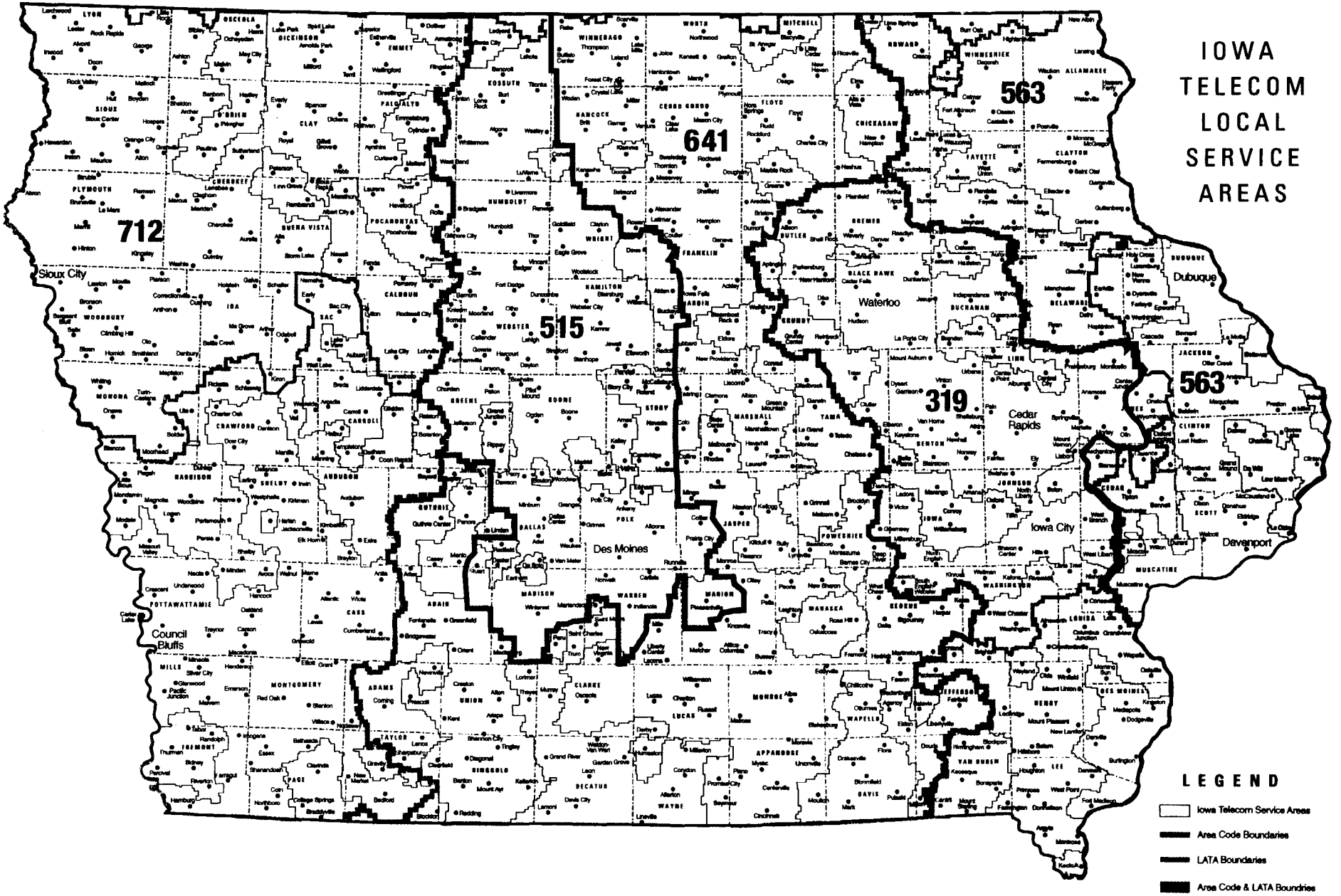
IOWA TELECOM LOCAL SERVICE AREAS



MPMI (02/01)

Iowa Telecom Service Group
Estimated Forward-Looking Access Cost-Detailed Elements (Excluding Common Line)

		Total Cost	Units		Cost Per Unit	
End office switching		$ 12,622,611				
	Line Port	$ 3,786,783	115,354	switched lines	$ 2.74	per line/month
	Non-Line Port	$ 8,835,828	1,208,104,980	actual minutes	$ 0.00731	per actual minute
Signaling network elements		$ 961,380				
	Links	$ 753,504	260	links	$ 241.51	per link per month
	STP	$ 136,109	1,057,336,766	TCAP+ISUP msgs	$ 0.00013	per signaling message
	SCP	$ 71,767	63,684,600	TCAP queries	$ 0.00113	per query
Transport network elements						
Dedicated						
	Sw+Sp Transport	$ 7,559,489	5,522	trunks	$ 114.08	per DS-0 equivalent per month
	Switched	$ 7,559,489	665,580,465	minutes	$ 0.01136	per minute
	Special	$ -	-	trunks		
	Transmission Terminal	$ 1,216,149	5,522	trunks	$ 18.35	per DS-0 equivalent per month
			665,580,465	minutes	$ 0.00183	per minute
					$ 0.01318	total per minute
Common						
	Transport	$ 4,326,539	326,040,413	minutes	$ 0.01327	per minute per leg (orig or term)
	Transmission Terminal	$ 545,189	326,040,413	minutes	$ 0.00167	per minute
					$ 0.01494	total per minute
Direct						
	Transport	$ 6,153,643	229,086,718	minutes	$ 0.02686	per minute
	Transmission Terminal	$ 803,729	229,086,718	minutes	$ 0.00351	per minute
					$ 0.03037	total per minute
Tandem switch		$ 744,973	109,928,910	minutes	$ 0.00678	per minute

Additional Calculations to Adjust Synthesis Model Outputs to ATS Rate Structure

End office switching						
	Line Port	$ 3,786,783	1,208,104,980	minute	$ 0.003134	per actual minute
Transport network elements						
Common						
ATS-minutes			1,067,192,797			
ATS-minute miles			11,306,696,258			
miles/minute			10.5948			
HCPM minutes			326,040,413			
Equiv HCPM minutes miles			3,454,333,577			
	Transport	$ 4,326,539	3,454,333,577	minute miles	0.00125250	
Direct						
ATS-Direct Trunks-COIT			269			
ATS-Direct Trunk miles-COIT			25,868			
miles/trunk			89.5017			
Transport minutes			229,086,718			
Transport minutes/month			19,090,560			
Trunks @ 10,044 minutes/trunk			1901			
	Transport	$ 6,153,643	1901		269.80	Direct per trunk per month
			89.5017		3.01	per trunk-mile per month
	Transmission Terminal	$ 803,729	1901		35.24	Direct per trunk per month

Iowa Telecom Service Group
Calculation of ATS Rates Using July 2001 Tariff Review Plan Data and Synthesis Model Outputs

	July 2001 TRP Filing (2000 data)			Synthesis Model		
	Rates	Units	Revenues	Rates	Units	Revenues
Switched Traffic Sensitive						
Local Switching (ATS-related)						
End Office Switching	0.00666280	331,956,879	$2,211,762	0.00731000	331,956,879	$2,426,605
LS Trunk Ports						
Shared Port	0.00131960	202,502,189	$267,222	0.00313400	202,502,189	$634,642
Dedicated DS-1	12.96	1,266	$16,407	12.96 *	1,266	$16,407
Dedicated Analog						$0
Info Surcharge						
STP Port						
Additional Switching Items to Reach Total			$7,597			$7,597
Switched TS Revenue			$2,502,989			$3,085,251
Switched Transport						
TIC						
Tandem SW Tprt (ATS-related)						
Tandem Termination	0.00006270	419,074,477	$26,276	0.00167000	419,074,477	$699,854
Tandem Transport	0.00002060	5,874,649,427	$121,018	0.00125250	5,874,649,427	$7,357,998
Tandem Switch	0.00058650	191,481,296	$112,304	0.00678000	191,481,296	$1,298,243
Dedicated DS1 Port	5.53	17,958	$99,308	5.53 *	17,958	$99,308
Dedicated Voice Port	16.92	1,038	$17,563	18.35	1,038	$19,047
VG: SW (ATS-related)						
Entrance Facility - 2 W-VG	30.45	0	$0	30.45 *	0	$0
Direct Trunk - VG - Fixed						$0
Direct Trunk - VG - Per Mile	5.03	4,064	$20,442	3.01	4,064	$12,233
High Caps & Other (ATS-related)						
Direct Transport DS1	12.26	7,812	$95,775	12.26 *	7,812	$95,775
Direct Transport Termination DS1	32.76	1,132	$37,084	32.76 *	1,132	$37,084
Direct Trunk Transport DS3-(PM)	29.80	35	$1,043	29.80 *	35	$1,043
Signalling Interconnection (ATS-related)						
Additional Transport Items to Reach Total			$25,411			$25,411
Switched Transport Revenue		556,224	$556,224		556,224	$9,645,997
Local Switching MOU		331,956,879			331,956,879	
LEC Transport MOU		423,082,855			423,082,855	
Switched TS Rev per MOU	$ 0.00754010			$ 0.00929413		
Switched Transport Rev per LEC Trnsprt MOU	$ 0.00131469			$ 0.02279931		
ATS Rev per MOU	**$ 0.00885479**			**$ 0.03209344**		

* Denotes rates for which no Synthesis Model data is available. Iowa Telecom's actual rates are used as a substitute.

Iowa Telecom Systems Service Group
Estimated Forward Looking Access Cost-Detailed Elements (Excluding Common Line)

Combined Synthesis Model Data for the Iowa Telecom Systems and Iowa Telecom Study Areas

		Total Cost	Units		Cost Per Unit	
End office switching		$ 16,932,145				
	Line Port	$ 5,079,643	150,921	switched lines	$ 2.80	per line/month
	Non-Line Port	$ 11,852,501	1,634,348,852	actual minutes	$ 0.00725	per actual minute
Signaling network elements		$ 1,465,546				
	Links	$ 1,193,501	344	links	$ 289.12	per link per month
	STP	$ 178,125	1,497,212,268	TCAP+ISUP msgs	$ 0.00012	per signaling message
	SCP	$ 93,920	88,242,000	TCAP queries	$ 0.00106	per query
Transport network elements						
Dedicated						
	Sw+Sp Transport	$ 11,012,657	7,636	trunks	$ 120.18	per DS-0 equivalent per month
	Switched	$ 11,012,657	920,386,170	minutes	$ 0.01197	per minute
	Special	$ -	-	trunks		
	Transmission Terminal	$ 1,768,549	7,636	trunks	$ 19.30	per DS-0 equivalent per month
			920,386,170	minutes	$ 0.00192	per minute
					$ 0.01389	total per minute
Common						
	Transport	$ 6,358,113	423,069,075	minutes	$ 0.01503	per minute per leg (orig or term)
	Transmission Terminal	$ 715,085	423,069,075	minutes	$ 0.00169	per minute
					$ 0.01672	total per minute
Direct						
	Transport	$ 9,313,825	314,439,865	minutes	$ 0.02962	per minute
	Transmission Terminal	$ 1,095,064	314,439,865	minutes	$ 0.00348	per minute
					$ 0.03310	total per minute
Tandem switch		$ 1,783,079	143,810,849	minutes	$ 0.01240	per minute

Additional Calculations to Adjust Synthesis Model Outputs to ATS Rate Structure

End office switching						
	Line Port	$ 5,079,643	1,634,348,852	minute	$ 0.003108	per actual minute
Transport network elements						
Common						
ATS-minutes			1,067,192,797			
ATS-minute miles			11,306,696,258			
miles/minute			10.5948			
HCPM minutes			423,069,075			
Equiv HCPM minutes miles			4,482,333,034			
	Transport	$ 6,358,113	4,482,333,034	minute miles	0.00141848	
Direct						
ATS-Direct Trunks-COIT			289			
ATS-Direct Trunk miles-COIT			25,866			
miles/trunk			89.5017			
Transport minutes			314,439,865			
Transport minutes/month			26,203,322			
Trunks @ 10,044 minutes/trunk			2609			
	Transport	$ 9,313,825	2609		297.51	Direct per trunk per month
			89.5017		3.32	per trunk-mile per month
	Transmission Terminal	$ 1,095,064	2609		34.98	Direct per trunk per month

Iowa Telecom Systems Service Group
Calculation of ATS Rates Using July 2001 Tariff Review Plan Data and Synthesis Model Outputs

	July 2001 TRP Filing (2000 data)			Synthesis Model		
	Rates	Units	Revenues	Rates	Units	Revenues
Switched Traffic Sensitive						
Local Switching (ATS-related)						
End Office Switching	0.00615460	407,001,586	$2,504,932	0.00725000	407,001,586	$2,950,761
LS Trunk Ports						
Shared Port	0.00104880	274,750,600	$288,158	0.00310800	274,750,600	$853,925
Dedicated DS-1	11.84	2,224	$26,332	11.84 *	2,224	$26,332
Dedicated Analog	31.00	914	$28,334	19.30	914	$17,640
Info Surcharge						
STP Port						
Additional Switching Items to Reach Total			$0			$0
Switched TS Revenue			$2,847,757			$3,848,659
Switched Transport						
TIC						
Tandem SW Tprt (ATS-related)						
Tandem Termination	0.00018400	648,118,320	$119,254	0.00169000	648,118,320	$1,095,320
Tandem Transport	0.00006120	5,432,046,831	$332,441	0.00141848	5,432,046,831	$7,705,250
Tandem Switch	0.00171660	198,704,471	$341,096	0.01240000	198,704,471	$2,463,935
Dedicated DS1 Port	6.74	27,805	$187,406	6.74 *	27,805	$187,406
Dedicated Voice Port	16.92	1,866	$31,573	19.30	1,866	$36,014
VG: SW (ATS-related)						
Entrance Facility - 2 W-VG	34.01	387	$13,162	34.01 *	387	$13,162
Direct Trunk - VG - Fixed	20.40	289	$5,896	34.98	289	$10,109
Direct Trunk - VG - Per Mile	2.05	25,866	$53,025	3.32	25,866	$85,875
High Caps & Other (ATS-related)						
Direct Transport DS1	13.94	34,000	$473,960	13.94 *	34,000	$473,960
Direct Transport Termination DS1	39.98	712	$28,466	39.98 *	712	$28,466
Direct Trunk Transport DS3-(PM)	78.49	475	$37,283	78.49 *	475	$37,283
Signalling Interconnection (ATS-related)						
Additional Transport Items to Reach Total			$35,832			$35,832
Switched Transport Revenue			$1,659,393			$12,172,611
Local Switching MOU		407,001,586			407,001,586	
LEC Transport MOU		577,968,135			577,968,135	
Switched TS Rev per MOU	$ 0.00699692			$ 0.00945613		
Switched Transport Rev per LEC Trnsprt MOU	$ 0.00287108			$ 0.02106104		
ATS Rev per MOU	**$ 0.00986800**			**$ 0.03051717**		

* Denotes rates for which no Synthesis Model data is available. Iowa Telecom's actual rates are used as a substitute.

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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	43 885 523	14 868	$ 7 648 941	$ -	$ 979 754	$ 176 041	$ 150 521	$ 255 203	$ 141 443	$ 212 689	$ 1 824 051	$ 18 911	$ 2 699 292	$ 2,411 827	$ 624 586	$ 176 298	$ 214 147
5	DLC	19 824 591	15 237	$ 7 304 573	$ -	$ 923 593	$ 143 308	$ 145 432	$ 261 537	$ 142 258	$ 217 947	$ 903 629	$ 17 331	$ 1 383 360	$ 1 237 800	$ 320 564	$ 91 267	$ 109 809
100	DLC	721 001	5 408	$ 1 946 136	$ -	$ 325 853	$ 49 632	$ 48 437	$ 92 826	$ 49 539	$ 77 355	$ 154 307	$ 6 151	$ 246 942	$ 221 299	$ 56 857	$ 16 134	$ 19 494
200	DLC	105 191	795	$ 194 041	$ -	$ 20 990	$ 3 949	$ 6 692	$ 13 663	$ 7 197	$ 11 366	$ 17 187	$ 905	$ 26 533	$ 24 521	$ 6 252	$ 1 814	$ 2 144
650	DLC																	
850	DLC																	
2550	DLC																	
5000	DLC																	
10000	DLC																	
0	non DLC	26 820	-	$ 488 341	$ -	$ 37 500	$ 5 000	$ 605	$ 137	$ 269	$ 114	$ 86 709	$ 9	$ 104 467	$ 98 868	$ 23 832	$ 8 385	$ 8 102
5	non DLC	8 363 630	-	$ 13 383 601	$ -	$ 1 496 586	$ 252 395	$ 222 408	$ 370 052	$ 206 455	$ 308 376	$ 2 944 849	$ 24 521	$ 4 365 209	$ 3 898 412	$ 1 008 038	$ 283 050	$ 344 927
100	non DLC	2 209 519	-	$ 5 543 302	$ -	$ 914 930	$ 132 045	$ 126 538	$ 223 449	$ 121 999	$ 186 207	$ 538 074	$ 14 807	$ 819 537	$ 735 214	$ 190 954	$ 53 754	$ 65 333
200	non DLC	3 394 618	-	$ 10 478 314	$ -	$ 1 608 722	$ 240 988	$ 309 531	$ 604 022	$ 321 072	$ 503 351	$ 824 043	$ 40 025	$ 1 302 282	$ 1,182 737	$ 303 843	$ 86 740	$ 104 209
650	non DLC	158 129	-	$ 509 096	$ -	$ 91 376	$ 18 551	$ 20 267	$ 39 101	$ 20 783	$ 32 584	$ 37 987	$ 2 591	$ 56 851	$ 55 098	$ 13 518	$ 4 734	$ 4 834
850	non DLC	453 599	-	$ 1 648 370	$ -	$ 330 705	$ 56 091	$ 59 838	$ 120 015	$ 63 285	$ 100 012	$ 70 666	$ 7 953	$ 115 968	$ 107 727	$ 27 087	$ 8 035	$ 8,267
2550	non DLC																	
5000	non DLC																	
10000	non DLC																	
Totals/Avgs		79 142 624	36 309	$ 49,144 717	$ -	$ 6 730 000	$ 1,078,000	$ 1,090,266	$ 1,980,005	$ 1,074,300	$ 1 650 001	$ 7,401,282	$ 131,204	$ 11,120 441	$ 9,984,101	$ 2,573,038	$ 731,201	$ 882,195

HAI Model Release FCC - 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	14 868	360	14 508	-	-	-	13 620	$ 36 313	$ 224 087	$ 206 267	$ 1,460 395	$ 4 646 393	$ 6 370 567	$ 99 494	$ 337 118	$ -	$ 468 838	$ -	$ 2,783 291
5	DLC	15 237	1 822	13 415	-	-	-	12 551	$ 32 120	$ 236 417	$ 214 658	$ 699 044	$ 2 241 256	$ 3 061 618	$ 46 470	$ 194 299	$ -	$ 235 983	$ -	$ 1 953 612
100	DLC	5 408	1 686	3 722	-	-	-	3 598	$ 4 849	$ 39 162	$ 34 892	$ 39 593	$ 126 026	$ 172 902	$ 2 475	$ 27 586	$ -	$ 26 438	$ -	$ 178 886
200	DLC	796	278	518	-	-	-	477	$ 703	$ 5 311	$ 4 801	$ 5 395	$ 17 262	$ 23 608	$ 486	$ 5 272	$ -	$ 8 724	$ -	$ 43 987
650	DLC																			
850	DLC																			
2550	DLC																			
5000	DLC																			
10000	DLC																			
0	non DLC	8	-	8	-	-	-	7	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
5	non DLC	21 559	2 376	19 183	-	-	-	18 158	$ 1 386	$ 7 590	$ 7 397	$ 16 311	$ 51 798	$ 71 163	$ 1 079	$ 432 558	$ 426 786	$ -	$ 2 530 285	$ -
100	non DLC	13 018	2 582	10 436	-	-	-	9 818	$ 4 973	$ 29 846	$ 28 482	$ 20 678	$ 65 505	$ 90 129	$ 2 056	$ 145 418	$ 99 871	$ -	$ 814 754	$ -
200	non DLC	35 190	10 536	24 654	-	-	-	23 367	$ 63 209	$ 230 858	$ 210 931	$ 116 535	$ 316 128	$ 432 454	$ 15 673	$ 180 882	$ 165 512	$ -	$ 701 562	$ -
650	non DLC	2 278	804	1 474	-	-	-	1 400	$ 10 266	$ 18 193	$ 16 751	$ 9 065	$ 15 091	$ 20 535	$ 1 596	$ 8 250	$ 10 813	$ -	$ 23 408	$ -
850	non DLC	6 992	2 598	4 394	-	-	-	4 205	$ 4 739	$ 37 398	$ 33 383	$ 13 067	$ 42 230	$ 57 414	$ 861	$ 29 205	$ 17 956	$ -	$ 110 078	$ -
2550	non DLC																			
5000	non DLC																			
10000	non DLC																			
Totals/Avgs		115,354	23,042	92,312	-	-	-	87,189	$ 158,557	$ 828,862	$ 757,564	$ 2,380,084	$ 7,521,689	$ 10,300,391	$ 170,293	$ 1,361,565	$ 720,838	$ 739,783	$ 3,980,086	$ 4,559,867

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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	71	216	152	765	216	126	37,170	$ 5,947	$ 81,774	$ 1,008,347	$ -	166 636 612	8 495 028	181 440 800
5	DLC	53	190	128	729	190	102	36 093	$ 6 095	$ 83 804	$ 410 245	$ -	154 082 585	32 872 058	98 861 984
100	DLC	12	56	34	235	56	27	13 520	$ 2 163	$ 29 744	$ 47,707	$ -	42 750 308	30 418 379	12 017 341
200	DLC	1	6	4	27	6	3	1 990	$ 318	$ 4,378	$ 3 340	$ -	5 949 667	5 015 805	1 428 883
650	DLC												-	-	-
850	DLC												-	-	-
2550	DLC												-	-	-
5000	DLC												-	-	-
10000	DLC												-	-	-
0	non-DLC	1	2	2	4	2	2	20	$ 3	$ 44	$ 86 720	$ -	91 887	-	1 586 247
5	non-DLC	115	325	235	1 093	325	196	53 898	$ 8 624	$ 118 675	$ 1 606 654	$ -	220 332 928	42 867 182	93 564 030
100	non-DLC	40	183	114	747	183	91	32 545	$ 5 207	$ 71 598	$ 158 086	$ -	119 866 250	46 583 781	30 123 805
200	non-DLC	65	344	207	1 506	343	160	87 975	$ 14 076	$ 193 545	$ 172 883	$ -	283 171 978	190 087 809	54 714 487
650	non-DLC	4	25	14	118	25	10	5 895	$ 811	$ 12 529	$ 7 865	$ -	16 930 133	14 505 562	2 758 870
850	non-DLC	9	62	36	297	62	27	17 480	$ 2,797	$ 38,456	$ 11 662	$ -	50 468 795	46 872 449	8 878 280
2550	non-DLC												-	-	-
5000	non-DLC												-	-	-
10000	non-DLC												-	-	-
Totals/Avgs		371	1,409	926	5,522	1,408	743	288,385	$ 46,142	$ 634,447	$ 3,512,319	$ -	1 060 281 148	415,717,852	465,185,826

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density zone (lines/sq mi)	feeder type	feeder pole inv	distribution cable underground	distribution cable buried	distribution cable aerial	distribution conduit	distribution conduit placement	distribution buried placement	distribution poles	calc copper feeder fill	calc distribution fill	calc "maintenance fill"	DLC inv w/site	SAI inv	terminal inv	drop inv	NID inv	feeder distance
0	DLC	$ 1 022 953	$ 62 250	$ 21,307 689	$ 27 367 970	$ 2 380	$ 21 416	$ 22 372 898	$ 14 666 660	77 22%	54 38%	0 00%	$ 15 205 370	$ 109 069	$ 1,442 664	$ 2 844 974	$ 581,243	8 384,111
5	DLC	$ 589 454	$ 1 255 252	$ 10 808 324	$ 12 626 778	$ 41 142	$ 370 277	$ 20 382 280	$ 5 995 810	76 48%	55 52%	0 00%	$ 8 119 075	$ 124 984	$ 1 193 895	$ 1 888 733	$ 957 780	4,455 883
100	DLC	$ 84 087	$ 101 358	$ 565 031	$ 449 331	$ 13 302	$ 119 718	$ 1 788 243	$ 299 063	69 64%	57 92%	0 00%	$ 1 386 401	$ 26 750	$ 207 383	$ 282 803	$ 170 561	263 256
200	DLC	$ 16 195	$ 23 932	$ 63 549	$ 53 947	$ 2 291	$ 20 620	$ 200 661	$ 31 294	61 91%	57 86%	0 00%	$ 195 237	$ 4 271	$ 25 089	$ 31 327	$ 21 054	34 420
650	DLC																	
850	DLC																	
2550	DLC																	
5000	DLC																	
10000	DLC																	
0	non DLC	$ -	$ -	$ 11 878	$ 14 687	$ -		$ 12,391	$ 8 110	70 00%	50 00%	0 00%	$ -	$ 151	$ 758	$ 944	$ 318	-
5	non DLC	$ 1 329 876	$ 483 896	$ 4 571 229	$ 5 020 019	$ 17 760	$ 159 843	$ 8 854 827	$ 2 803 137	77 50%	53 43%	0 00%	$ 94 243	$ 133 652	$ 1 119 741	$ 1 654 958	$ 810 343	104 841
100	non DLC	$ 439 864	$ 254 758	$ 1 467 784	$ 1 160 667	$ 33 264	$ 299 378	$ 4 633 388	$ 763 165	80 40%	55 10%	0 00%	$ -	$ 65 639	$ 535 387	$ 728 747	$ 454 845	135,210
200	non DLC	$ 547 667	$ 783 113	$ 2 639 439	$ 1 894 064	$ 87 385	$ 786 461	$ 7 351 037	$ 1 154 707	82 39%	59 67%	0 00%	$ -	$ 158 039	$ 1 371 031	$ 1 573 118	$ 1 135 862	845,278
650	non DLC	$ 19 322	$ 67 399	$ 110 062	$ 86 776	$ 7 603	$ 68 423	$ 351 590	$ 53 765	82 50%	63 62%	0 00%	$ -	$ 10 781	$ 81 405	$ 84 546	$ 89 678	37 096
850	non DLC	$ 87 525	$ 487 655	$ 269 434	$ 256 712	$ 80 743	$ 726 683	$ 1 115 569	$ 200 493	82 50%	63 81%	0 00%	$ -	$ 30 576	$ 235 090	$ 257 447	$ 210,575	84 382
2550	non DLC																	
5000	non DLC																	
10000	non DLC																	
Totals/Avgs		$ 4,136 943	$ 3,519 610	$ 41,814 418	$ 48 930 951	$ 285 869	$ 2 572 820	$ 67,062,882	$ 25,776,204				$ 26,000,325	$ 663 931	$ 6,212,422	$ 8,323,591	$ 4,012,055	15,849,197

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

$20.00	$ 22,388,868	$ 17,721,806	$ 2,886,810	$ 3,509,931	$ 105,506	$ 385,595	$ -	$ -	$ -	$ 46,998,516
$30.00	$ 20,753,628	$ 14,036,726	$ 1,278,330	$ 648,651	$ -	$ -	$ -	$ -	$ -	$ 36,717,335
$40.00	$ 19,118,388	$ 10,351,646	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 29,470,034
$50.00	$ 17,483,148	$ 6,666,566	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 24,149,714
$60.00	$ 15,847,908	$ 2,981,486	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 18,829,394
$70.00	$ 14,212,668	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 14,212,668
$80.00	$ 12,577,428	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 12,577,428

STATE FUND ANALYSIS *Annual Support for line types:*	Specify	Bench mark										
Primary residence lines	X	$31.00	$ 20,590,104	$ 13,668,218	$ 1,117,482	$ 362,523	$ -	$ -	$ -	$ -	$ -	$ 35,738,327
Secondary residence lines		$31.00	$ 1,343,260	$ 840,772	$ 62,860	$ 20,191	$ -	$ -	$ -	$ -	$ -	$ 2,267,083
Single line business lines	X	$51.00	$ 0	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 0
Multline business lines		$51.00	$ 460,220	$ 892,069	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,352,289
Public lines		$51.00	$ 0	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 0
Support cost if all lines supported			$ 22,393,584	$ 15,401,059	$ 1,180,342	$ 382,714	$ -	$ -	$ -	$ -	$ -	$ 39,357,699
Total annual support for specified lines			$ 20,590,104	$ 13,668,218	$ 1,117,482	$ 362,523	$ -	$ -	$ -	$ -	$ -	$ 35,738,327
@75% State allocation			$ 15,442,578	$ 10,251,163	$ 838,111	$ 271,892	$ -	$ -	$ -	$ -	$ -	$ 26,803,745
@Implied 25% Federal allocation			$ 5,147,526	$ 3,417,054	$ 279,370	$ 90,631	$ -	$ -	$ -	$ -	$ -	$ 8,934,582

TOTAL FUND ANALYSIS										
25% Federal allocation from Federal Fund Analysi	$ 5,147,526	$ 3,417,054	$ 279,370	$ 90,631	$ -	$ -	$ -	$ -	$ -	$ 8,934,582
75% State allocation from State Fund Analysis	$ 15,442,578	$ 10,251,163	$ 838,111	$ 271,892	$ -	$ -	$ -	$ -	$ -	$ 26,803,745
Total Federal + State fund	$ 20,590,104	$ 13,668,218	$ 1,117,482	$ 362,523	$ -	$ -	$ -	$ -	$ -	$ 35,738,327

Module release date 11/4/97

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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	$ 25 692	$ 395 846	$ 3 712 160	$ 3 317 317	$ 859 156	$ 242 769	$ 294 568	$ 35 390	$ 562 035	$ 4 260 768	$ 3 809 016	$ 986 511	$ 278 970	$ 338 232	$ 40 757	$ 778 791	281
5	DLC	$ 13 359	$ 381 778	$ 1 970 463	$ 1 763 670	$ 456 672	$ 130 061	$ 156 573	$ 19 045	$ 557 534	$ 2 447 543	$ 2 192 292	$ 567 412	$ 161 688	$ 194 541	$ 23 711	$ 817 629	264
100	DLC	$ 2 234	$ 92 453	$ 372 262	$ 333 751	$ 85 741	$ 24 324	$ 29 397	$ 3 382	$ 140 834	$ 513 517	$ 460 865	$ 118 368	$ 33 575	$ 40 583	$ 4 707	$ 230 337	77
200	DLC	$ 275	$ 5 155	$ 42 452	$ 39 233	$ 10 003	$ 2 903	$ 3 430	$ 441	$ 6 248	$ 63 678	$ 58 850	$ 15 005	$ 4 354	$ 5 144	$ 661	$ 18 863	9
650	DLC																	
850	DLC																	
2550	DLC																	
5000	DLC																	
10000	DLC																	
0	non DLC	$ 1 232	$ 34 808	$ 125 361	$ 118 642	$ 28 359	$ 11 262	$ 9 723	$ 1 479	$ 41 769	$ 83 574	$ 78 094	$ 18 906	$ 7 508	$ 8 482	$ 898	$ 27 891	2
5	non DLC	$ 39 901	$ 711 916	$ 6 003 236	$ 5 362 024	$ 1 383 673	$ 389 652	$ 474 402	$ 54 902	$ 998 018	$ 6 831 473	$ 6 101 900	$ 1 574 901	$ 443 868	$ 539 968	$ 62 615	$ 1 299 282	418
100	non DLC	$ 8 113	$ 310 372	$ 1 241 223	$ 1 114 073	$ 288 665	$ 81 562	$ 98 971	$ 12 306	$ 475 486	$ 1 692 170	$ 1 521 014	$ 393 755	$ 111 689	$ 135 002	$ 18 875	$ 752 004	244
200	non DLC	$ 12 454	$ 477 496	$ 2 059 727	$ 1 887 472	$ 480 781	$ 137 423	$ 164 839	$ 19 713	$ 754 835	$ 3 061 827	$ 2 807 044	$ 714 834	$ 204 319	$ 245 085	$ 29 382	$ 1 353 073	474
650	non DLC	$ 553	$ 20 576	$ 93 660	$ 92 066	$ 22 265	$ 7 791	$ 7 634	$ 912	$ 34 575	$ 137 634	$ 135 110	$ 32 703	$ 11 369	$ 11 212	$ 1 352	$ 60 562	38
850	non DLC	$ 1 214	$ 89 109	$ 188 891	$ 175 536	$ 44 124	$ 13 097	$ 15 128	$ 1 978	$ 113 158	$ 313 067	$ 291 072	$ 73 140	$ 21 727	$ 25 077	$ 3 280	$ 278 324	88
2550	non DLC																	
5000	non DLC																	
10000	non DLC																	
Totals/Avgs		$ 105,027	$ 2,499,509	$ 15,809,434	$ 14,203,785	$ 3,659,439	$ 1,040,845	$ 1,254,665	$ 149,547	$ 3,664,489	$ 19,405,250	$ 17,456,257	$ 4,495,533	$ 1,278,078	$ 1,541,325	$ 184,256	$ 5,573,757	1,800

	Annual Cost	Units		Unit Cost	
End office switching	$ 12,622,611				
Line Port	3,786,783	115,354	switched lines	$ 2.74	per line/month
Non-Line Port	8,835,828	1,208,104,980	actual minutes	$ 0.00731	per actual minute (for rate per DEM, see "Cost detail" sheet)
Signaling network elements	$ 961,380				
Links	753,504	260	links	$ 241.51	per link per month
STP	136,109	1,057,336,766	TCAP+ISUP msgs	$ 0.00013	per signaling message
SCP	71,767	63,684,600	TCAP queries	$ 0.00113	per query
Transport network elements					
Dedicated					
Sw+Sp Transport	$ 7,559,489	5,522	trunks	$ 114.08	per DS-0 equivalent per month
Switched	7,559,489	5,522	trunks	$ 0.01136	per minute
Special	-	-	trunks		
Transmission Terminal	1,216,149	5,522	trunks	$ 18.35	per DS-0 equivalent per month
				$ 0.00183	per minute
				$ 0.01318	total per minute
Common					
Transport	$ 4,326,539	135,908,447	minutes	$ 0.01327	per minute per leg (orig or term)
Transmission Terminal	545,189	135,908,447	minutes	$ 0.00167	per minute
				$ 0.01494	total per minute
Direct					
Transport	$ 6,153,643	229,086,718	minutes	$ 0.02686	per minute
Transmission Terminal	803,729	229,086,718	minutes	$ 0.00351	per minute
				$ 0.03037	total per minute
Tandem switch	$ 744,973	109,928,910	minutes	$ 0.00678	per minute
Operator systems	$ 2,302,731				
Public Telephones	$ -				
Total (w/ Public)	$ 107,387,333				
Total cost of switched network elements (w/o Public)	$ 77.58	per line/month			

Universal Service Calculation Sheet - monthly costs per line

Iowa
Gte And Contel Of Iowa

			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			$ 147.97	$ 59.14	$ 29.00	$ 23.32	$ 17.33	$ 18.70	$ -	$ -	$ -	$ 51.33
Port			2.77	2.77	2.77	2.77	2.77	2.77	-	-	-	2.77
End office usage			2.98	2.98	2.98	2.98	2.98	2.98	-	-	-	2.98
Signaling			0.21	0.21	0.21	0.21	0.21	0.21	-	-	-	0.21
Transport			3.11	3.11	3.11	3.11	3.11	3.11	-	-	-	3.11
Local retail costs												
Billing/bill inquiries			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Directory listing			-	-	-	-	-	-	-	-	-	-
LNP expense (when available)			-	-	-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-	-	-
Basic Local Service												
Avg monthly cost per line			$ 157.04	$ 68.21	$ 38.07	$ 32.39	$ 26.40	$ 27.76	$ -	$ -	$ -	$ 60.40
@ Residence usage per line			$ 156.91	$ 68.09	$ 37.95	$ 32.27	$ 26.28	$ 27.64	$ -	$ -	$ -	$ 65.07
@ Business usage per line			$ 157.53	$ 68.71	$ 38.56	$ 32.88	$ 26.90	$ 28.26	$ -	$ -	$ -	$ 41.68
Total switched lines			14,876	36,796	18,426	35,986	2,278	6,992	-	-	-	115,354
Primary residence lines			13,627	30,709	13,404	23,844	1,400	4,205	-	-	-	87,189
Secondary residence lines			889	1,889	754	1,328	74	189	-	-	-	5,123
Single line business lines			-	-	-	-	-	-	-	-	-	-
Multline business lines			360	4,198	4,268	10,814	804	2,598	-	-	-	23,042
Public lines			-	-	-	-	-	-	-	-	-	-
FEDERAL FUND ANALYSIS												
Annual Support		Bench										
for line types:	Specify	mark										
Primary residence lines	X	$31.00	$ 20,590,104	$ 13,668,218	$ 1,117,482	$ 362,523	$ -	$ -	$ -	$ -	$ -	$ 35,738,327
Secondary residence lines		$31.00	$ 1,343,260	$ 840,772	$ 62,860	$ 20,191	$ -	$ -	$ -	$ -	$ -	$ 2,267,083
Single line business lines	X	$51.00	$ 0	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 0
Multline business lines		$51.00	$ 460,220	$ 692,069	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,352,289
Public lines		$51.00	$ 0	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 0
Support cost if all lines supported			$ 22,393,584	$ 15,401,059	$ 1,180,342	$ 382,714	$ -	$ -	$ -	$ -	$ -	$ 39,357,699
Total annual support for specified lines			$ 20,590,104	$ 13,668,218	$ 1,117,482	$ 362,523	$ -	$ -	$ -	$ -	$ -	$ 35,738,327
@25% Federal allocation			$ 5,147,526	$ 3,417,054	$ 279,370	$ 90,631	$ -	$ -	$ -	$ -	$ -	$ 8,934,582
@Implied 75% State allocation			$ 15,442,578	$ 10,251,163	$ 838,111	$ 271,892	$ -	$ -	$ -	$ -	$ -	$ 26,803,745

Network-Related Expenses

	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 Capital Cost	$ 90.099	$ 211.958	$ 96.861	$ 179.236	$ 10.795	$ 32.623	$ -	$ -	$ -	$ 621.571	621.571
Network Expenses	$ 13.717	$ 31.759	$ 14.471	$ 26.548	$ 1.601	$ 4.855	$ -	$ -	$ -	$ 92.950	92.950
Direct expense	$ 103.816	$ 243.716	$ 111.332	$ 205.764	$ 12.396	$ 37.478	$ -	$ -	$ -	$ 714.521	714.521
Investment	$ 581.559	$ 1.368.122	$ 625.206	$ 1.156.916	$ 69.678	$ 210.575	$ -	$ -	$ -	$ 4.012.055	4.012.055
Support, Overhead and direct per line	$ 1.413.902	$ 3.497.307	$ 1.751.315	$ 3.420.320	$ 216.514	$ 664.561	$ -	$ -	$ -	$ 10.983.918	10.983.918
Support & Overhead per direct exp	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	-
Total	$ 1.517.717	$ 3.741.023	$ 1.862.646	$ 3.626.103	$ 228.910	$ 702.038	$ -	$ -	$ -	$ 11.878.439	11.878.439
with carrier-to-carrier	$ 1.517.803	$ 3.741.458	$ 1.863.101	$ 3.627.337	$ 229.008	$ 702.322	$ -	$ -	$ -	$ 11.881.027	11.881.027
Distribution (DLC)											
Annual Capital Cost	$ 13.699.044	$ 8.259.580	$ 572.419	$ 67.863	$ -	$ -	$ -	$ -	$ -	$ 22.598.916	22.598.916
Network Expenses	$ 4.258.090	$ 2.525.045	$ 165.546	$ 19.243	$ -	$ -	$ -	$ -	$ -	$ 6.967.924	6.967.924
Direct expense	$ 17.957.134	$ 10.784.834	$ 737.965	$ 87.106	$ -	$ -	$ -	$ -	$ -	$ 29.566.040	29.566.040
Investment	$ 89.286.897	$ 54.360.491	$ 3.806.211	$ 452.711	$ -	$ -	$ -	$ -	$ -	$ 147.906.310	147.906.310
Support, Overhead and direct per line	$ 513.600	$ 1.270.396	$ 636.165	$ 1.242.430	$ 78.649	$ 241.401	$ -	$ -	$ -	$ 3.982.041	3.982.041
Support & Overhead per direct exp	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	-
Total	$ 18.470.733	$ 12.055.030	$ 1.374.130	$ 1.329.537	$ 78.649	$ 241.401	$ -	$ -	$ -	$ 33.549.481	33.549.481
with carrier-to-carrier	$ 18.485.615	$ 12.074.288	$ 1.377.143	$ 1.330.059	$ 78.649	$ 241.401	$ -	$ -	$ -	$ 33.587.155	33.587.155
Distribution (non-DLC)											
Annual Capital Cost	$ 7.480	$ 3.723.169	$ 1.485.387	$ 2.647.356	$ 136.023	$ 528.723	$ -	$ -	$ -	$ 8.526.138	8.526.138
Network Expenses	$ 2.319	$ 1.127.250	$ 430.343	$ 751.095	$ 36.869	$ 120.343	$ -	$ -	$ -	$ 2.468.220	2.468.220
Direct expense	$ 9.799	$ 4.850.419	$ 1.915.730	$ 3.398.452	$ 172.892	$ 649.066	$ -	$ -	$ -	$ 10.996.358	10.996.358
Investment	$ 48.768	$ 24.485.411	$ 9.874.535	$ 17.640.353	$ 911.568	$ 3.629.820	$ -	$ -	$ -	$ 56.590.456	56.590.456
Support, Overhead and direct per line	191015.5085	472479.6032	236599.336	462078.7858	29250.69399	89760.8834	0	0	0	$ 1.481.206	1.481.206
Support & Overhead per direct exp	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	-
Total	$ 200.814	$ 5.322.899	$ 2.152.329	$ 3.860.531	$ 202.143	$ 738.847	$ -	$ -	$ -	$ 12.477.663	12.477.663
with carrier-to-carrier	$ 200.822	$ 5.331.560	$ 2.160.150	$ 3.880.906	$ 203.477	$ 743.755	$ -	$ -	$ -	$ 12.520.670	12.520.670
Distribution (all)											
Annual Capital Cost	$ 13.706.524	$ 11.982.759	$ 2.057.806	$ 2.715.220	$ 136.023	$ 528.723	$ -	$ -	$ -	$ 31.127.054	31.127.054
Network Expenses	$ 4.260.409	$ 3.652.295	$ 595.890	$ 770.339	$ 36.869	$ 120.343	$ -	$ -	$ -	$ 9.436.145	9.436.145
Direct expense	$ 17.966.933	$ 15.635.053	$ 2.653.696	$ 3.485.558	$ 172.892	$ 649.066	$ -	$ -	$ -	$ 40.563.198	40.563.198
Investment	$ 89.337.664	$ 78.845.902	$ 13.680.747	$ 18.093.065	$ 911.568	$ 3.629.820	$ -	$ -	$ -	$ 204.498.766	204.498.766
Support, Overhead and direct per line	$ 704.615	$ 1.742.876	$ 872.764	$ 1.704.509	$ 107.900	$ 331.182	$ -	$ -	$ -	$ 5.463.846	5.463.846
Support & Overhead per direct exp	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	-
Total	$ 18.671.548	$ 17.377.929	$ 3.526.460	$ 5.190.067	$ 280.792	$ 980.249	$ -	$ -	$ -	$ 48.027.044	48.027.044
with carrier-to-carrier	$ 18.686.438	$ 17.405.848	$ 3.537.293	$ 5.210.965	$ 282.126	$ 985.156	$ -	$ -	$ -	$ 48.107.825	48.107.825
Concentrator (DLC)											
Annual Capital Cost	$ 2.619.728	$ 1.580.353	$ 241.466	$ 34.082	$ -	$ -	$ -	$ -	$ -	$ 4.475.629	4.475.629
Network Expenses	$ 310.132	$ 189.286	$ 29.206	$ 4.141	$ -	$ -	$ -	$ -	$ -	$ 532.764	532.764
Direct expense	$ 2.929.860	$ 1.769.639	$ 270.672	$ 38.223	$ -	$ -	$ -	$ -	$ -	$ 5.008.393	5.008.393
Investment	$ 15.314.439	$ 9.244.069	$ 1.413.151	$ 199.508	$ -	$ -	$ -	$ -	$ -	$ 26.171.166	26.171.166
Support, Overhead and direct per line	86999.77402	215195.1926	107761.3496	210458.0444	13322.49833	40891.53132	0	0	0	$ 674.628	674.628
Support & Overhead per direct exp	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	-
Total	$ 3.016.860	$ 1.984.834	$ 378.433	$ 248.681	$ 13.322	$ 40.892	$ -	$ -	$ -	$ 5.683.021	5.683.021
with carrier-to-carrier	$ 3.019.288	$ 1.987.994	$ 379.538	$ 248.910	$ 13.322	$ 40.892	$ -	$ -	$ -	$ 5.689.943	5.689.943
Concentrator (non-DLC)											
Annual Capital Cost	$ 23	$ 36.638	$ 10.169	$ 24.484	$ 1.872	$ 4.737	$ -	$ -	$ -	$ 77.924	77.924
Network Expenses	$ 8	$ 9.267	$ 3.626	$ 8.730	$ 596	$ 1.689	$ -	$ -	$ -	$ 23.916	23.916
Direct expense	$ 32	$ 46.106	$ 13.795	$ 33.214	$ 2.268	$ 6.426	$ -	$ -	$ -	$ 101.840	101.840
Investment	$ 151	$ 227.895	$ 65.639	$ 158.039	$ 10.791	$ 30.576	$ -	$ -	$ -	$ 493.090	493.090
Support, Overhead and direct per line	1769.044303	4375.756533	2191.208008	4279.431856	270.8982874	831.4841199	0	0	0	$ 13.718	13.718
Support & Overhead per direct exp	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	-
Total	$ 1.801	$ 50.482	$ 15.986	$ 37.493	$ 2.539	$ 7.257	$ -	$ -	$ -	$ 115.558	115.558
with carrier-to-carrier	$ 1.801	$ 50.564	$ 16.042	$ 37.692	$ 2.556	$ 7.306	$ -	$ -	$ -	$ 115.962	115.962
Concentrator (all)											
Annual Capital Cost	$ 2.619.751	$ 1.617.191	$ 251.635	$ 58.566	$ 1.872	$ 4.737	$ -	$ -	$ -	$ 4.553.553	4.553.553
Network Expenses	$ 310.140	$ 198.553	$ 32.831	$ 12.870	$ 596	$ 1.689	$ -	$ -	$ -	$ 556.680	556.680
Direct expense	$ 2.929.892	$ 1.815.745	$ 284.467	$ 71.437	$ 2.268	$ 6.426	$ -	$ -	$ -	$ 5.110.233	5.110.233
Investment	$ 15.314.590	$ 9.471.963	$ 1.478.790	$ 357.547	$ 10.791	$ 30.576	$ -	$ -	$ -	$ 26.664.256	26.664.256
Support, Overhead and direct per line	$ 88.769	$ 219.571	$ 109.953	$ 214.737	$ 13.593	$ 41.723	$ -	$ -	$ -	$ 688.346	688.346
Support & Overhead per direct exp	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	-
Total	$ 3.018.660	$ 2.035.316	$ 394.419	$ 286.174	$ 15.861	$ 48.149	$ -	$ -	$ -	$ 5.798.579	5.798.579
with carrier-to-carrier	$ 3.021.088	$ 2.038.558	$ 395.580	$ 286.602	$ 15.879	$ 48.198	$ -	$ -	$ -	$ 5.805.905	5.805.905
Feeder (DLC)											
Annual Capital Cost	$ 2.517.337	$ 1.301.399	$ 106.067	$ 18.865	$ -	$ -	$ -	$ -	$ -	$ 3.943.668	3.943.668
Network Expenses	$ 156.303	$ 92.824	$ 9.807	$ 1.603	$ -	$ -	$ -	$ -	$ -	$ 260.337	260.337
Direct expense	$ 2.673.640	$ 1.394.023	$ 115.875	$ 20.468	$ -	$ -	$ -	$ -	$ -	$ 4.204.006	4.204.006
Investment	$ 17.655.506	$ 9.104.933	$ 736.996	$ 131.743	$ -	$ -	$ -	$ -	$ -	$ 27.629.181	27.629.181
Support, Overhead and direct per line	73026.93335	180633.1702	90454.03832	178656.8448	11182.80144	34324.03321	0	0	0	$ 566.278	566.278
Support & Overhead per direct exp	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	-
Total	$ 2.746.667	$ 1.574.657	$ 206.329	$ 197.125	$ 11.183	$ 34.324	$ -	$ -	$ -	$ 4.770.284	4.770.284
with carrier-to-carrier	$ 2.748.883	$ 1.577.146	$ 206.802	$ 197.247	$ 11.183	$ 34.324	$ -	$ -	$ -	$ 4.775.585	4.775.585
Feeder (non-DLC)											
Annual Capital Cost	$ -	$ 721.840	$ 228.337	$ 438.228	$ 22.516	$ 64.093	$ -	$ -	$ -	$ 1.474.814	1.474.814
Network Expenses	$ -	$ 148.800	$ 43.058	$ 77.183	$ 4.057	$ 11.893	$ -	$ -	$ -	$ 284.991	284.991
Direct expense	$ -	$ 870.440	$ 271.396	$ 515.411	$ 26.573	$ 75.966	$ -	$ -	$ -	$ 1.759.806	1.759.806
Investment	$ -	$ 4.876.226	$ 1.541.676	$ 2.961.393	$ 154.089	$ 433.957	$ -	$ -	$ -	$ 9.967.340	9.967.340
Support, Overhead and direct per line	30569.22667	75613.42191	37864.24916	73948.92382	4681.144013	14368.11181	0	0	0	$ 237.045	237.045
Support & Overhead per direct exp	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	-
Total	$ 30.569	$ 946.053	$ 309.260	$ 589.360	$ 31.254	$ 90.354	$ -	$ -	$ -	$ 1.996.851	1.996.851
with carrier-to-carrier	$ 30.589	$ 947.608	$ 310.368	$ 592.450	$ 31.450	$ 90.928	$ -	$ -	$ -	$ 2.003.383	2.003.383

Loop elements	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
NID										
Annual Cost	$ 1,522,077	$ 3,751,992	$ 1,868,346	$ 3,637,550	$ 229,651	$ 704,299	$ -	$ -	$ -	$ 11,713,914
Unit Cost/month	8.53	8.50	8.45	8.42	8.40	8.39	-	-	-	8.46
Loop Distribution (DLC)										
Annual Cost	$ 18,537,659	$ 12,108,282	$ 1,381,020	$ 1,333,804	$ -	$ -	$ -	$ -	$ -	$ 33,360,765
Unit Cost/month	103.90	66.22	21.28	139.64	-	-	-	-	-	76.57
Loop Distribution (non-DLC)										
Annual Cost	$ 201,388	$ 5,346,570	$ 2,166,232	$ 3,891,832	$ 204,050	$ 745,848	$ -	$ -	$ -	$ 12,555,920
Unit Cost/month	2,097.79	20.67	13.87	9.22	7.46	8.89	-	-	-	13.24
Loop Distribution (all)										
Annual Cost	$ 18,739,047	$ 17,454,852	$ 3,547,252	$ 5,225,636	$ 204,050	$ 745,848	$ -	$ -	$ -	$ 45,916,685
Unit Cost/month	104.97	39.53	16.04	12.10	7.46	8.89	-	-	-	33.17
Loop Concentration (DLC)										
Annual Cost	$ 3,027,788	$ 1,993,591	$ 380,607	$ 249,611	$ -	$ -	$ -	$ -	$ -	$ 5,651,596
Unit Cost/month	16.97	10.90	5.86	26.13	-	-	-	-	-	12.97
Loop Concentration (non-DLC)										
Annual Cost	$ 1,806	$ 50,706	$ 16,088	$ 37,799	$ 2,563	$ 7,327	$ -	$ -	$ -	$ 116,288
Unit Cost/month	18.81	0.20	0.10	0.09	0.09	0.09	-	-	-	0.12
Loop Concentration (all)										
Annual Cost	$ 3,029,594	$ 2,044,297	$ 396,694	$ 287,409	$ 2,563	$ 7,327	$ -	$ -	$ -	$ 5,767,885
Unit Cost/month	16.97	4.63	1.79	0.67	0.09	0.09	-	-	-	4.17
Loop Feeder (DLC)										
Annual Cost	$ 2,756,622	$ 1,581,586	$ 207,384	$ 197,803	$ -	$ -	$ -	$ -	$ -	$ 4,743,395
Unit Cost/month	15.45	8.65	3.20	20.71	-	-	-	-	-	10.89
Loop Feeder (non-DLC)										
Annual Cost	$ 30,655	$ 950,276	$ 311,242	$ 594,118	$ 31,548	$ 91,184	$ -	$ -	$ -	$ 2,009,023
Unit Cost/month	319.33	3.67	1.99	1.41	1.15	1.09	-	-	-	2.12
Loop Feeder (all)										
Annual Cost	$ 2,787,277	$ 2,531,862	$ 518,626	$ 791,921	$ 31,548	$ 91,184	$ -	$ -	$ -	$ 6,752,418
Unit Cost/month	15.61	5.73	2.35	1.83	1.15	1.09	-	-	-	4.88
Total Loop (DLC)										
Annual Cost	$ 25,843,327	$ 17,237,136	$ 2,517,367	$ 1,861,679	$ -	$ -	$ -	$ -	$ -	$ 47,459,509
Unit Cost/month	144.85	94.27	38.79	194.90	-	-	-	-	-	108.93
Total Loop (non-DLC)										
Annual Cost	$ 234,668	$ 8,545,867	$ 3,813,551	$ 8,080,837	$ 467,812	$ 1,548,659	$ -	$ -	$ -	$ 22,691,392
Unit Cost/month	2,444.45	33.03	24.41	19.14	17.11	18.46	-	-	-	23.92
Total Loop (all)										
Annual Cost	$ 26,077,995	$ 25,783,002	$ 6,330,918	$ 9,942,515	$ 467,812	$ 1,548,659	$ -	$ -	$ -	$ 70,150,901
Unit Cost/month	146.09	58.39	28.63	23.02	17.11	18.46	-	-	-	50.68
Total lines	14,876	36,796	18,426	35,986	2,278	6,992	-	-	-	115,354
Total lines served by DLC	14,868	15,237	5,408	796	-	-	-	-	-	36,309

Network-Related Expenses	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-450 lines/sq mi	450-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals	
Tandem Switching											
Annual Capital Cost	$ 54.592	$ 134.227	$ 65.970	$ 125.396	$ 7.972	$ 24.148	$ -	$ -	$ -	$ 412.304	412.304
Network Expenses	$ 31.567	$ 77.747	$ 38.418	$ 73.608	$ 4.673	$ 14.212	$ -	$ -	$ -	$ 240.225	240.225
Direct expense w/ per-line amt	$ 86.159	$ 211.974	$ 104.388	$ 199.003	$ 12.645	$ 38.360	$ -	$ -	$ -	$ 652.529	652.529
Investment	$ 406.466	$ 999.427	$ 491.250	$ 933.908	$ 59.368	$ 179.853	$ -	$ -	$ -	$ 3,070.271	3,070.271
Support expenses	$ 11.606	$ 28.553	$ 14.061	$ 26.806	$ 1.703	$ 5.167	$ -	$ -	$ -	$ 87.896	87.896
Subtotal, with misc sol	$ 97.764	$ 240.527	$ 118.449	$ 225.809	$ 14.348	$ 43.527	$ -	$ -	$ -	$ 740.425	740.425
Total, with var overhead	$ 97.764	$ 240.527	$ 118.449	$ 225.809	$ 14.348	$ 43.527	$ -	$ -	$ -	$ 740.425	740.425
with carrier-to-carrier	$ 97.835	$ 240.906	$ 118.875	$ 227.002	$ 14.446	$ 43.817	$ -	$ -	$ -	$ 742.882	742.882
Operator Systems											
Annual Capital Cost	$ 323.188	$ 874.389	$ 161.789	$ 242.431	$ 13.177	$ 33.850	$ -	$ -	$ -	$ 1,448.804	1,448.804
Network Expenses	$ 110.551	$ 248.822	$ 69.069	$ 111.604	$ 6.381	$ 17.497	$ -	$ -	$ -	$ 569.823	569.823
Direct expense w/ per line amt	$ 439.739	$ 923.191	$ 230.858	$ 354.035	$ 19.558	$ 51.346	$ -	$ -	$ -	$ 2,018.727	2,018.727
Investment	$ 2,282.176	$ 4,785.166	$ 1,148.439	$ 1,725.148	$ 93.945	$ 241.915	$ -	$ -	$ -	$ 10,256.788	10,256.788
Support expenses	$ 59.233	$ 124.353	$ 31.097	$ 47.688	$ 2.634	$ 6.916	$ -	$ -	$ -	$ 271.922	271.922
Subtotal, with misc sol	$ 498.972	$ 1,047.544	$ 261.955	$ 401.723	$ 22.192	$ 58.263	$ -	$ -	$ -	$ 2,290.649	2,290.649
Total, with var overhead	$ 498.972	$ 1,047.544	$ 261.955	$ 401.723	$ 22.192	$ 58.263	$ -	$ -	$ -	$ 2,290.649	2,290.649
with carrier-to-carrier	$ 499.336	$ 1,049.193	$ 262.897	$ 403.846	$ 22.343	$ 58.651	$ -	$ -	$ -	$ 2,296.266	2,296.266
Public Telephone											
Annual Capital Cost	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	-
Network Expenses	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	-
Direct expense w/ per-line amt	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	-
Investment	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	-
Support expenses	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	-
Subtotal, with misc sol	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	-
Total, with var overhead	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	-
with carrier-to-carrier	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	-
Totals											
Annual Capital Cost	$ 24,615.439	$ 28,395.297	$ 6,150.055	$ 8,133.375	$ 398.963	$ 1,247.339	$ -	$ -	$ -	$ 68,940.468	68,940.468
Network Expenses	$ 5,720.312	$ 8,428.740	$ 1,477.695	$ 2,010.410	$ 100.124	$ 315.550	$ -	$ -	$ -	$ 18,053.831	18,053.831
Total	$ 30,335.752	$ 34,825.037	$ 7,627.751	$ 10,143.784	$ 499.087	$ 1,562.889	$ -	$ -	$ -	$ 84,994.299	84,994.299
Investment	$ 183,037.047	$ 192,426.014	$ 42,141.148	$ 58,143.469	$ 2,759.870	$ 8,678.280	$ -	$ -	$ -	$ 485,185.828	485,185.828
Supporting Network Expenses											
Capital Cost - Genl Support	$ 1,566.380	$ 1,848.735	$ 404.872	$ 539.399	$ 26.515	$ 83.377	$ -	$ -	$ -	$ 4,469.278	4,469.278
Network Operations	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ -	$ -	$ -	$ 0	0
Network Support	$ 120.481	$ 138.311	$ 30.294	$ 40.287	$ 1.982	$ 6.207	$ -	$ -	$ -	$ 337.562	337.562
Other Taxes	$ 1,719.584	$ 1,976.720	$ 432.959	$ 575.823	$ 28.330	$ 88.733	$ -	$	$	$ 4,822.150	4,822.150
Misc Expenses	$ 649.481	$ 745.595	$ 163.308	$ 217.176	$ 10.685	$ 33.461	$ -	$	$	$ 1,819.706	1,819.706
Subtotal	$ 4,055.926	$ 4,709.361	$ 1,031.433	$ 1,372.685	$ 67.513	$ 211.778	$ -	$	$ -	$ 11,448.898	11,448.898
Carrier-carrier customer svc	$ 25.140	$ 62.185	$ 31.140	$ 60.816	$ 3.850	$ 11.816	$ -	$	$ -	$ 194.948	194.948
Interoffice/Switching Net Ops	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$	$ -	$ -	-
Interoffice/Sw Exp	$ 6,221.733	$ 13,942.869	$ 3,960.128	$ 5,491.092	$ 285.400	$ 742.587	$ -	$ -	$ -	$ 30,623.808	30,623.808
Total Network Costs	$ 34,391.677	$ 39,534.397	$ 8,659.184	$ 11,516.469	$ 566.600	$ 1,774.667	$ -	$	$ -	$ 98,442.995	98,442.995
Other costs											
Other Taxes	$ 1,719.584	$ 1,976.720	$ 432.959	$ 575.823	$ 28.330	$ 88.733	$ -	$ -	$	$ 4,822.150	4,822.150
Monthly Cost Factors											
Loop	0.01791	0.02099	0.02958	0.03694	0.03445	0.03036	-	-	-	0.02171	0
Port	0.00442	0.00434	0.00573	0.00795	0.01020	0.00952	-	-	-	0.00561	0
Switching	0.00474	0.00466	0.00615	0.00853	0.01095	0.01022	-	-	-	0.00603	0
Signaling	0.00280	0.00337	0.01085	0.01600	0.01809	0.02114	-	-	-	0.00548	0
Transport	0.00189	0.00197	0.00420	0.00599	0.00811	0.01073	-	-	-	0.00297	0
Billing/Bill Inquiries (per line)	-	-		-	-	-	-	-	-	-	-
Directory Listing (per line)	-	-		-	-	-	-	-	-	-	-
LNP Expense (per line)	-	-		-	-	-	-	-	-	-	-
Inverse Carrier to Carrier Expense Factors	99.9270%	99.8429%	99.6415%	99.4744%	99.3248%	99.3381%	0.0000%	0.0000%	0.0000%	99.7837%	

		interconnected at end office		interconnected at tandem		wtd average
Local Interconnection						
EO switching	$	0 00731	$	0 00731		
ISUP	$	0 00101	$	0 00101		
Common Transport	$	-	$	0 01494		
Tandem Switching	$	-	$	0 00678		
TOTAL	$	0 00832	$	0 03004	n/a	
IXC switched access						
EO switching	$	0 00731	$	0 00731		
ISUP	$	0 00101	$	0 00101		
Dedicated Transport	$	0 01318	$	0 01318		
Common Transport	$	-	$	0 01494		
Tandem Switching	$	-	$	0 00678		
TOTAL	$	0 02150	$	0 04322	$	0 02585

Signaling detail		
cost per 800 call attempt (TCAP)	$	0 0025
ISUP cost/transaction	$	0 00532
ISUP cost/completion		0 0076
IXC switched access MOU/comp		7 56
ISUP cost/min	$	0 001006
D link per month	$	323 13

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		8,835,828
Total DEMs		1,475,999,000
Cost per DEM	$	0 00599

Dedicated Transport Costs Per Trunk		
DS-0 per month		
Transport per month	$	114 08
Terminal per month *	$	227 58
TOTAL	$	341 66
DS-1 per month		
Transport per month	$	2,737 95
Terminal per month	$	440 47
TOTAL	$	3,178 43
DS-3 per month		
Transport per month	$	76,662 69
Terminal per month	$	1,245 79
TOTAL	$	77,908 48
Trunk Port Costs		
per trunk port (DS-0 equivalent) per month	$	2 14
per trunk port minute	$	0 000213
total EO usage per minute	$	0 007314
trk port/min	$	0 000213
other	$	0 007101

	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)	54 4%	55 5%	57 9%	57 7%	0.0%	0 0%	0 0%	0 0%	0 0%	55 5%
calculated distribution fill (non-DLC)	50 0%	53 4%	55 1%	59 7%	63 6%	63 8%	0 0%	0 0%	0 0%	57 7%
weighted average										57 0%

Per DS0 Transport Calculations		
Entrance Facility Investment per Line	$	6
Total Dedicated Terminal Investment		5,573,757
Total Lines		115,354
Total Dedicated Terminal Investment per line	$	48
Entrance Facility percent to total	$	0
Terminal Investment per DS-0	$	891
Transport Investment per DS-0	$	8,034

Exp Assignment

	Total Annual Amount	Amount Assigned to Loops	Amount Assigned to Other UNEs		
General Support - Totals					
Furniture - Capital Costs	$ 177,011	$ 109,029	$ 67,982		
Furniture - Expenses	$ 114,498	$ 70,525	$ 43,974		
Office Equipment - Capital Costs	$ 620,563	$ 382,232	$ 238,331		
Office Equipment - Expenses	$ 335,336	$ 206,549	$ 128,788		$ 4,469,278
General Purpose Computer - Capital Costs	$ 624,385	$ 384,586	$ 239,799		$ 2,157,268
General Purpose Computer - Expenses	$ 240,531	$ 148,154	$ 92,377		
Motor Vehicles - Capital Costs	$ 798,063	$ 491,563	$ 306,501		
Motor Vehicles - Expenses	$ 179,302	$ 110,440	$ 68,862		
Buildings - Capital Costs	$ 1,668,807	$ 1,027,892	$ 640,915		
Buildings - Expenses	$ 1,129,341	$ 695,611	$ 433,730		
Garage Work Eqpt. - Capital Costs	$ 6,045	$ 3,723	$ 2,322		
Garage Work Eqpt. - Expenses	$ 1,494	$ 920	$ 574		
Other Work Eqpt. - Capital Costs	$ 574,404	$ 353,801	$ 220,603		
Other Work Eqpt. - Expenses	$ 156,766	$ 96,559	$ 60,207		
Total General Support	$ 6,626,546	$ 4,081,584	$ 2,544,962		
Network Operations	$ 0	$ 0	$ 0		
Other Taxes Calculation					
Total Direct Costs	$ 84,994,299	$ 52,351,764	$ 32,642,535	$ 84,994,299	
Total Network Operations	$ 0	$ 0	$ 0	$ 0	
Total General Support	$ 6,626,546	$ 4,081,584	$ 2,544,962	$ 6,979,418	
Total	$ 91,620,845	$ 56,433,348	$ 35,187,497		
Other Taxes	$ 4,822,150	$ 2,970,176	$ 1,851,974	$ 11,801,568	
Total Expenses and Other Taxes	$ 96,442,995	$ 59,403,524	$ 37,039,471		
Variable Overhead Calculation					
Variable Overhead	$ -	$ -	$ -		
Total Cost with Variable Overhead	96,442,995	59,403,524	37,039,471		

Network-Related Expenses	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	2550-8000 lines/sq mi	8000-10000 lines/sq mi	>10000 lines/sq mi	Totals	
Feeder (all)											
Annual Capital Cost	$ 2,517,337	$ 2,023,039	$ 334,405	$ 457,094	$ 22,610	$ 64,093	$ -	$ -	$ -	$ 5,418,483	5,418,483
Network Expenses	$ 156,303	$ 241,425	$ 52,866	$ 78,785	$ 4,057	$ 11,893	$ -	$ -	$ -	$ 545,329	545,329
Direct expense	$ 2,673,640	$ 2,264,463	$ 387,271	$ 535,879	$ 26,573	$ 75,986	$ -	$ -	$ -	$ 5,963,812	5,963,812
Investment	$ 17,655,508	$ 13,981,159	$ 2,278,673	$ 3,113,136	$ 154,089	$ 433,957	$ -	$ -	$ -	$ 37,616,521	37,616,521
Support Overhead and direct per line	$ 103,596	$ 256,247	$ 128,318	$ 250,606	$ 15,864	$ 48,692	$ -	$ -	$ -	$ 803,323	803,323
Support & Overhead per direct exp	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	-
Total	$ 2,777,236	$ 2,520,710	$ 515,589	$ 786,485	$ 42,437	$ 124,678	$ -	$ -	$ -	$ 6,767,135	6,767,135
with carrier-to-carrier	$ 2,779,452	$ 2,524,753	$ 517,170	$ 789,698	$ 42,642	$ 125,252	$ -	$ -	$ -	$ 6,778,967	6,778,967
End Office Switching											
Annual Capital Cost	$ 1,263,969	$ 3,180,987	$ 1,206,534	$ 1,698,534	$ 83,949	$ 275,841	$ -	$ -	$ -	$ 7,709,833	7,709,833
Network Expenses	$ 546,224	$ 1,373,668	$ 530,326	$ 743,168	$ 36,886	$ 121,941	$ -	$ -	$ -	$ 3,352,013	3,352,013
Direct expense w/ per-line amt	$ 1,810,212	$ 4,554,655	$ 1,736,860	$ 2,441,703	$ 120,835	$ 397,782	$ -	$ -	$ -	$ 11,061,846	11,061,846
Investment	$ 9,335,577	$ 23,504,056	$ 8,911,898	$ 12,546,993	$ 619,025	$ 2,035,167	$ -	$ -	$ -	$ 56,952,717	56,952,717
Support expenses	$ 243,835	$ 613,510	$ 233,954	$ 328,896	$ 16,250	$ 53,581	$ -	$ -	$ -	$ 1,490,026	1,490,026
Subtotal, with misc spt	$ 2,054,047	$ 5,168,165	$ 1,970,814	$ 2,770,599	$ 136,885	$ 451,363	$ -	$ -	$ -	$ 12,551,872	12,551,872
Total, with var overhead	$ 2,054,047	$ 5,168,165	$ 1,970,814	$ 2,770,599	$ 136,885	$ 451,363	$ -	$ -	$ -	$ 12,551,872	12,551,872
with carrier-to-carrier	$ 2,055,547	$ 5,176,298	$ 1,977,904	$ 2,785,238	$ 137,815	$ 454,370	$ -	$ -	$ -	$ 12,587,173	12,587,173
Signaling											
Annual Capital Cost	$ 172,231	$ 328,392	$ 50,270	$ 65,864	$ 3,672	$ 9,585	$ -	$ -	$ -	$ 630,015	630,015
Network Expenses	$ 56,190	$ 108,190	$ 18,161	$ 25,274	$ 1,443	$ 3,897	$ -	$ -	$ -	$ 213,155	213,156
Direct expense w/ per line amt	$ 228,421	$ 436,582	$ 88,431	$ 91,138	$ 5,115	$ 13,483	$ -	$ -	$ -	$ 843,170	843,170
Investment	$ 1,218,035	$ 2,325,985	$ 361,472	$ 478,605	$ 26,600	$ 70,395	$ -	$ -	$ -	$ 4,481,292	4,481,292
Support expenses	$ 30,768	$ 58,807	$ 9,218	$ 12,276	$ 688	$ 1,816	$ -	$ -	$ -	$ 113,575	113,575
Subtotal, with misc spt	$ 259,189	$ 495,390	$ 77,649	$ 103,414	$ 5,804	$ 15,299	$ -	$ -	$ -	$ 956,745	956,745
Total, with var overhead	$ 259,189	$ 495,390	$ 77,649	$ 103,414	$ 5,804	$ 15,299	$ -	$ -	$ -	$ 956,745	956,745
with carrier-to-carrier	$ 259,378	$ 496,169	$ 77,928	$ 103,961	$ 5,844	$ 15,401	$ -	$ -	$ -	$ 958,681	958,681
Dedicated Transport											
Annual Capital Cost	$ 1,404,725	$ 2,998,526	$ 714,622	$ 1,021,888	$ 48,711	$ 103,095	$ -	$ -	$ -	$ 6,287,565	6,287,565
Network Expenses	$ 78,065	$ 182,200	$ 38,680	$ 55,259	$ 2,541	$ 5,580	$ -	$ -	$ -	$ 340,325	340,325
Direct expense, w/ per-line amt	$ 1,480,790	$ 3,158,726	$ 753,302	$ 1,077,145	$ 49,252	$ 108,874	$ -	$ -	$ -	$ 6,627,889	6,627,889
Investment	$ 9,910,814	$ 21,141,911	$ 5,042,066	$ 7,210,164	$ 329,381	$ 727,363	$ -	$ -	$ -	$ 44,361,699	44,361,699
Support expenses	$ 199,462	$ 425,479	$ 101,469	$ 145,091	$ 6,634	$ 14,638	$ -	$ -	$ -	$ 892,774	892,774
Subtotal, with misc spt	$ 1,680,251	$ 3,584,205	$ 854,771	$ 1,222,236	$ 55,886	$ 123,313	$ -	$ -	$ -	$ 7,520,663	7,520,663
Total, with var overhead	$ 1,680,251	$ 3,584,205	$ 854,771	$ 1,222,236	$ 55,886	$ 123,313	$ -	$ -	$ -	$ 7,520,663	7,520,663
with carrier-to-carrier	$ 1,681,478	$ 3,589,846	$ 857,847	$ 1,228,694	$ 56,266	$ 124,135	$ -	$ -	$ -	$ 7,538,266	7,538,266
Dedicated Transport Transmission											
Annual Capital Cost	$ 138,087	$ 362,369	$ 168,156	$ 234,503	$ 11,907	$ 39,084	$ -	$ -	$ -	$ 954,107	954,107
Network Expenses	$ 16,134	$ 42,338	$ 19,647	$ 27,399	$ 1,391	$ 4,566	$ -	$ -	$ -	$ 111,475	111,475
Direct expense w/ per line amt	$ 154,220	$ 404,708	$ 187,802	$ 261,902	$ 13,299	$ 43,651	$ -	$ -	$ -	$ 1,065,582	1,065,582
Investment	$ 806,682	$ 2,116,911	$ 982,341	$ 1,369,936	$ 69,562	$ 228,324	$ -	$ -	$ -	$ 5,573,757	5,573,757
Support expenses	$ 20,773	$ 54,514	$ 25,297	$ 35,278	$ 1,791	$ 5,880	$ -	$ -	$ -	$ 143,533	143,533
Subtotal, with misc spt	$ 174,994	$ 459,221	$ 213,099	$ 297,180	$ 15,090	$ 49,530	$ -	$ -	$ -	$ 1,209,115	1,209,115
Total, with var overhead	$ 174,994	$ 459,221	$ 213,099	$ 297,180	$ 15,090	$ 49,530	$ -	$ -	$ -	$ 1,209,115	1,209,115
with carrier-to-carrier	$ 175,121	$ 459,944	$ 213,866	$ 298,750	$ 15,193	$ 49,860	$ -	$ -	$ -	$ 1,212,735	1,212,735
Direct Transport											
Annual Capital Cost	$ 1,241,090	$ 2,574,503	$ 522,372	$ 687,160	$ 31,814	$ 62,188	$ -	$ -	$ -	$ 5,119,127	5,119,127
Network Expenses	$ 67,215	$ 139,351	$ 28,273	$ 37,160	$ 1,731	$ 3,366	$ -	$ -	$ -	$ 277,095	277,095
Direct expense w/ per line amt	$ 1,308,305	$ 2,713,854	$ 550,644	$ 724,320	$ 33,545	$ 65,554	$ -	$ -	$ -	$ 5,396,223	5,396,223
Investment	$ 8,756,185	$ 18,164,375	$ 3,685,656	$ 4,848,417	$ 224,328	$ 438,754	$ -	$ -	$ -	$ 36,117,715	36,117,715
Support expenses	$ 176,228	$ 365,555	$ 74,172	$ 97,566	$ 4,519	$ 8,830	$ -	$ -	$ -	$ 726,869	726,869
Subtotal, with misc spt	$ 1,484,534	$ 3,079,409	$ 624,816	$ 821,886	$ 38,064	$ 74,384	$ -	$ -	$ -	$ 6,123,091	6,123,091
Total, with var overhead	$ 1,484,534	$ 3,079,409	$ 624,816	$ 821,886	$ 38,064	$ 74,384	$ -	$ -	$ -	$ 6,123,091	6,123,091
with carrier-to-carrier	$ 1,485,618	$ 3,084,255	$ 627,064	$ 826,228	$ 38,322	$ 74,879	$ -	$ -	$ -	$ 6,136,367	6,136,367
Direct Transport Transmission											
Annual Capital Cost	$ 103,358	$ 265,934	$ 105,501	$ 130,623	$ 5,919	$ 19,370	$ -	$ -	$ -	$ 630,705	630,705
Network Expenses	$ 12,076	$ 31,071	$ 12,326	$ 15,262	$ 692	$ 2,263	$ -	$ -	$ -	$ 73,690	73,690
Direct expense w/ per-line amt	$ 115,434	$ 297,005	$ 117,827	$ 145,885	$ 6,610	$ 21,633	$ -	$ -	$ -	$ 704,394	704,394
Investment	$ 603,804	$ 1,553,550	$ 616,320	$ 763,082	$ 34,575	$ 113,156	$ -	$ -	$ -	$ 3,684,489	3,684,489
Support expenses	$ 15,549	$ 40,006	$ 15,871	$ 19,651	$ 890	$ 2,914	$ -	$ -	$ -	$ 94,882	94,882
Subtotal, with misc spt	$ 130,983	$ 337,012	$ 133,698	$ 165,535	$ 7,500	$ 24,547	$ -	$ -	$ -	$ 799,276	799,276
Total, with var overhead	$ 130,983	$ 337,012	$ 133,698	$ 165,535	$ 7,500	$ 24,547	$ -	$ -	$ -	$ 799,276	799,276
with carrier-to-carrier	$ 131,079	$ 337,542	$ 134,179	$ 166,410	$ 7,551	$ 24,711	$ -	$ -	$ -	$ 801,472	801,472
Common Transport											
Annual Capital Cost	$ 906,751	$ 1,855,827	$ 345,180	$ 434,242	$ 19,314	$ 38,172	$ -	$ -	$ -	$ 3,599,485	3,599,485
Network Expenses	$ 49,109	$ 100,448	$ 18,682	$ 23,482	$ 1,051	$ 2,068	$ -	$ -	$ -	$ 194,837	194,837
Direct expense w/ per line amt	$ 955,860	$ 1,956,274	$ 363,862	$ 457,723	$ 20,365	$ 40,238	$ -	$ -	$ -	$ 3,794,322	3,794,322
Investment	$ 6,397,331	$ 13,093,794	$ 2,435,463	$ 3,063,903	$ 136,184	$ 269,317	$ -	$ -	$ -	$ 25,395,992	25,395,992
Support expenses	$ 128,754	$ 263,509	$ 49,012	$ 61,655	$ 2,743	$ 5,420	$ -	$ -	$ -	$ 511,094	511,094
Subtotal, with misc spt	$ 1,084,614	$ 2,219,783	$ 412,874	$ 519,378	$ 23,108	$ 45,658	$ -	$ -	$ -	$ 4,305,416	4,305,416
Total, with var overhead	$ 1,084,614	$ 2,219,783	$ 412,874	$ 519,378	$ 23,108	$ 45,658	$ -	$ -	$ -	$ 4,305,416	4,305,416
with carrier-to-carrier	$ 1,085,406	$ 2,223,277	$ 414,359	$ 522,123	$ 23,265	$ 45,962	$ -	$ -	$ -	$ 4,314,392	4,314,392
Common Transport Transmission											
Annual Capital Cost	$ 73,719	$ 187,217	$ 68,955	$ 82,619	$ 3,522	$ 11,830	$ -	$ -	$ -	$ 427,862	427,862
Network Expenses	$ 8,613	$ 21,874	$ 8,057	$ 9,653	$ 412	$ 1,382	$ -	$ -	$ -	$ 49,990	49,990
Direct expense w/ per line amt	$ 82,332	$ 209,091	$ 77,011	$ 92,272	$ 3,934	$ 13,212	$ -	$ -	$ -	$ 477,852	477,852
Investment	$ 430,654	$ 1,093,694	$ 402,825	$ 482,651	$ 20,576	$ 69,109	$ -	$ -	$ -	$ 2,499,509	2,499,509
Support expenses	$ 11,090	$ 28,164	$ 10,373	$ 12,429	$ 530	$ 1,780	$ -	$ -	$ -	$ 64,366	64,366
Subtotal, with misc spt	$ 93,422	$ 237,255	$ 87,385	$ 104,702	$ 4,464	$ 14,992	$ -	$ -	$ -	$ 542,218	542,218
Total, with var overhead	$ 93,422	$ 237,255	$ 87,385	$ 104,702	$ 4,464	$ 14,992	$ -	$ -	$ -	$ 542,218	542,218
with carrier-to-carrier	$ 93,490	$ 237,628	$ 87,699	$ 105,255	$ 4,494	$ 15,092	$ -	$ -	$ -	$ 543,658	543,658

Use this sheet to enter per-loop expense amounts for each expense category. An amount may be entered for any blue input field. Any amount entered in the general support, network operations, other taxes, or variable overhead categories will be assigned to the "NID" network element on a per-line basis, ensuring that all loops receive the same amount. Please note that all blue input fields are per-loop, annual amounts. The total annual amount in each density zone is calculated by the worksheet.

Per-Loop Expense Amounts

	0-5 Housing unit	5-100 Housing unit	100-200 Housing unit	200-500 Housing unit	500-850 Housing unit	850-2500 Housing unit	2500-5000 Housing unit	5000-10000 Housing unit	>10000 Housing unit	Totals
General Support										
Furniture - Capital Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Furniture - Expenses	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Office Equipment - Capital Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Office Equipment - Expenses	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
General Purpose Computer - Capital Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
General Purpose Computer - Expenses	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Motor Vehicles - Capital Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Motor Vehicles - Expenses	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Business - Capital Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Business - Expenses	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Garage Work Equip. - Capital Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Garage Work Equip. - Expenses	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Other Work Equip. - Capital Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Other Work Equip. - Expenses	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Total General Support	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Network Operations	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Other Taxes	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Variable Overhead	$4.21149	$4.21149	$4.21149	$4.21149	$4.21149	$4.21149	$4.21149	$4.21149	$4.21149	$ 848
Totals	$ 94	$ 94	$ 94	$ 94	$ 94	$ 94	$ 94	$ 94	$ 94	$ 848
NID										
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ 1,401,490	$ 3,466,606	$ 1,735,941	$ 3,380,295	$ 214,614	$ 658,727	$ -	$ -	$ -	$ 10,867,672
Distribution - Copper Feeder										
buried cable										
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
aerial cable										
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
underground cable										
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
buried trenching										
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
conduit										
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
underground trenching										
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
poles										
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
terminal										
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
drop										
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Distribution - Fiber Feeder										
buried cable										
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
aerial cable										
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
underground cable										
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
buried trenching										
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
conduit										
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
underground trenching										
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
poles										
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
terminal										
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
drop										
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Concentrator - non-DLC										
DLC										
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SAI										
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Concentrator - DLC										
DLC										
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SAI										
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

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	$ 109,029	100%	0%	$ 109,029	$ -
Furniture - Expenses	$ 70,525	100%	0%	$ 70,525	$ -
Office Equipment - Capital Costs	$ 382,232	100%	0%	$ 382,232	$ -
Office Equipment - Expenses	$ 206,549	100%	0%	$ 206,549	$ -
General Purpose Computer - Capital Costs	$ 384,586	100%	0%	$ 384,586	$ -
General Purpose Computer - Expenses	$ 148,154	100%	0%	$ 148,154	$ -
Motor Vehicles - Capital Costs	$ 491,563	100%	0%	$ 491,563	$ -
Motor Vehicles - Expenses	$ 110,440	100%	0%	$ 110,440	$ -
Buildings - Capital Costs	$ 1,027,892	100%	0%	$ 1,027,892	$ -
Buildings - Expenses	$ 695,611	100%	0%	$ 695,611	$ -
Garage Work Eqpt. - Capital Costs	$ 3,723	100%	0%	$ 3,723	$ -
Garage Work Eqpt. - Expenses	$ 920	100%	0%	$ 920	$ -
Other Work Eqpt. - Capital Costs	$ 353,801	100%	0%	$ 353,801	$ -
Other Work Eqpt. - Expenses	$ 96,559	100%	0%	$ 96,559	$ -
Total General Support	$ 4,081,584			$ 4,081,584	$ -
Network Operations	$ 0	100%	0%	$ 0	$ -
Other Taxes	$ 2,970,176	100%	0%	$ 2,970,176	$ -
Variable Overhead	$ -	100%	0%	$ -	$ -
Totals	$ 7,051,760			$ 7,051,760	$ -

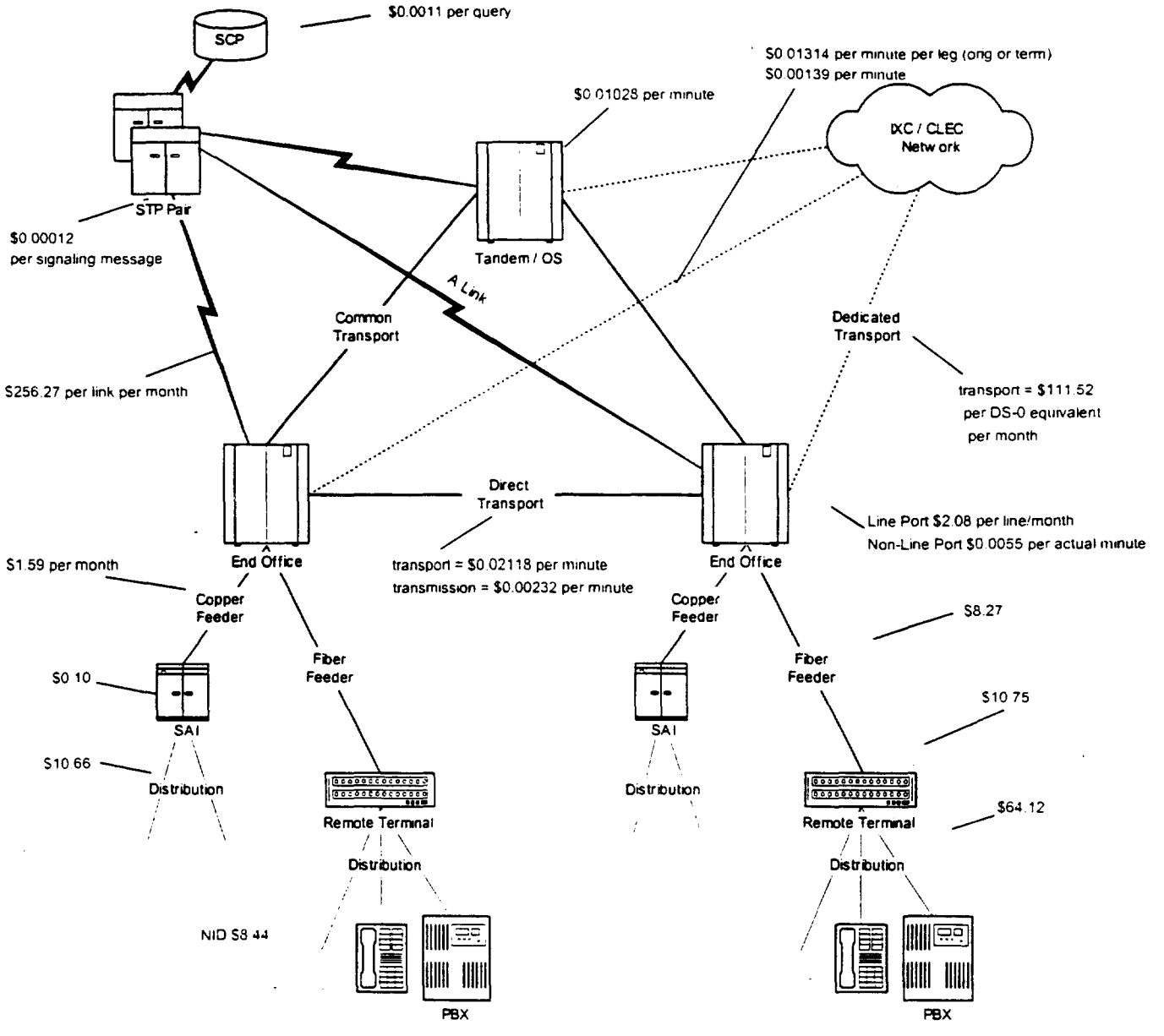
	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Direct Costs										
Loop-related direct costs	$ 23,674,280	$ 19,958,977	$ 3,436,764	$ 4,298,657	$ 214,129	$ 768,956	$ -	$ -	$ -	$ 52,351,764
Non-Loop-related direct costs	$ 6,661,472	$ 14,866,059	$ 4,190,986	$ 5,845,127	$ 284,958	$ 793,933	$ -	$ -	$ -	$ 32,842,535
Total	$ 30,335,752	$ 34,825,037	$ 7,627,751	$ 10,143,784	$ 499,087	$ 1,562,889	$ -	$ -	$ -	$ 84,994,299
Loop Fraction	78.04%	57.31%	45.06%	42.38%	42.90%	49.20%	0.00%	0.00%	0.00%	61.59%
Network Operations	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ -	$ -	$ -	$ 0

Dedicated Transport												
underground cable												
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
buried cable												
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
aerial cable												
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
poles												
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
conduit												
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
manholes												
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Dedicated Transport Transmission												
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Direct Transport												
underground cable												
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
buried cable												
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
aerial cable												
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
poles												
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
conduit												
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
manholes												
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Direct Transport Transmission												
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Common Transport												
underground cable												
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
buried cable												
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
aerial cable												
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
poles												
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
conduit												
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
manholes												
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Common Transport Transmission												
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Tandem Switching												
tandem switching												
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
wire center												
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Operator Systems												
OS Tandem Switching												
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
OS Tandem Wire Center												
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
OS Trunks												
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
OS Peaken												
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Public Telephone												
Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	

UNE Expense Asssignment			Totals
NID			
	per line cost	$	96,246
	per direct cost	$	-
	total	$	96,246
Distribution (DLC)			
	per line cost	$	3,982,641
	per direct cost	$	-
	total	$	3,982,641
Distribution (non-DLC)			
	per line cost	$	1,481,205
	per direct cost	$	-
	total	$	1,481,205
Concentrator (DLC)			
	per line cost	$	674,628
	per direct cost	$	-
	total	$	674,628
Concentrator (non-DLC)			
	per line cost	$	13,718
	per direct cost	$	-
	total	$	13,718
Feeder (DLC)			
	per line cost	$	566,278
	per direct cost	$	-
	total	$	566,278
Feeder (non-DLC)			
	per line cost	$	237,045
	per direct cost	$	-
	total	$	237,045
End Office Switching		$	12,551,872
Signaling		$	956,745
Dedicated Transport		$	7,520,663
Dedicated Transport Transmission		$	1,209,115
Direct Transport		$	6,123,091
Direct Transport Transmission		$	799,276
Common Transport		$	4,305,416
Common Transport Transmission		$	542,218
Tandem Switching		$	740,425
Operator Systems		$	2,290,649
Public Telephone		$	-

Unbundled Network Elements

Iowa / Contel Of Ks Inc - Iowa



Feeder - Copper												
	copper u/g cable											
		Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
		Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	copper buried cable											
		Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
		Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	copper aerial cable											
		Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
		Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	fiber u/g cable											
		Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
		Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	fiber buried cable											
		Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
		Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	fiber aerial cable											
		Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
		Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	conduit											
		Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
		Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	manholes											
		Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
		Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	copper u/g placement											
		Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
		Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	fiber u/g placement											
		Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
		Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	copper buried placement											
		Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
		Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	fiber buried placement											
		Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
		Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	poles											
		Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
		Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
		Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Feeder - Fiber												
	copper u/g cable											
		Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
		Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	copper buried cable											
		Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
		Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	copper aerial cable											
		Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
		Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	fiber u/g cable											
		Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
		Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	fiber buried cable											
		Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
		Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	fiber aerial cable											
		Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
		Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	conduit											
		Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
		Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	manholes											
		Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
		Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	copper u/g placement											
		Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
		Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	fiber u/g placement											
		Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
		Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	copper buried placement											
		Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
		Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	fiber buried placement											
		Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
		Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	poles											
		Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
		Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
		Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
End Office Switching												
	end office switching											
		Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
		Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	MDF/protector											
		Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
		Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	wire center											
		Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
		Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	land											
		Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
		Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Total Per-Loop Amount		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Signaling												
	SCP											
		Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
		Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	SCP wire center											
		Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
		Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	STP											
		Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
		Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	signaling links											
		Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
		Total Per-Loop Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Total Per-Loop Amount		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

USOA	Depreciation Calculations		
	DepLife	DepFact	Dep Exp
2111			
2112	9.19	0.18148	396
2113			
2114			
2115	11.57	0.16498	3
2116	13.26	0.14940	285
2121	47.71	0.13388	1,531
2122	16.59	0.14006	88
2123.1	11.24	0.16766	308
2123.2	7.59	0.20537	-
2124	6.26	0.23519	310
2110			
2212	16.43	0.13504	3,365
2220	9.37	0.17948	25
2232	10.18	0.17118	3,232
2351	8.01	0.19833	-
2411	15.92	0.16102	2,466
2421.1	16.75	0.15745	4,228
2421.2	22.24	0.14352	1,497
2422.1	21.19	0.14576	465
2422.2	23.08	0.14243	3,777
2423.1	19.90	0.14825	9,663
2423.2	24.24	0.14045	4,002
2426.1	15.71	0.15652	-
2426.2	23.64	0.13746	-
2441	51.11	0.12794	682
	Total Depreciation		*36,323*

Network Element Disaggregations

Investment Disaggregations:

Terminal, Drop, and NID	*10,625,787*
Aerial-m portion	3,142,153
Buried-m portion	7,483,634
OS Trks + Signaling links	*4,864,929*
Circuit Eqpt. portion	810,822
Pole portion	117,314
Aerial-nm portion	408,315
Underground-nm portion	1,766,784
Buried-nm portion	1,605,499
Conduit portion	156,196
SAI	*398,232*
Aerial-m portion	14,155
Aerial-nm portion	121,195
Underground-m portion	10,970
Underground-nm portion	37,149
Buried-m portion	65,903
Buried-nm portion	148,859

Expense Disaggregations:

Terminal, Drop, and NID	*423,829*
Aerial portion	225,888
Buried portion	197,941
OS Trks + Signaling links	*218,127*
Circuit Eqpt. portion	36,354
Pole portion	15,021
Aerial-nm portion	17,427
Underground-nm portion	86,769
Buried-nm portion	57,259
Conduit portion	5,297
SAI	*21,633*
Aerial portion	7,352
Underground portion	2,614
Buried portion	11,666

COST SUMMARY

Iowa
Contel Of Ks Inc - Iowa

Network Element	Investment *	% of total invesment	1 Annual Capital Cost	2 Network Expenses	1 + 2 Direct Expense	3 Support & Overhead Expense	1 + 2 + 3 Subtotal	Total (*with carrier-to-carrier*)
NID	$ 2,431,304	1.1%	$ 376,672	$ 56,416	$ 433,088	$ 6,860,561	$ 7,293,650	$ 7,295,652
Distribution (DLC)	73,576,311	31.8%	11,222,440	3,451,419	14,673,858	1,978,624	16,652,482	16,674,868
Distribution (non-DLC)	30,055,242	13.0%	4,503,499	1,258,884	5,762,383	777,000	6,539,383	6,568,375
Distribution (all)	103,631,554	44.9%	15,725,938	4,710,303	20,436,241	2,755,624	23,191,865	23,243,243
Concentrator (DLC)	12,851,303	5.6%	2,197,426	262,176	2,459,602	331,653	2,791,255	2,795,577
Concentrator (non-DLC)	248,190	0.1%	38,451	13,482	51,933	7,003	58,936	59,230
Concentrator (all)	13,099,493	5.7%	2,235,877	275,658	2,511,535	338,656	2,850,191	2,854,807
Feeder (DLC)	12,398,289	5.4%	1,769,141	123,641	1,892,782	255,223	2,148,005	2,150,825
Feeder (non-DLC)	4,842,996	2.1%	717,095	144,687	861,782	116,203	977,985	982,388
Feeder (all)	17,241,285	7.5%	2,486,237	268,328	2,754,564	371,426	3,125,990	3,133,213
End Office Switching	27,116,232	11.7%	3,671,608	1,592,873	5,264,480	709,863	5,974,343	5,995,442
Signaling	2,006,679	0.9%	280,880	97,627	378,507	51,038	429,545	430,699
Dedicated Transport	23,818,834	10.3%	3,375,938	182,628	3,558,566	479,837	4,038,403	4,050,229
Dedicated Transport Transmission	2,859,560	1.2%	489,495	57,191	546,686	73,715	620,401	622,767
Direct Transport	17,752,911	7.7%	2,516,238	136,159	2,652,397	357,649	3,010,047	3,018,137
Direct Transport Transmission	1,521,646	0.7%	260,473	30,433	290,906	39,226	330,131	331,262
Common Transport	11,974,970	5.2%	1,697,305	91,855	1,789,160	241,250	2,030,410	2,035,643
Common Transport Transmission	989,924	0.4%	169,454	19,798	189,252	25,519	214,771	215,484
Tandem Switching	2,911,764	1.3%	390,900	231,380	622,280	83,908	706,189	709,198
Operator Systems	3,677,992	1.6%	529,515	183,037	712,551	96,080	808,632	810,811
Public Telephone	-	0.0%	-	-	-	-	-	-

							Total Network Cost	
Total	$ 231,034,149	100%	$ 34,206,529	$ 7,933,685	$ 42,140,214	$ 12,484,353	$ 54,624,566	$ 54,746,586

* Post sharing

Distribution

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Fiber Feeder										
Distribution Investment										
buried cable	$ 7,714,820	$ 7,666,164	$ 117,356	$ 359,954	$ -	$ -	$ -	$ -	$ -	$ 15,858,294
aerial cable	9,935,219	8,967,352	94,497	243,139	-	-	-	-	-	19,240,206
underground cable	38,034	892,872	20,871	98,916	-	-	-	-	-	1,050,692
buried trenching	7,938,751	14,417,478	303,276	849,527	-	-	-	-	-	23,509,032
conduit	1,475	29,252	2,157	9,700	-	-	-	-	-	42,584
underground trenching	13,273	263,270	19,417	87,299	-	-	-	-	-	383,260
poles	5,210,268	4,243,369	49,759	132,489	-	-	-	-	-	9,635,885
terminal	540,767	868,094	42,435	150,303	-	-	-	-	-	1,601,600
drop	781,061	1,245,981	54,615	173,101	-	-	-	-	-	2,254,758
TOTAL	$ 32,173,667	$ 38,593,832	$ 704,384	$ 2,104,428	$ -	$ -	$ -	$ -	$ -	$ 73,576,311
	43.73%	52.45%	0.96%	2.86%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
buried cable	$ 1,143,755	$ 1,136,542	$ 17,399	$ 53,365	$ -	$ -	$ -	$ -	$ -	$ 2,351,061
aerial cable	1,564,344	1,411,949	14,879	38,283	-	-	-	-	-	3,029,456
underground cable	5,544	130,147	3,042	14,418	-	-	-	-	-	153,151
buried trenching	1,176,954	2,137,454	44,962	125,946	-	-	-	-	-	3,485,316
conduit	189	3,742	276	1,241	-	-	-	-	-	5,448
underground trenching	1,698	33,682	2,484	11,169	-	-	-	-	-	49,033
poles	838,933	683,247	8,012	21,333	-	-	-	-	-	1,551,524
terminal	83,779	134,490	6,574	23,286	-	-	-	-	-	248,129
drop	121,007	193,035	8,461	26,818	-	-	-	-	-	349,320
TOTAL	$ 4,936,203	$ 5,864,289	$ 106,089	$ 315,859	$ -	$ -	$ -	$ -	$ -	$ 11,222,440
Network Expenses										
buried cable	344,081	341,911	5,234	16,054	-	-	-	-	-	707,280
aerial cable	664,666	599,916	6,322	16,266	-	-	-	-	-	1,287,170
underground cable	799	18,750	438	2,077	-	-	-	-	-	22,065
buried trenching	354,068	643,020	13,526	37,889	-	-	-	-	-	1,048,503
conduit	9	170	13	56	-	-	-	-	-	247
underground trenching	77	1,527	113	506	-	-	-	-	-	2,223
*	114,105	92,930	1,090	2,902	-	-	-	-	-	211,026
terminal	24,246	38,922	1,903	6,739	-	-	-	-	-	71,810
drop	35,020	55,866	2,449	7,761	-	-	-	-	-	101,096
TOTAL	$ 1,537,071	$ 1,793,011	$ 31,087	$ 90,251	$ -	$ -	$ -	$ -	$ -	$ 3,451,419
Summary										
Cost of Capital	$ 4,936,203	$ 5,864,289	$ 106,089	$ 315,859	$ -	$ -	$ -	$ -	$ -	$ 11,222,440
Network Expense	1,537,071	1,793,011	31,087	90,251	-	-	-	-	-	3,451,419
TOTAL	$ 6,473,273	$ 7,657,300	$ 137,176	$ 406,109	$ -	$ -	$ -	$ -	$ -	$ 14,673,858

USOA Detail Breakdown of HAI Model Costs

Contel Of Ks Inc - Iowa
Iowa

USOA	INVESTMENT DESCRIPTION	Cost $(000)
	Telecommunications Plant In Service	
2111	LAND	544
2112	MOTOR VEHICLES	2,184
2113	AIRCRAFT	
2114	SPECIAL PURPOSE VEHICLES	
2115	GARAGE WORK EQUIPMENT	18
2116	OTHER WORK EQUIPMENT	1,909
2121	BUILDINGS	11,437
2122	FURNITURE	628
2123.1	OFFICE SUPPORT EQUIPMENT	1,838
2123.2	COMPANY COMMUNICATIONS EQUIPMENT	
2124	GENERAL PURPOSE COMPUTERS	1,319
2110	*TOTAL LAND & SUPPORT ASSETS*	*19,877*
2212	DIGITAL ELECTRONIC SWITCHING	24,917
2220	OPERATOR SYSTEMS	141
2232	CIRCUIT EQUIPMENT	18,883
2351	PUBLIC TEL TERMINAL EQUIPMENT	0
2411	POLES	15,315
2421.1	AERIAL CABLE - METALLIC	26,849
2421.2	AERIAL CABLE - NonMETALLIC	10,428
2422.1	UNDERGROUND CABLE - METALLIC	3,193
2422.2	UNDERGROUND CABLE - NonMETALLIC	26,521
2423.1	BURIED CABLE - METALLIC	65,176
2423.2	BURIED CABLE - NonMETALLIC	28,494
2426.1	INTRABUILDING NETWORK CABLE - MET.	
2426.2	INTRABUILDING NETWORK CABLE - NonMET.	
2441	CONDUIT SYSTEMS	5,328
2410	*TOTAL CABLE & WIRE FACILITIES*	*181,303*
	Total TPIS (before amortizable assets)*	**245,121**

* 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	89
6113	AIRCRAFT	0
6114	SPECIAL PURPOSE VEHICLES	0
6115	GARAGE WORK EQUIPMENT	1
6116	OTHER WORK EQUIPMENT	78
6110	*NETWORK SUPPORT*	*168*
6121	LAND & BUILDINGS	476
6122	FURNITURE	27
6123	OFFICE EQUIPMENT	79
6124	GENERAL PURPOSE COMPUTERS	57
6120	*LAND & SUPPORT ASSETS*	*639*
6212	DIGITAL ELECTRONIC SWITCHING	1,390
6220	OPERATOR SYSTEMS	21
6232	CIRCUIT EQUIPMENT	398
6351	PUBLIC TEL TERMINAL EQUIPMENT	0
6411	POLES	348
6421	AERIAL CABLE	1,908
6422	UNDERGROUND CABLE	358
6423	BURIED CABLE	3,000
6426	INTRABUILDING NETWORK CABLE	
6441	CONDUIT SYSTEMS	35
6410	*TOTAL CABLE & WIRE FACILITIES*	*5,649*
	Total Plant Specific Expenses	**8,265**
	Plant Nonspecific Operations	
	TOTAL NETWORK OPERATIONS SUPPORT	0
6561	DEPRECIATION TPIS	36,323
6623	CUSTOMER SERVICES	122
	Total Plant Nonspecific Operations	**36,445**
	TOTAL CORPORATE OPERATIONS	-
	TOTAL OPERATING EXPENSES	**44,711**
7240	OPERATING OTHER TAXES	2,391
	TOTAL EXPENSES & OPERATING TAXES	**47,102**

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
	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	$ 7,714,820	$ 9,097,513	$ 1,343,002	$ 1,581,269	$ 99,842	$ 441,208	$ 22,921	$ -	$ -	$ 20,300,575
aerial cable	9,935,219	10,522,294	1,046,523	1,126,339	75,383	423,984	36,985	-	-	23,166,726
underground cable	38,034	1,038,711	231,234	454,851	56,450	811,976	142,472	-	-	2,773,727
buried trenching	7,938,751	17,164,780	3,668,279	4,232,069	289,824	1,500,109	81,567	-	-	34,875,379
conduit	1,475	34,604	26,370	48,322	6,267	108,575	20,860	-	-	246,472
underground trenching	13,273	311,439	237,328	434,897	56,403	977,174	187,738	-	-	2,218,252
poles	5,210,268	5,048,693	604,537	660,018	44,320	269,605	18,498	-	-	11,855,939
terminal	540,767	1,262,189	494,095	757,300	63,079	418,018	49,458	-	-	3,584,906
drop	781,061	1,799,299	660,207	850,308	72,553	405,546	40,603	-	-	4,609,577
TOTAL	$ 32,173,667	$ 46,279,523	$ 8,311,574	$ 10,145,374	$ 764,120	$ 5,356,195	$ 601,101	$ -	$ -	$ 103,631,554
	31.05%	44.66%	8.02%	9.79%	0.74%	5.17%	0.58%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
buried cable	$ 1,143,755	$ 1,348,746	$ 199,106	$ 234,430	$ 14,802	$ 65,411	$ 3,398	$ -	$ -	$ 3,009,648
aerial cable	1,564,344	1,656,782	164,780	177,347	11,869	66,758	5,823	-	-	3,647,704
underground cable	5,544	151,405	33,705	66,300	8,228	118,356	20,767	-	-	404,305
buried trenching	1,176,954	2,544,753	543,838	627,423	42,968	222,398	12,093	-	-	5,170,426
conduit	189	4,427	3,374	6,182	802	13,891	2,669	-	-	31,533
underground trenching	1,698	39,845	30,363	55,640	7,216	125,017	24,019	-	-	283,797
poles	838,933	812,917	97,340	106,273	7,136	43,411	2,978	-	-	1,908,987
terminal	83,779	195,546	76,548	117,325	9,773	64,762	7,662	-	-	555,395
drop	121,007	278,758	102,283	131,735	11,240	62,830	6,290	-	-	714,143
TOTAL	$ 4,936,203	$ 7,033,178	$ 1,251,337	$ 1,522,655	$ 114,034	$ 782,832	$ 85,700	$ -	$ -	$ 15,725,938
Network Expenses										
buried cable	$ 344,081	$ 405,749	$ 59,898	$ 70,525	$ 4,453	$ 19,678	$ 1,022	$ -	$ -	$ 905,406
aerial cable	664,666	703,941	70,012	75,352	5,043	28,365	2,474	-	-	1,549,854
underground cable	799	21,813	4,856	9,552	1,185	17,051	2,992	-	-	58,248
buried trenching	354,068	765,549	163,605	188,750	12,926	66,905	3,638	-	-	1,555,442
conduit	9	201	153	280	36	630	121	-	-	1,430
underground trenching	77	1,806	1,377	2,522	327	5,668	1,089	-	-	12,866
poles	114,105	110,566	13,239	14,454	971	5,904	405	-	-	259,645
terminal	24,246	56,592	22,154	33,955	2,828	18,742	2,218	-	-	160,735
drop	35,020	80,674	29,601	38,125	3,253	18,183	1,820	-	-	206,678
TOTAL	$ 1,537,071	$ 2,146,893	$ 364,895	$ 433,516	$ 31,023	$ 181,126	$ 15,779	$ -	$ -	$ 4,710,303
Summary										
Cost of Capital	$ 4,936,203	$ 7,033,178	$ 1,251,337	$ 1,522,655	$ 114,034	$ 782,832	$ 85,700	$ -	$ -	$ 15,725,938
Network Expense	1,537,071	2,146,893	364,895	433,516	31,023	181,126	15,779	-	-	4,710,303
TOTAL	$ 6,473,273	$ 9,180,071	$ 1,616,232	$ 1,956,170	$ 145,057	$ 963,958	$ 101,479	$ -	$ -	$ 20,436,241
NID Cost										
NID Investment	$ 218,712	$ 695,674	$ 413,368	$ 616,753	$ 56,130	$ 383,901	$ 46,788	$ -	$ -	$ 2,431,304
Levelized Cost of Capital	33,884	107,779	64,041	95,551	9,696	59,476	7,246	-	-	376,672
Network Expenses	5,156	16,130	9,565	14,276	1,292	8,978	1,020	-	-	56,416
TOTAL	$ 39,040	$ 123,908	$ 73,606	$ 109,827	$ 9,988	$ 68,454	$ 8,266	$ -	$ -	$ 433,088

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	$ 153,204	$ 269,365	$ 80,226	$ 78,232	$ 5,736	$ 36,058	$ 4,833	$ -	$ -	$ 627,654
office equipment	448,695	788,901	234,962	229,122	16,799	105,605	14,156	-	-	1,838,240
general purpose computers	321,841	565,865	168,534	164,345	12,050	75,749	10,154	-	-	1,318,536
motor vehicles	533,089	937,283	279,155	272,217	19,959	125,468	16,818	-	-	2,183,989
buildings	1,511,109	2,656,850	791,301	771,633	56,576	355,656	47,673	-	-	6,190,797
garage work equipment	4,442	7,810	2,326	2,268	166	1,045	140	-	-	18,197
orther work equipment	466,086	819,478	244,068	238,002	17,450	109,698	14,704	-	-	1,909,487
										-
TOTAL	$ 3,438,465	$ 6,045,551	$ 1,800,572	$ 1,755,818	$ 128,736	$ 809,280	$ 108,478	$ -	$ -	$ 14,086,900
Levelized Cost of Capital										
furniture	21458 43954	37728 49099	11236 83549	10957 5402	803 4057208	5050 476729	676 9812834	0	0	$ 87,912
office equipment	75228 9198	132268 4074	39394 05724	38414 90484	2816 576873	17705 94306	2373 358537	0	0	308,202
general purpose computers	75692 21623	133082 9808	39636 66509	38651 48259	2833 922729	17814 98491	2387 974838	0	0	310,100
motor vehicles	98746 7265	170101 2784	50661.98069	49402 7603	3622 205305	22770.3925	3052 212764	0	0	396,358
buildings	202304 2398	355693 7901	105937.7807	103304 6619	7574 287186	47614 49934	6382 392516	0	0	828,812
garage work equipment	732 7889894	1288 398568	383 7291759	374 1914595	27 43567933	172 4698448	23 11838331	0	0	3,002
orther work equipment	69633 19827	122429 9413	36463 82543	35557.50491	2607 072604	16388 92925	2196 821994	0	0	285,277
TOTAL	$ 541,797	$ 952,593	$ 283,715	$ 276,663	$ 20,285	$ 127,518	$ 17,093	$ -	$ -	$ 2,219,663

Concentrator

	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
	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										
Concentrator Investment										
DLC Investment	$ 5,361,887	$ 6,177,455	$ 320,611	$ 841,308	$ -	$ -	$ -	$ -	$ -	$ 12,701,262
SAI Investment	42,013	129,836	61,594	94,422	7,644	55,079	7,644	-	-	398,232
TOTAL	$ 5,403,900	$ 6,307,291	$ 382,205	$ 935,730	$ 7,644	$ 55,079	$ 7,644	$ -	$ -	$ 13,099,493
	41.25%	48.15%	2.92%	7.14%	0.06%	0.42%	0.06%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
DLC	$ 917,839	$ 1,057,447	$ 54,882	$ 144,014	$ -	$ -	$ -	$ -	$ -	$ 2,174,181
SAI	6,509	20,115	9,543	14,628	1,184	8,533	1,184	-	-	61,696
TOTAL	$ 924,348	$ 1,077,562	$ 64,424	$ 158,642	$ 1,184	$ 8,533	$ 1,184	$ -	$ -	$ 2,235,877
Network Expenses										
DLC	$ 107,238	$ 123,549	$ 6,412	$ 16,826	$ -	$ -	$ -	$ -	$ -	$ 254,025
SAI	2,282	7,053	3,346	5,129	415	2,992	415	-	-	21,633
TOTAL	$ 109,520	$ 130,602	$ 9,758	$ 21,955	$ 415	$ 2,992	$ 415	$ -	$ -	$ 275,658
Summary										
Cost of Capital	$ 924,348	$ 1,077,562	$ 64,424	$ 158,642	$ 1,184	$ 8,533	$ 1,184	$ -	$ -	$ 2,235,877
Network Expense	109,520	130,602	9,758	21,955	415	2,992	415	-	-	275,658
TOTAL	$ 1,033,868	$ 1,208,164	$ 74,182	$ 180,597	$ 1,599	$ 11,525	$ 1,599	$ -	$ -	$ 2,511,535

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
	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Copper Feeder										
Distribution Investment										
buried cable	$ -	$ 1,431,349	$ 1,225,646	$ 1,221,315	$ 99,842	$ 441,208	$ 22,921	$ -	$ -	$ 4,442,281
aerial cable	-	1,554,942	952,026	883,200	75,383	423,984	36,985	-	-	3,926,520
underground cable	-	145,839	210,363	355,935	56,450	811,976	142,472	-	-	1,723,035
buried trenching	-	2,747,302	3,365,003	3,382,542	289,824	1,500,109	81,567	-	-	11,366,347
conduit	-	5,352	24,212	38,622	6,267	108,575	20,860	-	-	203,888
underground trenching	-	48,169	217,911	347,598	56,403	977,174	187,738	-	-	1,834,992
poles	-	805,324	554,778	527,529	44,320	269,605	18,498	-	-	2,220,054
terminal	-	394,095	451,659	606,997	63,079	418,018	49,458	-	-	1,983,305
drop	-	553,318	605,592	677,207	72,553	405,546	40,603	-	-	2,354,819
TOTAL	$ -	$ 7,685,691	$ 7,607,190	$ 8,040,945	$ 764,120	$ 5,356,195	$ 601,101	$ -	$ -	$ 30,055,242
	0.00%	25.57%	25.31%	26.75%	2.54%	17.82%	2.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
buried cable	$ -	$ 212,204	$ 181,707	$ 181,065	$ 14,802	$ 65,411	$ 3,398	$ -	$ -	$ 658,587
aerial cable	-	244,832	149,901	139,064	11,869	66,758	5,823	-	-	618,248
underground cable	-	21,258	30,663	51,882	8,228	116,356	20,767	-	-	251,154
buried trenching	-	407,299	498,876	501,477	42,968	222,398	12,093	-	-	1,685,110
conduit	-	685	3,098	4,941	802	13,891	2,669	-	-	26,085
underground trenching	-	6,163	27,879	44,471	7,216	125,017	24,019	-	-	234,764
poles	-	129,669	89,328	84,940	7,136	43,411	2,978	-	-	357,463
terminal	-	61,056	69,974	94,040	9,773	64,762	7,662	-	-	307,265
drop	-	85,723	93,822	104,917	11,240	62,830	6,290	-	-	364,823
TOTAL	$ -	$ 1,168,889	$ 1,145,247	$ 1,206,796	$ 114,034	$ 782,832	$ 85,700	$ -	$ -	$ 4,503,499
Network Expenses										
buried cable	$ -	$ 63,838	$ 54,664	$ 54,471	$ 4,453	$ 19,678	$ 1,022	$ -	$ -	$ 198,126
aerial cable	-	104,026	63,691	59,086	5,043	28,365	2,474	-	-	262,684
underground cable	-	3,063	4,418	7,475	1,185	17,051	2,992	-	-	36,184
buried trenching	$ -	$ 122,530	$ 150,079	$ 150,861	$ 12,926	$ 66,905	$ 3,638	$ -	$ -	506,939
conduit	-	31	140	224	36	630	121	-	-	1,183
underground trenching	-	279	1,264	2,016	327	5,668	1,089	-	-	10,643
poles	-	17,637	12,150	11,553	971	5,904	405	-	-	48,619
terminal	-	17,670	20,251	27,216	2,828	18,742	2,218	-	-	88,925
drop	-	24,809	27,153	30,364	3,253	18,183	1,820	-	-	105,582
TOTAL	$ -	$ 353,882	$ 333,809	$ 343,265	$ 31,023	$ 181,126	$ 15,779	$ -	$ -	$ 1,258,884
Summary										
Cost of Capital	$ -	$ 1,168,889	$ 1,145,247	$ 1,206,796	$ 114,034	$ 782,832	$ 85,700	$ -	$ -	$ 4,503,499
Network Expense	-	353,882	333,809	343,265	31,023	181,126	15,779	-	-	1,258,884
TOTAL	$ -	$ 1,522,771	$ 1,479,056	$ 1,550,061	$ 145,057	$ 963,958	$ 101,479	$ -	$ -	$ 5,762,383

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
	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Copper Feeder										
Feeder Investment										
copper u/g cable	$ -	$ 0	$ 213	$ 11,798	$ 258	$ 19,592	$ 559	$ -	$ -	$ 32,421
copper buried cable	-	2	1,514	93,708	1,744	162,207	4,101	-	-	263,275
copper aerial cable	-	2	1,387	83,500	1,604	143,201	3,692	-	-	233,386
fiber u/g cable	-	140	2,965	32,793	1,577	28,467	980	-	-	66,922
fiber buried cable	-	440	9,802	106,385	4,942	93,518	3,148	-	-	218,235
fiber aerial cable	-	610	13,149	144,308	6,845	125,911	4,295	-	-	295,118
conduit	-	9	174	3,743	105	5,608	215	-	-	9,854
manholes	-	129,765	96,360	104,194	7,602	24,197	2,220	-	-	364,338
copper u/g placement	-	124,940	69,705	75,484	4,270	51,005	7,448	-	-	332,852
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	758,234	435,549	424,312	22,561	197,258	21,978	-	-	1,859,890
fiber buried placement	-	-	-	-	-	-	-	-	-	-
poles	-	396,761	298,795	328,697	22,213	108,190	12,049	-	-	1,166,705
TOTAL	$ -	$ 1,410,903	$ 929,612	$ 1,408,922	$ 73,722	$ 959,153	$ 60,683	$ -	$ -	$ 4,842,996
	0.00%	29.13%	19.19%	29.09%	1.52%	19.80%	1.25%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
copper u/g cable	$ -	$ 0	$ 31	$ 1,720	$ 38	$ 2,856	$ 81	$ -	$ -	$ 4,726
copper buried cable	-	0	224	13,893	259	24,048	608	-	-	39,032
copper aerial cable	-	0	218	13,147	253	22,548	581	-	-	36,748
fiber u/g cable	-	20	422	4,671	225	4,055	140	-	-	9,532
fiber buried cable	-	62	1,377	14,942	694	13,134	442	-	-	30,651
fiber aerial cable	-	88	1,887	20,712	982	18,071	616	-	-	42,356
conduit	-	1	22	479	13	717	27	-	-	1,261
manholes	-	16,602	12,328	13,330	973	3,096	284	-	-	46,612
copper u/g placement	-	15,984	8,918	9,657	546	6,525	953	-	-	42,584
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	112,412	64,572	62,906	3,345	29,244	3,258	-	-	275,737
fiber buried placement	-	-	-	-	-	-	-	-	-	-
poles	-	63,885	48,110	52,925	3,577	17,420	1,940	-	-	187,857
TOTAL	$ -	$ 209,053	$ 138,111	$ 208,381	$ 10,904	$ 141,715	$ 8,931	$ -	$ -	$ 717,095
Network Expenses										
copper u/g cable	$ -	$ 0	$ 4	$ 248	$ 5	$ 411	$ 12	$ -	$ -	$ 681
copper buried cable	-	0	68	4,179	78	7,234	183	-	-	11,742
copper aerial cable	-	0	93	5,586	107	9,580	247	-	-	15,614
fiber u/g cable	-	1	25	275	13	239	8	-	-	562
fiber buried cable	-	3	60	649	30	570	19	-	-	1,331
fiber aerial cable	-	4	96	1,053	50	919	31	-	-	2,154
conduit	-	0	1	22	1	33	1	-	-	57
manholes	-	753	559	604	44	140	13	-	-	2,113
copper u/g placement	$ -	$ 725	$ 404	$ 438	$ 25	$ 296	$ 43	$ -	$ -	1,931
fiber u/g placement	-	-	-	-	-	-	-	-	-	-
copper buried placement	-	33,817	19,426	18,924	1,006	8,798	980	-	-	82,951
fiber buried placement	-	-	-	-	-	-	-	-	-	-
poles	-	8,689	6,544	7,198	486	2,369	264	-	-	25,551
TOTAL	$ -	$ 43,992	$ 27,279	$ 39,178	$ 1,846	$ 30,590	$ 1,802	$ -	$ -	$ 144,687
Summary										
Cost of Capital	$ -	$ 209,053	$ 138,111	$ 208,381	$ 10,904	$ 141,715	$ 8,931	$ -	$ -	$ 717,095
Network Expense	-	43,992	27,279	39,178	1,846	30,590	1,802	-	-	144,687
TOTAL	$ -	$ 253,046	$ 165,390	$ 247,559	$ 12,750	$ 172,305	$ 10,733	$ -	$ -	$ 861,782

Concentrator

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Fiber Feeder										
Concentrator Investment										
DLC Investment	$ 5,361,887	$ 6,177,455	$ 320,611	$ 841,308	$ -	$ -	$ -	$ -	$ -	$ 12,701,262
SAI Investment	42,013	84,200	5,395	18,434	-	-	-	-	-	150,042
										$ -
TOTAL	$ 5,403,900	$ 6,261,655	$ 326,006	$ 859,742	$ -	$ -	$ -	$ -	$ -	$ 12,851,303
	42.05%	48.72%	2.54%	6.69%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
DLC	$ 917,839	$ 1,057,447	$ 54,882	$ 144,014	$ -	$ -	$ -	$ -	$ -	$ 2,174,181
SAI	6,509	13,045	836	2,856	-	-	-	-	-	23,245
TOTAL	$ 924,348	$ 1,070,491	$ 55,717	$ 146,870	$ -	$ -	$ -	$ -	$ -	$ 2,197,426
Network Expenses										
DLC	$ 107,238	$ 123,549	$ 6,412	$ 16,826	$ -	$ -	$ -	$ -	$ -	$ 254,025
SAI	2,282	4,574	293	1,001	-	-	-	-	-	8,151
TOTAL	$ 109,520	$ 128,123	$ 6,705	$ 17,828	$ -	$ -	$ -	$ -	$ -	$ 262,176
Summary										
Cost of Capital	$ 924,348	$ 1,070,491	$ 55,717	$ 146,870	$ -	$ -	$ -	$ -	$ -	$ 2,197,426
Network Expense	109,520	128,123	6,705	17,828	-	-	-	-	-	262,176
TOTAL	$ 1,033,868	$ 1,198,614	$ 62,423	$ 164,697	$ -	$ -	$ -	$ -	$ -	$ 2,459,602

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Copper Feeder										
Concentrator Investment										
DLC Investment	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SAI Investment	-	45,636	56,199	75,988	7,644	55,079	7,644	-	-	248,190
TOTAL	$ -	$ 45,636	$ 56,199	$ 75,988	$ 7,644	$ 55,079	$ 7,644	$ -	$ -	$ 248,190
	0.00%	18.39%	22.64%	30.62%	3.08%	22.19%	3.08%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
DLC	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SAI	-	7,070	8,707	11,773	1,184	8,533	1,184	-	-	38,451
TOTAL	$ -	$ 7,070	$ 8,707	$ 11,773	$ 1,184	$ 8,533	$ 1,184	$ -	$ -	$ 38,451
Network Expenses										
DLC	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SAI	-	2,479	3,053	4,128	415	2,992	415	-	-	13,482
TOTAL	$ -	$ 2,479	$ 3,053	$ 4,128	$ 415	$ 2,992	$ 415	$ -	$ -	$ 13,482
Summary										
Cost of Capital	$ -	$ 7,070	$ 8,707	$ 11,773	$ 1,184	$ 8,533	$ 1,184	$ -	$ -	$ 38,451
Network Expense	-	2,479	3,053	4,128	415	2,992	415	-	-	13,482
TOTAL	$ -	$ 9,549	$ 11,760	$ 15,900	$ 1,599	$ 11,525	$ 1,599	$ -	$ -	$ 51,933

Operator Services

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-850 lines/sq mi	850-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Operator Investment										
OS Tandem Switching	$ 4,508	$ 15,006	$ 9,833	$ 15,826	$ 1,366	$ 10,110	$ 1,313	$ -	$ -	$ 57,781
OS Tandem Wire Center	5,635	18,757	12,291	19,532	1,707	12,638	1,641	-	-	72,201
OS Trunks	526,902	1,720,178	692,722	355,110	28,576	116,683	24,569	-	-	3,464,739
OS Position	6,501	21,638	14,179	22,532	1,969	14,579	1,893	-	-	83,291
TOTAL	$ 543,545	$ 1,775,579	$ 729,025	$ 412,799	$ 33,617	$ 154,010	$ 29,416	$ -	$ -	$ 3,677,992
Levelized Cost of Capital										
OS Tandem Switching	$ 609	$ 2,026	$ 1,328	$ 2,110	$ 184	$ 1,365	$ 177	$ -	$ -	$ 7,800
OS Tandem Wire Center	754	2,511	1,645	2,615	229	1,692	220	-	-	9,666
OS Trunks	74,891	244,497	98,460	50,473	4,062	16,585	3,492	-	-	492,460
OS Position	1,529	5,089	3,335	5,299	463	3,429	445	-	-	19,589
TOTAL	$ 77,783	$ 254,123	$ 104,768	$ 60,498	$ 4,938	$ 23,071	$ 4,334	$ -	$ -	$ 529,515
Network Expenses										
OS Tandem Switching	$ 252	$ 837	$ 549	$ 872	$ 76	$ 564	$ 73	$ -	$ -	$ 3,223
OS Tandem Wire Center	511	1,699	1,114	1,770	155	1,145	149	-	-	6,541
OS Trunks	23,624	77,127	31,059	15,922	1,261	5,232	1,102	-	-	155,347
OS Position	-	-	-	-	-	-	-	-	-	-
Operator Wages	1,399	4,657	3,051	4,849	424	3,138	407	-	-	17,925
TOTAL	$ 25,786	$ 84,320	$ 35,773	$ 23,413	$ 1,936	$ 10,078	$ 1,731	$ -	$ -	$ 183,037
Summary										
Cost of Capital	$ 77,783	$ 254,123	$ 104,768	$ 60,498	$ 4,938	$ 23,071	$ 4,334	$ -	$ -	$ 529,515
Network Expense	25,786	84,320	35,773	23,413	1,936	10,078	1,731	-	-	183,037
TOTAL	$ 103,569	$ 338,444	$ 140,541	$ 83,910	$ 6,874	$ 33,149	$ 6,065	$ -	$ -	$ 712,551

Feeder

	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
Fiber Feeder										
Feeder Investment										
copper u/g cable	$ 9,198	$ 30,028	$ 321	$ 3,045	$ -	$ -	$ -	$ -	$ -	$ 42,592
copper buried cable	66,503	235,830	2,228	22,487	-	-	-	-	-	327,048
copper aerial cable	60,352	210,284	2,052	20,184	-	-	-	-	-	292,872
fiber u/g cable	533,586	416,492	7,152	13,443	-	-	-	-	-	970,674
fiber buried cable	1,675,210	1,339,488	24,858	44,829	-	-	-	-	-	3,084,385
fiber aerial cable	2,292,202	1,826,396	32,382	59,827	-	-	-	-	-	4,210,806
conduit	37,206	30,291	411	1,606	-	-	-	-	-	69,515
manholes	90,135	93,418	4,505	11,792	-	-	-	-	-	199,850
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	148,338	166,484	4,807	23,953	-	-	-	-	-	343,583
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	1,029,054	1,056,649	31,448	114,691	-	-	-	-	-	2,231,843
poles	274,213	296,499	13,641	40,769	-	-	-	-	-	625,121
TOTAL	$ 6,215,999	$ 5,701,859	$ 123,805	$ 356,626	$ -	$ -	$ -	$ -	$ -	$ 12,398,289
	50.14%	45.99%	1.00%	2.88%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
copper u/g cable	$ 1,341	$ 4,377	$ 47	$ 444	$ -	$ -	$ -	$ -	$ -	$ 6,208
copper buried cable	9,859	34,963	330	3,334	-	-	-	-	-	48,486
copper aerial cable	9,503	33,110	323	3,178	-	-	-	-	-	46,114
fiber u/g cable	76,000	59,322	1,019	1,915	-	-	-	-	-	138,255
fiber buried cable	235,279	188,128	3,491	6,296	-	-	-	-	-	433,195
fiber aerial cable	328,986	262,132	4,648	8,587	-	-	-	-	-	604,352
conduit	4,760	3,875	53	206	-	-	-	-	-	8,893
manholes	11,532	11,952	576	1,509	-	-	-	-	-	25,568
copper u/g placement	-	-	-	-	-	-	-	-	-	-
fiber u/g placement	18,978	21,299	615	3,065	-	-	-	-	-	43,957
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	144,528	148,404	4,417	16,108	-	-	-	-	-	313,457
poles	44,152	47,741	2,196	6,564	-	-	-	-	-	100,654
TOTAL	$ 884,919	$ 815,303	$ 17,715	$ 51,204	$ -	$ -	$ -	$ -	$ -	$ 1,769,141
Network Expenses										
copper u/g cable	$ 193	$ 631	$ 7	$ 64	$ -	$ -	$ -	$ -	$ -	$ 894
copper buried cable	2,966	10,518	99	1,003	-	-	-	-	-	14,586
copper aerial cable	4,038	14,068	137	1,350	-	-	-	-	-	19,593
fiber u/g cable	4,482	3,499	60	113	-	-	-	-	-	8,154
fiber buried cable	10,219	8,171	152	273	-	-	-	-	-	18,815
fiber aerial cable	16,733	13,333	236	437	-	-	-	-	-	30,739
conduit	216	176	2	9	-	-	-	-	-	403
manholes	523	542	26	68	-	-	-	-	-	1,159
copper u/g placement	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
fiber u/g placement	860	966	28	139	-	-	-	-	-	1,993
copper buried placement	-	-	-	-	-	-	-	-	-	-
fiber buried placement	6,277	6,446	192	700	-	-	-	-	-	13,614
poles	6,005	6,493	299	893	-	-	-	-	-	13,690
TOTAL	$ 52,512	$ 64,841	$ 1,238	$ 5,049	$ -	$ -	$ -	$ -	$ -	$ 123,641
Summary										
Cost of Capital	$ 884,919	$ 815,303	$ 17,715	$ 51,204	$ -	$ -	$ -	$ -	$ -	$ 1,769,141
Network Expense	52,512	64,841	1,238	5,049	-	-	-	-	-	123,641
TOTAL	$ 937,431	$ 880,144	$ 18,953	$ 56,254	$ -	$ -	$ -	$ -	$ -	$ 1,892,782

Public Telephone

	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
Public Telephone Investment	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Levelized Cost of Capital	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Network Expenses	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Summary										
Cost of Capital	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Network Expense	-	-	-	-	-	-	-	-	-	-
TOTAL	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

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
	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	$ 9,198	$ 30,029	$ 534	$ 14,843	$ 258	$ 19,592	$ 559	$ -	$ -	$ 75,013
copper buried cable	66,503	235,832	3,742	116,194	1,744	162,207	4,101	-	-	590,323
copper aerial cable	60,352	210,285	3,440	103,683	1,604	143,201	3,692	-	-	526,258
fiber u/g cable	533,586	416,633	10,117	46,236	1,577	28,467	980	-	-	1,037,596
fiber buried cable	1,675,210	1,339,929	34,659	151,215	4,942	93,518	3,148	-	-	3,302,621
fiber aerial cable	2,292,202	1,827,005	45,531	204,135	6,845	125,911	4,295	-	-	4,505,924
conduit	37,206	30,300	585	5,350	105	5,608	215	-	-	79,368
manholes	90,135	223,183	100,864	115,986	7,602	24,197	2,220	-	-	564,188
copper u/g placement	-	124,940	69,705	75,484	4,270	51,005	7,448	-	-	332,852
fiber u/g placement	148,338	166,484	4,807	23,953	-	-	-	-	-	343,583
copper buried placement	-	758,234	435,549	424,312	22,561	197,258	21,976	-	-	1,859,890
fiber buried placement	1,029,054	1,056,649	31,448	114,691	-	-	-	-	-	2,231,843
poles	274,213	693,260	312,436	369,466	22,213	108,190	12,049	-	-	1,791,826
TOTAL	$ 6,215,999	$ 7,112,762	$ 1,053,417	$ 1,765,549	$ 73,722	$ 959,153	$ 60,683	$ -	$ -	$ 17,241,285
	36.05%	41.25%	6.11%	10.24%	0.43%	5.56%	0.35%	0.00%	0.00%	100.00%
Levelized Cost of Capital										
copper u/g cable	$ 1,341	$ 4,377	$ 78	$ 2,164	$ 38	$ 2,856	$ 81	$ -	$ -	$ 10,934
copper buried cable	9,859	34,963	555	17,226	259	24,048	608	-	-	87,518
copper aerial cable	9,503	33,110	542	16,325	253	22,548	581	-	-	82,862
fiber u/g cable	76,000	59,342	1,441	6,586	225	4,055	140	-	-	147,787
fiber buried cable	235,279	188,190	4,868	21,238	694	13,134	442	-	-	463,846
fiber aerial cable	328,986	262,219	6,535	29,298	982	18,071	616	-	-	646,708
conduit	4,760	3,876	75	684	13	717	27	-	-	10,154
manholes	11,532	28,553	12,904	14,839	973	3,096	284	-	-	72,181
copper u/g placement	-	15,984	8,918	9,657	546	6,525	953	-	-	42,584
fiber u/g placement	18,978	21,299	615	3,065	-	-	-	-	-	43,957
copper buried placement	-	112,412	64,572	62,906	3,345	29,244	3,258	-	-	275,737
fiber buried placement	144,528	148,404	4,417	16,108	-	-	-	-	-	313,457
poles	44,152	111,625	50,307	59,490	3,577	17,420	1,940	-	-	288,511
TOTAL	$ 884,919	$ 1,024,356	$ 155,826	$ 259,586	$ 10,904	$ 141,715	$ 8,931	$ -	$ -	$ 2,486,237
Network Expenses										
copper u/g cable	$ 193	$ 631	$ 11	$ 312	$ 5	$ 411	$ 12	$ -	$ -	$ 1,575
copper buried cable	2,966	10,518	167	5,182	78	7,234	183	-	-	26,326
copper aerial cable	4,038	14,068	230	6,936	107	9,580	247	-	-	35,207
fiber u/g cable	4,482	3,500	85	388	13	239	8	-	-	8,716
fiber buried cable	10,219	8,174	211	922	30	570	19	-	-	20,146
fiber aerial cable	16,733	13,337	332	1,490	50	919	31	-	-	32,893
conduit	216	176	3	31	1	33	1	-	-	460
manholes	523	1,294	585	673	44	140	13	-	-	3,272
copper u/g placement	-	725	404	438	25	296	43	-	-	1,931
fiber u/g placement	860	966	28	139	-	-	-	-	-	1,993
copper buried placement	-	33,817	19,426	18,924	1,006	8,798	980	-	-	82,951
fiber buried placement	6,277	6,448	192	700	-	-	-	-	-	13,614
poles	6,005	15,182	6,842	8,091	488	2,369	264	-	-	39,241
TOTAL	$ 52,512	$ 108,833	$ 28,517	$ 44,227	$ 1,846	$ 30,590	$ 1,802	$ -	$ -	$ 268,328
Summary										
Cost of Capital	$ 884,919	$ 1,024,356	$ 155,826	$ 259,586	$ 10,904	$ 141,715	$ 8,931	$ -	$ -	$ 2,486,237
Network Expense	52,512	108,833	28,517	44,227	1,846	30,590	1,802	-	-	268,328
TOTAL	$ 937,431	$ 1,133,189	$ 184,343	$ 303,813	$ 12,750	$ 172,305	$ 10,733	$ -	$ -	$ 2,754,564

Common Transport

	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
Common Transport Investment										
underground cable	$ 785,810	$ 2,586,639	$ 1,027,701	$ 548,142	$ 43,514	$ 191,101	$ 40,920	$ -	$ -	$ 5,223,828
buried cable	707,517	2,333,123	923,951	506,991	39,078	187,669	39,041	-	-	4,737,371
aerial cable	181,272	594,986	236,185	128,235	10,096	45,426	9,575	-	-	1,205,775
poles	51,216	173,245	67,327	37,148	2,843	12,790	2,535	-	-	347,105
conduit	62,151	203,995	80,978	43,966	3,462	15,575	3,283	-	-	413,409
manholes	7,289	23,278	9,164	5,461	439	1,728	325	-	-	47,684
TOTAL	$ 1,795,055	$ 5,915,266	$ 2,345,306	$ 1,269,943	$ 99,432	$ 454,289	$ 95,679	$ -	$ -	$ 11,974,970
Levelized Cost of Capital										
underground cable	$ 111,896	$ 368,421	$ 146,378	$ 78,073	$ 6,198	$ 27,219	$ 5,828	$ -	$ -	$ 744,014
buried cable	99,369	327,682	129,767	71,206	5,488	26,358	5,483	-	-	665,353
aerial cable	26,017	85,395	33,898	18,405	1,449	6,520	1,374	-	-	173,058
poles	8,247	27,895	10,841	5,981	458	2,059	408	-	-	55,889
conduit	7,951	26,099	10,360	5,625	443	1,993	420	-	-	52,890
manholes	933	2,978	1,172	699	56	221	42	-	-	6,101
TOTAL	$ 254,413	$ 838,470	$ 332,416	$ 179,989	$ 14,092	$ 64,370	$ 13,556	$ -	$ -	$ 1,697,305
Network Expenses										
underground cable	$ 6,599	$ 21,728	$ 8,633	$ 4,604	$ 366	$ 1,605	$ 344	$ -	$ -	$ 43,878
buried cable	4,316	14,232	5,636	3,093	238	1,145	238	-	-	28,898
aerial cable	1,323	4,343	1,724	936	74	332	70	-	-	8,802
poles	1,122	3,794	1,474	814	62	280	56	-	-	7,602
conduit	360	1,183	470	255	20	90	19	-	-	2,398
manholes	42	135	53	32	3	10	2	-	-	277
TOTAL	$ 13,763	$ 45,415	$ 17,990	$ 9,733	$ 762	$ 3,462	$ 728	$ -	$ -	$ 91,855
Summary										
Cost of Capital	$ 254,413	$ 838,470	$ 332,416	$ 179,989	$ 14,092	$ 64,370	$ 13,556	$ -	$ -	$ 1,697,305
Network Expense	13,763	45,415	17,990	9,733	762	3,462	728	-	-	91,855
TOTAL	$ 268,176	$ 883,885	$ 350,407	$ 189,722	$ 14,855	$ 67,832	$ 14,284	$ -	$ -	$ 1,789,160
Transmission Terminal										
investment	$ 131,296	$ 320,361	$ 242,506	$ 206,626	$ 12,855	$ 68,160	$ 8,120	$ -	$ -	$ 989,924
levelized cost of capital	22,475	54,839	41,512	35,370	2,201	11,668	1,390	-	-	169,454
network expenses	2,626	6,407	4,850	4,133	257	1,363	162	-	-	19,798
TOTAL	$ 25,101	$ 61,246	$ 46,362	$ 39,502	$ 2,458	$ 13,031	$ 1,552	$ -	$ -	$ 189,252

Tandem Switching

	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
Tandem Switching Investment										
tandem switching	$ 76,250	$ 251,070	$ 160,831	$ 247,951	$ 21,358	$ 154,273	$ 20,034	$ -	$ -	$ 931,767
wire center	154,531	514,381	337,061	535,634	46,812	346,577	45,002	-	-	1,979,997
TOTAL	$ 230,781	$ 765,451	$ 497,892	$ 783,585	$ 68,170	$ 500,850	$ 65,036	$ -	$ -	$ 2,911,764
Levelized Cost of Capital										
tandem switching	$ 10,296	$ 33,903	$ 21,718	$ 33,482	$ 2,884	$ 20,832	$ 2,705	$ -	$ -	$ 125,822
wire center	20,688	68,864	45,125	71,710	6,267	46,399	6,025	-	-	265,078
TOTAL	$ 30,985	$ 102,768	$ 66,843	$ 105,192	$ 9,151	$ 67,231	$ 8,730	$ -	$ -	$ 390,900
Network Expenses										
tandem switching	$ 4,255	$ 14,010	$ 8,974	$ 13,836	$ 1,192	$ 8,608	$ 1,118	$ -	$ -	$ 51,993
wire center	14,000	46,603	30,538	48,528	4,241	31,400	4,077	-	-	179,388
TOTAL	$ 18,255	$ 60,613	$ 39,512	$ 62,364	$ 5,433	$ 40,008	$ 5,195	$ -	$ -	$ 231,380
Summary										
Cost of Capital	$ 30,985	$ 102,768	$ 66,843	$ 105,192	$ 9,151	$ 67,231	$ 8,730	$ -	$ -	$ 390,900
Network Expense	18,255	60,613	39,512	62,364	5,433	40,008	5,195	-	-	231,380
TOTAL	$ 49,240	$ 163,380	$ 106,355	$ 167,556	$ 14,584	$ 107,240	$ 13,925	$ -	$ -	$ 622,280