

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	19	-	19	-	-	-	19	\$	-	\$	-	\$	-	\$	89,750	\$	4,466	\$	-	\$	2,523		
5	DLC	527	-	527	-	-	-	514	\$	-	\$	-	\$	-	\$	240,574	\$	11,856	\$	-	\$	34,430		
100	DLC	1,115	161	924	26	4	12	893	\$	-	\$	-	\$	-	\$	195,815	\$	9,818	\$	-	\$	-	\$	147,458
200	DLC																							
650	DLC																							
850	DLC																							
2550	DLC																							
5000	DLC																							
10000	DLC																							
0	non-DLC	71	-	71	-	-	-	70	\$	-	\$	13,682	\$	692	\$	-	\$	-	\$	-	\$	5,291	\$	-
5	non-DLC																							
100	non-DLC																							
200	non-DLC																							
650	non-DLC																							
850	non-DLC																							
2550	non-DLC																							
5000	non-DLC																							
10000	non-DLC																							
Totals/Avg		1,732	161	1,541	26	4	12	1,496	\$	-	\$	13,682	\$	692	\$	-	\$	526,139	\$	26,141	\$	-	\$	184,412

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	\$ 248	\$ -	\$ 11,136	\$ 564	\$ -	\$ -	\$ 31,705	\$ 2,301	0.00%	38.15%	0.00%	\$ 20,700	\$ 350	\$ 1,601	\$ 2,019	\$ 547	25,733
5	DLC	\$ 4,089	\$ -	\$ 456,290	\$ 23,092	\$ -	\$ -	\$ 507,076	\$ 26,692	0.00%	29.20%	0.00%	\$ 178,381	\$ 5,000	\$ 44,263	\$ 54,723	\$ 14,949	80,547
100	DLC																	
200	DLC	\$ 14,488	\$ -	\$ 501,772	\$ 25,393	\$ -	\$ -	\$ 476,323	\$ 27,939	0.00%	23.22%	0.00%	\$ 180,300	\$ 7,600	\$ 46,785	\$ 69,201	\$ 28,827	13,596
650	DLC																	
850	DLC																	
2550	DLC																	
5000	DLC																	
10000	DLC																	
0	non-DLC																	
5	non-DLC	\$ 926	\$ -	\$ 48,756	\$ 2,467	\$ -	\$ -	\$ 82,806	\$ 4,602	71.28%	35.64%	71.28%	\$ -	\$ 1,000	\$ 5,984	\$ 7,495	\$ 2,031	5,539
100	non-DLC																	
200	non-DLC																	
650	non-DLC																	
850	non-DLC																	
2550	non-DLC																	
5000	non-DLC																	
10000	non-DLC																	
Totals/Avg		\$ 19,751	\$ -	\$ 1,017,955	\$ 51,516	\$ -	\$ -	\$ 1,097,910	\$ 61,534				\$ 379,381	\$ 13,950	\$ 98,633	\$ 133,439	\$ 46,353	125,415

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	15,713	19 \$	8,088 \$	- \$	1,370 \$	208 \$	36 \$	48 \$	15 \$	19 \$	450 \$	28	\$	3,005 \$	93 \$	58 \$	-
5	DLC	251,301	527 \$	223,575 \$	- \$	37,860 \$	7,164 \$	1,002 \$	1,318 \$	422 \$	527 \$	27,417 \$	769	\$	159,922 \$	4,426 \$	2,673 \$	-
100	DLC	260,328	1,115 \$	461,513 \$	- \$	78,152 \$	11,852 \$	2,068 \$	2,721 \$	871 \$	1,088 \$	25,660 \$	1,586	\$	175,601 \$	5,422 \$	3,401 \$	-
650	DLC																	
850	DLC																	
2550	DLC																	
5000	DLC																	
10000	DLC																	
0	non-DLC	41,038	- \$	30,223 \$	- \$	5,118 \$	776 \$	135 \$	178 \$	57 \$	71 \$	1,680 \$	104	\$	11,229 \$	347 \$	217 \$	-
5	non-DLC																	
100	non-DLC																	
200	non-DLC																	
650	non-DLC																	
850	non-DLC																	
2550	non-DLC																	
5000	non-DLC																	
10000	non-DLC																	
Totals/Avg		568,380	1,661 \$	723,399 \$	- \$	122,500 \$	20,000 \$	3,241 \$	4,265 \$	1,365 \$	1,706 \$	55,207 \$	2,487 \$	- \$	349,758 \$	10,287 \$	6,350 \$	-

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		\$ 1,708		\$ 909	\$ 28	\$ 18	\$ -		\$ 517		\$ 1,075	\$ 33	\$ 21	\$ -		\$ 611	0
5	DLC		\$ 32,047		\$ 65,395	\$ 1,796	\$ 1,082	\$ -		\$ 11,582		\$ 16,791	\$ 496	\$ 307	\$ -		\$ 6,985	7
100	DLC																	
200	DLC		\$ 99,819		\$ 53,143	\$ 1,641	\$ 1,029	\$ -		\$ 30,209		\$ 62,822	\$ 1,940	\$ 1,217	\$ -		\$ 35,711	10
650	DLC																	
850	DLC																	
2550	DLC																	
5000	DLC																	
10000	DLC																	
0	non-DLC																	
5	non-DLC		\$ 6,383		\$ 3,398	\$ 105	\$ 66	\$ -		\$ 1,932		\$ 4,017	\$ 124	\$ 78	\$ -		\$ 2,284	1
100	non-DLC																	
200	non-DLC																	
650	non-DLC																	
850	non-DLC																	
2550	non-DLC																	
5000	non-DLC																	
10000	non-DLC																	
Totals/Avg		\$ -	\$ 139,958	\$ -	\$ 122,845	\$ 3,570	\$ 2,195	\$ -	\$ -	\$ 44,239	\$ -	\$ 84,705	\$ 2,593	\$ 1,622	\$ -	\$ -	\$ 45,591	18

HA															
density zone (lines/sq mi)	feeder type	prop local tandem trunks	prop intraLATA direct trunks	prop intraLATA tandem trunks	prop access dedicated trunks	prop access tandem trunks	prop operator trunks	SCP investment	SCP wire center inv	STP inv	signaling link inv	total public telephone inv	total residential annual DEMs	total business annual DEMs	Total Investment
0	DLC	0	0	0	0	1	0	48 \$	8 \$	105 \$	106 \$	43	300,051	-	186,557
5	DLC	2	1	10	5	21	5	1,318 \$	211 \$	2,900 \$	12,565 \$	449	8,294,497	-	2,222,413
100	DLC														
200	DLC	2	1	17	22	41	7	2,721 \$	435 \$	5,986 \$	6,029 \$	2,460	14,528,338	3,825,844	2,806,818
650	DLC														-
850	DLC														-
2550	DLC														-
5000	DLC														-
10000	DLC														-
0	non-DLC														-
5	non-DLC	0	0	1	1	3	0	178 \$	29 \$	392 \$	395 \$	161	1,121,269	-	245,413
100	non-DLC														-
200	non-DLC														-
650	non-DLC														-
850	non-DLC														-
2550	non-DLC														-
5000	non-DLC														-
10000	non-DLC														-
Totals/Avg		5	2	28	28	66	13	4,265 \$	682 \$	9,383 \$	19,095 \$	3,113	24,244,156	3,825,844	5,461,200

Universal Service Calculation Sheet - monthly costs per line

**Missouri
Goodman Tel Co**

	0 - 5 lines/sq mi	5 - 100 lines/sq mi	100 - 200 lines/sq mi	200 - 650 lines/sq mi	650 - 850 lines/sq mi	850 - 2,550 lines/sq mi	2,550 - 5,000 lines/sq mi	5,000 - 10,000 lines/sq mi	> 10,000 lines/sq mi	Weighted Average
Local network costs										
Loop	\$ 196.44	\$ 66.93	\$ -	\$ 34.51	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 47.69
Port	3.82	3.82	-	3.82	-	-	-	-	-	3.82
End office usage	5.08	5.08	-	5.08	-	-	-	-	-	5.08
Signaling	0.11	0.11	-	0.11	-	-	-	-	-	0.11
Transport	2.37	2.37	-	2.37	-	-	-	-	-	2.37
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	\$ 210.86	\$ 81.35	\$ -	\$ 48.93	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 62.11
@ Residence usage per line	\$ 210.76	\$ 81.25	\$ -	\$ 48.82	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 63.42
@ Business usage per line	\$ 211.80	\$ 82.30	\$ -	\$ 49.87	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 49.87
Total switched lines	19	599	-	1,088	-	-	-	-	-	1,706
Primary residence lines	19	583	-	893	-	-	-	-	-	1,496
Secondary residence lines	0	15	-	30	-	-	-	-	-	45
Single line business lines	-	-	-	12	-	-	-	-	-	12
Multiline business lines	-	-	-	149	-	-	-	-	-	149
Public lines	-	-	-	4	-	-	-	-	-	4
FEDERAL FUND ANALYSIS										
Annual Support										
for line types:	Specify	Bench mark								
Primary residence lines	X	\$31.00	\$ 40,583	\$ 351,795	\$ -	\$ 191,083	\$ -	\$ -	\$ -	\$ 583,461
Secondary residence lines		\$31.00	\$ 560	\$ 9,107	\$ -	\$ 6,444	\$ -	\$ -	\$ -	\$ 16,111
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			\$ 41,143	\$ 360,902	\$ -	\$ 197,528	\$ -	\$ -	\$ -	\$ 599,572
Total annual support for specified lines										
@25% Federal allocation			\$ 10,146	\$ 87,949	\$ -	\$ 47,771	\$ -	\$ -	\$ -	\$ 145,865
@Implied 75% State allocation			\$ 30,437	\$ 263,846	\$ -	\$ 143,313	\$ -	\$ -	\$ -	\$ 437,596

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

\$20.00	\$ 43,067	\$ 428,808	\$ -	\$ 309,012	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 780,886
\$30.00	\$ 40,809	\$ 358,796	\$ -	\$ 201,804	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 601,409
\$40.00	\$ 38,551	\$ 288,784	\$ -	\$ 94,596	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 421,932
\$50.00	\$ 36,294	\$ 218,773	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 255,066
\$60.00	\$ 34,036	\$ 148,761	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 182,797
\$70.00	\$ 31,778	\$ 78,749	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 110,527
\$80.00	\$ 29,520	\$ 8,738	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 38,258

STATE FUND ANALYSIS															
Annual Support for line types:		Specify	Bench mark												
Primary residence lines	X	\$31.00	\$	40,583	\$	351,795	\$	-	\$	191,083	\$	-	\$	583,461	
Secondary residence lines		\$31.00	\$	560	\$	9,107	\$	-	\$	6,444	\$	-	\$	16,111	
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			\$	41,143	\$	360,902	\$	-	\$	197,528	\$	-	\$	599,572	
Total annual support for specified lines				\$	40,583	\$	351,795	\$	-	\$	191,083	\$	-	\$	583,461
@75% State allocation				\$	30,437	\$	263,846	\$	-	\$	143,313	\$	-	\$	437,596
@Implied 25% Federal allocation				\$	10,146	\$	87,949	\$	-	\$	47,771	\$	-	\$	145,865

TOTAL FUND ANALYSIS																
25% Federal allocation from Federal Fund Analysis	\$	10,146	\$	87,949	\$	-	\$	47,771	\$	-	\$	-	\$	-	\$	145,865
75% State allocation from State Fund Analysis	\$	30,437	\$	263,846	\$	-	\$	143,313	\$	-	\$	-	\$	-	\$	437,596
Total Federal + State fund	\$	40,583	\$	351,795	\$	-	\$	191,083	\$	-	\$	-	\$	-	\$	583,461

Module release date: 11/4/1997

COST OF NETWORK ELEMENTS

**Missouri
Goodman Tel Co**

Loop elements	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
NID										
Annual Cost	\$ 141	\$ 4,377	\$ -	\$ 7,362	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,880
Unit Cost/month	0.62	0.61	-	0.55	-	-	-	-	-	0.57
Loop Distribution (DLC)										
Annual Cost	\$ 13,161	\$ 295,684	\$ -	\$ 300,779	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 609,625
Unit Cost/month	57.50	46.73	-	22.49	-	-	-	-	-	30.59
Loop Distribution (non-DLC)										
Annual Cost	\$ -	\$ 40,477	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,477
Unit Cost/month	-	47.32	-	-	-	-	-	-	-	47.32
Loop Distribution (all)										
Annual Cost	\$ 13,161	\$ 336,161	\$ -	\$ 300,779	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 650,101
Unit Cost/month	57.50	46.80	-	22.49	-	-	-	-	-	31.28
Loop Concentration (DLC)										
Annual Cost	\$ 5,861	\$ 51,021	\$ -	\$ 52,227	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 109,108
Unit Cost/month	25.61	8.06	-	3.90	-	-	-	-	-	5.47
Loop Concentration (non-DLC)										
Annual Cost	\$ -	\$ 238	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 238
Unit Cost/month	-	0.28	-	-	-	-	-	-	-	0.28
Loop Concentration (all)										
Annual Cost	\$ 5,861	\$ 51,259	\$ -	\$ 52,227	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 109,346
Unit Cost/month	25.61	7.14	-	3.90	-	-	-	-	-	5.26
Loop Feeder (DLC)										
Annual Cost	\$ 25,051	\$ 75,424	\$ -	\$ 93,495	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 193,970
Unit Cost/month	109.45	11.92	-	6.99	-	-	-	-	-	9.73
Loop Feeder (non-DLC)										
Annual Cost	\$ -	\$ 5,518	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,518
Unit Cost/month	-	6.45	-	-	-	-	-	-	-	6.45
Loop Feeder (all)										
Annual Cost	\$ 25,051	\$ 80,942	\$ -	\$ 93,495	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 199,488
Unit Cost/month	109.45	11.27	-	6.99	-	-	-	-	-	9.60
Total Loop (DLC)										
Annual Cost	\$ 44,214	\$ 425,984	\$ -	\$ 453,863	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 924,061
Unit Cost/month	193.17	67.33	-	33.93	-	-	-	-	-	46.36
Total Loop (non-DLC)										
Annual Cost	\$ -	\$ 46,755	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 46,755
Unit Cost/month	-	54.66	-	-	-	-	-	-	-	54.66
Total Loop (all)										
Annual Cost	\$ 44,214	\$ 472,739	\$ -	\$ 453,863	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 970,816
Unit Cost/month	193.17	65.82	-	33.93	-	-	-	-	-	46.70
Total lines	19	599	-	1,115	-	-	-	-	-	1,732
Total lines served by DLC	19	527	-	1,115	-	-	-	-	-	1,661

	Annual Cost	Units	Unit Cost
End office switching	\$ 256,661		
Line Port	76,998	1,706 switched lines	\$ 3.76 per line/month
Non-Line Port	179,663	19,402,087 actual minutes	\$ 0.00926 per actual minute (for rate per DEM, see "Cost detail" sheet)
Signaling network elements	\$ 9,343		
Links	5,337	4 links	\$ 112.24 per link per month
STP	2,623	10,987,206 TCAP+ISUP msgs	\$ 0.00024 per signaling message
SCP	1,383	1,114,600 TCAP queries	\$ 0.00124 per query
Transport network elements			
<i>Dedicated</i>			
Sw+Sp Transport	\$ 23,937	28 trunks	\$ 70.76 per DS-0 equivalent per month
Switched	1,698	2 trunks	\$ 0.00704 per minute
Special	22,239	26 trunks	
Transmission Terminal	13,244	28 trunks	\$ 39.15 per DS-0 equivalent per month
			\$ 0.00390 per minute
			\$ 0.01094 total per minute
<i>Common</i>			
Transport	\$ 98,000	8,408,092 minutes	\$ 0.00821 per minute per leg (orig or term)
Transmission Terminal	40,584	8,408,092 minutes	\$ 0.00340 per minute
			\$ 0.01161 total per minute
<i>Direct</i>			
Transport	\$ 34,335	1,129,254 minutes	\$ 0.03041 per minute
Transmission Terminal	12,819	1,129,254 minutes	\$ 0.01135 per minute
			\$ 0.04176 total per minute
Tandem switch	\$ 2,464	7,336,971 minutes	\$ 0.00034 per minute
Operator systems	\$ 21,983		
Public Telephones	\$ 1,625		
Total (w/ Public)	\$ 1,485,809		
Total cost of switched network elements (w/o Public)	\$ 70.09 per line/month		

	interconnected at		
	end office	tandem	wtd average
Local interconnection			
EO switching	\$ 0.00926	\$ 0.00926	
ISUP	\$ 0.00090	\$ 0.00090	
Common Transport	\$ -	\$ 0.01161	
Tandem Switching	\$ -	\$ 0.00034	
TOTAL	\$ 0.01016	\$ 0.02211	n/a

IXC switched access			
EO switching	\$ 0.00926	\$ 0.00926	
ISUP	\$ 0.00090	\$ 0.00090	
Dedicated Transport	\$ 0.01094	\$ 0.01094	
Common Transport	\$ -	\$ 0.01161	
Tandem Switching	\$ -	\$ 0.00034	
TOTAL	\$ 0.02110	\$ 0.03305	\$ 0.03305

Signaling detail			
cost per 800 call attempt (TCAP)	\$ 0.0030		
ISUP cost/transaction	\$ 0.00468		
ISUP cost/completion	0.0067		
IXC switched access MOU/comp	7.45		
ISUP cost/min	\$ 0.000897		
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 179,663
Total DEMs 28,070,000
Cost per DEM \$ 0.00640

Dedicated Transport Costs Per Trunk	
DS-0 per month	
Transport per month	\$ 70.76
Terminal per month *	\$ 485.47
TOTAL	\$ 556.23

DS-1 per month	
Transport per month	\$ 1,698.29
Terminal per month	\$ 939.61
TOTAL	\$ 2,637.90

DS-3 per month	
Transport per month	\$ 47,552.16
Terminal per month	\$ 2,657.49
TOTAL	\$ 50,209.64

Trunk Port Costs	
per trunk port (DS-0 equivalent) per month	\$ 2.96
per trunk port minute	\$ 0.000294

total EO usage per minute	\$ 0.009260
trk port/min	\$ 0.000294
other	\$ 0.008966

	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)	38.1%	29.2%	0.0%	23.2%	0.0%	0.0%	0.0%	0.0%	0.0%	25.3%
calculated distribution fill (non-DLC)	0.0%	35.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	35.6%
weighted average										25.7%

Per DS0 Transport Calculations	
Entrance Facility Investment per Line	\$ -
Total Dedicated Terminal Investment	45,591
Total Lines	1,732
Total Dedicated Terminal Investment per line	\$ 26
Entrance Facility percent to total	\$ -
Terminal Investment per DS-0	\$ 1,617
Transport Investment per DS-0	\$ 3,154

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	\$ 87	\$ 2,717	\$ -	\$ 4,612	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,417
Network Expenses	\$ 19	\$ 583	\$ -	\$ 934	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,536
Direct expense	\$ 106	\$ 3,300	\$ -	\$ 5,546	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,953
Investment	\$ 547	\$ 16,980	\$ -	\$ 28,827	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 46,353
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Support & Overhead per direct exp.	\$ 34	\$ 1,051	\$ -	\$ 1,766	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,850
Total	\$ 140	\$ 4,351	\$ -	\$ 7,312	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,803
with carrier-to-carrier	\$ 140	\$ 4,358	\$ -	\$ 7,330	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,828
Distribution (DLC)										
Annual Capital Cost	\$ 7,997	\$ 179,117	\$ -	\$ 181,887	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 369,001
Network Expenses	\$ 1,936	\$ 43,845	\$ -	\$ 44,696	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 90,477
Direct expense	\$ 9,933	\$ 222,962	\$ -	\$ 226,583	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 459,478
Investment	\$ 49,327	\$ 1,112,136	\$ -	\$ 1,133,444	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,294,906
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Support & Overhead per direct exp.	\$ 3,163	\$ 70,990	\$ -	\$ 72,143	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 146,295
Total	\$ 13,095	\$ 293,952	\$ -	\$ 298,726	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 605,773
with carrier-to-carrier	\$ 13,104	\$ 294,402	\$ -	\$ 299,475	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 606,982
Distribution (non-DLC)										
Annual Capital Cost	\$ -	\$ 24,539	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 24,539
Network Expenses	\$ -	\$ 5,982	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,982
Direct expense	\$ -	\$ 30,522	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,522
Investment	\$ -	\$ 152,110	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 152,110
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Support & Overhead per direct exp.	\$ -	\$ 9,718	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,718
Total	\$ -	\$ 40,240	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,240
with carrier-to-carrier	\$ -	\$ 40,301	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,301
Distribution (all)										
Annual Capital Cost	\$ 7,997	\$ 203,656	\$ -	\$ 181,887	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 393,540
Network Expenses	\$ 1,936	\$ 49,827	\$ -	\$ 44,696	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 96,459
Direct expense	\$ 9,933	\$ 253,484	\$ -	\$ 226,583	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 490,000
Investment	\$ 49,327	\$ 1,264,246	\$ -	\$ 1,133,444	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,447,016
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Support & Overhead per direct exp.	\$ 3,163	\$ 80,708	\$ -	\$ 72,143	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 156,013
Total	\$ 13,095	\$ 334,191	\$ -	\$ 298,726	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 646,013
with carrier-to-carrier	\$ 13,104	\$ 334,704	\$ -	\$ 299,475	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 647,283
Concentrator (DLC)										
Annual Capital Cost	\$ 4,100	\$ 35,645	\$ -	\$ 36,436	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 76,181
Network Expenses	\$ 324	\$ 2,827	\$ -	\$ 2,908	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,058
Direct expense	\$ 4,423	\$ 38,472	\$ -	\$ 39,344	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 82,239
Investment	\$ 21,050	\$ 183,381	\$ -	\$ 187,900	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 393,331
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Support & Overhead per direct exp.	\$ 1,408	\$ 12,249	\$ -	\$ 12,527	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 26,184
Total	\$ 5,831	\$ 50,722	\$ -	\$ 51,870	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 108,424
with carrier-to-carrier	\$ 5,835	\$ 50,800	\$ -	\$ 52,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 108,635
Concentrator (non-DLC)										
Annual Capital Cost	\$ -	\$ 160	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 160
Network Expenses	\$ -	\$ 20	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20
Direct expense	\$ -	\$ 180	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 180
Investment	\$ -	\$ 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Support & Overhead per direct exp.	\$ -	\$ 57	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 57
Total	\$ -	\$ 237	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 237
with carrier-to-carrier	\$ -	\$ 237	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 237
Concentrator (all)										
Annual Capital Cost	\$ 4,100	\$ 35,805	\$ -	\$ 36,436	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 76,341
Network Expenses	\$ 324	\$ 2,847	\$ -	\$ 2,908	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,078
Direct expense	\$ 4,423	\$ 38,652	\$ -	\$ 39,344	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 82,419
Investment	\$ 21,050	\$ 184,381	\$ -	\$ 187,900	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 393,331
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Support & Overhead per direct exp.	\$ 1,408	\$ 12,307	\$ -	\$ 12,527	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 26,242
Total	\$ 5,831	\$ 50,959	\$ -	\$ 51,870	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 108,660
with carrier-to-carrier	\$ 5,835	\$ 51,037	\$ -	\$ 52,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 108,872
Feeder (DLC)										
Annual Capital Cost	\$ 15,028	\$ 45,268	\$ -	\$ 56,169	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 116,465
Network Expenses	\$ 3,879	\$ 11,696	\$ -	\$ 14,262	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 29,747
Direct expense	\$ 18,907	\$ 56,874	\$ -	\$ 70,432	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 146,212
Investment	\$ 96,988	\$ 290,949	\$ -	\$ 360,336	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 748,272
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Support & Overhead per direct exp.	\$ 6,020	\$ 18,108	\$ -	\$ 22,425	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 46,553
Total	\$ 24,926	\$ 74,982	\$ -	\$ 92,857	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 192,765
with carrier-to-carrier	\$ 24,943	\$ 75,097	\$ -	\$ 93,089	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 193,129
Feeder (non-DLC)										
Annual Capital Cost	\$ -	\$ 3,342	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,342
Network Expenses	\$ -	\$ 819	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 819
Direct expense	\$ -	\$ 4,161	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,161

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	\$ -	\$ 20,592	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	20,592
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ -	\$ 1,325	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,325
Total	\$ -	\$ 5,486	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,486
with carrier-to-carrier	\$ -	\$ 5,494	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,494
Feeder (all)										
Annual Capital Cost	\$ 15,028	\$ 48,609	\$ -	\$ 56,169	\$ -	\$ -	\$ -	\$ -	\$ -	119,806
Network Expenses	\$ 3,879	\$ 12,426	\$ -	\$ 14,262	\$ -	\$ -	\$ -	\$ -	\$ -	30,566
Direct expense	\$ 18,907	\$ 61,035	\$ -	\$ 70,432	\$ -	\$ -	\$ -	\$ -	\$ -	150,373
Investment	\$ 96,988	\$ 311,542	\$ -	\$ 360,336	\$ -	\$ -	\$ -	\$ -	\$ -	768,865
Support & Overhead per line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Support & Overhead per direct exp.	\$ 6,020	\$ 19,433	\$ -	\$ 22,425	\$ -	\$ -	\$ -	\$ -	\$ -	47,878
Total	\$ 24,926	\$ 80,468	\$ -	\$ 92,857	\$ -	\$ -	\$ -	\$ -	\$ -	198,251
with carrier-to-carrier	\$ 24,943	\$ 80,591	\$ -	\$ 93,089	\$ -	\$ -	\$ -	\$ -	\$ -	198,623
End Office Switching										
Annual Capital Cost	\$ 1,551	\$ 48,897	\$ -	\$ 88,480	\$ -	\$ -	\$ -	\$ -	\$ -	138,927
Network Expenses	\$ 535	\$ 16,795	\$ -	\$ 30,540	\$ -	\$ -	\$ -	\$ -	\$ -	47,870
Direct expense	\$ 2,086	\$ 65,691	\$ -	\$ 119,020	\$ -	\$ -	\$ -	\$ -	\$ -	186,797
Investment	\$ 9,665	\$ 304,716	\$ -	\$ 551,518	\$ -	\$ -	\$ -	\$ -	\$ -	865,899
Support expenses	\$ 419	\$ 14,290	\$ -	\$ 29,490	\$ -	\$ -	\$ -	\$ -	\$ -	44,199
Subtotal, with misc spt	\$ 2,505	\$ 79,981	\$ -	\$ 148,510	\$ -	\$ -	\$ -	\$ -	\$ -	230,996
Total, with var overhead	\$ 2,765	\$ 88,299	\$ -	\$ 163,955	\$ -	\$ -	\$ -	\$ -	\$ -	255,020
with carrier-to-carrier	\$ 2,767	\$ 88,432	\$ -	\$ 164,349	\$ -	\$ -	\$ -	\$ -	\$ -	255,548
Signaling										
Annual Capital Cost	\$ 43	\$ 2,885	\$ -	\$ 2,439	\$ -	\$ -	\$ -	\$ -	\$ -	5,367
Network Expenses	\$ 12	\$ 756	\$ -	\$ 695	\$ -	\$ -	\$ -	\$ -	\$ -	1,464
Direct expense	\$ 55	\$ 3,641	\$ -	\$ 3,135	\$ -	\$ -	\$ -	\$ -	\$ -	6,830
Investment	\$ 266	\$ 17,988	\$ -	\$ 15,171	\$ -	\$ -	\$ -	\$ -	\$ -	33,425
Support expenses	\$ 11	\$ 792	\$ -	\$ 777	\$ -	\$ -	\$ -	\$ -	\$ -	1,580
Subtotal, with misc spt	\$ 66	\$ 4,433	\$ -	\$ 3,911	\$ -	\$ -	\$ -	\$ -	\$ -	8,410
Total, with var overhead	\$ 73	\$ 4,894	\$ -	\$ 4,318	\$ -	\$ -	\$ -	\$ -	\$ -	9,285
with carrier-to-carrier	\$ 73	\$ 4,901	\$ -	\$ 4,328	\$ -	\$ -	\$ -	\$ -	\$ -	9,303
Dedicated Transport										
Annual Capital Cost	\$ 176	\$ 3,397	\$ -	\$ 10,279	\$ -	\$ -	\$ -	\$ -	\$ -	13,852
Network Expenses	\$ 45	\$ 864	\$ -	\$ 2,615	\$ -	\$ -	\$ -	\$ -	\$ -	3,523
Direct expense	\$ 221	\$ 4,261	\$ -	\$ 12,894	\$ -	\$ -	\$ -	\$ -	\$ -	17,375
Investment	\$ 1,129	\$ 21,813	\$ -	\$ 65,979	\$ -	\$ -	\$ -	\$ -	\$ -	88,921
Support expenses	\$ 44	\$ 927	\$ -	\$ 3,195	\$ -	\$ -	\$ -	\$ -	\$ -	4,166
Subtotal, with misc spt	\$ 265	\$ 5,188	\$ -	\$ 16,088	\$ -	\$ -	\$ -	\$ -	\$ -	21,541
Total, with var overhead	\$ 293	\$ 5,728	\$ -	\$ 17,762	\$ -	\$ -	\$ -	\$ -	\$ -	23,782
with carrier-to-carrier	\$ 293	\$ 5,736	\$ -	\$ 17,804	\$ -	\$ -	\$ -	\$ -	\$ -	23,833
Dedicated Transport Transmission										
Annual Capital Cost	\$ 119	\$ 1,811	\$ -	\$ 6,976	\$ -	\$ -	\$ -	\$ -	\$ -	8,906
Network Expenses	\$ 9	\$ 142	\$ -	\$ 546	\$ -	\$ -	\$ -	\$ -	\$ -	698
Direct expense	\$ 129	\$ 1,952	\$ -	\$ 7,522	\$ -	\$ -	\$ -	\$ -	\$ -	9,603
Investment	\$ 611	\$ 9,269	\$ -	\$ 35,711	\$ -	\$ -	\$ -	\$ -	\$ -	45,591
Support expenses	\$ 26	\$ 425	\$ -	\$ 1,864	\$ -	\$ -	\$ -	\$ -	\$ -	2,314
Subtotal, with misc spt	\$ 155	\$ 2,377	\$ -	\$ 9,386	\$ -	\$ -	\$ -	\$ -	\$ -	11,918
Total, with var overhead	\$ 171	\$ 2,624	\$ -	\$ 10,362	\$ -	\$ -	\$ -	\$ -	\$ -	13,157
with carrier-to-carrier	\$ 171	\$ 2,628	\$ -	\$ 10,387	\$ -	\$ -	\$ -	\$ -	\$ -	13,186
Direct Transport										
Annual Capital Cost	\$ 149	\$ 11,182	\$ -	\$ 8,695	\$ -	\$ -	\$ -	\$ -	\$ -	20,026
Network Expenses	\$ 38	\$ 2,842	\$ -	\$ 2,212	\$ -	\$ -	\$ -	\$ -	\$ -	5,091
Direct expense	\$ 187	\$ 14,023	\$ -	\$ 10,907	\$ -	\$ -	\$ -	\$ -	\$ -	25,117
Investment	\$ 955	\$ 71,842	\$ -	\$ 55,813	\$ -	\$ -	\$ -	\$ -	\$ -	128,610
Support expenses	\$ 37	\$ 3,050	\$ -	\$ 2,702	\$ -	\$ -	\$ -	\$ -	\$ -	5,790
Subtotal, with misc spt	\$ 224	\$ 17,074	\$ -	\$ 13,610	\$ -	\$ -	\$ -	\$ -	\$ -	30,907
Total, with var overhead	\$ 247	\$ 18,849	\$ -	\$ 15,025	\$ -	\$ -	\$ -	\$ -	\$ -	34,122
with carrier-to-carrier	\$ 248	\$ 18,878	\$ -	\$ 15,061	\$ -	\$ -	\$ -	\$ -	\$ -	34,186
Direct Transport Transmission										
Annual Capital Cost	\$ 101	\$ 2,640	\$ -	\$ 5,901	\$ -	\$ -	\$ -	\$ -	\$ -	8,642
Network Expenses	\$ 8	\$ 207	\$ -	\$ 462	\$ -	\$ -	\$ -	\$ -	\$ -	677
Direct expense	\$ 109	\$ 2,847	\$ -	\$ 6,363	\$ -	\$ -	\$ -	\$ -	\$ -	9,319
Investment	\$ 517	\$ 13,514	\$ -	\$ 30,209	\$ -	\$ -	\$ -	\$ -	\$ -	44,239
Support expenses	\$ 22	\$ 619	\$ -	\$ 1,577	\$ -	\$ -	\$ -	\$ -	\$ -	2,218
Subtotal, with misc spt	\$ 131	\$ 3,466	\$ -	\$ 7,940	\$ -	\$ -	\$ -	\$ -	\$ -	11,536
Total, with var overhead	\$ 144	\$ 3,826	\$ -	\$ 8,766	\$ -	\$ -	\$ -	\$ -	\$ -	12,736
with carrier-to-carrier	\$ 144	\$ 3,832	\$ -	\$ 8,787	\$ -	\$ -	\$ -	\$ -	\$ -	12,763
Common Transport										
Annual Capital Cost	\$ 492	\$ 27,833	\$ -	\$ 28,732	\$ -	\$ -	\$ -	\$ -	\$ -	57,057
Network Expenses	\$ 125	\$ 7,074	\$ -	\$ 7,308	\$ -	\$ -	\$ -	\$ -	\$ -	14,507
Direct expense	\$ 617	\$ 34,906	\$ -	\$ 36,041	\$ -	\$ -	\$ -	\$ -	\$ -	71,564
Investment	\$ 3,156	\$ 178,814	\$ -	\$ 184,425	\$ -	\$ -	\$ -	\$ -	\$ -	366,395
Support expenses	\$ 124	\$ 7,593	\$ -	\$ 8,930	\$ -	\$ -	\$ -	\$ -	\$ -	16,647
Subtotal, with misc spt	\$ 741	\$ 42,500	\$ -	\$ 44,971	\$ -	\$ -	\$ -	\$ -	\$ -	88,211
Total, with var overhead	\$ 818	\$ 46,920	\$ -	\$ 49,648	\$ -	\$ -	\$ -	\$ -	\$ -	97,385
with carrier-to-carrier	\$ 818	\$ 46,990	\$ -	\$ 49,767	\$ -	\$ -	\$ -	\$ -	\$ -	97,575

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	\$ 334	\$ 7,507	\$ -	\$ 19,499	\$ -	\$ -	\$ -	\$ -	\$ -	27,339
Network Expenses	\$ 26	\$ 588	\$ -	\$ 1,527	\$ -	\$ -	\$ -	\$ -	\$ -	2,141
Direct expense	\$ 360	\$ 8,095	\$ -	\$ 21,026	\$ -	\$ -	\$ -	\$ -	\$ -	29,481
Investment	\$ 1,708	\$ 38,430	\$ -	\$ 99,819	\$ -	\$ -	\$ -	\$ -	\$ -	139,958
Support expenses	\$ 72	\$ 1,761	\$ -	\$ 5,210	\$ -	\$ -	\$ -	\$ -	\$ -	7,043
Subtotal, with misc spt	\$ 432	\$ 9,856	\$ -	\$ 26,236	\$ -	\$ -	\$ -	\$ -	\$ -	36,524
Total, with var overhead	\$ 477	\$ 10,881	\$ -	\$ 28,964	\$ -	\$ -	\$ -	\$ -	\$ -	40,322
with carrier-to-carrier	\$ 477	\$ 10,897	\$ -	\$ 29,034	\$ -	\$ -	\$ -	\$ -	\$ -	40,408
Tandem Switching										
Annual Capital Cost	\$ 13	\$ 410	\$ -	\$ 746	\$ -	\$ -	\$ -	\$ -	\$ -	1,169
Network Expenses	\$ 7	\$ 219	\$ -	\$ 398	\$ -	\$ -	\$ -	\$ -	\$ -	624
Direct expense	\$ 20	\$ 629	\$ -	\$ 1,144	\$ -	\$ -	\$ -	\$ -	\$ -	1,793
Investment	\$ 84	\$ 2,634	\$ -	\$ 4,789	\$ -	\$ -	\$ -	\$ -	\$ -	7,506
Support expenses	\$ 4	\$ 137	\$ -	\$ 283	\$ -	\$ -	\$ -	\$ -	\$ -	424
Subtotal, with misc spt	\$ 24	\$ 766	\$ -	\$ 1,427	\$ -	\$ -	\$ -	\$ -	\$ -	2,217
Total, with var overhead	\$ 27	\$ 846	\$ -	\$ 1,576	\$ -	\$ -	\$ -	\$ -	\$ -	2,448
with carrier-to-carrier	\$ 27	\$ 847	\$ -	\$ 1,580	\$ -	\$ -	\$ -	\$ -	\$ -	2,453
Operator Systems										
Annual Capital Cost	\$ 82	\$ 4,882	\$ -	\$ 4,660	\$ -	\$ -	\$ -	\$ -	\$ -	9,623
Network Expenses	\$ 71	\$ 2,810	\$ -	\$ 4,053	\$ -	\$ -	\$ -	\$ -	\$ -	6,933
Direct expense	\$ 153	\$ 7,691	\$ -	\$ 8,713	\$ -	\$ -	\$ -	\$ -	\$ -	16,556
Investment	\$ 512	\$ 31,047	\$ -	\$ 29,205	\$ -	\$ -	\$ -	\$ -	\$ -	60,764
Support expenses	\$ 25	\$ 1,402	\$ -	\$ 1,802	\$ -	\$ -	\$ -	\$ -	\$ -	3,229
Subtotal, with misc spt	\$ 177	\$ 9,093	\$ -	\$ 10,515	\$ -	\$ -	\$ -	\$ -	\$ -	19,785
Total, with var overhead	\$ 196	\$ 10,039	\$ -	\$ 11,608	\$ -	\$ -	\$ -	\$ -	\$ -	21,843
with carrier-to-carrier	\$ 196	\$ 10,055	\$ -	\$ 11,637	\$ -	\$ -	\$ -	\$ -	\$ -	21,887
Public Telephone										
Annual Capital Cost	\$ 9	\$ 125	\$ -	\$ 503	\$ -	\$ -	\$ -	\$ -	\$ -	637
Network Expenses	\$ 8	\$ 115	\$ -	\$ 463	\$ -	\$ -	\$ -	\$ -	\$ -	586
Direct expense	\$ 17	\$ 240	\$ -	\$ 966	\$ -	\$ -	\$ -	\$ -	\$ -	1,222
Investment	\$ 43	\$ 610	\$ -	\$ 2,460	\$ -	\$ -	\$ -	\$ -	\$ -	3,113
Support expenses	\$ 3	\$ 44	\$ -	\$ 200	\$ -	\$ -	\$ -	\$ -	\$ -	246
Subtotal, with misc spt	\$ 20	\$ 283	\$ -	\$ 1,165	\$ -	\$ -	\$ -	\$ -	\$ -	1,468
Total, with var overhead	\$ 22	\$ 313	\$ -	\$ 1,287	\$ -	\$ -	\$ -	\$ -	\$ -	1,621
with carrier-to-carrier	\$ 22	\$ 313	\$ -	\$ 1,290	\$ -	\$ -	\$ -	\$ -	\$ -	1,625
Totals										
Annual Capital Cost	\$ 30,279	\$ 402,355	\$ -	\$ 456,015	\$ -	\$ -	\$ -	\$ -	\$ -	888,649
Network Expenses	\$ 7,042	\$ 98,093	\$ -	\$ 113,619	\$ -	\$ -	\$ -	\$ -	\$ -	218,753
Total	\$ 37,321	\$ 500,447	\$ -	\$ 569,634	\$ -	\$ -	\$ -	\$ -	\$ -	1,107,402
Investment	\$ 186,557	\$ 2,467,826	\$ -	\$ 2,785,604	\$ -	\$ -	\$ -	\$ -	\$ -	5,439,986
Supporting Network Expenses										
Capital Cost - Gent Support	\$ 1,571	\$ 20,778	\$ -	\$ 23,453	\$ -	\$ -	\$ -	\$ -	\$ -	45,802
Network Operations	\$ 593	\$ 18,618	\$ -	\$ 34,671	\$ -	\$ -	\$ -	\$ -	\$ -	53,882
Network Support	\$ 107	\$ 1,437	\$ -	\$ 1,636	\$ -	\$ -	\$ -	\$ -	\$ -	3,180
Other Taxes	\$ 2,165	\$ 29,584	\$ -	\$ 34,373	\$ -	\$ -	\$ -	\$ -	\$ -	66,123
Misc Expenses	\$ 1,553	\$ 20,818	\$ -	\$ 23,697	\$ -	\$ -	\$ -	\$ -	\$ -	46,068
Subtotal	\$ 5,989	\$ 91,236	\$ -	\$ 117,830	\$ -	\$ -	\$ -	\$ -	\$ -	215,055
Carrier-carrier customer svc	\$ 32	\$ 1,012	\$ -	\$ 1,884	\$ -	\$ -	\$ -	\$ -	\$ -	2,927
Interoffice/Switching Net Ops	\$ 153	\$ 4,792	\$ -	\$ 8,924	\$ -	\$ -	\$ -	\$ -	\$ -	13,868
Interoffice/Sw Exp	\$ 3,782	\$ 136,046	\$ -	\$ 218,051	\$ -	\$ -	\$ -	\$ -	\$ -	357,879
Total Network Costs										
	\$ 43,463	\$ 596,475	\$ -	\$ 696,387	\$ -	\$ -	\$ -	\$ -	\$ -	1,336,325
Other costs										
Other Taxes	\$ 2,165	\$ 29,584	\$ -	\$ 34,373	\$ -	\$ -	\$ -	\$ -	\$ -	66,123
Monthly Cost Factors										
Loop	0.02231	0.02254	-	0.02249	-	-	-	-	-	0.02260
Port	0.00755	0.00751	-	0.00755	-	-	-	-	-	0.00754
Switching	0.01002	0.00997	-	0.01002	-	-	-	-	-	0.01000
Signaling	0.00759	0.00352	-	0.00759	-	-	-	-	-	0.00540
Transport	0.00555	0.00422	-	0.00542	-	-	-	-	-	0.00493
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										
	99.9349%	99.8499%	0.0000%	99.7605%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	99.8111%

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	\$ 1,302	0%	100%	\$ -	\$ 1,302
Furniture - Expenses	\$ 1,000	0%	100%	\$ -	\$ 1,000
Office Equipment - Capital Costs	\$ 3,718	0%	100%	\$ -	\$ 3,718
Office Equipment - Expenses	\$ 2,119	0%	100%	\$ -	\$ 2,119
General Purpose Computer - Capital Costs	\$ 7,769	0%	100%	\$ -	\$ 7,769
General Purpose Computer - Expenses	\$ 20,481	0%	100%	\$ -	\$ 20,481
Motor Vehicles - Capital Costs	\$ 4,688	0%	100%	\$ -	\$ 4,688
Motor Vehicles - Expenses	\$ 1,638	0%	100%	\$ -	\$ 1,638
Buildings - Capital Costs	\$ 9,370	0%	100%	\$ -	\$ 9,370
Buildings - Expenses	\$ 6,841	0%	100%	\$ -	\$ 6,841
Garage Work Eqpt. - Capital Costs	\$ 137	0%	100%	\$ -	\$ 137
Garage Work Eqpt. - Expenses	\$ 48	0%	100%	\$ -	\$ 48
Other Work Eqpt. - Capital Costs	\$ 3,280	0%	100%	\$ -	\$ 3,280
Other Work Eqpt. - Expenses	\$ 415	0%	100%	\$ -	\$ 415
Total General Support	\$ 62,806			\$ -	\$ 62,806
Network Operations	\$ 35,604	0%	100%	\$ -	\$ 35,604
Other Taxes	\$ 43,692	0%	100%	\$ -	\$ 43,692
Variable Overhead	\$ 90,880	0%	100%	\$ -	\$ 90,880
Totals	\$ 142,103			\$ -	\$ 232,983

	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	\$ 33,369	\$ 356,471	\$ -	\$ 341,904	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 731,744
Non-Loop-related direct costs	\$ 3,952	\$ 143,977	\$ -	\$ 227,729	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 375,658
Total	\$ 37,321	\$ 500,447	\$ -	\$ 569,634	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,107,402
Loop Fraction	89.41%	71.23%	0.00%	60.02%	0.00%	0.00%	0.00%	0.00%	0.00%	66.08%
Network Operations	\$ 593	\$ 18,618	\$ -	\$ 34,671	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 53,882

	Total Annual Amount	Amount Assigned to Loops	Amount Assigned to Other UNEs
General Support - Totals			
Furniture - Capital Costs	\$ 1,971	\$ 1,302	\$ 669
Furniture - Expenses	\$ 1,513	\$ 1,000	\$ 513
Office Equipment - Capital Costs	\$ 5,626	\$ 3,718	\$ 1,909
Office Equipment - Expenses	\$ 3,206	\$ 2,119	\$ 1,088
General Purpose Computer - Capital Costs	\$ 11,757	\$ 7,769	\$ 3,988
General Purpose Computer - Expenses	\$ 30,996	\$ 20,481	\$ 10,515
Motor Vehicles - Capital Costs	\$ 7,095	\$ 4,688	\$ 2,407

Exp Assignment

Motor Vehicles - Expenses	\$ 2,479	\$ 1,638	\$ 841	
Buildings - Capital Costs	\$ 14,181	\$ 9,370	\$ 4,810	
Buildings - Expenses	\$ 10,352	\$ 6,841	\$ 3,512	
Garage Work Eqpt. - Capital Costs	\$ 208	\$ 137	\$ 70	
Garage Work Eqpt. - Expenses	\$ 72	\$ 48	\$ 25	
Other Work Eqpt. - Capital Costs	\$ 4,964	\$ 3,280	\$ 1,684	
Other Work Eqpt. - Expenses	\$ 629	\$ 415	\$ 213	
Total General Support	\$ 95,049	\$ 62,806	\$ 32,243	
Network Operations	\$ 53,882	\$ 35,604	\$ 18,278	
Other Taxes Calculation				
Total Direct Costs	\$ 1,107,402	\$ 731,744	\$ 375,658	\$ 1,107,402
Total Network Operations	\$ 53,882	\$ 35,604	\$ 18,278	\$ 53,882
Total General Support	\$ 95,049	\$ 62,806	\$ 32,243	\$ 115,370
Total	\$ 1,256,334	\$ 830,154	\$ 426,179	
Other Taxes	\$ 66,123	\$ 43,692	\$ 22,430	\$ 181,493
Total Expenses and Other Taxes	\$ 1,322,456	\$ 873,847	\$ 448,610	
Variable Overhead Calculation				
Variable Overhead	\$ 137,535	\$ 90,880	\$ 46,655	
Total Cost with Variable Overhead	1,459,992	964,727	495,265	

UNE Expense Assignment

Totals

NID

per line cost \$ -
per direct cost \$ 2,850
total \$ 2,850

Distribution (DLC)

per line cost \$ -
per direct cost \$ 146,295
total \$ 146,295

Distribution (non-DLC)

per line cost \$ -
per direct cost \$ 9,718
total \$ 9,718

Concentrator (DLC)

per line cost \$ -
per direct cost \$ 26,184
total \$ 26,184

Concentrator (non-DLC)

per line cost \$ -
per direct cost \$ 57
total \$ 57

Feeder (DLC)

per line cost \$ -
per direct cost \$ 46,553
total \$ 46,553

Feeder (non-DLC)

Exp Assignment

<i>per line cost</i>	\$	-
<i>per direct cost</i>	\$	1,325
<i>total</i>	\$	1,325

End Office Switching	\$	246,272
Signaling	\$	9,005
Dedicated Transport	\$	22,908
Dedicated Transport Transmission	\$	12,661
Direct Transport	\$	33,114
Direct Transport Transmission	\$	12,286
Common Transport	\$	94,349
Common Transport Transmission	\$	38,867
Tandem Switching	\$	2,364
Operator Systems	\$	21,828
Public Telephone	\$	1,611

COST SUMMARY

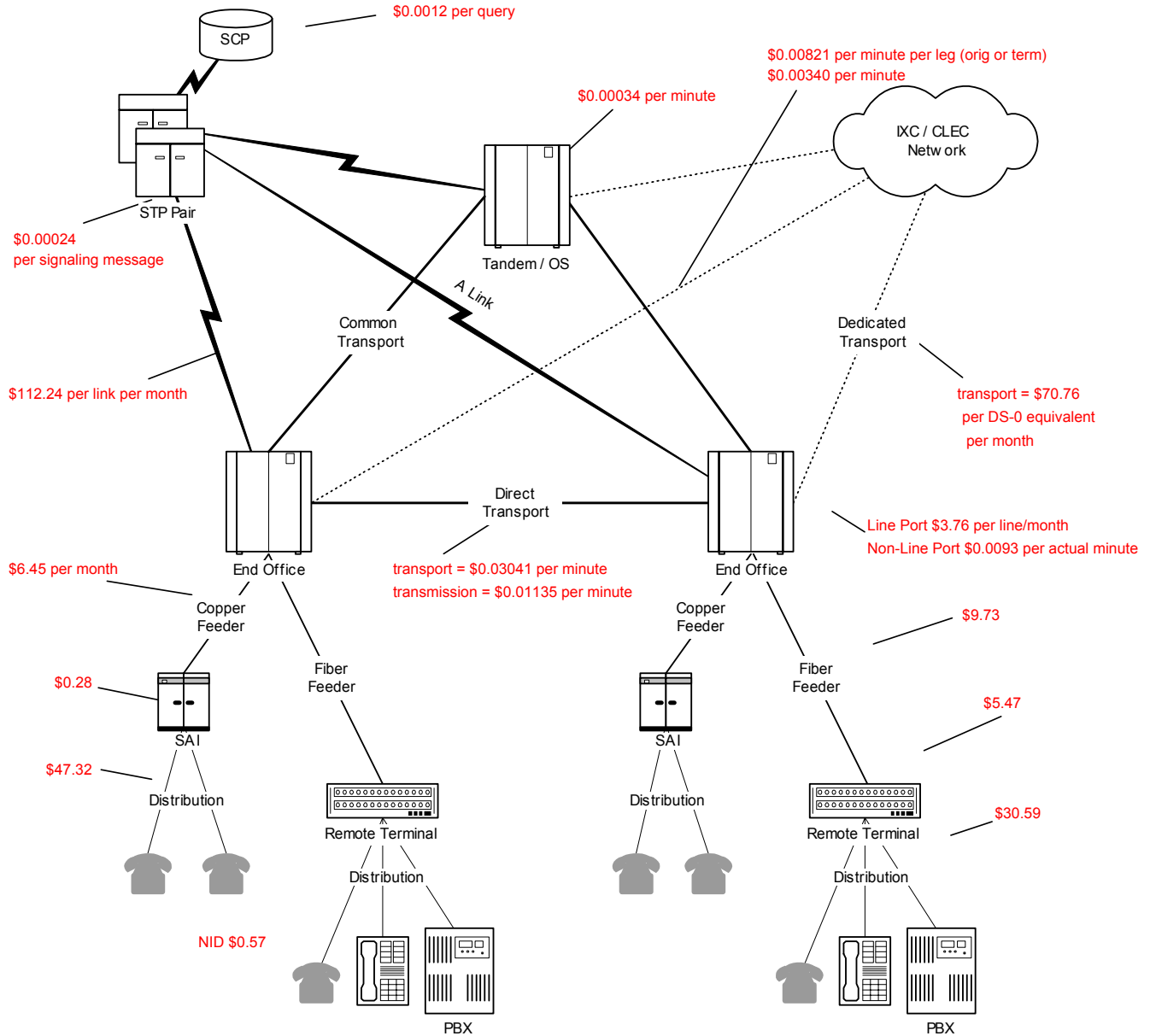
Missouri Goodman Tel Co

			1	2	1+2	3	1+2+3		
Network Element	Investment *	% of total investment	Annual Capital Cost	Network Expenses	Direct Expense	Support Expense	Subtotal (with misc support)	Total (with carrier-to-carrier)	
NID	\$ 46,353	0.9%	\$ 7,417	\$ 1,536	\$ 8,953	\$ 2,850	\$ 11,803	\$ 11,828	
Distribution (DLC)	2,294,906	42.2%	369,001	90,477	459,478	146,295	605,773	606,982	
Distribution (non-DLC)	152,110	2.8%	24,539	5,982	30,522	9,718	40,240	40,301	
Distribution (all)	2,447,016	45.0%	393,540	96,459	490,000	156,013	646,013	647,283	
Concentrator (DLC)	392,331	7.2%	76,181	6,058	82,239	26,184	108,424	108,635	
Concentrator (non-DLC)	1,000	0.0%	160	20	180	57	237	237	
Concentrator (all)	393,331	7.2%	76,341	6,078	82,419	26,242	108,660	108,872	
Feeder (DLC)	748,272	13.8%	116,465	29,747	146,212	46,553	192,765	193,129	
Feeder (non-DLC)	20,592	0.4%	3,342	819	4,161	1,325	5,486	5,494	
Feeder (all)	768,865	14.1%	119,806	30,566	150,373	47,878	198,251	198,623	
End Office Switching	865,899	15.9%	138,927	47,870	186,797	44,199	230,996	255,548	
Signaling	33,425	0.6%	5,367	1,464	6,830	1,580	8,410	9,303	
Dedicated Transport	88,921	1.6%	13,852	3,523	17,375	4,166	21,541	23,833	
Dedicated Transport Transmission	45,591	0.8%	8,906	698	9,603	2,314	11,918	13,186	
Direct Transport	128,610	2.4%	20,026	5,091	25,117	5,790	30,907	34,186	
Direct Transport Transmission	44,239	0.8%	8,642	677	9,319	2,218	11,536	12,763	
Common Transport	366,395	6.7%	57,057	14,507	71,564	16,647	88,211	97,575	
Common Transport Transmission	139,958	2.6%	27,339	2,141	29,481	7,043	36,524	40,408	
Tandem Switching	7,506	0.1%	1,169	624	1,793	424	2,217	2,453	
Operator Systems	60,764	1.1%	9,623	6,933	16,556	3,229	19,785	21,887	
Public Telephone	3,113	0.1%	637	586	1,222	246	1,468	1,625	
Total Network Cost									
Total	\$ 5,439,986	100%	\$ 888,649	\$ 218,753	\$ 1,107,402	\$ 320,840	\$ 1,428,242	\$ 1,479,374	

* Post sharing

Unbundled Network Elements

Missouri / Goodman Tel Co



USOA Detail Breakdown of HAI Model Costs

**Goodman Tel Co
Missouri**

USOA	INVESTMENT DESCRIPTION	Cost \$(000)
Telecommunications Plant in Service		
2111	LAND	20
2112	MOTOR VEHICLES	37
2113	AIRCRAFT	
2114	SPECIAL PURPOSE VEHICLES	
2115	GARAGE WORK EQUIPMENT	1
2116	OTHER WORK EQUIPMENT	29
2121	BUILDINGS	223
2122	FURNITURE	12
2123.1	OFFICE SUPPORT EQUIPMENT	32
2123.2	COMPANY COMMUNICATIONS EQUIPMENT	
2124	GENERAL PURPOSE COMPUTERS	49
2110	TOTAL LAND & SUPPORT ASSETS	403
2212	DIGITAL ELECTRONIC SWITCHING	740
2220	OPERATOR SYSTEMS	4
2232	CIRCUIT EQUIPMENT	622
2351	PUBLIC TEL TERMINAL EQUIPMENT	3
2411	POLES	71
2421.1	AERIAL CABLE - METALLIC	59
2421.2	AERIAL CABLE - NonMETALLIC	45
2422.1	UNDERGROUND CABLE - METALLIC	0
2422.2	UNDERGROUND CABLE - NonMETALLIC	0
2423.1	BURIED CABLE - METALLIC	2,407
2423.2	BURIED CABLE - NonMETALLIC	1,340
2426.1	INTRABUILDING NETWORK CABLE - MET.	
2426.2	INTRABUILDING NETWORK CABLE - NonMET.	
2441	CONDUIT SYSTEMS	0
2410	TOTAL CABLE & WIRE FACILITIES	3,922
	Total TPIS (before amortizable assets)*	5,694

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

USOA	EXPENSE DESCRIPTION	Cost \$(000)
Plant Specific Expenses		
6112	MOTOR VEHICLES	2
6113	AIRCRAFT	1
6114	SPECIAL PURPOSE VEHICLES	0
6115	GARAGE WORK EQUIPMENT	0
6116	OTHER WORK EQUIPMENT	1
6110	NETWORK SUPPORT	4
6121	LAND & BUILDINGS	27
6122	FURNITURE	2
6123	OFFICE EQUIPMENT	4
6124	GENERAL PURPOSE COMPUTERS	37
6120	LAND & SUPPORT ASSETS	69
6212	DIGITAL ELECTRONIC SWITCHING	35
6220	OPERATOR SYSTEMS	5
6232	CIRCUIT EQUIPMENT	10
6351	PUBLIC TEL TERMINAL EQUIPMENT	1
6411	POLES	3
6421	AERIAL CABLE	7
6422	UNDERGROUND CABLE	0
6423	BURIED CABLE	145
6426	INTRABUILDING NETWORK CABLE	
6441	CONDUIT SYSTEMS	0
6410	TOTAL CABLE & WIRE FACILITIES	154
	Total Plant Specific Expenses	278
Plant Nonspecific Operations		
	TOTAL NETWORK OPERATIONS SUPPORT	68
6561	DEPRECIATION TPIS	335
6623	CUSTOMER SERVICES	3
	Total Plant Nonspecific Operations	406
	TOTAL CORPORATE OPERATIONS	139
	TOTAL OPERATING EXPENSES	823
7240	OPERATING OTHER TAXES	66
	TOTAL EXPENSES & OPERATING TAXES	889

USOA Depreciation Calculations

	<u>Depl life</u>	<u>DepFact</u>	<u>Dep Exp</u>
2111			
2112	10.45	0.09589	4
2113			
2114			
2115	9.97	0.10031	0
2116	13.92	0.07189	2
2121	48.73	0.02052	5
2122	18.36	0.05449	1
2123.1	12.44	0.08052	3
2123.2	7.99	0.12517	-
2124	6.61	0.15223	7
2110			
2212	17.17	0.05827	43
2220	9.25	0.10829	0
2232	9.90	0.10108	63
2351	8.98	0.11145	0
2411	8.38	0.11972	9
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	131
2423.2	21.97	0.04551	61
2426.1	13.57	0.07377	-
2426.2	21.37	0.04681	-
2441	46.15	0.02167	-
<i>Total Depreciation</i>			335

Network Element Disaggregations

Investment Disaggregations:

<i>Terminal, Drop, and NID</i>	278,425
Aerial-m portion	6,618
Buried-m portion	271,807

<i>OS Trks + Signaling links</i>	74,301
Circuit Eqpt. portion	12,384
Pole portion	1,078
Aerial-nm portion	1,744
Underground-nm portion	-
Buried-nm portion	59,095
Conduit portion	-

<i>SAI</i>	13,950
Aerial-m portion	13
Aerial-nm portion	482
Underground-m portion	-
Underground-nm portion	-
Buried-m portion	350
Buried-nm portion	13,105

Expense Disaggregations:

<i>Terminal, Drop, and NID</i>	10,531
Aerial portion	507
Buried portion	10,024

<i>OS Trks + Signaling links</i>	2,880
Circuit Eqpt. portion	480
Pole portion	44
Aerial-nm portion	107
Underground-nm portion	-
Buried-nm portion	2,249
Conduit portion	-

<i>SAI</i>	273
Aerial portion	10
Underground portion	-
Buried portion	264

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	\$ 424	\$ 5,607	\$ -	\$ 6,329	\$ -	\$ -	\$ -	\$ -	\$ -	12,359
office equipment	1,083	14,330	-	16,175	-	-	-	-	-	31,588
general purpose computers	1,666	22,036	-	24,874	-	-	-	-	-	48,576
motor vehicles	1,275	16,861	-	19,032	-	-	-	-	-	37,168
buildings	3,219	42,588	-	48,072	-	-	-	-	-	93,879
garage work equipment	37	484	-	546	-	-	-	-	-	1,067
other work equipment	993	13,139	-	14,831	-	-	-	-	-	28,964
TOTAL	\$ 8,697	\$ 115,045	\$ -	\$ 129,859	\$ -	\$ -	\$ -	\$ -	\$ -	253,602
Levelized Cost of Capital										
furniture	\$ 68	\$ 894	\$ -	\$ 1,009	\$ -	\$ -	\$ -	\$ -	\$ -	1,971
office equipment	193	2,552	-	2,881	-	-	-	-	-	5,626
general purpose computers	403	5,334	-	6,020	-	-	-	-	-	11,757
motor vehicles	243	3,218	-	3,633	-	-	-	-	-	7,095
buildings	486	6,433	-	7,261	-	-	-	-	-	14,181
garage work equipment	7	94	-	106	-	-	-	-	-	208
other work equipment	170	2,252	-	2,542	-	-	-	-	-	4,964
TOTAL	\$ 1,571	\$ 20,778	\$ -	\$ 23,453	\$ -	\$ -	\$ -	\$ -	\$ -	45,802

Distribution

	0-5	5-100	100-200	200-650	650-850	850-2550	2550-6000	6000-10000	>10000	Totals
	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	
Fiber Feeder										
Distribution Investment										
buried cable	\$ 11,136	\$ 456,290	\$ -	\$ 501,772	\$ -	\$ -	\$ -	\$ -	\$ -	969,198
aerial cable	564	23,092	-	25,393	-	-	-	-	-	49,048
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	31,705	507,076	-	476,323	-	-	-	-	-	1,015,104
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	2,301	26,692	-	13,970	-	-	-	-	-	42,962
terminal	1,601	44,263	-	46,785	-	-	-	-	-	92,649
drop	2,019	54,723	-	69,201	-	-	-	-	-	125,944
TOTAL	\$ 49,327 2.15%	\$ 1,112,136 48.46%	\$ - 0.00%	\$ 1,133,444 49.39%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	2,294,906 100.00%
Levelized Cost of Capital										
buried cable	\$ 1,776	\$ 72,768	\$ -	\$ 80,021	\$ -	\$ -	\$ -	\$ -	\$ -	154,565
aerial cable	97	3,987	-	4,385	-	-	-	-	-	8,469
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	5,056	80,867	-	75,963	-	-	-	-	-	161,886
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	488	5,657	-	2,961	-	-	-	-	-	9,105
terminal	256	7,082	-	7,486	-	-	-	-	-	14,824
drop	323	8,756	-	11,073	-	-	-	-	-	20,152
TOTAL	\$ 7,997	\$ 179,117	\$ -	\$ 181,887	\$ -	\$ -	\$ -	\$ -	\$ -	369,001
Network Expenses										
buried cable	433	17,740	-	19,508	-	-	-	-	-	37,681
aerial cable	35	1,452	-	1,597	-	-	-	-	-	3,085
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	1,233	19,714	-	18,519	-	-	-	-	-	39,466
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	95	1,102	-	577	-	-	-	-	-	1,773
terminal	62	1,716	-	1,813	-	-	-	-	-	3,591
drop	78	2,121	-	2,682	-	-	-	-	-	4,882
TOTAL	\$ 1,936	\$ 43,845	\$ -	\$ 44,696	\$ -	\$ -	\$ -	\$ -	\$ -	90,477
Summary										
Cost of Capital	\$ 7,997	\$ 179,117	\$ -	\$ 181,887	\$ -	\$ -	\$ -	\$ -	\$ -	369,001
Network Expense	1,936	43,845	-	44,696	-	-	-	-	-	90,477
TOTAL	\$ 9,933	\$ 222,962	\$ -	\$ 226,583	\$ -	\$ -	\$ -	\$ -	\$ -	459,478
Copper Feeder										
Distribution Investment										
buried cable	\$ -	\$ 48,756	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	48,756
aerial cable	-	2,467	-	-	-	-	-	-	-	2,467
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	-	82,806	-	-	-	-	-	-	-	82,806
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	-	4,602	-	-	-	-	-	-	-	4,602
terminal	-	5,984	-	-	-	-	-	-	-	5,984
drop	-	7,495	-	-	-	-	-	-	-	7,495
TOTAL	\$ - 0.00%	\$ 152,110 100.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	152,110 100.00%
Levelized Cost of Capital										
buried cable	\$ -	\$ 7,776	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7,776
aerial cable	-	426	-	-	-	-	-	-	-	426
underground cable	-	-	-	-	-	-	-	-	-	-
buried trenching	-	13,206	-	-	-	-	-	-	-	13,206
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	-	975	-	-	-	-	-	-	-	975
terminal	-	957	-	-	-	-	-	-	-	957
drop	-	1,199	-	-	-	-	-	-	-	1,199
TOTAL	\$ -	\$ 24,539	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	24,539
Network Expenses										
buried cable	\$ -	\$ 1,896	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,896
aerial cable	-	155	-	-	-	-	-	-	-	155

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	\$ -	\$ 3,219	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,219
conduit	-	-	-	-	-	-	-	-	-	-
underground trenching	-	-	-	-	-	-	-	-	-	-
poles	-	190	-	-	-	-	-	-	-	190
terminal	-	232	-	-	-	-	-	-	-	232
drop	-	291	-	-	-	-	-	-	-	291
TOTAL	\$ -	\$ 5,982	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,982
Summary										
Cost of Capital	\$ -	\$ 24,539	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	24,539
Network Expense	-	5,982	-	-	-	-	-	-	-	5,982
TOTAL	\$ -	\$ 30,522	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	30,522

	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	\$ 11,136	\$ 505,046	\$ -	\$ 501,772	\$ -	\$ -	\$ -	\$ -	\$ -	1,017,955
aerial cable	\$ 564	\$ 25,559	\$ -	\$ 25,393	\$ -	\$ -	\$ -	\$ -	\$ -	51,516
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried trenching	\$ 31,705	\$ 589,882	\$ -	\$ 476,323	\$ -	\$ -	\$ -	\$ -	\$ -	1,097,910
conduit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
underground trenching	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
poles	\$ 2,301	\$ 31,294	\$ -	\$ 13,970	\$ -	\$ -	\$ -	\$ -	\$ -	47,564
terminal	\$ 1,601	\$ 50,247	\$ -	\$ 46,785	\$ -	\$ -	\$ -	\$ -	\$ -	98,633
drop	\$ 2,019	\$ 62,218	\$ -	\$ 69,201	\$ -	\$ -	\$ -	\$ -	\$ -	133,439
TOTAL	\$ 49,327	\$ 1,264,246	\$ -	\$ 1,133,444	\$ -	\$ -	\$ -	\$ -	\$ -	2,447,016
	2.02%	51.66%	0.00%	46.32%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
buried cable	\$ 1,776	\$ 80,543	\$ -	\$ 80,021	\$ -	\$ -	\$ -	\$ -	\$ -	162,341
aerial cable	\$ 97	\$ 4,413	\$ -	\$ 4,385	\$ -	\$ -	\$ -	\$ -	\$ -	8,885
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried trenching	\$ 5,056	\$ 94,073	\$ -	\$ 75,963	\$ -	\$ -	\$ -	\$ -	\$ -	175,092
conduit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
underground trenching	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
poles	\$ 488	\$ 6,632	\$ -	\$ 2,961	\$ -	\$ -	\$ -	\$ -	\$ -	10,081
terminal	\$ 256	\$ 8,040	\$ -	\$ 7,486	\$ -	\$ -	\$ -	\$ -	\$ -	15,782
drop	\$ 323	\$ 9,955	\$ -	\$ 11,073	\$ -	\$ -	\$ -	\$ -	\$ -	21,351
TOTAL	\$ 7,997	\$ 203,656	\$ -	\$ 181,887	\$ -	\$ -	\$ -	\$ -	\$ -	393,540
Network Expenses										
buried cable	\$ 433	\$ 19,635	\$ -	\$ 19,508	\$ -	\$ -	\$ -	\$ -	\$ -	39,576
aerial cable	\$ 35	\$ 1,607	\$ -	\$ 1,597	\$ -	\$ -	\$ -	\$ -	\$ -	3,240
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried trenching	\$ 1,233	\$ 22,934	\$ -	\$ 18,519	\$ -	\$ -	\$ -	\$ -	\$ -	42,685
conduit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
underground trenching	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
poles	\$ 95	\$ 1,292	\$ -	\$ 577	\$ -	\$ -	\$ -	\$ -	\$ -	1,963
terminal	\$ 62	\$ 1,948	\$ -	\$ 1,813	\$ -	\$ -	\$ -	\$ -	\$ -	3,823
drop	\$ 78	\$ 2,412	\$ -	\$ 2,682	\$ -	\$ -	\$ -	\$ -	\$ -	5,172
TOTAL	\$ 1,936	\$ 49,827	\$ -	\$ 44,696	\$ -	\$ -	\$ -	\$ -	\$ -	96,459
Summary										
Cost of Capital	\$ 7,997	\$ 203,656	\$ -	\$ 181,887	\$ -	\$ -	\$ -	\$ -	\$ -	393,540
Network Expense	\$ 1,936	\$ 49,827	\$ -	\$ 44,696	\$ -	\$ -	\$ -	\$ -	\$ -	96,459
TOTAL	\$ 9,933	\$ 253,484	\$ -	\$ 226,583	\$ -	\$ -	\$ -	\$ -	\$ -	490,000
NID Cost										
NID Investment	\$ 547	\$ 16,980	\$ -	\$ 28,827	\$ -	\$ -	\$ -	\$ -	\$ -	46,353
Levelized Cost of Capital	\$ 87	\$ 2,717	\$ -	\$ 4,612	\$ -	\$ -	\$ -	\$ -	\$ -	7,417
Network Expenses	\$ 19	\$ 583	\$ -	\$ 934	\$ -	\$ -	\$ -	\$ -	\$ -	1,536
TOTAL	\$ 106	\$ 3,300	\$ -	\$ 5,546	\$ -	\$ -	\$ -	\$ -	\$ -	8,953

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	\$ 20,700	\$ 178,381	\$ -	\$ 180,300	\$ -	\$ -	\$ -	\$ -	\$ -	379,381
SAI Investment	350	5,000	-	7,600	-	-	-	-	-	12,950
										\$ -
TOTAL	\$ 21,050 5.37%	\$ 183,381 46.74%	\$ - 0.00%	\$ 187,900 47.89%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	392,331 100.00%
Levelized Cost of Capital										
DLC	\$ 4,044	\$ 34,845	\$ -	\$ 35,220	\$ -	\$ -	\$ -	\$ -	\$ -	74,109
SAI	56	800	-	1,216	-	-	-	-	-	2,072
TOTAL	\$ 4,100	\$ 35,645	\$ -	\$ 36,436	\$ -	\$ -	\$ -	\$ -	\$ -	76,181
Network Expenses										
DLC	\$ 317	\$ 2,729	\$ -	\$ 2,759	\$ -	\$ -	\$ -	\$ -	\$ -	5,805
SAI	7	98	-	149	-	-	-	-	-	254
TOTAL	\$ 324	\$ 2,827	\$ -	\$ 2,908	\$ -	\$ -	\$ -	\$ -	\$ -	6,058
Summary										
Cost of Capital	\$ 4,100	\$ 35,645	\$ -	\$ 36,436	\$ -	\$ -	\$ -	\$ -	\$ -	76,181
Network Expense	324	2,827	-	2,908	-	-	-	-	-	6,058
TOTAL	\$ 4,423	\$ 38,472	\$ -	\$ 39,344	\$ -	\$ -	\$ -	\$ -	\$ -	82,239

	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	-	1,000	-	-	-	-	-	-	-	1,000
TOTAL	\$ - 0.00%	\$ 1,000 100.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	1,000 100.00%
Levelized Cost of Capital										
DLC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
SAI	-	160	-	-	-	-	-	-	-	160
TOTAL	\$ -	\$ 160	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	160
Network Expenses										
DLC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
SAI	-	20	-	-	-	-	-	-	-	20
TOTAL	\$ -	\$ 20	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	20
Summary										
Cost of Capital	\$ -	\$ 160	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	160
Network Expense	-	20	-	-	-	-	-	-	-	20
TOTAL	\$ -	\$ 180	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	180

	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	\$ 20,700	\$ 178,381	\$ -	\$ 180,300	\$ -	\$ -	\$ -	\$ -	\$ -	379,381
SAI Investment	350	6,000	-	7,600	-	-	-	-	-	13,950
TOTAL	\$ 21,050 5.35%	\$ 184,381 46.88%	\$ - 0.00%	\$ 187,900 47.77%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	393,331 100.00%

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	\$	4,044	\$	34,845	\$	-	\$	35,220	\$	-	\$	-	\$	-	\$	-	\$	-	\$	74,109
SAI		56		960		-		1,216		-		-		-		-		-		2,232
TOTAL																				
	\$	4,100	\$	35,805	\$	-	\$	36,436	\$	-	\$	-	\$	-	\$	-	\$	-	\$	76,341
Network Expenses																				
DLC	\$	317	\$	2,729	\$	-	\$	2,759	\$	-	\$	-	\$	-	\$	-	\$	-	\$	5,805
SAI		7		118		-		149		-		-		-		-		-		273
TOTAL																				
	\$	324	\$	2,847	\$	-	\$	2,908	\$	-	\$	-	\$	-	\$	-	\$	-	\$	6,078
Summary																				
Cost of Capital	\$	4,100	\$	35,805	\$	-	\$	36,436	\$	-	\$	-	\$	-	\$	-	\$	-	\$	76,341
Network Expense		324		2,847		-		2,908		-		-		-		-		-		6,078
TOTAL																				
	\$	4,423	\$	38,652	\$	-	\$	39,344	\$	-	\$	-	\$	-	\$	-	\$	-	\$	82,419

Feeder

	0-5	5-100	100-200	200-650	650-850	850-2550	2550-5000	5000-10000	>10000	Totals
	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	
Fiber Feeder										
Feeder Investment										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	89,750	240,574	-	195,815	-	-	-	-	-	526,139
fiber aerial cable	4,466	11,856	-	9,818	-	-	-	-	-	26,141
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	2,523	34,430	-	147,458	-	-	-	-	-	184,412
poles	248	4,089	-	7,244	-	-	-	-	-	11,580
TOTAL	\$ 96,988	\$ 290,949	\$ -	\$ 360,336	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 748,272
	12.96%	38.88%	0.00%	48.16%	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	13,877	37,198	-	30,277	-	-	-	-	-	81,353
fiber aerial cable	708	1,879	-	1,556	-	-	-	-	-	4,143
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	390	5,324	-	22,800	-	-	-	-	-	28,514
poles	53	867	-	1,535	-	-	-	-	-	2,454
TOTAL	\$ 15,028	\$ 45,268	\$ -	\$ 56,169	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 116,465
Network Expenses										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	-	-	-	-	-	-	-	-	-	-
copper aerial cable	-	-	-	-	-	-	-	-	-	-
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	3,489	9,353	-	7,613	-	-	-	-	-	20,455
fiber aerial cable	281	746	-	617	-	-	-	-	-	1,644
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	98	1,339	-	5,733	-	-	-	-	-	7,170
poles	10	169	-	299	-	-	-	-	-	478
TOTAL	\$ 3,879	\$ 11,606	\$ -	\$ 14,262	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 29,747
Summary										
Cost of Capital	\$ 15,028	\$ 45,268	\$ -	\$ 56,169	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 116,465
Network Expense	3,879	11,606	-	14,262	-	-	-	-	-	29,747
TOTAL	\$ 18,907	\$ 56,874	\$ -	\$ 70,432	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 146,212

	0-5	5-100	100-200	200-650	650-850	850-2550	2550-5000	5000-10000	>10000	Totals
	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	lines/sq mi	
Copper Feeder										
Feeder Investment										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	-	13,682	-	-	-	-	-	-	-	13,682
copper aerial cable	-	692	-	-	-	-	-	-	-	692
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	-	-	-	-	-	-	-	-	-	-
fiber aerial cable	-	-	-	-	-	-	-	-	-	-
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	5,291	-	-	-	-	-	-	-	5,291
fiber buried placement	-	-	-	-	-	-	-	-	-	-
poles	-	926	-	-	-	-	-	-	-	926
TOTAL	\$ -	\$ 20,592	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,592
	0.00%	100.00%	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	-	2,182	-	-	-	-	-	-	-	2,182
copper aerial cable	-	120	-	-	-	-	-	-	-	120
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	-	-	-	-	-	-	-	-	-	-
fiber aerial cable	-	-	-	-	-	-	-	-	-	-
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	844	-	-	-	-	-	-	-	844

Feeder

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
fiber buried placement	-	-	-	-	-	-	-	-	-	-
poles	-	196	-	-	-	-	-	-	-	196
TOTAL	\$ -	\$ 3,342	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,342
Network Expenses										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	-	532	-	-	-	-	-	-	-	532
copper aerial cable	-	44	-	-	-	-	-	-	-	44
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	-	-	-	-	-	-	-	-	-	-
fiber aerial cable	-	-	-	-	-	-	-	-	-	-
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	206	-	-	-	-	-	-	-	206
fiber buried placement	-	-	-	-	-	-	-	-	-	-
poles	-	38	-	-	-	-	-	-	-	38
TOTAL	\$ -	\$ 819	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	819
Summary										
Cost of Capital	\$ -	\$ 3,342	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,342
Network Expense	-	819	-	-	-	-	-	-	-	819
TOTAL	\$ -	\$ 4,161	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,161
	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	-	13,682	-	-	-	-	-	-	-	13,682
copper aerial cable	-	692	-	-	-	-	-	-	-	692
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	89,750	240,574	-	195,815	-	-	-	-	-	526,139
fiber aerial cable	4,466	11,856	-	9,818	-	-	-	-	-	26,141
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	5,291	-	-	-	-	-	-	-	5,291
fiber buried placement	2,523	34,430	-	147,458	-	-	-	-	-	184,412
poles	248	5,015	-	7,244	-	-	-	-	-	12,507
TOTAL	\$ 96,988 12.61%	\$ 311,542 40.52%	\$ - 0.00%	\$ 360,336 46.87%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	768,865 100.00%
Levelized Cost of Capital										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	-	2,182	-	-	-	-	-	-	-	2,182
copper aerial cable	-	120	-	-	-	-	-	-	-	120
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	13,877	37,198	-	30,277	-	-	-	-	-	81,353
fiber aerial cable	708	1,879	-	1,556	-	-	-	-	-	4,143
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	844	-	-	-	-	-	-	-	844
fiber buried placement	390	5,324	-	22,800	-	-	-	-	-	28,514
poles	53	1,063	-	1,535	-	-	-	-	-	2,651
TOTAL	\$ 15,028	\$ 48,609	\$ -	\$ 56,169	\$ -	\$ -	\$ -	\$ -	\$ -	119,806
Network Expenses										
copper u/g cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
copper buried cable	-	532	-	-	-	-	-	-	-	532
copper aerial cable	-	44	-	-	-	-	-	-	-	44
fiber u/g cable	-	-	-	-	-	-	-	-	-	-
fiber buried cable	3,489	9,353	-	7,613	-	-	-	-	-	20,455
fiber aerial cable	281	746	-	617	-	-	-	-	-	1,644
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	206	-	-	-	-	-	-	-	206
fiber buried placement	98	1,339	-	5,733	-	-	-	-	-	7,170
poles	10	207	-	299	-	-	-	-	-	516
TOTAL	\$ 3,879	\$ 12,426	\$ -	\$ 14,262	\$ -	\$ -	\$ -	\$ -	\$ -	30,566
Summary										
Cost of Capital	\$ 15,028	\$ 48,609	\$ -	\$ 56,169	\$ -	\$ -	\$ -	\$ -	\$ -	119,806
Network Expense	3,879	12,426	-	14,262	-	-	-	-	-	30,566
TOTAL	\$ 18,907	\$ 61,035	\$ -	\$ 70,432	\$ -	\$ -	\$ -	\$ -	\$ -	150,373

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	\$ 8,088	\$ 253,798	\$ -	\$ 461,513	\$ -	\$ -	\$ -	\$ -	\$ -	723,399
MDF/protector	-	-	-	-	-	-	-	-	-	-
wire center	1,370	42,978	-	78,152	-	-	-	-	-	122,500
land	208	7,940	-	11,852	-	-	-	-	-	20,000
TOTAL	\$ 9,665 1.12%	\$ 304,716 35.19%	\$ - 0.00%	\$ 551,518 63.69%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	\$ - 0.00%	865,899 100.00%
Levelized Cost of Capital										
end office switching	\$ 1,309	\$ 41,069	\$ -	\$ 74,681	\$ -	\$ -	\$ -	\$ -	\$ -	117,058
MDF/protector	-	-	-	-	-	-	-	-	-	-
wire center	207	6,492	-	11,805	-	-	-	-	-	18,504
land	35	1,336	-	1,994	-	-	-	-	-	3,365
TOTAL	\$ 1,551	\$ 48,897	\$ -	\$ 88,480	\$ -	\$ -	\$ -	\$ -	\$ -	138,927
Network Expenses										
end office switching	\$ 384	\$ 12,055	\$ -	\$ 21,922	\$ -	\$ -	\$ -	\$ -	\$ -	34,361
MDF/protector	-	-	-	-	-	-	-	-	-	-
wire center	151	4,739	-	8,618	-	-	-	-	-	13,508
land	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 535	\$ 16,795	\$ -	\$ 30,540	\$ -	\$ -	\$ -	\$ -	\$ -	47,870
Summary										
Cost of Capital	\$ 1,551	\$ 48,897	\$ -	\$ 88,480	\$ -	\$ -	\$ -	\$ -	\$ -	138,927
Network Expense	535	16,795	-	30,540	-	-	-	-	-	47,870
TOTAL	\$ 2,086	\$ 65,691	\$ -	\$ 119,020	\$ -	\$ -	\$ -	\$ -	\$ -	186,797

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	\$ 48	\$ 1,496	\$ -	\$ 2,721	\$ -	\$ -	\$ -	\$ -	\$ -	4,265
SCP wire center	8	239	-	435	-	-	-	-	-	682
STP	105	3,292	-	5,986	-	-	-	-	-	9,383
signaling links	106	12,960	-	6,029	-	-	-	-	-	19,095
TOTAL	\$ 266	\$ 17,988	\$ -	\$ 15,171	\$ -	\$ -	\$ -	\$ -	\$ -	33,425
	0.80%	53.82%	0.00%	45.39%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
SCP	\$ 8	\$ 242	\$ -	\$ 440	\$ -	\$ -	\$ -	\$ -	\$ -	690
SCP wire center	1	36	-	66	-	-	-	-	-	103
STP	17	533	-	969	-	-	-	-	-	1,518
signaling links	17	2,074	-	965	-	-	-	-	-	3,055
TOTAL	\$ 43	\$ 2,885	\$ -	\$ 2,439	\$ -	\$ -	\$ -	\$ -	\$ -	5,367
Network Expenses										
SCP	\$ 2	\$ 71	\$ -	\$ 129	\$ -	\$ -	\$ -	\$ -	\$ -	203
SCP wire center	1	26	-	48	-	-	-	-	-	75
STP	5	156	-	284	-	-	-	-	-	446
signaling links	4	502	-	234	-	-	-	-	-	740
TOTAL	\$ 12	\$ 756	\$ -	\$ 695	\$ -	\$ -	\$ -	\$ -	\$ -	1,464
Summary										
Cost of Capital	\$ 43	\$ 2,885	\$ -	\$ 2,439	\$ -	\$ -	\$ -	\$ -	\$ -	5,367
Network Expense	12	756	-	695	-	-	-	-	-	1,464
TOTAL	\$ 55	\$ 3,641	\$ -	\$ 3,135	\$ -	\$ -	\$ -	\$ -	\$ -	6,830

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	1,075	20,808	-	62,822	-	-	-	-	-	84,705
aerial cable	33	620	-	1,940	-	-	-	-	-	2,593
poles	21	385	-	1,217	-	-	-	-	-	1,622
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 1,129	\$ 21,813	\$ -	\$ 65,979	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 88,921
Levelized Cost of Capital										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
buried cable	166	3,217	-	9,714	-	-	-	-	-	13,097
aerial cable	5	98	-	307	-	-	-	-	-	411
poles	4	82	-	258	-	-	-	-	-	344
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 176	\$ 3,397	\$ -	\$ 10,279	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,852
Network Expenses										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
buried cable	42	809	-	2,442	-	-	-	-	-	3,293
aerial cable	2	39	-	122	-	-	-	-	-	163
poles	1	16	-	50	-	-	-	-	-	67
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 45	\$ 864	\$ -	\$ 2,615	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,523
Summary										
Cost of Capital	\$ 176	\$ 3,397	\$ -	\$ 10,279	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,852
Network Expense	45	864	-	2,615	-	-	-	-	-	3,523
TOTAL	\$ 221	\$ 4,261	\$ -	\$ 12,894	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 17,375
Transmission Terminal										
investment	\$ 611	\$ 9,269	\$ -	\$ 35,711	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 45,591
levelized cost of capital	119	1,811	-	6,976	-	-	-	-	-	8,906
network expenses	9	142	-	546	-	-	-	-	-	698
TOTAL	\$ 129	\$ 1,952	\$ -	\$ 7,522	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,603

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	909	68,793	-	53,143	-	-	-	-	-	122,845
aerial cable	28	1,901	-	1,641	-	-	-	-	-	3,570
poles	18	1,148	-	1,029	-	-	-	-	-	2,195
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 955	\$ 71,842	\$ -	\$ 55,813	\$ -	\$ -	\$ -	\$ -	\$ -	128,610
Levelized Cost of Capital										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	141	10,637	-	8,217	-	-	-	-	-	18,995
aerial cable	4	301	-	260	-	-	-	-	-	566
poles	4	243	-	218	-	-	-	-	-	465
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 149	\$ 11,182	\$ -	\$ 8,695	\$ -	\$ -	\$ -	\$ -	\$ -	20,026
Network Expenses										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
buried cable	35	2,675	-	2,066	-	-	-	-	-	4,776
aerial cable	2	120	-	103	-	-	-	-	-	225
poles	1	47	-	42	-	-	-	-	-	91
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 38	\$ 2,842	\$ -	\$ 2,212	\$ -	\$ -	\$ -	\$ -	\$ -	5,091
Summary										
Cost of Capital	\$ 149	\$ 11,182	\$ -	\$ 8,695	\$ -	\$ -	\$ -	\$ -	\$ -	20,026
Network Expense	38	2,842	-	2,212	-	-	-	-	-	5,091
TOTAL	\$ 187	\$ 14,023	\$ -	\$ 10,907	\$ -	\$ -	\$ -	\$ -	\$ -	25,117
Transmission Terminal										
investment	\$ 517	\$ 13,514	\$ -	\$ 30,209	\$ -	\$ -	\$ -	\$ -	\$ -	44,239
levelized cost of capital	101	2,640	-	5,901	-	-	-	-	-	8,642
network expenses	8	207	-	462	-	-	-	-	-	677
TOTAL	\$ 109	\$ 2,847	\$ -	\$ 6,363	\$ -	\$ -	\$ -	\$ -	\$ -	9,319

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	3,005	171,151	-	175,601	-	-	-	-	-	349,758
aerial cable	93	4,772	-	5,422	-	-	-	-	-	10,287
poles	58	2,891	-	3,401	-	-	-	-	-	6,350
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 3,156	\$ 178,814	\$ -	\$ 184,425	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 366,395
Levelized Cost of Capital										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
buried cable	465	26,464	-	27,152	-	-	-	-	-	54,080
aerial cable	15	756	-	859	-	-	-	-	-	1,631
poles	12	613	-	721	-	-	-	-	-	1,346
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 492	\$ 27,833	\$ -	\$ 28,732	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 57,057
Network Expenses										
underground cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
buried cable	117	6,654	-	6,827	-	-	-	-	-	13,598
aerial cable	6	300	-	341	-	-	-	-	-	647
poles	2	119	-	140	-	-	-	-	-	262
conduit	-	-	-	-	-	-	-	-	-	-
manholes	-	-	-	-	-	-	-	-	-	-
TOTAL	\$ 125	\$ 7,074	\$ -	\$ 7,308	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,507
Summary										
Cost of Capital	\$ 492	\$ 27,833	\$ -	\$ 28,732	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 57,057
Network Expense	125	7,074	-	7,308	-	-	-	-	-	14,507
TOTAL	\$ 617	\$ 34,906	\$ -	\$ 36,041	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 71,564
Transmission Terminal										
investment	\$ 1,708	\$ 38,430	\$ -	\$ 99,819	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 139,958
levelized cost of capital	334	7,507	-	19,499	-	-	-	-	-	27,339
network expenses	26	588	-	1,527	-	-	-	-	-	2,141
TOTAL	\$ 360	\$ 8,095	\$ -	\$ 21,026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 29,481

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	\$ 36	\$ 1,137	\$ -	\$ 2,068	\$ -	\$ -	\$ -	\$ -	\$ -	3,241
wire center	48	1,496	-	2,721	-	-	-	-	-	4,265
TOTAL	\$ 84	\$ 2,634	\$ -	\$ 4,789	\$ -	\$ -	\$ -	\$ -	\$ -	7,506
Levelized Cost of Capital										
tandem switching	\$ 6	\$ 184	\$ -	\$ 335	\$ -	\$ -	\$ -	\$ -	\$ -	525
wire center	7	226	-	411	-	-	-	-	-	644
TOTAL	\$ 13	\$ 410	\$ -	\$ 746	\$ -	\$ -	\$ -	\$ -	\$ -	1,169
Network Expenses										
tandem switching	\$ 2	\$ 54	\$ -	\$ 98	\$ -	\$ -	\$ -	\$ -	\$ -	154
wire center	5	165	-	300	-	-	-	-	-	470
TOTAL	\$ 7	\$ 219	\$ -	\$ 398	\$ -	\$ -	\$ -	\$ -	\$ -	624
Summary										
Cost of Capital	\$ 13	\$ 410	\$ -	\$ 746	\$ -	\$ -	\$ -	\$ -	\$ -	1,169
Network Expense	7	219	-	398	-	-	-	-	-	624
TOTAL	\$ 20	\$ 629	\$ -	\$ 1,144	\$ -	\$ -	\$ -	\$ -	\$ -	1,793

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	\$ 15	\$ 479	\$ -	\$ 871	\$ -	\$ -	\$ -	\$ -	\$ -	1,365
OS Tandem Wire Center	19	599	-	1,088	-	-	-	-	-	1,706
OS Trunks	450	29,097	-	25,660	-	-	-	-	-	55,207
OS Position	28	872	-	1,586	-	-	-	-	-	2,487
TOTAL	\$ 512	\$ 31,047	\$ -	\$ 29,205	\$ -	\$ -	\$ -	\$ -	\$ -	60,764
Levelized Cost of Capital										
OS Tandem Switching	\$ 2	\$ 77	\$ -	\$ 141	\$ -	\$ -	\$ -	\$ -	\$ -	221
OS Tandem Wire Center	3	90	-	164	-	-	-	-	-	258
OS Trunks	69.58374893	4502.588213	0	3970.67793	0	0	0	0	0	8,543
OS Position	7	211	-	384	-	-	-	-	-	602
TOTAL	\$ 82	\$ 4,882	\$ -	\$ 4,660	\$ -	\$ -	\$ -	\$ -	\$ -	9,623
Network Expenses										
OS Tandem Switching	\$ 1	\$ 23	\$ -	\$ 41	\$ -	\$ -	\$ -	\$ -	\$ -	65
OS Tandem Wire Center	2	66	-	120	-	-	-	-	-	188
OS Trunks	17	1,128	-	995	-	-	-	-	-	2,140
OS Position	2	59	-	107	-	-	-	-	-	168
Operator Wages	49	1,534	-	2,790	-	-	-	-	-	4,372
TOTAL	\$ 71	\$ 2,810	\$ -	\$ 4,053	\$ -	\$ -	\$ -	\$ -	\$ -	6,933
Summary										
Cost of Capital	\$ 82	\$ 4,882	\$ -	\$ 4,660	\$ -	\$ -	\$ -	\$ -	\$ -	9,623
Network Expense	71	2,810	-	4,053	-	-	-	-	-	6,933
TOTAL	\$ 153	\$ 7,691	\$ -	\$ 8,713	\$ -	\$ -	\$ -	\$ -	\$ -	16,556

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	\$ 43	\$ 610	\$ -	\$ 2,460	\$ -	\$ -	\$ -	\$ -	\$ -	3,113
	1.38%	19.60%	0.00%	79.02%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital	\$ 9	\$ 125	\$ -	\$ 503	\$ -	\$ -	\$ -	\$ -	\$ -	637
Network Expenses	\$ 8	\$ 115	\$ -	\$ 463	\$ -	\$ -	\$ -	\$ -	\$ -	586
Summary										
Cost of Capital	\$ 9	\$ 125	\$ -	\$ 503	\$ -	\$ -	\$ -	\$ -	\$ -	637
Network Expense	8	115	-	463	-	-	-	-	-	586
TOTAL	\$ 17	\$ 240	\$ -	\$ 966	\$ -	\$ -	\$ -	\$ -	\$ -	1,222

DeprecLife	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	
CCCFact	1.08310	0.58381	0.41833	0.33629	0.28763	0.25565	0.23320	0.21670	0.20416	0.19439	0.18663	0.18036	0.17525	0.17104	0.16754	0.16462	0.16217	0.16010	0.15836	0.15689	0.15565	0.15460	0.15371	0.15297	0.15234	0.15182	0.15139	0.15104	0.15076	0.15053	0.15036	0.15023	0.15013	
DeprecFact	1.00000	0.50000	0.33333	0.25000	0.20000	0.16667	0.14286	0.12500	0.11111	0.10000	0.90909	0.83333	0.76923	0.7143	0.66667	0.62500	0.58882	0.55556	0.52563	0.50000	0.47462	0.44945	0.42448	0.40167	0.38000	0.35946	0.33904	0.31971	0.30148	0.28433	0.26826	0.25325	0.23930	
RORFact	0.05841	0.05891	0.05974	0.06065	0.06160	0.06255	0.06350	0.06446	0.06540	0.06635	0.06728	0.06820	0.06912	0.07002	0.07090	0.07178	0.07264	0.07349	0.07432	0.07513	0.07593	0.07671	0.07748	0.07823	0.07896	0.07968	0.08038	0.08106	0.08173	0.08238	0.08301	0.08363	0.08423	
TaxGUFact	0.02469	0.02490	0.02525	0.02564	0.02604	0.02644	0.02684	0.02725	0.02765	0.02804	0.02844	0.02883	0.02922	0.02960	0.02997	0.03034	0.03070	0.03106	0.03141	0.03176	0.03210	0.03243	0.03275	0.03307	0.03338	0.03368	0.03398	0.03427	0.03455	0.03482	0.03509	0.03535	0.03560	
COE	13.19%																																	
COD	8.80%																																	
EquityF																																		
EquityP																																		
WACC																																		
GtUpROR																																		
Tax																																		
Disct																																		
NPV-EoP	0.97081	0.99366	1.01497	1.03485	1.05342	1.07077	1.08699	1.10217	1.11639	1.12971	1.14220	1.15392	1.16492	1.17526	1.18498	1.19413	1.20275	1.21087	1.21853	1.22576	1.23258	1.23904	1.24514	1.25092	1.25639	1.26158	1.26650	1.27117	1.27561	1.27982	1.28384	1.28766	1.29130	
NPV-BoP	1.08002	1.10544	1.12915	1.15127	1.17192	1.19123	1.20928	1.22616	1.24198	1.25680	1.27069	1.28373	1.29597	1.30747	1.31829	1.32847	1.33806	1.34709	1.35561	1.36365	1.37125	1.37842	1.38521	1.39164	1.39773	1.40350	1.40897	1.41417	1.41911	1.42380	1.42826	1.43252	1.43657	
Pmt-EoP	1.14077	0.61490	0.44061	0.35420	0.30295	0.26927	0.24562	0.22824	0.21503	0.20474	0.19657	0.18997	0.18459	0.18015	0.17646	0.17339	0.17080	0.16863	0.16679	0.16524	0.16393	0.16283	0.16190	0.16111	0.16045	0.15991	0.15946	0.15909	0.15879	0.15855	0.15836	0.15823	0.15813	
Pmt-BoP	1.02542	0.55272	0.39605	0.31838	0.27231	0.24204	0.22078	0.20516	0.19329	0.18404	0.17669	0.17076	0.16592	0.16193	0.15862	0.15585	0.15353	0.15158	0.14993	0.14854	0.14736	0.14636	0.14552	0.14482	0.14423	0.14374	0.14333	0.14300	0.14273	0.14252	0.14235	0.14214		
Year	1	1.08002	0.62004	0.46671	0.39004	0.34404	0.31338	0.29147	0.27505	0.26227	0.25205	0.24368	0.23671	0.23082	0.22576	0.22138	0.21755	0.21416	0.21116	0.20847	0.20605	0.20386	0.20187	0.20005	0.19838	0.19685	0.19543	0.19412	0.19290	0.19177	0.19071	0.18973	0.18880	0.18793
2		0.54001		0.41336	0.35003	0.31203	0.28670	0.26861	0.25504	0.24448	0.23604	0.22913	0.22338	0.21850	0.21433	0.21071	0.20754	0.20475	0.20227	0.20004	0.19804	0.19624	0.19459	0.19309	0.19171	0.19045	0.18928	0.18819	0.18719	0.18625	0.18538	0.18456	0.18308	
3			0.36001	0.31002	0.28002	0.26003	0.24575	0.23503	0.22670	0.22004	0.21458	0.21004	0.20619	0.20290	0.20004	0.19754	0.19534	0.19338	0.19162	0.19004	0.18861	0.18732	0.18613	0.18504	0.18404	0.18312	0.18227	0.18147	0.18073	0.18004	0.17940	0.17879	0.17823	
4				0.27001	0.24801	0.23335	0.22288	0.21503	0.20892	0.20403	0.20003	0.19670	0.19388	0.19147	0.18937	0.18754	0.18592	0.18448	0.18320	0.18204	0.18099	0.18004	0.17917	0.17837	0.17764	0.17697	0.17634	0.17576	0.17522	0.17471	0.17424	0.17379	0.17338	
5					0.21600	0.20668	0.20002	0.19502	0.19114	0.18803	0.18548	0.18336	0.18157	0.18003	0.17870	0.17753	0.17651	0.17559	0.17477	0.17404	0.17337	0.17277	0.17221	0.17171	0.17124	0.17081	0.17041	0.17004	0.16970	0.16937	0.16907	0.16879	0.16853	
6						0.18000	0.17715	0.17502	0.17335	0.17202	0.17093	0.17003	0.16926	0.16860	0.16803	0.16753	0.16709	0.16670	0.16635	0.16604	0.16575	0.16549	0.16525	0.16504	0.16484	0.16465	0.16448	0.16432	0.16418	0.16404	0.16391	0.16379	0.16368	
7							0.15429	0.15501	0.15557	0.15602	0.15638	0.15669	0.15695	0.15717	0.15736	0.15753	0.15768	0.15781	0.15793	0.15803	0.15813	0.15822	0.15830	0.15837	0.15844	0.15850	0.15856	0.15861	0.15866	0.15870	0.15875	0.15879	0.15883	
8								0.13500	0.13779	0.14001	0.14183	0.14335	0.14464	0.14574	0.14669	0.14753	0.14826	0.14892	0.14950	0.15003	0.15051	0.15094	0.15134	0.15170	0.15203	0.15234	0.15263	0.15289	0.15314	0.15337	0.15359	0.15379	0.15398	
9									0.12000	0.12401	0.12728	0.13001	0.13232	0.13430	0.13602	0.13752	0.13885	0.14003	0.14108	0.14203	0.14289	0.14367	0.14438	0.14503	0.14563	0.14619	0.14670	0.14718	0.14762	0.14803	0.14842	0.14879	0.14913	
10										0.10800	0.11273	0.11668	0.12001	0.12287	0.12535	0.12752	0.12943	0.13113	0.13266	0.13403	0.13526	0.13639	0.13742	0.13836	0.13923	0.14003	0.14077	0.14146	0.14210	0.14270	0.14326	0.14378	0.14428	
11											0.09818	0.10334	0.10770	0.11144	0.11468	0.11752	0.12002	0.12224	0.12423	0.12602	0.12764	0.12912	0.13046	0.13169	0.13283	0.13388	0.13484	0.13574	0.13658	0.13736	0.13810	0.13878	0.13943	
12												0.09900	0.10539	0.11001	0.11401	0.11751	0.12060	0.12335	0.12581	0.12802	0.13014	0.13218	0.13406	0.13579	0.13736	0.13884	0.14022	0.14145	0.14253	0.14356	0.14453	0.14545	0.14632	
13													0.08308	0.08858	0.09334	0.09751	0.10119	0.10446	0.10739	0.11002	0.11240	0.11457	0.11654	0.11836	0.12002	0.12156	0.12299	0.12431	0.12554	0.12670	0.12777	0.12878	0.12973	
14														0.07714	0.08267	0.08751	0.09177	0.09557	0.09896	0.10202	0.10478	0.10729	0.10959	0.11169	0.11362	0.11541	0.11706	0.11860	0.12003	0.12136	0.12261	0.12378	0.12488	
15															0.07750	0.08236	0.08668	0.09054	0.09401	0.09716	0.10002	0.10263	0.10502	0.10722	0.10925	0.11113	0.11288	0.11451	0.11603	0.11745	0.11878	0.12003		
16																0.06750	0.07295	0.07778	0.08211	0.08601	0.08954	0.09274	0.09567	0.09835	0.10082	0.10310	0.10521	0.10716	0.10899	0.11069	0.11228	0.11378	0.11518	
17																	0.06353	0.06889	0.07369	0.07801	0.08192	0.08547	0.08871	0.09168	0.09442	0.09694	0.09928	0.10145	0.10347	0.10536	0.10712	0.10877	0.11033	
18																		0.06000	0.06527	0.07001	0.07429	0.07819	0.08175	0.08501	0.08801	0.09079	0.09335	0.09573	0.09795	0.10002	0.10196	0.10377	0.10548	
19																			0.05684	0.06200	0.06667	0.07092	0.07479	0.07834	0.08161	0.08463	0.08742	0.09002	0.09243	0.09469	0.09679	0.09877	0.10063	
20																				0.05400	0.05905	0.06364	0.06783	0.07168	0.07521	0.07847	0.08149	0.08430	0.08691	0.08935	0.09163	0.09377	0.09578	
21																					0.05143	0.05637	0.06087	0.06501	0.06881	0.07232	0.07557	0.07858	0.08139	0.08402	0.08647	0.08877	0.09093	
22																						0.04909	0.05392	0.05834	0.06241	0.06616	0.06964	0.07287	0.07587	0.07868	0.08131	0.08377	0.08608	
23																							0.04696	0.05167	0.05600	0.06001	0.06371	0.06715	0.07036	0.07335	0.07614	0.07876	0.08123	
24																								0.04500	0.04960	0.05385	0.05778	0.06144	0.06484	0.06801	0.07098	0.07376	0.07638	
25																									0.04320	0.04770	0.05186	0.05572	0.05932	0.062				

DeprecLife	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	
CCF-Fact	0.15007	0.15004	0.15003	0.15005	0.15008	0.15013	0.15019	0.15026	0.15034	0.15044	0.15053	0.15064	0.15074	0.15085	0.15097	0.15108	0.15120	0.15132	0.15144	0.15156	0.15168	0.15179	0.15191	0.15203	0.15214	0.15226	0.15237	0.15248	0.15259	0.15270	0.15280	0.15290	0.15301	
DeprecFact	0.02041	0.02057	0.02073	0.02090	0.02107	0.02124	0.02141	0.02158	0.02175	0.02192	0.02209	0.02226	0.02243	0.02260	0.02277	0.02294	0.02311	0.02328	0.02345	0.02362	0.02379	0.02396	0.02413	0.02430	0.02447	0.02464	0.02481	0.02498	0.02515	0.02532	0.02549	0.02566		
ROF-Fact	0.08481	0.08538	0.08593	0.08647	0.08699	0.08750	0.08799	0.08847	0.08894	0.08939	0.08983	0.09026	0.09068	0.09108	0.09147	0.09185	0.09222	0.09258	0.09293	0.09327	0.09360	0.09391	0.09423	0.09453	0.09482	0.09511	0.09538	0.09565	0.09592	0.09617	0.09642	0.09666		
Fax-GuFact	0.15086	0.15083	0.15080	0.15082	0.15084	0.15087	0.15812	0.15819	0.15826	0.15835	0.15845	0.15855	0.15866	0.15877	0.15889	0.15901	0.15913	0.15925	0.15938	0.15950	0.15963	0.15975	0.15988	0.16000	0.16012	0.16025	0.16037	0.16049	0.16061	0.16073	0.16083	0.16094	0.16105	
CCF-Fact	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	
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	0.15845	0.15855	0.15866	0.15877	0.15889	0.15901	0.15913	0.15925	0.15938	0.15950	0.15963	0.15975	0.15988	0.16000	0.16012	0.16025	0.16037	0.16049	0.16061	0.16073	0.16083	0.16094	0.16105	0.16115	
Pmc-BoP	0.14208	0.14205	0.14204	0.14206	0.14209	0.14213	0.14219	0.14226	0.14234	0.14242	0.14252	0.14261	0.14272	0.14282	0.14293	0.14304	0.14315	0.14326	0.14337	0.14349	0.14360	0.14371	0.14382	0.14393	0.14404	0.14415	0.14426	0.14436	0.14446	0.14456	0.14466	0.14476	0.14486	
Year																																		
1	0.18711	0.18633	0.18560	0.18491	0.18426	0.18364	0.18305	0.18249	0.18195	0.18144	0.18096	0.18049	0.18005	0.17962	0.17921	0.17882	0.17845	0.17809	0.17774	0.17741	0.17709	0.17678	0.17648	0.17619	0.17591	0.17564	0.17538	0.17513	0.17489	0.17465	0.17442	0.17420	0.17399	
2	0.18240	0.18176	0.18116	0.18059	0.18005	0.17953	0.17905	0.17858	0.17814	0.17772	0.17732	0.17694	0.17657	0.17622	0.17588	0.17556	0.17525	0.17495	0.17466	0.17439	0.17412	0.17387	0.17362	0.17338	0.17315	0.17293	0.17271	0.17251	0.17231	0.17211	0.17192	0.17174	0.17156	
3	0.17769	0.17719	0.17671	0.17626	0.17583	0.17543	0.17505	0.17468	0.17433	0.17400	0.17368	0.17338	0.17309	0.17281	0.17255	0.17229	0.17205	0.17181	0.17158	0.17137	0.17116	0.17096	0.17076	0.17057	0.17039	0.17022	0.17005	0.16988	0.16972	0.16957	0.16942	0.16928	0.16914	
4	0.17298	0.17262	0.17227	0.17194	0.17162	0.17133	0.17104	0.17078	0.17052	0.17028	0.17004	0.16982	0.16961	0.16941	0.16921	0.16902	0.16885	0.16867	0.16851	0.16839	0.16829	0.16819	0.16809	0.16799	0.16789	0.16779	0.16769	0.16759	0.16749	0.16739	0.16729	0.16719	0.16709	
5	0.16828	0.16804	0.16782	0.16761	0.16741	0.16722	0.16704	0.16687	0.16671	0.16656	0.16641	0.16627	0.16613	0.16600	0.16588	0.16576	0.16564	0.16553	0.16543	0.16533	0.16523	0.16514	0.16504	0.16496	0.16487	0.16479	0.16471	0.16464	0.16456	0.16449	0.16442	0.16435	0.16429	
6	0.16357	0.16347	0.16337	0.16328	0.16320	0.16312	0.16304	0.16297	0.16290	0.16283	0.16277	0.16271	0.16265	0.16260	0.16254	0.16249	0.16244	0.16240	0.16235	0.16231	0.16227	0.16223	0.16219	0.16215	0.16211	0.16208	0.16204	0.16201	0.16198	0.16195	0.16192	0.16189	0.16186	
7	0.15886	0.15890	0.15893	0.15896	0.15899	0.15901	0.15904	0.15907	0.15911	0.15913	0.15915	0.15917	0.15919	0.15921	0.15923	0.15924	0.15926	0.15927	0.15929	0.15930	0.15932	0.15933	0.15934	0.15935	0.15937	0.15938	0.15939	0.15940	0.15941	0.15942	0.15943	0.15944	0.15945	
8	0.15416	0.15432	0.15448	0.15463	0.15478	0.15491	0.15504	0.15516	0.15528	0.15539	0.15549	0.15558	0.15566	0.15573	0.15579	0.15586	0.15592	0.15598	0.15604	0.15612	0.15620	0.15627	0.15634	0.15641	0.15647	0.15653	0.15659	0.15665	0.15671	0.15677	0.15683	0.15689	0.15695	
9	0.14945	0.14975	0.15004	0.15031	0.15056	0.15081	0.15104	0.15126	0.15147	0.15167	0.15186	0.15204	0.15221	0.15238	0.15254	0.15269	0.15284	0.15298	0.15312	0.15325	0.15337	0.15350	0.15361	0.15373	0.15383	0.15394	0.15404	0.15414	0.15424	0.15434	0.15444	0.15454	0.15464	
10	0.14474	0.14518	0.14559	0.14598	0.14635	0.14670	0.14704	0.14735	0.14766	0.14794	0.14822	0.14848	0.14873	0.14897	0.14921	0.14943	0.14964	0.14984	0.15004	0.15023	0.15041	0.15059	0.15075	0.15092	0.15108	0.15123	0.15137	0.15152	0.15165	0.15179	0.15192	0.15204	0.15216	
11	0.14003	0.14061	0.14115	0.14166	0.14214	0.14260	0.14304	0.14345	0.14385	0.14424	0.14458	0.14493	0.14525	0.14557	0.14587	0.14616	0.14644	0.14671	0.14696	0.14721	0.14745	0.14768	0.14790	0.14811	0.14832	0.14851	0.14871	0.14889	0.14907	0.14925	0.14942	0.14958	0.14974	
12	0.13533	0.13603	0.13670	0.13733	0.13793	0.13850	0.13903	0.13955	0.14004	0.14050	0.14094	0.14137	0.14178	0.14216	0.14254	0.14289	0.14324	0.14357	0.14388	0.14419	0.14448	0.14477	0.14504	0.14530	0.14556	0.14580	0.14604	0.14627	0.14649	0.14671	0.14691	0.14712	0.14731	
13	0.13062	0.13146	0.13225	0.13301	0.13372	0.13439	0.13503	0.13564	0.13622	0.13678	0.13731	0.13781	0.13830	0.13876	0.13920	0.13963	0.14004	0.14043	0.14081	0.14117	0.14152	0.14186	0.14218	0.14249	0.14280	0.14309	0.14337	0.14365	0.14391	0.14417	0.14441	0.14465	0.14489	
14	0.12591	0.12689	0.12781	0.12868	0.12951	0.13029	0.13104	0.13174	0.13241	0.13306	0.13367	0.13426	0.13482	0.13535	0.13587	0.13636	0.13684	0.13729	0.13773	0.13815	0.13855	0.13895	0.13932	0.13969	0.14004	0.14038	0.14070	0.14102	0.14133	0.14163	0.14191	0.14219	0.14246	
15	0.12120	0.12231	0.12336	0.12435	0.12529	0.12618	0.12703	0.12784	0.12860	0.12933	0.13003	0.13070	0.13134	0.13195	0.13253	0.13310	0.13363	0.13415	0.13465	0.13513	0.13559	0.13604	0.13646	0.13688	0.13728	0.13766	0.13804	0.13840	0.13875	0.13909	0.13941	0.13973	0.14004	
16	0.11650	0.11774	0.11892	0.12003	0.12108	0.12208	0.12303	0.12393	0.12479	0.12561	0.12640	0.12714	0.12786	0.12854	0.12920	0.12983	0.13043	0.13101	0.13157	0.13211	0.13263	0.13313	0.13361	0.13407	0.13452	0.13495	0.13537	0.13577	0.13617	0.13654	0.13691	0.13727	0.13761	
17	0.11179	0.11317	0.11457	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	0.11919	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	0.10706	0.10832	0.10955	0.11072	0.11185	0.11292	0.11394	0.11492	0.11586	0.11676	0.11763	0.11846																

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	0.01265	0.01250	0.01235
RORFact	0.09713	0.09735	0.09757	0.09778	0.09798	0.09818	0.09838	0.09857	0.09876	0.09894	0.09912	0.09929	0.09946	0.09962	0.09978
TaxGUFact	0.04106	0.04115	0.04124	0.04133	0.04142	0.04150	0.04159	0.04167	0.04174	0.04182	0.04190	0.04197	0.04204	0.04211	0.04218
COE															
COD															
NPV-EoP	1.35606	1.35703	1.35798	1.35890	1.35979	1.36066	1.36151	1.36234	1.36314	1.36392	1.36468	1.36542	1.36615	1.36685	1.36754
NPV-BuP	1.50861	1.50969	1.51075	1.51177	1.51277	1.51373	1.51468	1.51559	1.51649	1.51736	1.51820	1.51903	1.51983	1.52062	1.52138
Pmc-EoP	0.16126	0.16136	0.16146	0.16156	0.16166	0.16175	0.16185	0.16194	0.16203	0.16212	0.16220	0.16228	0.16237	0.16245	0.16253
Pmc-BuP	0.14495	0.14505	0.14514	0.14523	0.14531	0.14540	0.14548	0.14556	0.14564	0.14572	0.14580	0.14587	0.14595	0.14602	0.14609
Year															
1	0.17378	0.17358	0.17338	0.17319	0.17301	0.17283	0.17265	0.17248	0.17231	0.17215	0.17200	0.17184	0.17169	0.17155	0.17141
2	0.17139	0.17122	0.17106	0.17090	0.17075	0.17060	0.17046	0.17032	0.17018	0.17005	0.16992	0.16979	0.16967	0.16955	0.16943
3	0.16900	0.16887	0.16874	0.16862	0.16850	0.16838	0.16827	0.16816	0.16805	0.16794	0.16784	0.16774	0.16764	0.16755	0.16745
4	0.16661	0.16652	0.16642	0.16633	0.16624	0.16616	0.16607	0.16599	0.16591	0.16584	0.16576	0.16569	0.16562	0.16555	0.16548
5	0.16422	0.16416	0.16410	0.16405	0.16399	0.16393	0.16388	0.16383	0.16378	0.16373	0.16368	0.16364	0.16359	0.16355	0.16350
6	0.16184	0.16181	0.16178	0.16176	0.16173	0.16171	0.16169	0.16167	0.16165	0.16162	0.16160	0.16158	0.16156	0.16155	0.16153
7	0.15945	0.15946	0.15946	0.15947	0.15948	0.15949	0.15949	0.15950	0.15951	0.15952	0.15953	0.15954	0.15954	0.15955	0.15955
8	0.15706	0.15710	0.15714	0.15719	0.15723	0.15727	0.15730	0.15734	0.15738	0.15741	0.15745	0.15748	0.15751	0.15754	0.15757
9	0.15467	0.15475	0.15483	0.15490	0.15497	0.15504	0.15511	0.15518	0.15524	0.15531	0.15537	0.15543	0.15549	0.15554	0.15560
10	0.15228	0.15239	0.15251	0.15261	0.15272	0.15282	0.15292	0.15302	0.15311	0.15320	0.15329	0.15338	0.15346	0.15354	0.15362
11	0.14989	0.15004	0.15019	0.15033	0.15046	0.15060	0.15073	0.15085	0.15098	0.15109	0.15121	0.15132	0.15143	0.15154	0.15165
12	0.14750	0.14769	0.14787	0.14804	0.14821	0.14837	0.14853	0.14869	0.14884	0.14899	0.14913	0.14927	0.14941	0.14954	0.14967
13	0.14511	0.14533	0.14555	0.14575	0.14596	0.14615	0.14634	0.14653	0.14671	0.14688	0.14705	0.14722	0.14738	0.14754	0.14770
14	0.14273	0.14298	0.14323	0.14347	0.14370	0.14393	0.14415	0.14436	0.14457	0.14478	0.14498	0.14517	0.14536	0.14554	0.14572
15	0.14034	0.14063	0.14091	0.14118	0.14145	0.14171	0.14196	0.14220	0.14244	0.14267	0.14290	0.14312	0.14333	0.14354	0.14374
16	0.13795	0.13827	0.13859	0.13889	0.13919	0.13948	0.13976	0.14004	0.14031	0.14056	0.14082	0.14106	0.14130	0.14154	0.14177
17	0.13556	0.13592	0.13627	0.13661	0.13694	0.13726	0.13757	0.13788	0.13817	0.13846	0.13874	0.13901	0.13928	0.13954	0.13979
18	0.13317	0.13357	0.13395	0.13432	0.13468	0.13504	0.13538	0.13571	0.13604	0.13635	0.13666	0.13696	0.13725	0.13754	0.13782
19	0.13078	0.13121	0.13163	0.13204	0.13243	0.13281	0.13319	0.13355	0.13390	0.13425	0.13458	0.13491	0.13523	0.13554	0.13584
20	0.12839	0.12886	0.12931	0.12975	0.13018	0.13059	0.13099	0.13139	0.13177	0.13214	0.13250	0.13286	0.13320	0.13354	0.13386
21	0.12600	0.12660	0.12709	0.12756	0.12802	0.12837	0.12870	0.12902	0.12934	0.12964	0.12994	0.13024	0.13054	0.13084	0.13109
22	0.12362	0.12415	0.12467	0.12518	0.12567	0.12615	0.12661	0.12706	0.12750	0.12793	0.12835	0.12875	0.12915	0.12954	0.12991
23	0.12123	0.12180	0.12235	0.12289	0.12341	0.12392	0.12442	0.12490	0.12537	0.12582	0.12627	0.12670	0.12712	0.12753	0.12794
24	0.11884	0.11944	0.12003	0.12060	0.12116	0.12170	0.12222	0.12274	0.12323	0.12372	0.12419	0.12465	0.12510	0.12553	0.12596
25	0.11645	0.11709	0.11771	0.11832	0.11891	0.11948	0.12003	0.12057	0.12110	0.12161	0.12211	0.12260	0.12307	0.12353	0.12398
26	0.11406	0.11474	0.11539	0.11603	0.11665	0.11725	0.11784	0.11841	0.11897	0.11953	0.12008	0.12061	0.12113	0.12163	0.12209
27	0.11167	0.11237	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	0.07083	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	Goodman Tel Co	
Cost of Capital Inputs		
Cost of Debt	8.80%	
Debt fraction	44.20%	
Cost of Equity	13.19%	
Equity fraction		55.80%
Weighted equity fraction		65.42%
Overall Cost of Capital		11.25%
Traffic Inputs		
local DEMs, thousands	19,708	
intrastate DEMs, thousands	4,208	
interstate DEMs, thousands	4,154	28,070 total DEMs, thousands
Local call completion fraction	70.00%	
Total local calls attempted	4,465	3,126 Total local calls completed
Total intraLATA calls completed	267	
Total interLATA calls completed - intrastate	269	
Total interLATA calls completed - interstate	572	
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	4	
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	\$ 52,208
2421-nm	Aerial Cable - Non-Metall	22.24	-0.1753	18.92	\$ 36,429
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	\$ 1,031,637
2423-nm	Buried - Non-Metallic	23.86	-0.0858	21.97	\$ 1,083,447
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	\$ 1,083,845
Average Non-Metallic Cable (calculated)				21.86	\$ 1,119,876

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	4,208,000	
Interstate Toll DEMs	4,154,000	
trunk port usage	48,330,393	
trk-min/mo	10,044	
interLATA ded. trunks	69	
Common Transport MOU		
Local	46,092	w/o OS usage
Intrastate Toll	4,208,000	
Interstate Toll	4,154,000	
	8,408,092	
Intrastate IntraLATA Calls	267	49.81% SOCCC message counts
Intrastate InterLATA Calls	269	50.19%
	536	

Calculation of EO Usage

Local DEMs, incl OS	19,708,000	70.2% of total DEMs
Intraoffice Local DEMs	17,335,827	
Intraoffice Local Actual Min	8,667,913	
Interoffice Local Actual Min	2,372,173	per end
Intrastate Toll Actual Min	4,208,000	
Interstate Toll Actual Min	<u>4,154,000</u>	
	19,402,087	
Tandem Switch MOU		
Local	23,046	Dedicated Trunk-SW
IntraLATA Toll	1,048,075	79
InterLATA Toll	<u>6,265,851</u>	
	7,336,971	

TRANSFORMED REGULATED		1995 COMPANY NAME:		ICO			
		OTHER TAXES & UNCOLLECTIBLES CALCULATION		EXPENSES		NET REVENUES	
		7230 OPERATING STATE & LOCAL INCOME TAX-NET		11			
		7240 OPERATING OTHER TAXES		46			
		5300 UNCOLLECTIBLE REVENUES				17	
		530 NET REVENUES				1,104	
		GROSS REVENUES (5300 + 530)				1,122	
		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	C. EXP/INV (A/B)	
		TPIS GENERAL SUPPORT					
		2111 LAND				15	
		2121 BUILDINGS				219	
6121		TOTAL LAND & BUILDINGS		24	234	0.103180	
6112	2112	2112 MOTOR VEHICLES		1	38	0.034751	
6113	2113	2113 AIRCRAFT		1	2	0.312456	
6114	2114	2114 SPECIAL PURPOSE VEHICLES		0	0	0.014245	
6115	2115	2115 GARAGE WORK EQUIPMENT		0	1	0.035334	
6116	2116	2116 OTHER WORK EQUIPMENT		0	30	0.011313	
6122	2122	2122 FURNITURE		2	14	0.122429	
6123	2123	2123 OFFICE EQUIPMENT		4	37	0.101497	
6124	2124	2124 GENERAL PRUPOSE COMPUTERS		36	57	0.638091156	
6120	2110	2110 TOTAL LAND & SUPPORT ASSETS		66	412	0.15965268	
		TPIS - CENTRAL OFFICE SWITCHING					
6211	2211	2211 ANALOG ELECT SWITCH		1	24	0.045322	
6212	2212	2212 DIGITAL ELECTRONIC SWITCHING		41	721	0.056899071	
6220	2220	2220 OPERATOR SYSTEMS		1	11	0.06751836	
6210	2210	22102210221022102210 CENTRAL OFFICE SWITCH		43	756	0.056940858	
		TPIS - CENTRAL OFFICE TRANSMISSION					
		2232 CIRCUIT EQUIPMENT		8	497	0.016263483	
6230	2230	2230 TRANSMISSION		9	520	0.01663194	
		TPIS - INFORMATION ORIG/TERM					
		2311 STATION APPARATUS		0	0	0.382353	
		2321 CUSTOMER PREMISES WIRING		0	0	#DIV/0!	
6341	2341	2341 LARGE PRIVATE BRANCH EXCHANGE		0	0	4.500000	
6351	2351	2351 PUBLIC TEL TERMINAL EQUIPMENT		3	16	0.188118	
6362	2362	2362 OTHER TERMINAL EQUIPMENT		5	27	0.176349542	
6310	2310	2310 TOTAL INFORMATION ORIG/TERM		8	43	0.182377792	
		TPIS - CABLE & WIRE FACILITIES					
		2411 POLES		4	86	0.041273	
6421	2421	2421 AERIAL CABLE		25	404	0.062887	
6422	2422	2422 UNDERGROUND CABLE		5	257	0.019603	
6423	2423	2423 BURIED CABLE		28	715	0.038878	
6441	2441	2441 CONDUIT SYSTEMS		1	146	0.003678698	
6410	2410	2410 TOTAL CABLE & WIRE FACILITIES		63	1,624	0.038842	
		240 TOTAL TPIS(BEFORE AMORTIZABLE ASSETS) (2110+2210+2220+2230+2310+2410)		125	3,381	0.037062996	
		PLANT NON-SPECIFIC OPERATIONS EXPENSES	A. EXPENSES	B. TPIS INVESTMENT	C. EXP/INV (A/B)		
6512	240	6512 PROVISIONING EXPENSES	1	3,381		0.000300	
6531	240	6531 POWER EXPENSES	5	3,381		0.001623	
6532	240	6532 NETWORK ADMINISTRATION	14	3,381		0.004102	
6533	240	6533 TESTING	14	3,381		0.004252	
6534	240	6534 PLANT OPERATIONS ADMINISTRATION	22	3,381		0.006391	
6535	240	6535 ENGINEERING	11	3,381		0.003373	
6540	240	6540 ACCESS EXPENSE	19	3,381		0.005573799	
6530	240	6530 TOTAL NETWORK OPERATIONS EXPENSES	67	3,381		0.019740601	
6561	240	6561656165616561 DEPRECIATION -TPISDEPRECIATION -TPIS	236 236 236 236	3,381 3,381 3,381 3,381		0.0696775250 0.069677525	
		NETWORK SUPPORT FACTOR CALCULATION		A. EXPENSES	B. CABLE & WIRE INV	C. EXP/INV (A/B)	
		2112 MOTOR VEHICLES		1			
6113		2113 AIRCRAFT		1			
6114		2114 SPECIAL PURPOSE VEHICLES		0			
6115		2115 GARAGE WORK EQUIPMENT		0			
6116		2116 OTHER WORK EQUIPMENT		0			
		TOTAL NETWORK SUPPORT (EXCL 2113)		2	1,624	0.001041087	
		CUSTOMER OPERATIONS EXPENSES	A. EXPENSES	B. NET REVENUES	C. EXP/NET REV (A/B)		
6611		6611 PRODUCT MANAGEMENT	10		CALC		
6612		6612 SALES	18		CALC		
6613		6613 PRODUCT ADVERTISING	6		CALC		
6610		6610 TOTAL MARKETING EXPENSES	34		CALC		
6621		6621 CALL COMPLETION SERVICE	8		CALC		
6622		6622 NUMBER SERVICES	18		CALC		
6623		6623 CUSTOMER SERVICES	61		CALC		

6620	6620 TOTAL SERVICES EXPENSES	87	CALC
-	700 TOTAL CUSTOMER OPERATIONS EXPENSE (6610 + 6620)	120	CALC
	CORPORATE OPERATIONS EXPENSES	A. EXPENSES	B. REVENUES
			C. EXP/REV (A/B)
6711	6711 EXECUTIVE	5	CALC
6712	6712 PLANNING	2	CALC
6710	6710 TOTAL EXECUTIVE & PLANNING	7	CALC
6721	6721 ACCOUNTING & FINANCE	14	CALC
6722	6722 EXTERNAL RELATIONS	8	CALC
6723	6723 HUMAN RESOURCES	10	CALC
6724	6724 INFORMATION MANAGEMENT	38	CALC
6725	6725 LEGAL	3	CALC
6726	6726 PROCUREMENT	2	CALC
6727	6727 RESEARCH & DEVELOPMENT	2	CALC
6728	6728 OTHER GENERAL & ADMINISTRATIVE	32	CALC
6720	6720 TOTAL GENERAL & ADMINISTRATIVE	109	CALC
	710 TOTAL CORPORATE OPERATIONS EXPENSE (6710 + 6720 + 6790)	143	CALC
	720 TOTAL OPERATING EXPENSES		CALC
	DEM - LOCAL	19,799	
	DEM - INTRASTATE	4,298	
	DEM - INTERSTATE	4,155	
	MESSAGES - INTRALATA	267	
	MESSAGES - INTERLATA - interstate	572	
	MESSAGES - INTERLATA - intrastate	269.0685695	
4308 (EC)	LOCAL CALL ATTEMPTS	4,466	
	LINES - BUSINESS	434	
	RESIDENTIAL	1,175	
	PUBLIC	14	
	SPECIAL	108	
	TOTAL	1,732	
	5081 END USER		73
	5082 SWITCHED ACCESS		165
	5083 SPECIAL ACCESS		30
	TOTAL INTER ACCESS		268
	5084 END USER		
	5084 SWITCHED ACCESS		
	5084 SPECIAL ACCESS		
	STATE ACCESS		138
	TOTAL ACCESS REVENUES		407
	LD MESSAGE REVENUE		
	5100 INTERSTATE MESSAGE		
	5100 INTRASTATE MESSAGE		
	5100 INTERSTATE CALLING PLAN		
	5100 INTRASTATE CALLING PLAN		
	LD MSG REV (CLASS A)		116
	UNIDIRECTIONAL LD		
	5110 INTERSTATE		
	INTRASTATE		
	TOTAL		4
	5120 LD PRIVATE NETWORK		10
	OTHER LD		
	5160 INTERSTATE		
	INTRASTATE		
	TOTAL		2
	TOTAL LD NETWORK REVENUE		
	INTERSTATE		
	INTRASTATE		
	TOTAL		132
	BASIC LOCAL SERVICE		
	5001 BASIC AREA		358
	5002 OPTIONAL EXTEND AREA		11
	5003 CELLAR MOBIL		8
	5004 OTHER MOBIL SVC		1
	TOTAL BASIC SVC		378
	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				11
	5040 LOCAL PRIVATE LINE				12
	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				88
	TOTAL LOCAL NETWORK SRVC REVENUE INTERSTATE INTRASTATE				489.7714654
	TOTAL REVENUE				1028.098344
	CAPITAL STRUCTURE PARAMETERS				
	DEBT/EQUITY RATIO	DEBT/EQUITY RATIO	DEBT/EQUITY RATIO	DEBT/EQUITY RATIO	DEBT/EQUITY RATIO
	COST OF DEBT				
	COST OF EQUITY				
		BALANCE SHEET	ACCRUEL	DEPR LIFE	
		43-02, B-1	43-02, B-5	(ASSUMING	
		AVG=(ab+af)/2	(col 2C)	STRAIGHT LIFE)	
		A	B	C = (A/C)	
		-	-	-	
	ECONOMIC LIFE				
(2422,21,22,23,41)	FEEDER				
(2422,21,22,23,41)	DISTRIBUTION				
	2121 BUILDINGS				
	2232 DLC ELECTRONIC EQUIPMENT				
	2212 EO SWITCHING				
	2212 TANDEM SWITCHING				
	2220 OS POSITIONS				
	2220 OS TANDEM				
	2232 TRANSMISSION SYSTEMS				
	2351 PUBLIC TELEPHONE EQUIPMENT				
2122,2124	FURNITURE + GP COMPUTERS				
DATA SOURCEDATA SOURCEDATA SOURCEDATA SOURCEDATA SOURCEDATA SOURCESum checksum checksum checksum checksum checksum checksum checksum check					
ARMIS 4303	Jan 1996 to Dec 1996		28215	495	
ARMIS 4304	GEORGIA		9007 (EJ)	9010	
ARMIS 4308		0 (EJ)			
DEM			0		
=	=	=	=	=	
UNCOLL RATE:	BA Lcl Svc	4303.Ln 520			489.7833903
	LD Ntwk Svs Rev	4303.Ln 525			132.8136201
	End User	4303.Ln 5081			73.49717664
	Sw Acc	4303.Ln 5082			164.5535673
	Spcl Acc	4303.Ln 5083			30.28199197
	St Acc	4303.Ln 5084			138.2221635
	Uncoll Rev	4303.Ln 5300			17.41973356
	Tot Acc	4304.Ln4040 (P)			1.443912798
	B&C	4304.Ln4040 (Q)			0.141816844
	IX	4304.Ln4040 (R)			0.005126581
	Ln4040 (P+Q+R)	Calc (P+Q+R)			1.590856224
Uncoll -Acc	5300-(4040p..r)	1a			15.82887734
End User+ Rievs	5081+520+525	1b			695.0941891
Uncoll Retail Rate		1c=(a/b)			0.022739563
Uncoll Wholesale rate	4040p/(5082..5084)	2a			0.004335323

Actuals for 1996 (\$000s)

	Investments	Expenses	Calculated Factor	
Plant-Specific Operations Expenses				
TPIS - General Support				
2111 Land	\$ 15	\$ -	-	
2112 Motor Vehicles	\$ 38	\$ 1	0.0348	
2113 Aircraft	\$ 2	\$ 1	0.3125	
2114 Special Purpose Vehicles	\$ 0	\$ 0	0.0142	
2115 Garage Work Equipment	\$ 1	\$ 0	0.0353	
2116 Other Work Equipment	\$ 30	\$ 0	0.0113	
2121 Buildings	\$ 219	\$ 24	0.1103	Land & Bldg Exp Applied to Bldgs
2122 Furniture	\$ 14	\$ 2	0.1224	
2123 Office Equipment	\$ 37	\$ 4	0.1015	
2124 General Purpose Computers	\$ 57	\$ 36	0.6381	
2110 Total Land & Support Assets	\$ 412	\$ 68	0.1650	
TPIS - Central Office Switching				
2211 Analog Electronic Switching	\$ 24	\$ 1	0.0453	
2212 Digital Electronic Switching	\$ 721	\$ 41	0.0569	4.75% NET CO Switch Factor
2210 Total Central Office Switching	\$ 745	\$ 42	0.0565	
2220 Operator Systems	\$ 11	\$ 1	0.0675	
TPIS - Central Office Transmission				
2231 Satellite & Earth Station Facilities				
2231 Other Radio Facilities				
2231 Radio Systems				
2232 Circuit Equipment	\$ 497	\$ 8	0.0163	1.53% alternative factor
2230 Total Central Office Transmission	\$ 497	\$ 8	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	\$ 16	\$ 3	0.1881	
2362 Other Terminal Equipment	\$ 27	\$ 5	0.1763	
2310 Total Information Orig/Term	\$ 43	\$ 8	0.1824	
TPIS - Cable & Wire Facilities				
2411 Poles	\$ 86	\$ 4	0.0413	
2421 Aerial Cable	\$ 404	\$ 25	0.0629	0.0629 0.0196 0.0389Alternative fiber cable maintenance factors
2422 Underground Cable	\$ 257	\$ 5	0.0196	
2423 Buried Cable	\$ 715	\$ 28	0.0389	
2424 Submarine Cable				
2425 Deep Sea Cable				
2426 Intrabuilding Network Cable				
2431 Aerial Wire				
2441 Conduit Systems	\$ 146	\$ 1	0.0037	
2410 Total Cable & Wire Facilities	\$ 1,607	\$ 62	0.0388	
240 Total TPIS (before amortizable assets)	\$ 2,903	\$ 189	0.0652	
Plant Non-Specific Operations Expenses				
	Expenses	Investment	Factor	
6512 Provisioning Expenses	\$ 1	\$ 2,903	0.0003	
6531 Power Expenses	\$ 5	\$ 2,903	0.0019	8.10% all
6532 Network Administration	\$ 14	\$ 2,903	0.0048	20.47% switching, interoffice
6533 Testing	\$ 14	\$ 2,903	0.0050	21.22% all
6534 Plant Operations Administration	\$ 22	\$ 2,903	0.0074	31.89% all
6535 Engineering	\$ 11	\$ 2,903	0.0039	16.83% all
6540 Access Expense				
6530 Total Network Operations Expenses (includes provisioning)	\$ 68	\$ 2,903	0.0233	per line network operations
				(=total ARMIS 6530/total lines)
Network Support Factor Calculation				total lines (from net. invest. inputs)
	Expenses	Cable & Wire Inv	Factor	\$ 1,732
6112 Motor Vehicles	\$ 1			
6113 Aircraft	\$ 1			
6114 Special Purpose Vehicles	\$ 0			
6115 Garage Work Equipment	\$ 0			
6116 Other Work Equipment	\$ 0			
Aircraft & Special Purpose Vehicles	\$ 2	\$ 1,607	0.0011	annual net ops per line

Customer Operations Expenses

	Expenses		Net Revenues		Factor		
6611 Product Management *	\$	10	\$	0.4638	\$	579	0.0166
6612 Sales *	\$	18	\$	0.8522	\$	579	0.0306
6613 Product Advertising	\$	6			\$	579	0.0110
6610 Total Marketing Expenses	\$	34					0.0582
6621 Call Completion Service	\$	8			\$	579	0.0131
6622 Number Services	\$	18	\$	0.8863	\$	579	0.0318
6623 Customer Services	\$	61	\$	2.9168	\$	579	0.1046
6620 Total Services Expenses	\$	87	\$	4.23			0.1495
Billing/bill inquiry (per line/month)	\$	2.30					
Directory listing (per line/month)		-					
700 Total Customer Operations Expenses	\$	120.39			\$	579	0.2078
							0.2442

Corporate Operations Expenses

Corporate Operations Expense		Expenses	Revenues	Factor		
6711 Executive	\$	5	\$	579	0.0079	
6712 Planning	\$	2	\$	579	0.0039	
6710 Total Executive & Planning	\$	7	\$	579	0.0117	
6721 Accounting & Finance	\$	14	\$	579	0.0237	
6722 External Relations	\$	8	\$	579	0.0144	
6723 Human Resources	\$	10	\$	579	0.0171	
6724 Information Management	\$	38	\$	579	0.0653	
6725 Legal	\$	3	\$	579	0.0055	
6726 Procurement	\$	2	\$	579	0.0030	
6727 Research & Development	\$	2	\$	579	0.0038	
6728 Other General & Administrative	\$	32	\$	579	0.0554	
6720 Total General & Administrative	\$	109	\$	579	0.1880	
710 Total Corporate Operations Expense	\$	116	\$	579	0.1040	0.2347
720 Total Operating Expenses	\$	493				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	\$ 14	\$ 37	\$ 57	\$ 38	\$ 110	\$ 1	\$ 30
Investment/TPIS	0.005	0.013	0.020	0.013	0.038	0.000	0.010
Expense	\$ 2	\$ 4	\$ 36	\$ 1	\$ 12	\$ 0	\$ 0
Expense Factor	0.122	0.101	0.638	0.035	0.110	0.035	0.011
Model TPIS	\$ 5,461	\$ 5,461	\$ 5,461	\$ 5,461	\$ 5,461	\$ 5,461	\$ 5,461
Calculated Investment	\$ 27	\$ 69	\$ 107	\$ 71	\$ 206	\$ 2	\$ 56
Calculated Expense	\$ 3	\$ 7	\$ 68	\$ 2	\$ 23	\$ 0	\$ 1
Subtotal (\$s)	\$ 46,068						
Total Misc Expense	\$ 46,068						

Other Taxes & Uncollectibles Calculation

	Expenses		Net Revenues		Factor
7230 Operating State & Local Income Tax	\$	11	\$	(56)	
7240 Operating Other Taxes	\$	46	\$	(56)	0.0500
5300 Uncollectible Revenues	\$	17	\$	579	0.0301
retail					0.0227
wholesale					0.0043
Ratio of Net Plant to TPIS					
TPIS	\$	2,903			
Net Plant	\$	2,903			
Ratio	\$	1			
Model Investment	\$	-			
Model % of Net Plant	\$	-			
Model % of TPIS		0%			

Actual 1996 Revenue

		% of total
Interstate Access		
5081 End User	\$ 73	8.26%
5082 Switched Access	\$ 165	18.49%
5083 Special Access	\$ 30	3.40%
Total Inter Access	\$ 268	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	\$ 268	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	\$ 116	13.08%
Unidirectional LD Revenue		
5110 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 4	0.48%
LD Private Network Revenue		
5120 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 10	1.08%
Other Long Distance Revenue		
5160 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 2	0.17%
Total Long Distance Network Rev		
Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total	\$ 132	14.81%

Basic Local Service		
5001 Basic Area	\$ 358	40.21%
5002 Optional Extended Area	\$ 11	1.23%
5003 Cellular Mobile	\$ 8	0.95%
5004 Other Mobile Svcs	\$ 1	0.08%
Total Basic Local Service	\$ 378	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	\$ 11	1.18%
Local Private Line Revenue		
5040 Interstate	\$ -	0.00%
Intrastate	\$ -	0.00%
Total Private Line	\$ 12	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	\$ 88	9.89%
Total Local Network Service Revenue		
Interstate	\$ -	0.00%
Intrastate	\$ 490	55.04%
Total Revenue	\$ 890	100.00%

HAI Model Release 5.0a

Expense Module Release 5.0a

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

Scenario Inputs

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

Workfile Name: C:\Program Files\HM50\WORKFILES\HMWKMO4218861.XLS
Distribution Module Name: C:\Program Files\HM50\MODULES\R50a_distribution.xls
Feeder Module Name: C:\Program Files\HM50\MODULES\R50a_feeder.xls
Switching Module Name: C:\Program Files\HM50\MODULES\R50a_switching_io-Dt-HRInd-TransForm-Fiber-Sharing.xls
Expense Module Name: C:\Program Files\HM50\MODULES\R50a_expense_density.xls

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

HAI Model Release 5.0a
User Adjustable Inputs

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

HAI Model Release 5.0a

User Adjustable Inputs

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

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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	4,465	4,465	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	267	267	Distribution Buried Shring Fraction - 100	1.00	1.00
InterLATA intrastate Calls Completed	269	269	Distribution Buried Shring Fraction - 200	1.00	1.00
InterLATA interstate Calls Completed	572	572	Distribution Buried Shring Fraction - 650	1.00	1.00
Local DEMs, thousands	19,708	19,708	Distribution Buried Shring Fraction - 850	1.00	1.00
Intrastate DEMs, thousands	4,208	4,208	Distribution Buried Shring Fraction - 2550	1.00	1.00
Interstate DEMs, thousands	4,154	4,154	Distribution Buried Shring Fraction - 5000	1.00	1.00
Local Business/Residence DEMs	1.10	1.10	Distribution Buried Shring Fraction - 10000	1.00	1.00
Intrastate Business/Residence DEMs	2.00	2.00	Distribution Underground Shring Fraction - 0	1.00	1.00
Interstate Business/Residence DEMs	3.00	3.00	Distribution Underground Shring Fraction - 5	1.00	1.00
BH Fraction of Daily Usage	0.10	0.10	Distribution Underground Shring Fraction - 100	1.00	1.00
Annual to Daily Usage Reduction Factor	270.00	270.00	Distribution Underground Shring Fraction - 200	1.00	1.00
Residential Holding Time Multiplier	1.00	1.00	Distribution Underground Shring Fraction - 650	1.00	1.00
Business Holding Time Multiplier	1.00	1.00	Distribution Underground Shring Fraction - 850	1.00	1.00
Residential Call Attempts per BH	1.30	1.30	Distribution Underground Shring Fraction - 2550	1.00	1.00
Business Call Attempts per BH	3.50	3.50	Distribution Underground Shring Fraction - 5000	1.00	1.00
ICO STP Investment, per line (equipment)	5.50	5.50	Distribution Underground Shring Fraction - 10000	1.00	1.00
ICO Local Tandem Investment, per line	1.90	1.90	Feeder Aerial Shring Fraction - 0	1.00	1.00
ICO OS Tandem Investment, per line	0.80	0.80	Feeder Aerial Shring Fraction - 5	1.00	1.00
ICO SCP Investment per line (equipment)	2.50	2.50	Feeder Aerial Shring Fraction - 100	1.00	1.00
ICO SCP - STP per line (wirecenter)	0.40	0.40	Feeder Aerial Shring Fraction - 200	0.50	0.50
ICO Local Tandem Investment, per line (wirecenter)	2.50	2.50	Feeder Aerial Shring Fraction - 650	0.50	0.50
ICO OS Tandem Investment, per line (wirecenter)	1.00	1.00	Feeder Aerial Shring Fraction - 850	0.50	0.50

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User Adjustable Inputs

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

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User Adjustable Inputs

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

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User Adjustable Inputs

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

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User Adjustable Inputs

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