	61	564	-	-	-	-	-	-	753
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 6,553	\$ 3,153	\$ 28,997	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	38,702
Levelized Cost of Capital										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	966	465	4,276	-	-	-	-	-	-	5,708
aerial cable	28	13	123	-	-	-	-	-	-	164
poles	27	13	120	-	-	-	-	-	-	160
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 1,021	\$ 491	\$ 4,519	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,031
Network Expenses										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	243	117	1,075	-	-	-	-	-	-	1,435
aerial cable	11	5	49	-	-	-	-	-	-	65
poles	5	3	23	-	-	-	-	-	-	31
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 259	\$ 125	\$ 1,147	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,531
Summary										
Cost of Capital	\$ 1,021	\$ 491	\$ 4,519	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,031
Network Expense	259	125	1,147	-	-	-	-	-	-	1,531
TOTAL	\$ 1,280	\$ 616	\$ 5,666	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7,563
Transmission Terminal										
investment	\$ 4,950	\$ 2,382	\$ 21,907	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	29,240
levelized cost of capital	967	465	4,279	-	-	-	-	-	-	5,712
network expenses	76	36	335	-	-	-	-	-	-	447
TOTAL	\$ 1,043	\$ 502	\$ 4,615	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,159

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	4,745	2,283	20,997	-	-	-	-	-	-	28,025
aerial cable	133	64	589	-	-	-	-	-	-	786
poles	97	47	428	-	-	-	-	-	-	572
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 4,975	\$ 2,394	\$ 22,014	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	29,382
Levelized Cost of Capital										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	734	353	3,247	-	-	-	-	-	-	4,333
aerial cable	21	10	93	-	-	-	-	-	-	125
poles	21	10	91	-	-	-	-	-	-	121
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 775	\$ 373	\$ 3,431	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,579
Network Expenses										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	184	89	816	-	-	-	-	-	-	1,090
aerial cable	8	4	37	-	-	-	-	-	-	49
poles	4	2	18	-	-	-	-	-	-	24
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 197	\$ 95	\$ 871	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,163
Summary										
Cost of Capital	\$ 775	\$ 373	\$ 3,431	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,579
Network Expense	197	95	871	-	-	-	-	-	-	1,163
TOTAL	\$ 972	\$ 468	\$ 4,302	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,742
Transmission Terminal										
investment	\$ 3,758	\$ 1,808	\$ 16,632	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	22,198
levelized cost of capital	734	353	3,249	-	-	-	-	-	-	4,336
network expenses	58	28	254	-	-	-	-	-	-	340
TOTAL	\$ 792	\$ 381	\$ 3,503	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,676

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	14,008	6,740	61,991	-	-	-	-	-	-	82,739
aerial cable	393	189	1,738	-	-	-	-	-	-	2,319
poles	286	138	1,265	-	-	-	-	-	-	1,688
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 14,687	\$ 7,067	\$ 64,993	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 86,747
Levelized Cost of Capital										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
buried cable	2,166	1,042	9,585	-	-	-	-	-	-	12,793
aerial cable	62	30	275	-	-	-	-	-	-	368
poles	61	29	268	-	-	-	-	-	-	358
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 2,289	\$ 1,101	\$ 10,129	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,519
Network Expenses										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
buried cable	545	262	2,410	-	-	-	-	-	-	3,217
aerial cable	25	12	109	-	-	-	-	-	-	146
poles	12	6	52	-	-	-	-	-	-	70
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 581	\$ 280	\$ 2,572	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,432
Summary										
Cost of Capital	\$ 2,289	\$ 1,101	\$ 10,129	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,519
Network Expense	581	280	2,572	-	-	-	-	-	-	3,432
TOTAL	\$ 2,870	\$ 1,381	\$ 12,700	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,951
Transmission Terminal										
investment	\$ 11,096	\$ 5,339	\$ 49,103	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 65,538
levelized cost of capital	2,167	1,043	9,592	-	-	-	-	-	-	12,802
network expenses	170	82	751	-	-	-	-	-	-	1,003
TOTAL	\$ 2,337	\$ 1,125	\$ 10,343	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,805

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	\$ 428	\$ 206	\$ 1,842	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,476
wire center	563	271	2,424	-	-	-	-	-	-	3,258
TOTAL	\$ 991	\$ 477	\$ 4,266	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,733
Levelized Cost of Capital										
tandem switching	\$ 69	\$ 33	\$ 298	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	401
wire center	85	41	366	-	-	-	-	-	-	492
TOTAL	\$ 154	\$ 74	\$ 664	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	893
Network Expenses										
tandem switching	\$ 20	\$ 10	\$ 88	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	118
wire center	62	30	267	-	-	-	-	-	-	359
TOTAL	\$ 82	\$ 40	\$ 355	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	477
Summary										
Cost of Capital	\$ 154	\$ 74	\$ 664	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	893
Network Expense	82	40	355	-	-	-	-	-	-	477
TOTAL	\$ 237	\$ 114	\$ 1,019	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,369

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	\$ 180	\$ 87	\$ 776	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,042
OS Tandem Wire Center	225	108	970	-	-	-	-	-	-	1,303
OS Trunks	2,178	1,048	9,381	-	-	-	-	-	-	12,608
OS Position	330	159	1,422	-	-	-	-	-	-	1,911
TOTAL	\$ 2,914	\$ 1,402	\$ 12,549	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	16,864
Levelized Cost of Capital										
OS Tandem Switching	\$ 29	\$ 14	\$ 126	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	169
OS Tandem Wire Center	34	16	146	-	-	-	-	-	-	197
OS Trunks	337.1326365	162.2104486	1451.977877	0	0	0	0	0	0	1,951
OS Position	80	38	344	-	-	-	-	-	-	463
TOTAL	\$ 480	\$ 231	\$ 2,068	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,779
Network Expenses										
OS Tandem Switching	\$ 9	\$ 4	\$ 37	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	50
OS Tandem Wire Center	25	12	107	-	-	-	-	-	-	144
OS Trunks	84	41	364	-	-	-	-	-	-	489
OS Position	22	11	96	-	-	-	-	-	-	129
Operator Wages	577	278	2,485	-	-	-	-	-	-	3,340
TOTAL	\$ 717	\$ 345	\$ 3,088	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,150
Summary										
Cost of Capital	\$ 480	\$ 231	\$ 2,068	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,779
Network Expense	717	345	3,088	-	-	-	-	-	-	4,150
TOTAL	\$ 1,197	\$ 576	\$ 5,156	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6,930

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	\$ 277	\$ 133	\$ 1,194	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,605
	17.28%	8.31%	74.41%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital	\$ 57	\$ 27	\$ 244	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	328
Network Expenses	\$ 52	\$ 25	\$ 225	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	302
Summary										
Cost of Capital	\$ 57	\$ 27	\$ 244	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	328
Network Expense	52	25	225	-	-	-	-	-	-	302
TOTAL	\$ 109	\$ 52	\$ 469	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	630

HAI Model Release 5.0a Page 36 CCCFactor

DeprecLife	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66
CCF-Fact	0.15007	0.15004	0.15003	0.15005	0.15008	0.15013	0.15019	0.15026	0.15034	0.15044	0.15053	0.15064	0.15074	0.15085	0.15097	0.15108	0.15120	0.15132	0.15144	0.15156	0.15168	0.15179	0.15191	0.15203	0.15214	0.15226	0.15237	0.15248	0.15259	0.15270	0.15280	0.15290	0.15301
DeprecFact	0.02041	0.02057	0.02073	0.02090	0.02107	0.02124	0.02141	0.02158	0.02175	0.02192	0.02209	0.02226	0.02243	0.02260	0.02277	0.02294	0.02311	0.02328	0.02345	0.02362	0.02379	0.02396	0.02413	0.02430	0.02447	0.02464	0.02481	0.02498	0.02515	0.02532	0.02549	0.02566	0.02583
ROF-Fact	0.08481	0.08538	0.08593	0.08647	0.08699	0.08750	0.08799	0.08847	0.08894	0.08939	0.08983	0.09026	0.09068	0.09108	0.09147	0.09185	0.09222	0.09258	0.09293	0.09327	0.09360	0.09391	0.09423	0.09453	0.09482	0.09511	0.09538	0.09565	0.09592	0.09617	0.09642	0.09666	0.09690
Fax-GU-Fact	0.15085	0.15069	0.15063	0.15067	0.15077	0.15089	0.15102	0.15115	0.15128	0.15141	0.15154	0.15167	0.15180	0.15193	0.15206	0.15219	0.15232	0.15245	0.15258	0.15271	0.15284	0.15297	0.15310	0.15323	0.15336	0.15349	0.15362	0.15375	0.15388	0.15401	0.15414	0.15427	0.15440
COE																																	
COE																																	
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	0.15843	0.15851	0.15858	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
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	0.15632	0.15642	0.15652	0.15662	0.15672	0.15682	0.15692	0.15702	0.15712	0.15722	0.15732	0.15742	0.15752	0.15762	0.15772
9	0.14945	0.14975	0.15004	0.15031	0.15056	0.15081	0.15104	0.15126	0.15147	0.15167	0.15186	0.15204	0.15221	0.15238	0.15254	0.15269	0.15284	0.15298	0.15312	0.15325	0.15337	0.15350	0.15361	0.15373	0.15383	0.15394	0.15404	0.15414	0.15424	0.15434	0.15444	0.15454	0.15464
10	0.14474	0.14518	0.14559	0.14598	0.14635	0.14670	0.14704	0.14735	0.14766	0.14794	0.14822	0.14848	0.14873	0.14897	0.14921	0.14943	0.14964	0.14984	0.15004	0.15023	0.15041	0.15059	0.15075	0.15092	0.15108	0.15123	0.15137	0.15152	0.15165	0.15179	0.15192	0.15204	0.15216
11	0.14003	0.14061	0.14115	0.14166	0.14214	0.14260	0.14304	0.14345	0.14385	0.14424	0.14458	0.14493	0.14525	0.14557	0.14587	0.14616	0.14644	0.14671	0.14696	0.14721	0.14745	0.14768	0.14790	0.14811	0.14832	0.14851	0.14871	0.14889	0.14897	0.14925	0.14942	0.14958	0.14974
12	0.13533	0.13603	0.13670	0.13733	0.13793	0.13850	0.13903	0.13955	0.14004	0.14050	0.14094	0.14137	0.14178	0.14216	0.14254	0.14289	0.14324	0.14357	0.14388	0.14419	0.14448	0.14477	0.14504	0.14530	0.14556	0.14580	0.14604	0.14627	0.14649	0.14671	0.14691	0.14712	0.14731
13	0.13062	0.13146	0.13225	0.13301	0.13372	0.13439	0.13503	0.13564	0.13622	0.13678	0.13731	0.13781	0.13830	0.13876	0.13920	0.13963	0.14004	0.14043	0.14081	0.14117	0.14152	0.14186	0.14218	0.14249	0.14280	0.14309	0.14337	0.14365	0.14391	0.14417	0.14441	0.14465	0.14489
14	0.12591	0.12689	0.12781	0.12868	0.12951	0.13029	0.13104	0.13174	0.13241	0.13306	0.13367	0.13426	0.13482	0.13535	0.13587	0.13636	0.13684	0.13729	0.13773	0.13815	0.13855	0.13895	0.13932	0.13969	0.14004	0.14038	0.14070	0.14102	0.14133	0.14163	0.14191	0.14219	0.14246
15	0.12120	0.12231	0.12336	0.12435	0.12529	0.12618	0.12703	0.12784	0.12860	0.12933	0.13003	0.13070	0.13134	0.13195	0.13253	0.13310	0.13363	0.13415	0.13465	0.13513	0.13559	0.13604	0.13646	0.13688	0.13728	0.13766	0.13804	0.13840	0.13875	0.13909	0.13941	0.13973	0.14004
16	0.11650	0.11774	0.11892	0.12003	0.12108	0.12208	0.12303	0.12393	0.12479	0.12561	0.12640	0.12714	0.12786	0.12854	0.12920	0.12983	0.13043	0.13101	0.13157	0.13211	0.13263	0.13313	0.13361	0.13407	0.13452	0.13495	0.13537	0.13577	0.13617	0.13654	0.13691	0.13727	0.13761
17	0.11179	0.11317	0.11457	0.11570	0.11687	0.11798	0.11903	0.12003	0.12098	0.12189	0.12276	0.12359	0.12438	0.12514	0.12587	0.12656	0.12723	0.12788	0.12849	0.12909	0.12966	0.13022	0.13075	0.13126	0.13176	0.13224	0.13270	0.13315	0.13358	0.13400	0.13441	0.13481	0.13519
18	0.10708	0.10860	0.11002	0.11138	0.11266	0.11387	0.11503	0.11613	0.11717	0.11817	0.11912	0.12003	0.12090	0.12173	0.12253	0.12330	0.12403	0.12474	0.12542	0.12607	0.12670	0.12731	0.12789	0.12845	0.12900	0.12953	0.13003	0.13053	0.13100	0.13146	0.13191	0.13234	0.13276
19	0.10238	0.10402	0.10558	0.10705	0.10845	0.10977	0.11103	0.11222	0.11336	0.11445	0.11548	0.11647	0.11742	0.11833	0.11920	0.12003	0.12083	0.12160	0.12234	0.12305	0.12374	0.12440	0.12505	0.12569	0.12624	0.12681	0.12737	0.12790	0.12842	0.12892	0.12941	0.12988	0.13034
20	0.09767	0.09945	0.10113	0.10273	0.10423	0.10567	0.10702	0.10832	0.10955	0.11072	0.11185	0.11292	0.11394	0.11492	0.11586	0.11676	0.11763	0.11846	0.11926	0.12003	0.12077	0.12149	0.12217	0.12284	0.12348	0.12410	0.12470	0.12528	0.12584	0.12638	0.12691	0.12742	0.12791
21	0.09296	0.09488	0.09669	0.09840	0.09992	0.10136	0.10274	0.10406	0.10534	0.10657	0.10776	0.10891	0.11006	0.11115	0.11223	0.11329	0.11435																

Depreciated life	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
CCFAct	0.15311	0.15320	0.15330	0.15339	0.15349	0.15358	0.15366	0.15375	0.15384	0.15392	0.15400	0.15408	0.15416	0.15423	0.15431
DeprecFact	0.01493	0.01471	0.01449	0.01429	0.01408	0.01389	0.01370	0.01351	0.01333	0.01316	0.01299	0.01282	0.01266	0.01250	0.01235
RORFact	0.09713	0.09735	0.09757	0.09778	0.09798	0.09818	0.09838	0.09857	0.09876	0.09894	0.09912	0.09929	0.09946	0.09962	0.09978
TaxGUFact	0.04106	0.04115	0.04124	0.04133	0.04142	0.04150	0.04159	0.04167	0.04174	0.04182	0.04190	0.04197	0.04204	0.04211	0.04218
COE															
COD															
NPV-EoP	1.35606	1.35703	1.35798	1.35890	1.35979	1.36066	1.36151	1.36234	1.36314	1.36392	1.36468	1.36542	1.36615	1.36685	1.36754
NPV-BuP	1.50861	1.50969	1.51075	1.51177	1.51277	1.51373	1.51468	1.51559	1.51649	1.51736	1.51820	1.51903	1.51983	1.52062	1.52138
Pmc-EoP	0.16126	0.16136	0.16146	0.16156	0.16166	0.16175	0.16185	0.16194	0.16203	0.16212	0.16220	0.16228	0.16237	0.16245	0.16253
Pmc-BuP	0.14495	0.14505	0.14514	0.14523	0.14531	0.14540	0.14548	0.14556	0.14564	0.14572	0.14580	0.14587	0.14595	0.14602	0.14609
Year															
1	0.17378	0.17358	0.17338	0.17319	0.17301	0.17283	0.17265	0.17248	0.17231	0.17215	0.17200	0.17184	0.17169	0.17155	0.17141
2	0.17139	0.17122	0.17106	0.17090	0.17075	0.17060	0.17046	0.17032	0.17018	0.17005	0.16992	0.16979	0.16967	0.16955	0.16943
3	0.16900	0.16887	0.16874	0.16862	0.16850	0.16838	0.16827	0.16816	0.16805	0.16794	0.16784	0.16774	0.16764	0.16755	0.16745
4	0.16661	0.16652	0.16642	0.16633	0.16624	0.16616	0.16607	0.16599	0.16591	0.16584	0.16576	0.16569	0.16562	0.16555	0.16548
5	0.16422	0.16416	0.16410	0.16405	0.16399	0.16393	0.16388	0.16383	0.16378	0.16373	0.16368	0.16364	0.16359	0.16355	0.16350
6	0.16184	0.16181	0.16178	0.16176	0.16173	0.16171	0.16169	0.16167	0.16165	0.16162	0.16160	0.16158	0.16156	0.16155	0.16153
7	0.15945	0.15946	0.15946	0.15947	0.15948	0.15949	0.15949	0.15950	0.15951	0.15952	0.15953	0.15954	0.15954	0.15955	0.15955
8	0.15706	0.15710	0.15714	0.15719	0.15723	0.15727	0.15730	0.15734	0.15738	0.15741	0.15745	0.15748	0.15751	0.15754	0.15757
9	0.15467	0.15475	0.15483	0.15490	0.15497	0.15504	0.15511	0.15518	0.15524	0.15531	0.15537	0.15543	0.15549	0.15554	0.15560
10	0.15228	0.15239	0.15251	0.15261	0.15272	0.15282	0.15292	0.15302	0.15311	0.15320	0.15329	0.15338	0.15346	0.15354	0.15362
11	0.14989	0.15004	0.15019	0.15033	0.15046	0.15060	0.15073	0.15085	0.15098	0.15109	0.15121	0.15132	0.15143	0.15154	0.15165
12	0.14750	0.14769	0.14787	0.14804	0.14821	0.14837	0.14853	0.14869	0.14884	0.14899	0.14913	0.14927	0.14941	0.14954	0.14967
13	0.14511	0.14533	0.14555	0.14575	0.14596	0.14615	0.14634	0.14653	0.14671	0.14688	0.14705	0.14722	0.14738	0.14754	0.14770
14	0.14273	0.14298	0.14323	0.14347	0.14370	0.14393	0.14415	0.14436	0.14457	0.14478	0.14498	0.14517	0.14536	0.14554	0.14572
15	0.14034	0.14063	0.14091	0.14118	0.14145	0.14171	0.14196	0.14220	0.14244	0.14267	0.14290	0.14312	0.14333	0.14354	0.14374
16	0.13795	0.13827	0.13859	0.13889	0.13919	0.13948	0.13976	0.14004	0.14031	0.14056	0.14082	0.14106	0.14130	0.14154	0.14177
17	0.13556	0.13592	0.13627	0.13661	0.13694	0.13726	0.13757	0.13788	0.13817	0.13846	0.13874	0.13901	0.13928	0.13954	0.13979
18	0.13317	0.13357	0.13395	0.13432	0.13468	0.13504	0.13538	0.13571	0.13604	0.13635	0.13666	0.13696	0.13725	0.13754	0.13782
19	0.13078	0.13121	0.13163	0.13204	0.13243	0.13281	0.13319	0.13355	0.13390	0.13425	0.13458	0.13491	0.13523	0.13554	0.13584
20	0.12839	0.12886	0.12931	0.12975	0.13018	0.13059	0.13099	0.13139	0.13177	0.13214	0.13250	0.13286	0.13320	0.13354	0.13386
21	0.12600	0.12656	0.12709	0.12766	0.12823	0.12877	0.12928	0.12976	0.13024	0.13069	0.13112	0.13154	0.13194	0.13233	0.13269
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	0.12211
27	0.11167	0.11238	0.11307	0.11374	0.11440	0.11503	0.11565	0.11625	0.11683	0.11740	0.11795	0.11849	0.11902	0.11953	0.12003
28	0.10928	0.11003	0.11075	0.11146	0.11214	0.11281	0.11345	0.11408	0.11470	0.11529	0.11588	0.11644	0.11699	0.11753	0.11806
29	0.10689	0.10768	0.10843	0.10917	0.10989	0.11058	0.11126	0.11192	0.11256	0.11319	0.11380	0.11439	0.11497	0.11553	0.11608
30	0.10450	0.10532	0.10611	0.10689	0.10763	0.10836	0.10907	0.10976	0.11043	0.11108	0.11172	0.11234	0.11294	0.11353	0.11410
31	0.10212	0.10297	0.10380	0.10460	0.10538	0.10614	0.10688	0.10760	0.10830	0.10898	0.10964	0.11029	0.11092	0.11153	0.11213
32	0.09973	0.10061	0.10148	0.10231	0.10313	0.10392	0.10469	0.10543	0.10616	0.10687	0.10756	0.10823	0.10889	0.10953	0.11015
33	0.09734	0.09826	0.09916	0.10003	0.10087	0.10169	0.10249	0.10327	0.10403	0.10476	0.10548	0.10618	0.10686	0.10753	0.10818
34	0.09495	0.09591	0.09684	0.09774	0.09862	0.09947	0.10030	0.10111	0.10189	0.10266	0.10340	0.10413	0.10484	0.10553	0.10620
35	0.09256	0.09355	0.09452	0.09545	0.09636	0.09725	0.09811	0.09894	0.09973	0.10055	0.10133	0.10208	0.10281	0.10353	0.10423
36	0.09017	0.09120	0.09220	0.09317	0.09411	0.09502	0.09592	0.09678	0.09763	0.09845	0.09925	0.10003	0.10079	0.10153	0.10225
37	0.08778	0.08885	0.08988	0.09088	0.09185	0.09280	0.09372	0.09462	0.09549	0.09634	0.09717	0.09797	0.09876	0.09953	0.10027
38	0.08539	0.08649	0.08756	0.08859	0.08960	0.09058	0.09153	0.09246	0.09336	0.09424	0.09509	0.09592	0.09673	0.09753	0.09830
39	0.08301	0.08414	0.08524	0.08631	0.08735	0.08836	0.08934	0.09029	0.09122	0.09213	0.09301	0.09387	0.09471	0.09553	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	Lathrop Telephone Company	
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	15,128	
intrastate DEMs, thousands	3,230	
interstate DEMs, thousands	3,189	21,547 total DEMs, thousands
Local call completion fraction	70.00%	
Total local calls attempted	3,428	2,400 Total local calls completed
Total intraLATA calls completed	205	
Total interLATA calls completed - intrastate	206	
Total interLATA calls completed - interstate	439	
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	2	
Average trunk utilization	30.00%	
Cost Parameters		
tax rate	39.25%	
corporate overhead factor	10.40%	
other taxes factor	5.00%	
billing/bill inquiry per line per month	\$ 2.30	
directory listing per line per month	\$ -	
forward-looking network operations factor	100.00%	
alternative CO switching factor	4.75%	
alternative circuit equipment factor	1.53%	
EO non-port fraction	70.00%	
per-line monthly LNP cost	\$ 0.25	
Carrier-carrier customer service, per line per year	\$ 1.69	
NID expense per line per year	\$ 1.00	
DS-0/DS-1 terminal factor	12.4	
DS-1/DS-3 terminal factor	9.9	
Average lines per business location	4.00	

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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	\$ 50,894
2421-nm	Aerial Cable - Non-Metall	22.24	-0.1753	18.92	\$ 27,327
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	\$ 1,005,666
2423-nm	Buried - Non-Metallic	23.86	-0.0858	21.97	\$ 655,329
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	\$ 1,056,560
Average Non-Metallic Cable (calculated)				21.83	\$ 682,656

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	3,230,000	
Interstate Toll DEMs	3,189,000	
trunk port usage	37,096,096	
trk-min/mo	10,044	
interLATA ded. trunks	53	
Common Transport MOU		
Local	35,377	w/o OS usage
Intrastate Toll	3,230,000	
Interstate Toll	3,189,000	
	6,454,377	
Intrastate IntraLATA Calls	205	49.88% SOCCC message counts
Intrastate InterLATA Calls	206	50.12%
	411	

Calculation of EO Usage

Local DEMs, incl OS	15,128,000	70.2% of total DEMs
Intraoffice Local DEMs	13,307,274	
Intraoffice Local Actual Min	6,653,637	
Interoffice Local Actual Min	1,820,726	per end
Intrastate Toll Actual Min	3,230,000	
Interstate Toll Actual Min	<u>3,189,000</u>	
	14,893,363	
Tandem Switch MOU		
Local	17,689	Dedicated Trunk-SW
IntraLATA Toll	805,535	60
InterLATA Toll	<u>4,807,929</u>	
	5,631,153	

Dedicated Transport MOU	
Local, w/o OS	866,741
IntraLATA Toll	-
InterLATA Toll	<u>6,419,000</u>
	7,285,741

TRANSFORMED REGULATED		1995 COMPANY NAME:	ICO	
		OTHER TAXES & UNCOLLECTIBLES CALCULATION	EXPENSES	NET REVENUES
		7230 OPERATING STATE & LOCAL INCOME TAX-NET	8	
		7240 OPERATING OTHER TAXES	35	
		5300 UNCOLLECTIBLE REVENUES		13
		530 NET REVENUES		848
		GROSS REVENUES (5300 + 530)		861
		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		12
		2121 BUILDINGS		168
6121	2121	TOTAL LAND & BUILDINGS	19	189
				0.103180
6112	2112	2112 MOTOR VEHICLES	1	29
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	23
6122	2122	2122 FURNITURE	1	11
6123	2123	2123 OFFICE EQUIPMENT	3	28
6124	2124	2124 GENERAL PRUPOSE COMPUTERS	28	44
6120	2110	2110 TOTAL LAND & SUPPORT ASSETS	51	317
				0.15965268
		TPIS - CENTRAL OFFICE SWITCHING		
		-		
6211	2211	2211 ANALOG ELECT SWITCH	1	18
6212	2212	2212 DIGITAL ELECTRONIC SWITCHING	32	554
6220	2220	2220 OPERATOR SYSTEMS	1	8
6210	2210	2210 CENTRAL OFFICE SWITCH	33	581
		TPIS - CENTRAL OFFICE TRANSMISSION		
		-		
6232	2232	2232 CIRCUIT EQUIPMENT	6	381
6230	2230	2230 TRANSMISSION	7	399
				0.016263483
		TPIS - INFORMATION ORIG/TERM		
		-		
6311	2311	2311 STATION APPARATUS	0	0
6321	2321	2321 CUSTOMER PREMISES WIRING	0	0
6341	2341	2341 LARGE PRIVATE BRANCH EXCHANGE	0	0
6351	2351	2351 PUBLIC TEL TERMINAL EQUIPMENT	2	12
6362	2362	2362 OTHER TERMINAL EQUIPMENT	4	21
6310	2310	2310 TOTAL INFORMATION ORIG/TERM	6	33
				0.182377792
		TPIS - CABLE & WIRE FACILITIES		
		-		
6411	2411	2411 POLES	3	66
6421	2421	2421 AERIAL CABLE	19	319
6422	2422	2422 UNDERGROUND CABLE	4	197
6423	2423	2423 BURIED CABLE	21	548
6441	2441	2441 CONDUIT SYSTEMS	0	112
6410	2410	2410 TOTAL CABLE & WIRE FACILITIES	48	1,247
				0.038842
		240 TOTAL TPIS(BEFORE AMORTIZABLE ASSETS) (2110+2210+2220+2230+2310+2410)	96	2,595
				0.037062996
		PLANT NON-SPECIFIC OPERATIONS EXPENSES	A. EXPENSES	B. TPIS INVESTMENT
		=	=	C. EXP/INV (A/B)
6512	240	6512 PROVISIONING EXPENSES	1	2,595
				0.000300
6531	240	6531 POWER EXPENSES	4	2,595
				0.001623
6532	240	6532 NETWORK ADMINISTRATION	11	2,595
				0.004102
6533	240	6533 TESTING	11	2,595
				0.004252
6534	240	6534 PLANT OPERATIONS ADMINISTRATION	17	2,595
				0.006391
6535	240	6535 ENGINEERING	9	2,595
				0.003373
6540	240	6540 ACCESS EXPENSE	14	2,595
				0.005573799
6530	240	6530 TOTAL NETWORK OPERATIONS EXPENSES	51	2,595
				0.019740601
6561	240	6561 DEPRECIATION - TPIS	181	2,595
				0.0096775250
		6561656165616561 DEPRECIATION - TPIS	181	2,595
				0.009677525
		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	1,247
				0.001041087
		CUSTOMER OPERATIONS EXPENSES	A. EXPENSES	B. NET REVENUES
		=	=	C. EXP/NET REV (A/B)
6611		6611 PRODUCT MANAGEMENT	7	CALC
6612		6612 SALES	14	CALC
6613		6613 PRODUCT ADVERTISING	5	CALC
6610		6610 TOTAL MARKETING EXPENSES	26	CALC
6621		6621 CALL COMPLETION SERVICE	6	CALC
6622		6622 NUMBER SERVICES	14	CALC
6623		6623 CUSTOMER SERVICES	47	CALC

6620	6620 TOTAL SERVICES EXPENSES	67	CALC
-	700 TOTAL CUSTOMER OPERATIONS EXPENSE (6610 + 6620)	92	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	5	CALC
6721	6721 ACCOUNTING & FINANCE	11	CALC
6722	6722 EXTERNAL RELATIONS	6	CALC
6723	6723 HUMAN RESOURCES	8	CALC
6724	6724 INFORMATION MANAGEMENT	29	CALC
6725	6725 LEGAL	2	CALC
6726	6726 PROCUREMENT	1	CALC
6727	6727 RESEARCH & DEVELOPMENT	2	CALC
6728	6728 OTHER GENERAL & ADMINISTRATIVE	25	CALC
6720	6720 TOTAL GENERAL & ADMINISTRATIVE	84	CALC
	710 TOTAL CORPORATE OPERATIONS EXPENSE (6710 + 6720 + 6790)	110	CALC
	720 TOTAL OPERATING EXPENSES		CALC
	DEM - LOCAL	15,129	
	DEM - INTRASTATE	3,230	
	DEM - INTERSTATE	3,189	
	MESSAGES - INTRALATA	295	
	MESSAGES - INTERLATA - interstate	439	
4308 (EC)	MESSAGES - INTERLATA - intrastate	206,542,136.1	
	LOCAL CALL ATTEMPTS	3,428	
	LINES - BUSINESS	333	
	RESIDENTIAL	902	
	PUBLIC	10	
	SPECIAL	83	
	TOTAL	1,330	
	5081 END USER		56
	5082 SWITCHED ACCESS		126
	5083 SPECIAL ACCESS		23
	TOTAL INTER ACCESS		206
	5084 END USER		
	5084 SWITCHED ACCESS		
	5084 SPECIAL ACCESS		
	STATE ACCESS		106
	TOTAL ACCESS REVENUES		312
	LD MESSAGE REVENUE		
	5100 INTERSTATE MESSAGE		
	5100 INTRASTATE MESSAGE		
	5100 INTERSTATE CALLING PLAN		
	5100 INTRASTATE CALLING PLAN		
	LD MSG REV (CLASS A)		89
	UNIDIRECTIONAL LD		
	5110 INTERSTATE		
	INTRASTATE		
	TOTAL		3
	5120 LD PRIVATE NETWORK		7
	OTHER LD		
	5160 INTERSTATE		
	INTRASTATE		
	TOTAL		1
	TOTAL LD NETWORK REVENUE		
	INTERSTATE		
	INTRASTATE		
	TOTAL		101
	BASIC LOCAL SERVICE		
	5001 BASIC AREA		275
	5002 OPTIONAL EXTEND AREA		8
	5003 CELLAR MOBIL		6
	5004 OTHER MOBIL SVC		1
	TOTAL BASIC SVC		290
	PUBLIC TELEPHONE REVENUE		
	5010 LOCAL PUBLIC MSG		
	UNIVERSAL		
	PB EXCHANGE IX CARRIER		
	CC COINLESS		
	PUBLIC EXH		

	SEMI-PUBLIC OTHER PUBLIC PHONE REV TOTAL PUBLIC PHONE REVENUE				8
	5040 LOCAL PRIVATE LINE				10
	CUSTOMER PREMISE 5050 STATION APP CUSTOMER PREMISE WIRING TOTAL CUSTOMER PREMISES				1
	OTHER LOCAL EXCHANGE 5060 CO FEATURES INFO TRANSPORT DIRECTORY ASSIST INTERCEPT SRVC OTHER LOC EXCH TOTAL OTHER				68
	TOTAL LOCAL NETWORK SRVC REVENUE INTERSTATE INTRASTATE			375.9578641	
	TOTAL REVENUE			789.1877838	
	CAPITAL STRUCTURE PARAMETERS DEBT/EQUITY RATIO COST OF DEBT COST OF EQUITY				
		BALANCE SHEET 43-02, B-1 AVG=(ab+af)/2 A	ACCRUEL 43-02, B-5 (col 2C) B	DEPR LIFE (ASSUMING STRAIGHT LIFE) C = (A/C)	
		-	-	-	
	ECONOMIC LIFE				
(2422,21,22,23,41)	FEEDER				
(2422,21,22,23,41)	DISTRIBUTION				
	2121 BUILDINGS				
	2232 DLC ELECTRONIC EQUIPMENT				
	2212 EO SWITCHING				
	2212 TANDEM SWITCHING				
	2220 OS POSITIONS				
	2220 OS TANDEM				
	2232 TRANSMISSION SYSTEMS				
	2351 PUBLIC TELEPHONE EQUIPMENT				
2122,2124	FURNITURE + GP COMPUTERS				
DATA SOURCEDATA SOURCEDATA SOURCEDATA SOURCEDATA SOURCEDATA SOURCESum checksum checksum checksum checksum checksum checksum check					
ARMIS 4303	Jan 1996 to Dec 1996		28215	495	
ARMIS 4304	GEORGIA		9007 (EJ)	9010	
ARMIS 4308		0 (EJ)			
DEM			0		
=	=	=	=	=	
UNCOLL RATE:	BA Lcl Svc	4303.Ln 520			375.9670179
	LD Ntwk Svs Rev	4303.Ln 525			101.9502633
	End User	4303.Ln 5081			56.417828
	Sw Acc	4303.Ln 5082			126.3144386
	Spcl Acc	4303.Ln 5083			23.24503126
	St Acc	4303.Ln 5084			106.1019537
	Uncoll Rev	4303.Ln 5300			13.3717178
	Tot Acc	4304.Ln4040 (P)			1.108374844
	B&C	4304.Ln4040 (Q)			0.108861299
	IX	4304.Ln4040 (R)			0.003935261
	Ln4040 (P+Q+R)	Calc (P+Q+R)			1.221171404
Uncoll -Acc	5300-(4040p..r)	1a			12.1505464
End User+ Riev	5081+520+525	1b			534.3350991
Uncoll Retail Rate		1c=(a/b)			0.022739663
Uncoll Wholesale rate	4040p/(5082..5084)	2a			0.004335323

Actuals for 1996 (\$000s)

	Investments	Expenses	Calculated Factor	
Plant-Specific Operations Expenses				
TPIS - General Support				
2111 Land	\$ 12	\$ -	-	
2112 Motor Vehicles	\$ 29	\$ 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	\$ 23	\$ 0	0.0113	
2121 Buildings	\$ 168	\$ 19	0.1103	Land & Bldg Exp Applied to Bldgs
2122 Furniture	\$ 11	\$ 1	0.1224	
2123 Office Equipment	\$ 28	\$ 3	0.1015	
2124 General Purpose Computers	\$ 44	\$ 28	0.6381	
2110 Total Land & Support Assets	\$ 317	\$ 52	0.1650	
TPIS - Central Office Switching				
2211 Analog Electronic Switching	\$ 18	\$ 1	0.0453	
2212 Digital Electronic Switching	\$ 554	\$ 32	0.0569	4.75% NET CO Switch Factor
2210 Total Central Office Switching	\$ 572	\$ 32	0.0565	
2220 Operator Systems	\$ 8	\$ 1	0.0675	
TPIS - Central Office Transmission				
2231 Satellite & Earth Station Facilities				
2231 Other Radio Facilities				
2231 Radio Systems				
2232 Circuit Equipment	\$ 381	\$ 6	0.0163	1.53% alternative factor
2230 Total Central Office Transmission	\$ 381	\$ 6	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	\$ 12	\$ 2	0.1881	
2362 Other Terminal Equipment	\$ 21	\$ 4	0.1763	
2310 Total Information Orig/Term	\$ 33	\$ 6	0.1824	
TPIS - Cable & Wire Facilities				
2411 Poles	\$ 66	\$ 3	0.0413	
2421 Aerial Cable	\$ 310	\$ 19	0.0629	0.0629
2422 Underground Cable	\$ 197	\$ 4	0.0196	0.0196
2423 Buried Cable	\$ 548	\$ 21	0.0389	0.0389
2424 Submarine Cable				Alternative fiber cable maintenance factors
2425 Deep Sea Cable				
2426 Intrabuilding Network Cable				
2431 Aerial Wire				
2441 Conduit Systems	\$ 112	\$ 0	0.0037	
2410 Total Cable & Wire Facilities	\$ 1,234	\$ 48	0.0388	
240 Total TPIS (before amortizable assets)	\$ 2,229	\$ 145	0.0652	
Plant Non-Specific Operations Expenses				
	Expenses	Investment	Factor	
6512 Provisioning Expenses	\$ 1	\$ 2,229	0.0003	
6531 Power Expenses	\$ 4	\$ 2,229	0.0019	8.10% all
6532 Network Administration	\$ 11	\$ 2,229	0.0048	20.47% switching, interoffice
6533 Testing	\$ 11	\$ 2,229	0.0050	21.22% all
6534 Plant Operations Administration	\$ 17	\$ 2,229	0.0074	31.89% all
6535 Engineering	\$ 9	\$ 2,229	0.0039	16.83% all
6540 Access Expense				
6530 Total Network Operations Expenses (includes provisioning)	\$ 52	\$ 2,229	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			1,330
6113 Aircraft	\$ 0			
6114 Special Purpose Vehicles	\$ 0			
6115 Garage Work Equipment	\$ 0			
6116 Other Work Equipment	\$ 0			
Aircraft & Special Purpose Vehicles	\$ 1	\$ 1,234	0.0011	annual net ops per line
				\$ 39.11

Customer Operations Expenses

	Expenses		Net Revenues		Factor		
6611 Product Management *	\$	7	\$	0.4638	\$	445	0.0166
6612 Sales *	\$	14	\$	0.8522	\$	445	0.0306
6613 Product Advertising	\$	5			\$	445	0.0110
6610 Total Marketing Expenses	\$	26					0.0582
6621 Call Completion Service	\$	6			\$	445	0.0131
6622 Number Services	\$	14	\$	0.8863	\$	445	0.0318
6623 Customer Services	\$	47	\$	2.9168	\$	445	0.1046
6620 Total Services Expenses	\$	67	\$	4.23			0.1495
Billing/bill inquiry (per line/month)	\$	2.30					
Directory listing (per line/month)		-					
700 Total Customer Operations Expenses	\$	92.42			\$	445	0.2078
							0.2442

Corporate Operations Expenses

Corporate Operations Expenses		Expenses	Revenues	Factor		
6711 Executive	\$	4	\$	445	0.0079	
6712 Planning	\$	2	\$	445	0.0039	
6710 Total Executive & Planning	\$	5	\$	445	0.0117	
6721 Accounting & Finance	\$	11	\$	445	0.0237	
6722 External Relations	\$	6	\$	445	0.0144	
6723 Human Resources	\$	8	\$	445	0.0171	
6724 Information Management	\$	29	\$	445	0.0653	
6725 Legal	\$	2	\$	445	0.0055	
6726 Procurement	\$	1	\$	445	0.0030	
6727 Research & Development	\$	2	\$	445	0.0038	
6728 Other General & Administrative	\$	25	\$	445	0.0554	
6720 Total General & Administrative	\$	84	\$	445	0.1880	
710 Total Corporate Operations Expense	\$	89	\$	445	0.1040	0.2347
720 Total Operating Expenses	\$	378				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	\$ 11	\$ 28	\$ 44	\$ 29	\$ 84	\$ 1	\$ 23
Investment/TPIS	0.005	0.013	0.020	0.013	0.038	0.000	0.010
Expense	\$ 1	\$ 3	\$ 28	\$ 1	\$ 9	\$ 0	\$ 0
Expense Factor	0.122	0.101	0.638	0.035	0.110	0.035	0.011
Model TPIS	\$ 3,957	\$ 3,957	\$ 3,957	\$ 3,957	\$ 3,957	\$ 3,957	\$ 3,957
Calculated Investment	\$ 20	\$ 50	\$ 77	\$ 52	\$ 149	\$ 1	\$ 40
Calculated Expense	\$ 2	\$ 5	\$ 49	\$ 2	\$ 16	\$ 0	\$ 0
Subtotal (\$s)	\$ 33,380						
Total Misc Expense	\$ 33,380						

Other Taxes & Uncollectibles Calculation

	Expenses		Net Revenues		Factor
7230 Operating State & Local Income Tax	\$	8	\$	(43)	
7240 Operating Other Taxes	\$	35	\$	(43)	0.0500
5300 Uncollectible Revenues	\$	13	\$	445	0.0301
retail					0.0227
wholesale					0.0043
Ratio of Net Plant to TPIS					
TPIS	\$	2,229			
Net Plant	\$	2,229			
Ratio	\$	1			
Model Investment	\$	-			
Model % of Net Plant	\$	-			
Model % of TPIS		0%			

Actual 1996 Revenue

		% of total
Interstate Access		
5081 End User	\$ 56	8.26%
5082 Switched Access	\$ 126	18.49%
5083 Special Access	\$ 23	3.40%
Total Inter Access	\$ 206	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	\$ 206	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	\$ 89	13.08%
Unidirectional LD Revenue		
5110 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 3	0.48%
LD Private Network Revenue		
5120 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 7	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	\$ 101	14.81%

Basic Local Service		
5001 Basic Area	\$ 275	40.21%
5002 Optional Extended Area	\$ 8	1.23%
5003 Cellular Mobile	\$ 6	0.95%
5004 Other Mobile Svcs	\$ 1	0.08%
Total Basic Local Service	\$ 290	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	\$ 8	1.18%
Local Private Line Revenue		
5040 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total Private Line	\$ 10	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	\$ 68	9.89%
Total Local Network Service Revenue		
Interstate	\$ -	0.00%
Intrastate	\$ 376	55.04%
Total Revenue	\$ 683	100.00%

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Expense Module Release 5.0a

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

Scenario Inputs

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

Workfile Name: C:\Program Files\HM50\WORKFILES\HMWKMO4219321.XLS
Distribution Module Name: C:\Program Files\HM50\MODULES\R50a_distribution.xls
Feeder Module Name: C:\Program Files\HM50\MODULES\R50a_feeder.xls
Switching Module Name: C:\Program Files\HM50\MODULES\R50a_switching_io-Dt-HRInd-TransForm-Fiber-Sharing.xls
Expense Module Name: C:\Program Files\HM50\MODULES\R50a_expense_density.xls

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

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User Adjustable Inputs

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

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User Adjustable Inputs

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

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User Adjustable Inputs

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

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User Adjustable Inputs

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

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User Adjustable Inputs

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

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User Adjustable Inputs

Switching Input	Current Scenario Value	Default Scenario Value	Expense Input	Current Scenario Value	Default Scenario Value
Constant EO Switching Investment Term, small ICO	520.14	520.14	Cost of Debt	0.088	0.088
Constant EO Switching Investment Term, BOC and large ICO	242.73	242.73	Debt Fraction	0.442	0.442
Switch Capacity Real-Time (BHCA) - 1	10,000	10,000	Cost of Equity	0.132	0.132
Switch Capacity Real-Time (BHCA) - 2	50,000	50,000	Average Trunk Utilization	0.300	0.300
Switch Capacity Real-Time (BHCA) - 3	200,000	200,000	Tax Rate	0.393	0.393
Switch Capacity Real-Time (BHCA) - 4	600,000	600,000	Corporate Overhead Factor	0.104	0.104
Switch Capacity Traffic (BHCCS) - 1	30,000	30,000	Other Taxes Factor	0.050	0.050
Switch Capacity Traffic (BHCCS) - 2	150,000	150,000	Billing/Bill Inquiry per line per month	2.300	2.300
Switch Capacity Traffic (BHCCS) - 3	600,000	600,000	Directory Listing per line per month	-	-
Switch Capacity Traffic (BHCCS) - 4	1,800,000	1,800,000	Forward-looking Network Operations Factor	1.000	1.000
Initial Switch Maximum Equipped Line Size	80,000	80,000	Alternative CO Switching Factor	0.048	0.048
Switch Port Administrative Fill	0.94	0.94	Alternative Circuit Equipment Factor	0.015	0.015
Switch Maximim Processor Occupancy	0.90	0.90	EO Traffic Sensitive Fraction	0.700	0.700
Processor Feature Loading Multiplier - normal	1.20	1.20	Monthly LNP cost, per line	0.250	0.250
Processor Feature Loading Multiplier - heavy business	2.00	2.00	Carrier to Carrier Customer Service, per line per ye	1.69	1.69
Processor Feature Loading Multiplier - business penetration threshold	0.30	0.30	NID Expense per line per year	1.00	1.00
MDF/Protector Investment per line	-	-	DS-0/DS-1 Terminal Factor	12.4	12.4
Analog Line Circuit Offset for DLC lines, per line	-	-	DS-1/DS-3 Terminal Factor	9.9	9.9
Switch Installation Multiplier	1.00	1.00	Average Lines per Business Location	4	4
Operator Traffic Fraction	0.02	0.02	Distribution Aerial Shring Fraction - 0	1.00	1.00
Total Interoffice Traffic Fraction	0.40	0.40	Distribution Aerial Shring Fraction - 5	1.00	1.00
Maximum Trunk Occupancy, CCS	27.50	27.50	Distribution Aerial Shring Fraction - 100	1.00	1.00
Trunk Port, per end	100.00	100.00	Distribution Aerial Shring Fraction - 200	0.50	0.50
Entrance Facility Distance, miles	0.50	0.50	Distribution Aerial Shring Fraction - 650	0.50	0.50
Direct-routed Fraction of Local Interoffice	0.98	0.98	Distribution Aerial Shring Fraction - 850	0.50	0.50
POPs per Tandem Location	5.00	5.00	Distribution Aerial Shring Fraction - 2550	0.50	0.50
Tandem-routed Fraction of Total IntraLATA Traffic	1.00	1.00	Distribution Aerial Shring Fraction - 5000	0.50	0.50
Tandem-routed Fraction of Total InterLATA Traffic	1.00	1.00	Distribution Aerial Shring Fraction - 10000	0.50	0.50
Local Call Attempts	3,428	3,428	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	205	205	Distribution Buried Shring Fraction - 100	1.00	1.00
InterLATA intrastate Calls Completed	206	206	Distribution Buried Shring Fraction - 200	1.00	1.00
InterLATA interstate Calls Completed	439	439	Distribution Buried Shring Fraction - 650	1.00	1.00
Local DEMs, thousands	15,128	15,128	Distribution Buried Shring Fraction - 850	1.00	1.00
Intrastate DEMs, thousands	3,230	3,230	Distribution Buried Shring Fraction - 2550	1.00	1.00
Interstate DEMs, thousands	3,189	3,189	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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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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Switching Input			Expense Input		
	Current Scenario Value	Default Scenario Value		Current Scenario Value	Default Scenario Value