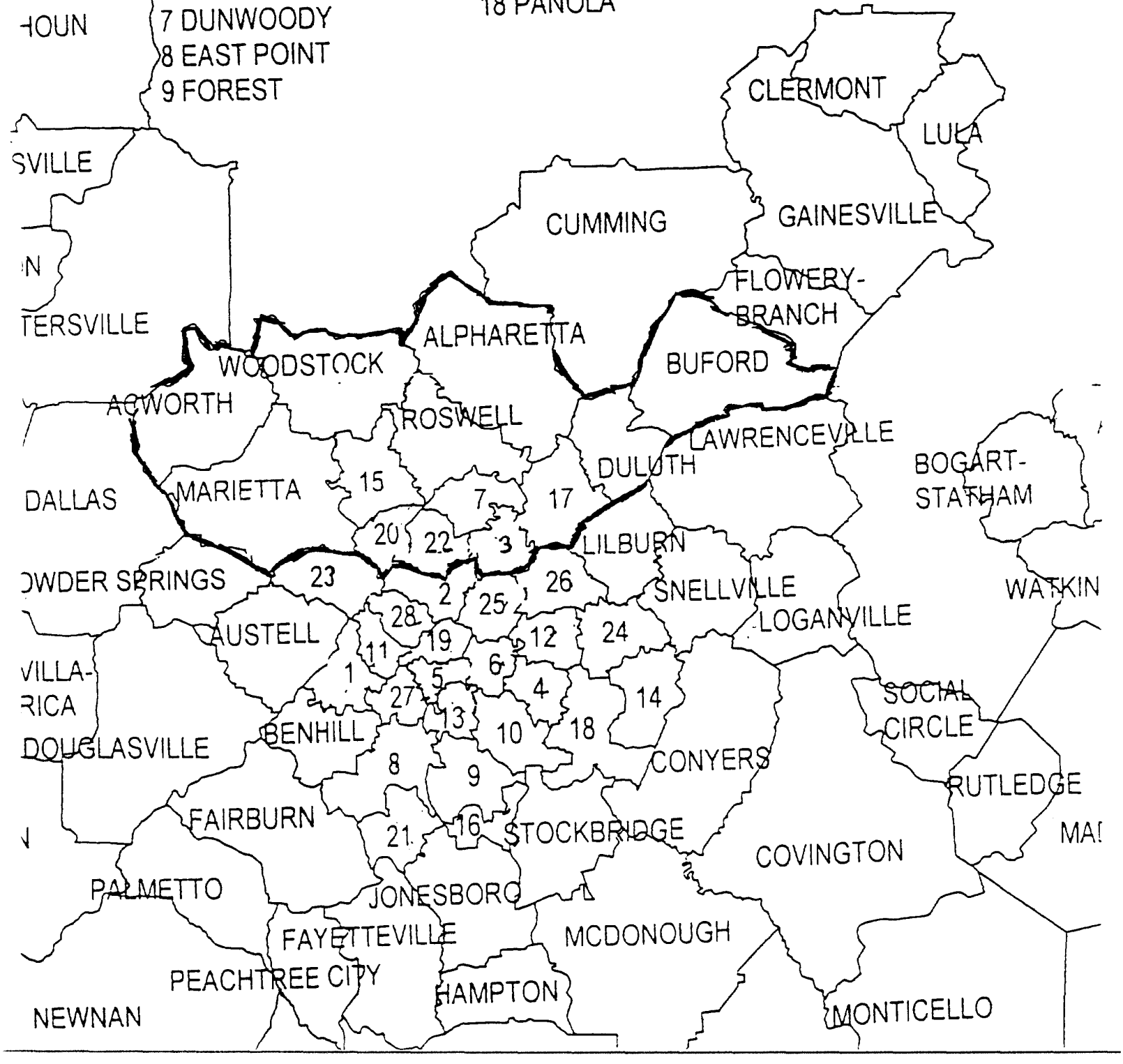
Attachment 3

NORTH

1 ADAMSVILLE
2 BUCKHEAD
3 CHAMBLEE
4 COLUMBIA DRIVE
5 COURTLAND ST
6 DECATUR(East Lake)
7 DUNWOODY
8 EAST POINT
9 FOREST
10 GRESHAM
11 HOLLYWOOD ROAD
12 INDIAN CREEK
13 LAKEWOOD
14 LITHONIA
15 MARIETTA EAST
16 MORROW
17 NORCROSS
18 PANOLA
19 PEACHTREE PLACE
20 POWERS FERRY
21 RIVERDALE
22 SANDY SPRINGS
23 SMYRNA
24 STONE MOUNTAIN
25 TOCO HILLS
26 TUCKER
27 WEST END
28 WOODLAND HILLS



BellSouth - Atlanta Area Wire Centers, by Density
Northern Atlanta-Metro Competitor

			Total Area	Total lines	Total bus lines	Total density	Bus density	Total lines selected w. centers
1.	ATLNGACS	COURTLAND STREET	10.22	105,293	53,931	10,304	5,278	
2.	ATLNGAPP	PEACHTREE PLACE	11.61	98,241	43,013	8,460	3,704	
3.	**NRCRGAMA**	**NORCROSS**	**37.50**	**102,120**	**41,684**	**2,724**	**1,112**	**102,120**
4.	**MRTTGAMA**	**MARIETTA MAIN**	**111.46**	**129,857**	**40,255**	**1,165**	**361**	**129,857**
5.	**DNWDGAMA**	**DUNWOODY**	**23.64**	**88,037**	**38,460**	**3,724**	**1,627**	**88,037**
6.	ATLNGABU	BUCKHEAD	21.25	88,677	36,993	4,173	1,741	
7.	TUKRGAMA	TUCKER	26.45	83,148	33,488	3,144	1,266	
8.	**CHMBGAMA**	**CHAMBLEE**	**20.20**	**69,376**	**29,519**	**3,435**	**1,462**	**69,376**
9.	ATLNGATH	TOCO HILLS	21.06	80,000	27,847	3,799	1,322	
10.	**ATLNGASS**	**SANDY SPRINGS**	**25.47**	**65,113**	**27,449**	**2,556**	**1,078**	**65,113**
11.	**RSWLGAMA**	**ROSWELL**	**59.92**	**90,341**	**25,946**	**1,508**	**433**	**90,341**
12.	SMYRGAMA	SMYRNA	39.90	85,801	24,529	2,150	615	
13.	**SMYRGAPF**	**POWERS FERRY**	**15.01**	**59,283**	**24,497**	**3,949**	**1,632**	**59,283**
14.	**ALPRGAMA**	**ALPHARETTA**	**111.72**	**71,174**	**23,542**	**637**	**211**	**71,174**
15.	LLBNGAMA	LILBURN	48.33	81,950	21,908	1,696	453	
16.	ATLNGAEP	EAST POINT	48.27	67,136	21,865	1,391	453	
17.	LRVLGAOS	LAWRENCEVILLE	151.06	77,028	19,648	510	130	
18.	**MRTTGAEA**	**MARIETTA EAST**	**43.88**	**64,860**	**15,271**	**1,478**	**348**	**64,860**
19.	**DLTHGAHS**	**DULUTH**	**47.67**	**43,930**	**14,856**	**922**	**312**	**43,930**
20.	ATLNGAWD	WOODLAND HILLS	13.79	38,011	14,261	2,756	1,034	
21.	ATLNGAIC	INDIAN CREEK	21.18	54,306	14,063	2,564	664	
22.	ATLNGAAD	ADAMSVILLE	21.07	33,041	12,967	1,568	616	
23.	**WDSTGACR**	**WOODSTOCK**	**95.50**	**60,038**	**12,266**	**629**	**128**	**60,038**
24.	CNYRGAMA	CONYERS	133.87	46,072	12,137	344	91	
25.	ATLNGAFP	FOREST PARK	32.56	32,991	11,168	1,013	343	
26.	RVDLGAMA	RIVERDALE	25.75	39,582	10,403	1,537	404	
27.	ATLNGAEL	DECATUR (East Lake)	16.44	39,436	9,822	2,398	597	
28.	SNVLGAMA	SNELLVILLE	68.79	45,512	8,936	662	130	
29.	DGVLGAMA	DOUGLASVILLE	171.43	42,640	8,716	249	51	
30.	JNBOGAMA	JONESBORO	74.50	49,551	8,691	665	117	
31.	PANLGAMA	PANOLA	43.10	39,192	8,254	909	192	
32.	ATLNGABH	BENHILL	42.58	26,364	7,857	619	185	
33.	ATLNGACD	COLUMBIA DRIVE	20.81	35,013	7,379	1,683	355	
34.	SNMTGALR	STONE MOUNTAIN	29.81	32,381	6,959	1,086	233	
35.	PTCYGAMA	PEACHTREE CITY	52.36	25,103	6,671	479	127	
36.	ASTLGAMA	AUSTELL	76.04	40,078	6,640	527	87	
37.	FYVLGASG	FAYETTEVILLE	117.18	25,684	6,319	219	54	
38.	**BUFRGABH**	**BUFORD**	**108.18**	**28,374**	**6,182**	**262**	**57**	**28,374**
39.	ATLNGAGR	GRESHAM	32.16	28,580	5,929	889	184	
40.	ATLNGAWE	WEST END	14.97	28,845	5,590	1,927	373	
41.	ATLNGALA	LAKEWOOD	15.06	24,389	5,569	1,620	370	
42.	FRBNGAEB	FAIRBURN	113.20	23,207	5,236	205	46	
43.	MRRWGAMA	MORROW	17.53	19,910	4,916	1,136	280	
44.	MCDNGAGS	MCDONOUGH	187.14	23,104	4,606	123	25	
45.	STBRGANH	STOCKBRIDGE	69.28	23,370	4,538	337	66	
46.	LTHNGAJS	LITHONIA	35.66	14,767	3,886	414	109	
47.	**ACWOGAMA**	**ACWORTH**	**87.00**	**21,602**	**3,708**	**248**	**43**	**21,602**
48.	DLLSGAES	DALLAS	180.85	20,712	2,951	115	16	
49.	ATLNGAHR	HOLLYWOOD ROAD	11.78	15,880	2,948	1,348	250	
50.	PWSPGAAS	POWDER SPRINGS	48.24	19,974	2,905	414	60	
51.	LGVLGACS	LOGANVILLE	62.15	8,264	1,253	133	20	
52.	HMPNGAJW	HAMPTON	55.86	5,033	907	90	16	
53.	PLMTGAMA	PALMETTO	69.89	4,341	839	62	12	
54.	Total		3,040.31	2,566,713	800,172	844	263	894,106
55.	Percent of BST-Ga.			59.1%				20.6%
56.	Competitor Data		787.15	894,106	303,636	1,136	386	

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	$ -	$ 65,247	$ 140,693	$ 690,545	$ 207,656	$ 1,807,389	$ 960,448	$ 528,751	$ 144,127	$ 4,544,856
Unit Cost/month	-	0.45	0.49	0.47	0.49	0.44	0.40	0.35	0.32	0.42
Loop Distribution (DLC)										
Annual Cost	$ -	$ 2,041,671	$ 4,346,891	$ 13,449,197	$ 2,561,208	$ 18,212,597	$ 6,213,693	$ 3,286,135	$ 603,007	$ 50,714,399
Unit Cost/month	-	14.16	15.21	9.30	7.49	5.70	3.65	3.08	2.13	5.99
Loop Distribution (non-DLC)										
Annual Cost	$ -	$ -	$ -	$ 105,289	$ 521,952	$ 4,023,660	$ 2,635,832	$ 1,339,870	$ 339,199	$ 8,965,802
Unit Cost/month	-	-	-	4.00	6.11	4.59	3.84	3.15	2.11	3.96
Loop Distribution (all)										
Annual Cost	$ -	$ 2,041,671	$ 4,346,891	$ 13,554,486	$ 3,083,161	$ 22,236,257	$ 8,849,525	$ 4,626,005	$ 942,206	$ 59,680,201
Unit Cost/month	-	14.16	15.21	9.21	7.21	5.46	3.70	3.10	2.12	5.56
Loop Concentration (DLC)										
Annual Cost	$ -	$ 556,120	$ 1,189,731	$ 5,826,322	$ 1,373,384	$ 12,719,620	$ 6,535,959	$ 4,044,089	$ 1,038,563	$ 33,283,789
Unit Cost/month	-	3.86	4.16	4.03	4.01	3.98	3.83	3.80	3.67	3.93
Loop Concentration (non-DLC)										
Annual Cost	$ -	$ -	$ -	$ 2,971	$ 10,137	$ 86,666	$ 68,507	$ 38,061	$ 12,674	$ 219,014
Unit Cost/month	-	-	-	0.11	0.12	0.10	0.10	0.09	0.08	0.10
Loop Concentration (all)										
Annual Cost	$ -	$ 556,120	$ 1,189,731	$ 5,829,293	$ 1,383,521	$ 12,806,286	$ 6,604,466	$ 4,082,150	$ 1,051,237	$ 33,502,803
Unit Cost/month	-	3.86	4.16	3.96	3.24	3.14	2.76	2.74	2.37	3.12
Loop Feeder (DLC)										
Annual Cost	$ -	$ 352,135	$ 500,866	$ 1,753,124	$ 451,384	$ 3,483,045	$ 1,653,120	$ 991,766	$ 255,543	$ 9,440,984
Unit Cost/month	-	2.44	1.75	1.21	1.32	1.09	0.97	0.93	0.90	1.11
Loop Feeder (non-DLC)										
Annual Cost	$ -	$ -	$ -	$ 46,485	$ 166,438	$ 1,496,232	$ 1,091,576	$ 652,329	$ 224,236	$ 3,677,295
Unit Cost/month	-	-	-	1.76	1.95	1.71	1.59	1.53	1.39	1.63
Loop Feeder (all)										
Annual Cost	$ -	$ 352,135	$ 500,866	$ 1,799,609	$ 617,822	$ 4,979,277	$ 2,744,696	$ 1,644,095	$ 479,778	$ 13,118,279
Unit Cost/month	-	2.44	1.75	1.22	1.45	1.22	1.15	1.10	1.08	1.22
Total Loop (DLC)										
Annual Cost	$ -	$ 3,015,174	$ 6,178,181	$ 21,706,834	$ 4,552,141	$ 35,833,860	$ 15,087,224	$ 8,699,841	$ 1,989,031	$ 97,062,285
Unit Cost/month	-	20.92	21.61	15.01	13.31	11.21	8.85	8.17	7.02	11.46
Total Loop (non-DLC)										
Annual Cost	$ -	$ -	$ -	$ 167,100	$ 740,018	$ 5,995,349	$ 4,071,911	$ 2,181,159	$ 628,317	$ 13,783,854
Unit Cost/month	-	-	-	6.34	8.66	6.84	5.92	5.13	3.91	6.09
Total Loop (all)										
Annual Cost	$ -	$ 3,015,174	$ 6,178,181	$ 21,873,934	$ 5,292,159	$ 41,829,209	$ 19,159,135	$ 10,881,000	$ 2,617,348	$ 110,846,139
Unit Cost/month	-	20.92	21.61	14.86	12.38	10.27	8.01	7.30	5.89	10.33
Total lines	-	12,012	23,821	122,684	35,629	339,396	199,311	124,250	37,003	894,106
Total lines served by DLC	-	12,012	23,821	120,489	28,510	266,388	142,036	88,790	23,599	705,646

	Annual Cost	Units		Unit Cost		Loop	Aggregated Switch	Total	Total USF
						10.33	3.93	14.26	$ 0
End office switching	$ 25,640,044								
Line Port	7,692,013	733,897	switched lines	$ 0.87	per line/month				
Non-Line Port	17,948,031	16,455,229,557	actual minutes	$ 0.00109	per actual minute (for rate per DEM, see "Cost detail" sheet)				
Signaling network elements	$ 1,229,845								
Links	975	143	links	$ 0.57	per link per month				
STP	612,498	14,681,370,234	TCAP+ISUP msgs	$ 0.00004	per signaling message				
SCP	616,372	768,105,600	TCAP queries	$ 0.00080	per query				
Transport network elements									
Dedicated									
Sw+Sp Transport	$ 1,382,890	186,546	trunks	$ 0.62	per DS-0 equivalent per month				
Switched	195,239	26,337	trunks	$ 0.00006	per minute				
Special	1,187,651	160,209	trunks						
Transmission Terminal	4,901,584	186,546	trunks	$ 2.19	per DS-0 equivalent per month				
				$ 0.00022	per minute				
				$ 0.00028	total per minute				
Common									
Transport	$ 64,762	937,686,499	minutes	$ 0.00007	per minute per leg (orig or term)				
Transmission Terminal	195,441	937,686,499	minutes	$ 0.00021	per minute				
				$ 0.00028	total per minute				
Direct									
Transport	$ 338,699	4,536,708,140	minutes	$ 0.00007	per minute				
Transmission Terminal	1,026,338	4,536,708,140	minutes	$ 0.00023	per minute				
				$ 0.00030	total per minute				
Tandem switch	$ 624,936	796,660,022	minutes	$ 0.00078	per minute				
Operator systems	$ 4,586,263								
Public Telephones	$ 3,353,368								
Total (w/ Public)	$ 154,190,309								
Total cost of switched network elements (w/o Public)	$ 14.26	per line/month							

Scenario Inputs

North - Atlanta Metro with Changes in DEMs, Messages, Tandems and STPs

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

Workfile Name: e:\hm50\WORKFILES\HMWKGA2251921.XLS
Distribution Module Name: e:\hm50\MODULES\R50a_distribution.xls
Feeder Module Name: e:\hm50\MODULES\R50a_feeder.xls
Switching Module Name: e:\hm50\MODULES\R50a_switching_io.xls
Expense Module Name: e:\hm50\MODULES\R50a_expense_density.xls

Module/Table	Scenario Inputs	Scenario Value	Default Value
Switching	Local Call Attempts	3435561	16690573
Switching	IntraLATA Calls Completed	58320	283328
Switching	InterLATA intrastate Calls Completed	61106	206866
Switching	InterLATA interstate Calls Completed	285541	1387208
Switching	Local DEMs, thousands	16247760	78934550
Switching	Intrastate DEMs, thousands	1080126	5247449
Switching	Interstate DEMs, thousands	2725506	1324100

Attachment 4

CENTRAL

1 ADAMSVILLE
2 BUCKHEAD
3 CHAMBLEE
4 COLUMBIA DRIVE
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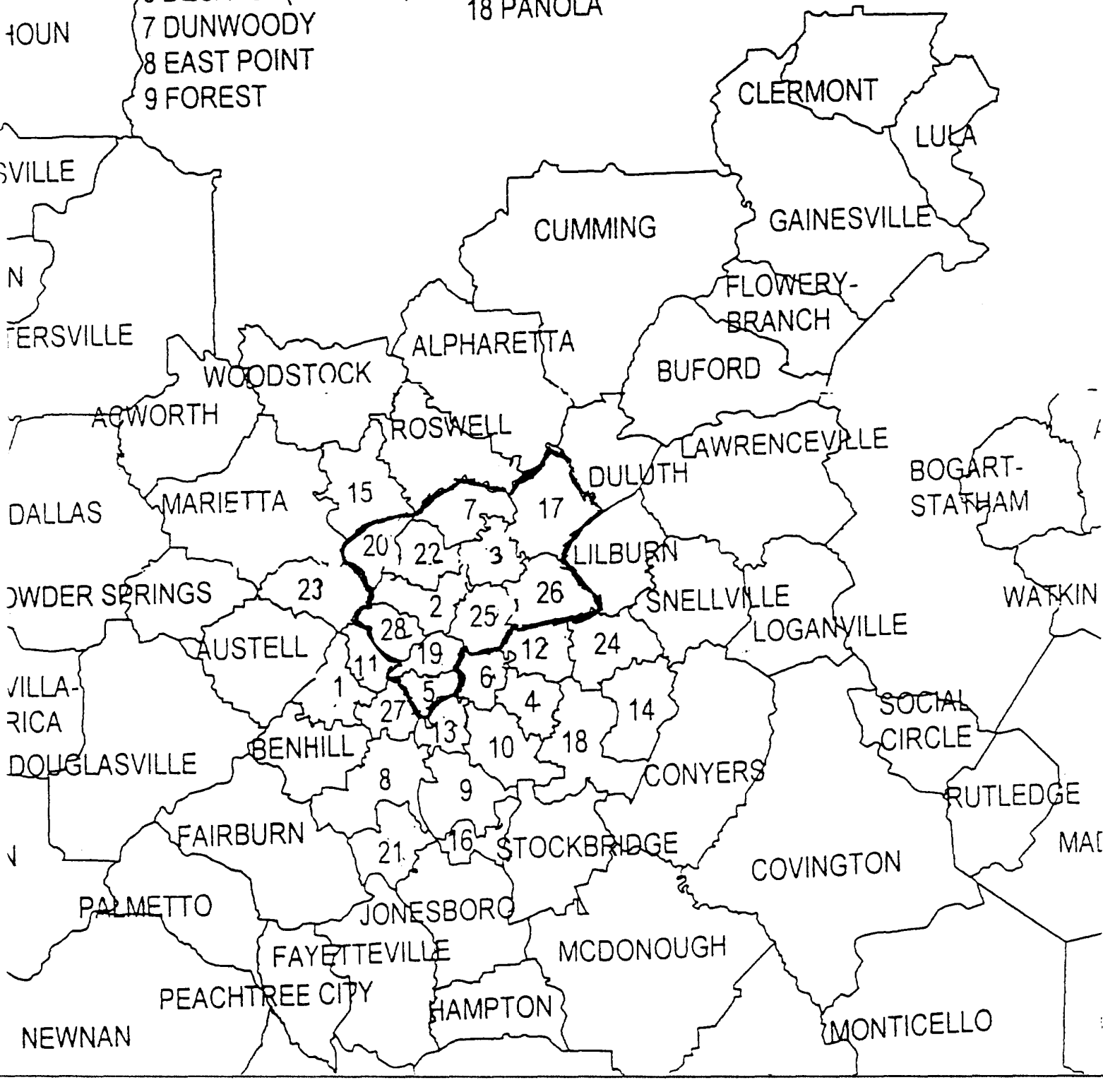

BellSouth - Atlanta Area Wire Centers, by Density
Central High Density Competitor

			Total Area	Total lines	Total bus lines	Total density	Bus density	Total lines selected w. centers
1.	**ATLNGACS**	**COURTLAND STREET**	**10.22**	**105,293**	**53,931**	**10,304**	**5,278**	**105,293**
2.	**ATLNGAPP**	**PEACHTREE PLACE**	**11.61**	**98,241**	**43,013**	**8,460**	**3,704**	**98,241**
3.	**NRCRGAMA**	**NORCROSS**	**37.50**	**102,120**	**41,684**	**2,724**	**1,112**	**102,120**
4.	MRTTGAMA	MARIETTA MAIN	111.46	129,857	40,255	1,165	361	
5.	**DNWDGAMA**	**DUNWOODY**	**23.64**	**88,037**	**38,460**	**3,724**	**1,627**	**88,037**
6.	**ATLNGABU**	**BUCKHEAD**	**21.25**	**88,677**	**36,993**	**4,173**	**1,741**	**88,677**
7.	**TUKRGAMA**	**TUCKER**	**26.45**	**83,148**	**33,488**	**3,144**	**1,266**	**83,148**
8.	**CHMBGAMA**	**CHAMBLEE**	**20.20**	**69,376**	**29,519**	**3,435**	**1,462**	**69,376**
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53.	PLMTGAMA	PALMETTO	69.89	4,341	839	62	12	
54.	Total		3,040.31	2,566,713	800,172	844	263	877,299
55.	Percent of BST-Ga.			59.1%				20.2%
56.	Competitor Data		226.20	877,299	371,142	3,878	1,641	

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	$ -	$ -	$ 973	$ 82,652	$ 34,055	$ 834,993	$ 1,475,568	$ 947,668	$ 659,826	$ 4,035,735
Unit Cost/month	-	-	0.34	0.46	0.53	0.45	0.42	0.38	0.27	0.38
Loop Distribution (DLC)										
Annual Cost	$ -	$ -	$ 24,578	$ 1,258,399	$ 474,011	$ 7,491,571	$ 9,154,029	$ 5,397,145	$ 1,131,922	$ 24,931,655
Unit Cost/month	-	-	8.67	7.72	7.36	5.25	4.05	3.34	2.17	4.12
Loop Distribution (non-DLC)										
Annual Cost	$ -	$ -	$ -	$ 54,663	$ -	$ 1,671,149	$ 4,546,707	$ 2,649,845	$ 2,615,998	$ 11,538,362
Unit Cost/month	-	-	-	3.41	-	3.88	3.61	3.09	1.37	2.58
Loop Distribution (all)										
Annual Cost	$ -	$ -	$ 24,578	$ 1,313,062	$ 474,011	$ 9,162,719	$ 13,700,737	$ 8,046,990	$ 3,747,920	$ 36,470,017
Unit Cost/month	-	-	8.67	7.33	7.36	4.93	3.89	3.25	1.54	3.46
Loop Concentration (DLC)										
Annual Cost	$ -	$ -	$ 20,252	$ 709,453	$ 279,836	$ 6,071,308	$ 9,117,048	$ 6,441,033	$ 1,985,709	$ 24,624,638
Unit Cost/month	-	-	7.14	4.35	4.35	4.26	4.03	3.98	3.80	4.07
Loop Concentration (non-DLC)										
Annual Cost	$ -	$ -	$ -	$ 1,537	$ -	$ 42,894	$ 125,903	$ 81,339	$ 155,747	$ 407,420
Unit Cost/month	-	-	-	0.10	-	0.10	0.10	0.10	0.08	0.09
Loop Concentration (all)										
Annual Cost	$ -	$ -	$ 20,252	$ 710,990	$ 279,836	$ 6,114,202	$ 9,242,950	$ 6,522,372	$ 2,141,456	$ 25,032,058
Unit Cost/month	-	-	7.14	3.97	4.35	3.29	2.63	2.64	0.88	2.38
Loop Feeder (DLC)										
Annual Cost	$ -	$ -	$ 21,362	$ 254,730	$ 90,562	$ 1,777,997	$ 2,489,673	$ 1,761,587	$ 536,791	$ 6,932,702
Unit Cost/month	-	-	7.54	1.56	1.41	1.25	1.10	1.09	1.03	1.14
Loop Feeder (non-DLC)										
Annual Cost	$ -	$ -	$ -	$ 21,189	$ -	$ 767,468	$ 2,081,366	$ 1,469,510	$ 3,166,103	$ 7,505,635
Unit Cost/month	-	-	-	1.32	-	1.78	1.65	1.72	1.66	1.68
Loop Feeder (all)										
Annual Cost	$ -	$ -	$ 21,362	$ 275,919	$ 90,562	$ 2,545,465	$ 4,571,039	$ 3,231,097	$ 3,702,894	$ 14,438,338
Unit Cost/month	-	-	7.54	1.54	1.41	1.37	1.30	1.31	1.52	1.37
Total Loop (DLC)										
Annual Cost	$ -	$ -	$ 67,166	$ 2,297,834	$ 878,464	$ 15,982,222	$ 21,708,341	$ 14,219,476	$ 3,796,277	$ 58,949,780
Unit Cost/month	-	-	23.70	14.09	13.64	11.21	9.60	8.79	7.27	9.73
Total Loop (non-DLC)										
Annual Cost	$ -	$ -	$ -	$ 84,789	$ -	$ 2,675,157	$ 7,281,953	$ 4,528,650	$ 6,455,819	$ 21,026,368
Unit Cost/month	-	-	-	5.29	-	6.21	5.78	5.29	3.38	4.70
Total Loop (all)										
Annual Cost	$ -	$ -	$ 67,166	$ 2,382,623	$ 878,464	$ 18,657,379	$ 28,990,293	$ 18,748,127	$ 10,252,096	$ 79,976,148
Unit Cost/month	-	-	23.70	13.31	13.64	10.05	8.24	7.58	4.22	7.60
Total lines	-	-	236	14,923	5,366	154,746	293,360	206,170	202,499	877,299
Total lines served by DLC	-	-	236	13,586	5,366	118,858	188,392	134,821	43,535	504,795

	Annual Cost	Units		Unit Cost		Loop	Aggregated Switch	Total	Total USF
						7.60	4.08	11.68	$ 0
End office switching	$ 24,727,598								
Line Port	7,418,280	681,471	switched lines	$ 0.91	per line/month				
Non-Line Port	17,309,319	16,145,904,695	actual minutes	$ 0.00107	per actual minute (for rate per DEM, see "Cost detail" sheet)				
Signaling network elements	$ 1,297,852								
Links	370	140	links	$ 0.22	per link per month				
STP	633,018	14,405,208,810	TCAP+ISUP msgs	$ 0.00004	per signaling message				
SCP	664,464	753,656,600	TCAP queries	$ 0.00088	per query				
Transport network elements									
Dedicated									
Sw+Sp Transport	$ 792,572	221,668	trunks	$ 0.30	per DS-0 equivalent per month				
Switched	92,391	25,840	trunks	$ 0.00003	per minute				
Special	700,181	195,828	trunks						
Transmission Terminal	5,983,483	221,668	trunks	$ 2.25	per DS-0 equivalent per month				
				$ 0.00022	per minute				
				$ 0.00025	total per minute				
Common									
Transport	$ 27,250	920,059,925	minutes	$ 0.00003	per minute per leg (orig or term)				
Transmission Terminal	194,639	920,059,925	minutes	$ 0.00022	per minute				
				$ 0.00025	total per minute				
Direct									
Transport	$ 143,440	4,451,424,731	minutes	$ 0.00003	per minute				
Transmission Terminal	1,024,852	4,451,424,731	minutes	$ 0.00023	per minute				
				$ 0.00026	total per minute				
Tandem switch	$ 633,473	781,685,073	minutes	$ 0.00081	per minute				
Operator systems	$ 4,516,630								
Public Telephones	$ 4,244,393								
Total (w/ Public)	$ 123,562,330								
Total cost of switched network elements (w/o Public)	$ 11.68	per line/month							

Scenario Inputs

Central - Atlanta Metro with Changes in DEMs, Messages, Tandems and STPs

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

Workfile Name: e:\hm50\WORKFILES\HMWKGA2251921.XLS
Distribution Module Name: e:\hm50\MODULES\R50a_distribution.xls
Feeder Module Name: e:\hm50\MODULES\R50a_feeder.xls
Switching Module Name: e:\hm50\MODULES\R50a_switching_io.xls
Expense Module Name: e:\hm50\MODULES\R50a_expense_density.xls

Module/Table	Scenario Input	Scenario Value	Default Value
Switching	Local Call Attempts	3370929	16690573
Switching	IntraLATA Calls Completed	57223	283328
Switching	InterLATA intrastate Calls Completed	59958	296866
Switching	InterLATA interstate Calls Completed	280173	1387208
Switching	Local DEMs, thousands	15942335	78934550
Switching	Intrastate DEMs, thousands	1059822	5247449
Switching	Interstate DEMs, thousands	2674272	13241000

Attachment 5

SOUTH

1 ADAMSVILLE
2 BUCKHEAD
3 CHAMBLEE
4 COLUMBIA DRIVE
5 COURTLAND ST
6 DECATUR(East Lake)
7 DUNWOODY
8 EAST POINT
9 FOREST
10 GRESHAM
11 HOLLYWOOD ROAD
12 INDIAN CREEK
13 LAKEWOOD
14 LITHONIA
15 MARIETTA EAST
16 MORROW
17 NORCROSS
18 PANOLA
19 PEACHTREE PLACE
20 POWERS FERRY
21 RIVERDALE
22 SANDY SPRINGS
23 SMYRNA
24 STONE MOUNTAIN
25 TOCO HILLS
26 TUCKER
27 WEST END
28 WOODLAND HILLS

BellSouth - Atlanta Area Wire Centers, by Density
Southern Atlanta-Metro Competitor

			Total Area	Total lines	Total bus lines	Total density	Bus density	Total lines selected w. centers
1.	ATLNGACS	COURTLAND STREET	10.22	105,293	53,931	10,304	5,278	105,293
2.	ATLNGAPP	PEACHTREE PLACE	11.61	98,241	43,013	8,460	3,704	98,241
3.	NRCRGAMA	NORCROSS	37.50	102,120	41,684	2,724	1,112	
4.	MRTTGAMA	MARIETTA MAIN	111.46	129,857	40,255	1,165	361	
5.	DNWDGAMA	DUNWOODY	23.64	88,037	38,460	3,724	1,627	
6.	ATLNGABU	BUCKHEAD	21.25	88,677	36,993	4,173	1,741	
7.	TUKRGAMA	TUCKER	26.45	83,148	33,488	3,144	1,266	
8.	CHMBGAMA	CHAMBLEE	20.20	69,376	29,519	3,435	1,462	
9.	ATLNGATH	TOCO HILLS	21.06	80,000	27,847	3,799	1,322	
10.	ATLNGASS	SANDY SPRINGS	25.47	65,113	27,449	2,556	1,078	
11.	RSWLGAMA	ROSWELL	59.92	90,341	25,946	1,508	433	
12.	SMYRGAMA	SMYRNA	39.90	85,801	24,529	2,150	615	
13.	SMYRGAPF	POWERS FERRY	15.01	59,283	24,497	3,949	1,632	
14.	ALPRGAMA	ALPHARETTA	111.72	71,174	23,542	637	211	
15.	LLBNGAMA	LILBURN	48.33	81,950	21,908	1,696	453	
16.	ATLNGAEP	EAST POINT	48.27	67,136	21,865	1,391	453	67,136
17.	LRVLGAOS	LAWRENCEVILLE	151.06	77,028	19,648	510	130	
18.	MRTTGAEA	MARIETTA EAST	43.88	64,860	15,271	1,478	348	
19.	DLTHGAHS	DULUTH	47.67	43,930	14,856	922	312	
20.	ATLNGAWD	WOODLAND HILLS	13.79	38,011	14,261	2,756	1,034	
21.	ATLNGAIC	INDIAN CREEK	21.18	54,306	14,063	2,564	664	
22.	ATLNGAAD	ADAMSVILLE	21.07	33,041	12,967	1,568	616	33,041
23.	WDSTGACR	WOODSTOCK	95.50	60,038	12,266	629	128	
24.	CNYRGAMA	CONYERS	133.87	46,072	12,137	344	91	46,072
25.	ATLNGAFP	FOREST PARK	32.56	32,991	11,168	1,013	343	32,991
26.	RVDLGAMA	RIVERDALE	25.75	39,582	10,403	1,537	404	39,582
27.	ATLNGAEL	DECATUR (East Lake)	16.44	39,436	9,822	2,398	597	39,436
28.	SNVLGAMA	SNELLVILLE	68.79	45,512	8,936	662	130	
29.	DGVLGAMA	DOUGLASVILLE	171.43	42,640	8,716	249	51	42,640
30.	JNBOGAMA	JONESBORO	74.50	49,551	8,691	665	117	49,551
31.	PANLGAMA	PANOLA	43.10	39,192	8,254	909	192	39,192
32.	ATLNGABH	BENHILL	42.58	26,364	7,857	619	185	26,364
33.	ATLNGACD	COLUMBIA DRIVE	20.81	35,013	7,379	1,683	355	35,013
34.	SNMTGALR	STONE MOUNTAIN	29.81	32,381	6,959	1,086	233	
35.	PTCYGAMA	PEACHTREE CITY	52.36	25,103	6,671	479	127	25,103
36.	ASTLGAMA	AUSTELL	76.04	40,078	6,640	527	87	
37.	FYVLGASG	FAYETTEVILLE	117.18	25,684	6,319	219	54	25,684
38.	BUFRGABH	BUFORD	108.18	28,374	6,182	262	57	
39.	ATLNGAGR	GRESHAM	32.16	28,580	5,929	889	184	28,580
40.	ATLNGAWE	WEST END	14.97	28,845	5,590	1,927	373	28,845
41.	ATLNGALA	LAKEWOOD	15.06	24,389	5,569	1,620	370	24,389
42.	FRBNGAEB	FAIRBURN	113.20	23,207	5,236	205	46	23,207
43.	MRRWGAMA	MORROW	17.53	19,910	4,916	1,136	280	19,910
44.	MCDNGAGS	MCDONOUGH	187.14	23,104	4,606	123	25	23,104
45.	STBRGANH	STOCKBRIDGE	69.28	23,370	4,538	337	66	23,370
46.	LTHNGAJS	LITHONIA	35.66	14,767	3,886	414	109	14,767
47.	ACWOGAMA	ACWORTH	87.00	21,602	3,708	248	43	
48.	DLLSGAES	DALLAS	180.85	20,712	2,951	115	16	
49.	ATLNGAHR	HOLLYWOOD ROAD	11.78	15,880	2,948	1,348	250	15,880
50.	PWSPGAAS	POWDER SPRINGS	48.24	19,974	2,905	414	60	
51.	LGVLGACS	LOGANVILLE	62.15	8,264	1,253	133	20	
52.	HMPNGAJW	HAMPTON	55.86	5,033	907	90	16	5,033
53.	PLMTGAMA	PALMETTO	69.89	4,341	839	62	12	4,341
54.	Total		3,040.31	2,566,713	800,172	844	263	916,765
55.	Percent of BST-Ga.			59.1%				21.1%
56.	Competitor Data		1,444.25	916,765	274,155	635	190	

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	$ -	$ 183,584	$ 217,436	$ 920,376	$ 245,215	$ 1,861,094	$ 666,569	$ 272,132	$ 345,777	$ 4,712,182
Unit Cost/month	-	0.50	0.49	0.48	0.46	0.46	0.43	0.39	0.24	0.43
Loop Distribution (DLC)										
Annual Cost	$ -	$ 7,176,510	$ 6,823,444	$ 17,765,404	$ 2,864,542	$ 15,834,218	$ 3,738,665	$ 1,329,717	$ 230,987	$ 55,763,487
Unit Cost/month	-	19.47	16.37	10.45	7.30	5.80	4.11	3.74	2.55	8.01
Loop Distribution (non-DLC)										
Annual Cost	$ -	$ -	$ 269,970	$ 1,663,519	$ 825,140	$ 6,997,045	$ 2,836,296	$ 935,007	$ 1,616,300	$ 15,143,277
Unit Cost/month	-	-	11.39	7.77	5.96	5.36	4.40	2.79	1.17	3.75
Loop Distribution (all)										
Annual Cost	$ -	$ 7,176,510	$ 7,093,415	$ 19,428,923	$ 3,689,682	$ 22,831,264	$ 6,574,961	$ 2,264,723	$ 1,847,287	$ 70,906,764
Unit Cost/month	-	19.47	16.10	10.15	6.95	5.66	4.23	3.28	1.26	6.45
Loop Concentration (DLC)										
Annual Cost	$ -	$ 1,772,163	$ 1,778,484	$ 7,045,540	$ 1,585,536	$ 10,930,871	$ 3,575,669	$ 1,372,177	$ 367,304	$ 28,427,744
Unit Cost/month	-	4.81	4.27	4.15	4.04	4.01	3.93	3.86	4.05	4.08
Loop Concentration (non-DLC)										
Annual Cost	$ -	$ -	$ 2,846	$ 22,717	$ 13,694	$ 134,546	$ 64,550	$ 30,068	$ 107,486	$ 375,908
Unit Cost/month	-	-	0.12	0.11	0.10	0.10	0.10	0.09	0.08	0.09
Loop Concentration (all)										
Annual Cost	$ -	$ 1,772,163	$ 1,781,330	$ 7,068,258	$ 1,599,230	$ 11,065,418	$ 3,640,219	$ 1,402,245	$ 474,789	$ 28,803,652
Unit Cost/month	-	4.81	4.04	3.69	3.01	2.74	2.34	2.03	0.32	2.62
Loop Feeder (DLC)										
Annual Cost	$ -	$ 1,645,150	$ 897,190	$ 1,948,298	$ 397,401	$ 2,789,697	$ 939,892	$ 410,715	$ 94,903	$ 9,123,246
Unit Cost/month	-	4.46	2.15	1.15	1.01	1.02	1.03	1.16	1.05	1.31
Loop Feeder (non-DLC)										
Annual Cost	$ -	$ -	$ 75,167	$ 403,364	$ 282,339	$ 2,314,343	$ 1,158,959	$ 622,637	$ 2,068,622	$ 6,925,431
Unit Cost/month	-	-	3.17	1.88	2.04	1.77	1.80	1.86	1.50	1.71
Loop Feeder (all)										
Annual Cost	$ -	$ 1,645,150	$ 972,357	$ 2,351,662	$ 679,740	$ 5,104,040	$ 2,098,851	$ 1,033,352	$ 2,163,525	$ 16,048,678
Unit Cost/month	-	4.46	2.21	1.23	1.28	1.27	1.35	1.50	1.47	1.46
Total Loop (DLC)										
Annual Cost	$ -	$ 10,777,407	$ 9,704,855	$ 27,576,590	$ 5,028,765	$ 30,813,537	$ 8,844,566	$ 3,252,719	$ 714,557	$ 96,512,995
Unit Cost/month	-	29.24	23.28	16.23	12.81	11.30	9.49	9.15	7.88	13.86
Total Loop (non-DLC)										
Annual Cost	$ -	$ -	$ 359,682	$ 2,192,629	$ 1,185,102	$ 10,048,278	$ 4,336,034	$ 1,719,733	$ 4,116,821	$ 23,958,281
Unit Cost/month	-	-	15.18	10.24	8.56	7.70	6.73	5.13	2.99	5.93
Total Loop (all)										
Annual Cost	$ -	$ 10,777,407	$ 10,064,537	$ 29,769,219	$ 6,213,867	$ 40,861,815	$ 12,980,600	$ 4,972,452	$ 4,831,378	$ 120,471,275
Unit Cost/month	-	29.24	22.85	15.56	11.70	10.13	8.35	7.20	3.29	10.95
Total lines	-	30,716	36,710	159,456	44,257	336,115	129,601	57,538	122,371	916,765
Total lines served by DLC	-	30,716	34,735	141,606	32,719	227,331	75,894	29,624	7,560	580,186

	Annual Cost	Units		Unit Cost		
End office switching	$ 26,107,725					
Line Port	7,832,317	772,111	switched lines	$ 0.85	per line/month	
Non-Line Port	18,275,407	16,872,247,780	actual minutes	$ 0.00108	per actual minute	(for rate per DEM, see "Cost detail" sheet)
Signaling network elements	$ 1,239,778					
Links	1,976	153	links	$ 1.08	per link per month	
STP	624,481	15,053,430,895	TCAP+ISUP msgs	$ 0.00004	per signaling message	
SCP	613,321	787,571,200	TCAP queries	$ 0.00078	per query	
Transport network elements						
Dedicated						
Sw+Sp Transport	$ 1,634,844	171,671	trunks	$ 0.79	per DS-0 equivalent per month	
Switched	257,286	27,017	trunks	$ 0.00008	per minute	
Special	1,377,558	144,654	trunks			
Transmission Terminal	5,565,902	171,671	trunks	$ 2.70	per DS-0 equivalent per month	
				$ 0.00027	per minute	
				$ 0.00035	total per minute	
Common						
Transport	$ 94,154	961,449,982	minutes	$ 0.00010	per minute per leg (orig or term)	
Transmission Terminal	263,271	961,449,982	minutes	$ 0.00028	per minute	
				$ 0.00037	total per minute	
Direct						
Transport	$ 473,605	4,651,679,359	minutes	$ 0.00010	per minute	
Transmission Terminal	1,353,074	4,651,679,359	minutes	$ 0.00029	per minute	
				$ 0.00039	total per minute	
Tandem switch	$ 640,067	816,849,667	minutes	$ 0.00078	per minute	
Operator systems	$ 4,787,674					
Public Telephones	$ 3,073,860					
Total (w/ Public)	$ 165,705,230					
Total cost of switched network elements (w/o Public)	$ 14.85	per line/month				

Loop	Aggregated Switch	Total	Total USF
10.95	3.90	14.85	$ 516,326

South - Atlanta Metro with Changes in DEMs, Messages, Tandems and STPs

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

Workfile Name: e:\hm50\WORKFILES\HMWKGA2251921.XLS
Distribution Module Name: e:\hm50\MODULES\R50a_distribution.xls
Feeder Module Name: e:\hm50\MODULES\R50a_feeder.xls
Switching Module Name: e:\hm50\MODULES\R50a_switching_io.xls
Expense Module Name: e:\hm50\MODULES\R50a_expense_density.xls

Module/Table	Scenario Input	Scenario Value	Default Value
Switching	Local Call Attempts	3522626	16690573
Switching	IntraLATA Calls Completed	59798	283328
Switching	InterLATA intrastate Calls Completed	62655	296866
Switching	InterLATA interstate Calls Completed	292777	1387208
Switching	Local DEMs, thousands	16659520	78934550
Switching	Intrastate DEMs, thousands	1107500	5247449
Switching	Interstate DEMs, thousands	2794577	13241000

Attachment 6

ATLANTA

1 ADAMSVILLE
2 BUCKHEAD
3 CHAMBLEE
4 COLUMBIA DRIVE
5 COURTLAND ST
6 DECATUR(East Lake)
7 DUNWOODY
8 EAST POINT
9 FOREST
10 GRESHAM
11 HOLLYWOOD ROAD
12 INDIAN CREEK
13 LAKEWOOD
14 LITHONIA
15 MARIETTA EAST
16 MORROW
17 NORCROSS
18 PANOLA
19 PEACHTREE PLACE
20 POWERS FERRY
21 RIVERDALE
22 SANDY SPRINGS
23 SMYRNA
24 STONE MOUNTAIN
25 TOCO HILLS
26 TUCKER
27 WEST END
28 WOODLAND HILLS

BellSouth - Atlanta Area Wire Centers, by Density
Atlanta-Metro Competitor

			Total Area	Total lines	Total bus lines	Total density	Bus density	Total lines selected w. centers
1.	ATLNGACS	COURTLAND ST	10.22	105,293	53,931	10,304	5,278	105,293
2.	ATLNGAPP	PEACHTREE PL	11.61	98,241	43,013	8,460	3,704	98,241
3.	NRCRGAMA	NORCROSS	37.50	102,120	41,684	2,724	1,112	102,120
4.	MRTTGAMA	MARIETTA MAIN	111.46	129,857	40,255	1,165	361	129,857
5.	DNWDGAMA	DUNWOODY	23.64	88,037	38,460	3,724	1,627	88,037
6.	ATLNGABU	BUCKHEAD	21.25	88,677	36,993	4,173	1,741	88,677
7.	TUKRGAMA	TUCKER	26.45	83,148	33,488	3,144	1,266	83,148
8.	CHMBGAMA	CHAMBLEE	20.20	69,376	29,519	3,435	1,462	69,376
9.	ATLNGATH	TOCO HILLS	21.06	80,000	27,847	3,799	1,322	80,000
10.	ATLNGASS	SANDY SPRING	25.47	65,113	27,449	2,556	1,078	65,113
11.	RSWLGAMA	ROSWELL	59.92	90,341	25,946	1,508	433	90,341
12.	SMYRGAMA	SMYRNA	39.90	85,801	24,529	2,150	615	85,801
13.	SMYRGAPF	POWERS FERR	15.01	59,283	24,497	3,949	1,632	59,283
14.	ALPRGAMA	ALPHARETTA	111.72	71,174	23,542	637	211	71,174
15.	LLBNGAMA	LILBURN	48.33	81,950	21,908	1,696	453	81,950
16.	ATLNGAEP	EAST POINT	48.27	67,136	21,865	1,391	453	67,136
17.	LRVLGAOS	LAWRENCEVILL	151.06	77,028	19,648	510	130	77,028
18.	MRTTGAEA	MARIETTA EAST	43.88	64,860	15,271	1,478	348	64,860
19.	DLTHGAHS	DULUTH	47.67	43,930	14,856	922	312	43,930
20.	ATLNGAWD	WOODLAND HIL	13.79	38,011	14,261	2,756	1,034	38,011
21.	ATLNGAIC	INDIAN CREEK	21.18	54,306	14,063	2,564	664	54,306
22.	ATLNGAAD	ADAMSVILLE	21.07	33,041	12,967	1,568	616	33,041
23.	WDSTGACR	WOODSTOCK	95.50	60,038	12,266	629	128	60,038
24.	CNYRGAMA	CONYERS	133.87	46,072	12,137	344	91	46,072
25.	ATLNGAFP	FOREST PARK	32.56	32,991	11,168	1,013	343	32,991
26.	RVDLGAMA	RIVERDALE	25.75	39,582	10,403	1,537	404	39,582
27.	ATLNGAEL	DECATUR (East	16.44	39,436	9,822	2,398	597	39,436
28.	SNVLGAMA	SNELLVILLE	68.79	45,512	8,936	662	130	45,512
29.	DGVLGAMA	DOUGLASVILLE	171.43	42,640	8,716	249	51	42,640
30.	JNBOGAMA	JONESBORO	74.50	49,551	8,691	665	117	49,551
31.	PANLGAMA	PANOLA	43.10	39,192	8,254	909	192	39,192
32.	ATLNGABH	BENHILL	42.58	26,364	7,857	619	185	26,364
33.	ATLNGACD	COLUMBIA DRIV	20.81	35,013	7,379	1,683	355	35,013
34.	SNMTGALR	STONE MOUNT	29.81	32,381	6,959	1,086	233	32,381
35.	PTCYGAMA	PEACHTREE CI	52.36	25,103	6,671	479	127	25,103
36.	ASTLGAMA	AUSTELL	76.04	40,078	6,640	527	87	40,078
37.	FYVLGASG	FAYETTEVILLE	117.18	25,684	6,319	219	54	25,684
38.	BUFRGABH	BUFORD	108.18	28,374	6,182	262	57	28,374
39.	ATLNGAGR	GRESHAM	32.16	28,580	5,929	889	184	28,580
40.	ATLNGAWE	WEST END	14.97	28,845	5,590	1,927	373	28,845
41.	ATLNGALA	LAKEWOOD	15.06	24,389	5,569	1,620	370	24,389
42.	FRBNGAEB	FAIRBURN	113.20	23,207	5,236	205	46	23,207
43.	MRRWGAMA	MORROW	17.53	19,910	4,916	1,136	280	19,910
44.	MCDNGAGS	MCDONOUGH	187.14	23,104	4,606	123	25	23,104
45.	STBRGANH	STOCKBRIDGE	69.28	23,370	4,538	337	66	23,370
46.	LTHNGAJS	LITHONIA	35.66	14,767	3,886	414	109	14,767
47.	ACWOGAMA	ACWORTH	87.00	21,602	3,708	248	43	21,602
48.	DLLSGAES	DALLAS	180.85	20,712	2,951	115	16	20,712
49.	ATLNGAHR	HOLLYWOOD R	11.78	15,880	2,948	1,348	250	15,880
50.	PWSPGAAS	POWDER SPRIN	48.24	19,974	2,905	414	60	19,974
51.	LGVLGACS	LOGANVILLE	62.15	8,264	1,253	133	20	8,264
52.	HMPNGAJW	HAMPTON	55.86	5,033	907	90	16	5,033
53.	PLMTGAMA	PALMETTO	69.89	4,341	839	62	12	4,341
54.	Total		3,040.31	2,566,713	800,172	844	263	2,566,713
55.	Percent of BST-Ga.			59.1%				59.1%
56.	Competitor Data		3,040.31	2,566,713	800,172	844	263	

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	$ -	$ 299,955	$ 550,906	$ 2,033,242	$ 712,370	$ 5,115,686	$ 2,652,080	$ 1,214,812	$ 720,321	$ 13,299,372
Unit Cost/month	-	0.49	0.50	0.48	0.48	0.46	0.42	0.37	0.27	0.43
Loop Distribution (DLC)										
Annual Cost	$ -	$ 11,312,207	$ 16,671,977	$ 39,815,943	$ 8,760,970	$ 49,127,327	$ 16,040,696	$ 7,381,356	$ 1,364,933	$ 150,475,408
Unit Cost/month	-	18.62	15.37	10.16	7.33	5.82	3.95	3.24	2.21	6.78
Loop Distribution (non-DLC)										
Annual Cost	$ -	$ -	$ 271,308	$ 2,173,096	$ 1,756,171	$ 13,609,527	$ 8,978,546	$ 3,010,376	$ 2,868,641	$ 32,667,664
Unit Cost/month	-	-	11.45	7.07	6.04	5.08	3.95	3.06	1.41	3.80
Loop Distribution (all)										
Annual Cost	$ -	$ 11,312,207	$ 16,943,284	$ 41,989,039	$ 10,517,141	$ 62,736,853	$ 25,019,242	$ 10,391,731	$ 4,233,574	$ 183,143,073
Unit Cost/month	-	18.62	15.29	9.93	7.08	5.64	3.95	3.19	1.59	5.95
Loop Concentration (DLC)										
Annual Cost	$ -	$ 2,853,255	$ 4,577,984	$ 16,121,779	$ 4,831,465	$ 33,760,301	$ 15,778,017	$ 8,706,030	$ 2,268,019	$ 88,896,849
Unit Cost/month	-	4.70	4.22	4.11	4.04	4.00	3.89	3.82	3.66	4.00
Loop Concentration (non-DLC)										
Annual Cost	$ -	$ -	$ 2,861	$ 32,395	$ 31,728	$ 273,003	$ 225,450	$ 90,231	$ 161,715	$ 817,382
Unit Cost/month	-	-	0.12	0.11	0.11	0.10	0.10	0.09	0.08	0.10
Loop Concentration (all)										
Annual Cost	$ -	$ 2,853,255	$ 4,580,845	$ 16,154,174	$ 4,863,192	$ 34,033,304	$ 16,003,467	$ 8,796,260	$ 2,429,734	$ 89,714,232
Unit Cost/month	-	4.70	4.13	3.82	3.27	3.06	2.53	2.70	0.91	2.91
Loop Feeder (DLC)										
Annual Cost	$ -	$ 2,496,869	$ 2,080,694	$ 4,685,611	$ 1,387,230	$ 8,708,994	$ 4,095,135	$ 2,254,385	$ 599,888	$ 26,308,805
Unit Cost/month	-	4.11	1.92	1.20	1.16	1.03	1.01	0.99	0.97	1.18
Loop Feeder (non-DLC)										
Annual Cost	$ -	$ -	$ 75,555	$ 535,885	$ 617,414	$ 4,639,155	$ 3,752,824	$ 1,632,347	$ 3,229,658	$ 14,482,838
Unit Cost/month	-	-	3.19	1.74	2.12	1.73	1.65	1.66	1.58	1.68
Loop Feeder (all)										
Annual Cost	$ -	$ 2,496,869	$ 2,156,249	$ 5,221,496	$ 2,004,644	$ 13,348,148	$ 7,847,959	$ 3,886,732	$ 3,829,546	$ 40,791,643
Unit Cost/month	-	4.11	1.95	1.23	1.35	1.20	1.24	1.19	1.44	1.32
Total Loop (DLC)										
Annual Cost	$ -	$ 16,962,287	$ 23,869,776	$ 62,508,805	$ 15,552,662	$ 95,480,179	$ 37,614,480	$ 19,190,193	$ 4,400,425	$ 275,578,806
Unit Cost/month	-	27.92	22.01	15.94	13.02	11.31	9.26	8.42	7.11	12.41
Total Loop (non-DLC)										
Annual Cost	$ -	$ -	$ 361,507	$ 2,889,146	$ 2,544,685	$ 19,753,813	$ 13,908,269	$ 5,099,342	$ 6,812,750	$ 51,369,513
Unit Cost/month	-	-	15.25	9.40	8.76	7.38	6.12	5.18	3.34	5.98
Total Loop (all)										
Annual Cost	$ -	$ 16,962,287	$ 24,231,283	$ 65,397,951	$ 18,097,348	$ 115,233,992	$ 51,522,749	$ 24,289,535	$ 11,213,175	$ 326,948,319
Unit Cost/month	-	27.92	21.87	15.47	12.18	10.37	8.14	7.45	4.22	10.62
Total lines	-	50,635	92,340	352,337	123,781	926,356	527,748	271,829	221,688	2,566,713
Total lines served by DLC	-	50,635	90,365	326,730	99,563	703,240	338,415	189,845	51,576	1,850,370

ATTACHMENT B

Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, D.C. 20554

In the Matter of	)	
	)	
Implementation of the Local Competition Provisions in the Telecommunications Act of 1996	)	CC Docket No. 96-98
	)	
Interconnection between Local Exchange Carriers and Commercial Mobile Radio Service Providers	)	CC Docket No. 95-185

REPLY AFFIDAVIT OF

JERRY A. HAUSMAN AND J. GREGORY SIDAK

IN RESPONSE TO

SECOND FURTHER NOTICE OF PROPOSED RULEMAKING

Introduction

Summary of Conclusions

I. Professors Hubbard, Lehr, and Willig Flout the Supreme Court's Decision in *Iowa Utilities Board* by Subordinating Consumer Welfare to Competitor Welfare

II. Contrary to the Claims of Professors Hubbard, Lehr, and Willig, Mandatory Unbundling at TELRIC Prices Will Not Stimulate CLEC Investment in Network Facilities

III. Contrary to the Claims of Professors Hubbard, Lehr, and Willig, Mandatory Unbundling at TELRIC Prices Is Not Necessary to Protect Consumers in Related

Telecommunications Markets

IV. The Hubbard-Lehr-Willig Competitor-Welfare Standard Is Ill-Conceived and Unworkable
  A. Professors Hubbard, Lehr, and Willig Fail to Articulate a Coherent Competitor-Welfare Standard
  B. The Competitive Entry Assumptions of Professors Hubbard, Lehr, and Willig Are Incorrect in Theory and Practice

V. Professors Hubbard, Lehr, and Willig Cannot Reconcile Their Recommendation of Uniform Nationwide Unbundling Outcomes with Consumer Welfare or the Accepted Techniques of Competitive Analysis

Conclusion

INTRODUCTION

Jerry A. Hausman and J. Gregory Sidak, being duly sworn, depose and say:

1. We have been asked by BellSouth Corporation to submit expert reply testimony that analyzes the positions advocated in the affidavit of Professors R. Glenn Hubbard, William H. Lehr, and Robert D. Willig on behalf of AT&T Corp., filed on May 26, 1999 in the initial round of comments in this *Second Further Notice of Proposed Rulemaking*.[1] Our qualifications for submitting this expert testimony are presented in our affidavit on behalf of the United States Telephone Association, also submitted in this proceeding on May 26, 1999.[2]

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1. Affidavit of R. Glenn Hubbard, William H. Lehr, and Robert D. Willig, appended as Exhibit C to Comments of AT&T Corp. (May 26, 1999) [hereinafter *Hubbard-Lehr-Willig Affidavit*].
2. Affidavit of Jerry A. Hausman and J. Gregory Sidak on behalf of the United States Telephone Association

SUMMARY OF CONCLUSIONS

2. Professors Hubbard, Lehr, and Willig advocate an interpretation of the "necessary" and "impair" standards of section 251(d)(2) that tracks—identically, so far as we can ascertain—the reasoning of Justice Souter's dissent in *AT&T Corp. v. Iowa Utilities Board.*[3] As we explain in Part I of this affidavit, although the professors employ the rhetoric of "competition,"[4] they in fact propose that the Commission use a *competitor-welfare* criterion for deciding when to mandate that an incumbent local exchange carrier (ILEC) must unbundle a particular network element at a regulated, TELRIC price. In this respect, Professors Hubbard, Lehr, and Willig advocate an interpretation of "necessary" and "impair" that places section 251(d)(2) on a collision course with the consumer-welfare objective that is the common foundation of antitrust law and the Telecommunications Act of 1996.

3. In addition to having that fundamental shortcoming, the Hubbard-Lehr-Willig affidavit makes arguments that we believe to be incorrect as a matter of economic reasoning and advocates outcomes that we believe would be unsound public policy. As we explain in Part II, Professors Hubbard, Lehr, and Willig argue, implausibly in our view, that the invasive policy of mandatory unbundling that they advocate will provide a greater stimulus for competitive local exchange carriers (CLECs) to invest in network facilities than would a consumer-welfare criterion for interpreting the "necessary" and "impair" standards. To the

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(May 26, 1999) [hereinafter *Hausman-Sidak Affidavit*].

3. AT&T Corp. *v.* Iowa Utils. Bd., 119 S. Ct. 721, 739-40 (1999) (Souter, J., dissenting on "necessary" and "impair").

4. *See, e.g.*, *Hubbard-Lehr-Willig Affidavit* at 6 ¶ 16.