	B	C	D	E
12				Variable
13	Input Name	Default	Inputs	Name
14				
137	**Wire Center Parameters**			
138				
139	Lot size, multiplier of switch room size	2	2	LotSize
140	Tandem/EO wire center common factor	0.4	0.4	WCcomm
141				
142	*Power and frame investment*	sum of power & frame		
143	0	$10,000	$0	PF1
144	1,000	$20,000	$0	PF2
145	5,000	$40,000	$0	PF3
146	25,000	$100,000	$0	PF4
147	50,000	$500,000	$0	PF5
148				
149	*Switch Room size table*	floor area required		
150	0	500	500	Room1
151	1,000	1,000	1,000	Room2
152	5,000	2,000	2,000	Room3
153	25,000	5,000	5,000	Room4
154	50,000	10,000	10,000	Room5
155				
156	*Construction costs, per sq ft*	construction/$/sq ft		
157	0	$75	$200	Const1
158	1,000	$85	$200	Const2
159	5,000	$100	$200	Const3
160	25,000	$125	$200	Const4
161	50,000	$150	$200	Const5
162				
163	*Land price, per sq ft*	price/sq ft		
164	0	$5.00	$0.00	Land1
165	1,000	$7.50	$0.00	Land2
166	5,000	$10.00	$0.00	Land3
167	25,000	$15.00	$0.00	Land4
168	50,000	$20.00	$0.00	Land5
169				

	B	C	D	E
12				Variable
13	Input Name	Default	Inputs	Name
14				
170	**Distribution Structure Inputs**			
171				
172	*Aerial Fraction*			
173	0-5	0.5	0.1604	distaerial1
174	5-200	0.5	0.1604	distaerial2
175	200-650	0.5	0.1604	distaerial3
176	650-850	0.5	0.2227	distaerial4
177	850-2550	0.4	0.2227	distaerial5
178	2550+	0.65	0.2657	distaerial6
179				
180	*Buried Fraction*			
181	0-5	0.5	0.7909	distbur1
182	5-200	0.5	0.7909	distbur2
183	200-650	0.5	0.7909	distbur3
184	650-850	0.5	0.6807	distbur4
185	850-2550	0.5	0.6807	distbur5
186	2550+	0.05	0.411	distbur6
187				
188	*Underground Fraction*			
189	*0-5*	*0*	*0.0487*	*distug1*
190	*5-200*	*0*	*0.0487*	*distug2*
191	*200-650*	*0*	*0.0487*	*distug3*
192	*650-850*	*0*	*0.0966*	*distug4*
193	*850-2550*	*0.1*	*0.0966*	*distug5*
194	*2550+*	*0.3*	*0.3233*	*distug6*
195				
196	*Buried Installation/foot*			
197	0-5	$2.00	$2.00	distburinv1
198	5-200	$2.00	$2.00	distburinv2
199	200-650	$2.00	$2.00	distburinv3
200	650-850	$3.00	$3.00	distburinv4
201	850-2550	$3.00	$3.00	distburinv5
202	2550+	$20.00	$20.00	distburinv6
203				
204	*Conduit Installation/foot*			
205	0-5	$25.00	$25.00	distcondinv1
206	5-200	$25.00	$25.00	distcondinv2
207	200-650	$25.00	$25.00	distcondinv3
208	650-850	$25.00	$25.00	distcondinv4
209	850-2550	$45.00	$45.00	distcondinv5
210	2550+	$70.00	$70.00	distcondinv6
211				
212	Pole spacing, feet	150	150	distpolespace
213	Pole investment	$450	$450	distpoleinv
214	Conduit investment per foot	$1.00	$1.00	distcondinv
215	Manhole investment, per manhole	$3,000	$7,500	distmanhinv
216	Buried cable armoring multiplier	1.1	1.1	distarmormult
217				

	B	C	D	E
12				Variable
13	Input Name	Default	Inputs	Name
14				
218	**Copper Feeder Structure Inputs**			
219				
220	*Aerial Fraction*			
221	0-5	0.5	0.0323	cufeedaerial1
222	5-200	0.5	0.0323	cufeedaerial2
223	200-650	0.5	0.0323	cufeedaerial3
224	650-850	0.4	0.0314	cufeedaerial4
225	850-2550	0.1	0.0314	cufeedaerial5
226	2550+	0.05	0.0297	cufeedaerial6
227				
228	*Buried Fraction*			
229	0-5	0.45	0.699	cufeedbur1
230	5-200	0.45	0.699	cufeedbur2
231	200-650	0.45	0.699	cufeedbur3
232	650-850	0.4	0.3521	cufeedbur4
233	850-2550	0.1	0.3521	cufeedbur5
234	2550+	0.05	0.1248	cufeedbur6
235				
236	*Underground Fraction*			
237	*0-5*	*0.05*	*0.2687*	*cufeedug1*
238	*5-200*	*0.05*	*0.2687*	*cufeedug2*
239	*200-650*	*0.05*	*0.2687*	*cufeedug3*
240	*650-850*	*0.2*	*0.6166*	*cufeedug4*
241	*850-2550*	*0.8*	*0.6166*	*cufeedug5*
242	*2550+*	*0.9*	*0.8455*	*cufeedug6*
243				
244	*Buried Installation/foot*			
245	0-5	$2.00	$2.00	cufeedburinv1
246	5-200	$2.00	$2.00	cufeedburinv2
247	200-650	$2.00	$2.00	cufeedburinv3
248	650-850	$3.00	$3.00	cufeedburinv4
249	850-2550	$3.00	$3.00	cufeedburinv5
250	2550+	$25.00	$25.00	cufeedburinv6
251				
252	*Conduit Installation/foot*			
253	0-5	$25.00	$25.00	cufeedcondinv1
254	5-200	$25.00	$25.00	cufeedcondinv2
255	200-650	$25.00	$25.00	cufeedcondinv3
256	650-850	$25.00	$25.00	cufeedcondinv4
257	850-2550	$45.00	$45.00	cufeedcondinv5
258	2550+	$75.00	$75.00	cufeedcondinv6
259				

	B	C	D	E
12				Variable
13	Input Name	Default	Inputs	Name
14				
260	*Manhole Spacing, ft.*			
261	0-5	800	500	cufeedman1
262	5-200	800	500	cufeedman2
263	200-650	800	500	cufeedman3
264	650-850	800	500	cufeedman4
265	850-2550	600	400	cufeedman5
266	2550+	400	400	cufeedman6
267				
268	Pole spacing, feet	150	150	ufeedpolespace
269	Pole investment	$450	$450	cufeedpoleinv
270	Conduit investment per foot	$1.00	$1.00	cufeedcondinv
271	Manhole investment, per manhole	$3,000	$7,500	cufeedmanhinv
272	Buried cable armoring multiplier	1.1	1.1	ufeedarmormult
273				
274	**Fiber Feeder Structure Inputs**			
275				
276	*Aerial Fraction*			
277	0-5	0.35	0	fibfeedaerial1
278	5-200	0.35	0	fibfeedaerial2
279	200-650	0.35	0	fibfeedaerial3
280	650-850	0.2	0	fibfeedaerial4
281	850-2550	0.1	0	fibfeedaerial5
282	2550+	0.05	0	fibfeedaerial6
283				
284	*Buried Fraction*			
285	0-5	0.6	0.16	fibfeedbur1
286	5-200	0.6	0.16	fibfeedbur2
287	200-650	0.6	0.16	fibfeedbur3
288	650-850	0.6	0.16	fibfeedbur4
289	850-2550	0.1	0.16	fibfeedbur5
290	2550+	0.05	0.16	fibfeedbur6
291				
292	*Underground Fraction*			
293	*0-5*	*0.05*	*0.84*	*fibfeedug1*
294	*5-200*	*0.05*	*0.84*	*fibfeedug2*
295	*200-650*	*0.05*	*0.84*	*fibfeedug3*
296	*650-850*	*0.2*	*0.84*	*fibfeedug4*
297	*850-2550*	*0.8*	*0.84*	*fibfeedug5*
298	*2550+*	*0.9*	*0.84*	*fibfeedug6*
299				
300	*Buried Installation/foot*			
301	0-5	$2.00	$2.00	fibfeedburinv1
302	5-200	$2.00	$2.00	fibfeedburinv2
303	200-650	$2.00	$2.00	fibfeedburinv3
304	650-850	$3.00	$3.00	fibfeedburinv4
305	850-2550	$3.00	$3.00	fibfeedburinv5
306	2550+	$20.00	$20.00	fibfeedburinv6
307				

	B	C	D	E
12				Variable
13	Input Name	Default	Inputs	Name
14				
308	*Conduit Installation/foot*			
309	0-5	$25.00	$25.00	fibfeedcondinv1
310	5-200	$25.00	$25.00	fibfeedcondinv2
311	200-650	$25.00	$25.00	fibfeedcondinv3
312	650-850	$25.00	$25.00	fibfeedcondinv4
313	850-2550	$45.00	$45.00	fibfeedcondinv5
314	2550+	$70.00	$70.00	fibfeedcondinv6
315				
316	*Manhole Spacing, ft.*			
317	0-5	2,000	500	fibfeedman1
318	5-200	2,000	500	fibfeedman2
319	200-650	2,000	500	fibfeedman3
320	650-850	2,000	500	fibfeedman4
321	850-2550	2,000	400	fibfeedman5
322	2550+	2,000	400	fibfeedman6
323				
324	Buried cable armoring per foot, fiber	$0.20	$0.20	ibfeedarmormult
325				
326	**Misc Loop Investment Inputs**			
327				
328	Drop investment per line	$40.00	$71.38	dropinv
329	NID investment per line	$30.00	$0.00	NIDInv
330	Terminal and splice per line	$35.00	$47.92	SpliceInv
331	Average lines per business location	4	4	BusLinesLoc
332	Feeder structure fraction shared w/ interof	0.25	0.25	FeedShare
333				
334	*Distribution structure % assigned to telephone*			
335	aerial	0.33	0.5	AirDistTel
336	buried	0.33	1	BurDistTel
337	underground	0.33	1	UgDistTel
338				
339	*Feeder structure % assigned to telephone*			
340	aerial	0.33	0.5	AirFeedTel
341	buried	0.33	1	BurFeedTel
342	underground	0.33	1	UgFeedTel
343				

	B	C	D	E
12				Variable
13	Input Name	Default	Inputs	Name
14				
344	*SAI Investment, installed*			
345	*Distribution cable size*	copper feeder		
346	0	$500.00	$1,469.00	cuSAI1
347	100	$700.00	$1,469.00	cuSAI2
348	200	$900.00	$1,469.00	cuSAI3
349	400	$1,100.00	$2,302.00	cuSAI4
350	600	$1,300.00	$2,971.00	cuSAI5
351	900	$1,500.00	$3,956.00	cuSAI6
352	1200	$1,700.00	$5,038.00	cuSAI7
353	1800	$1,900.00	$6,810.00	cuSAI8
354	2400	$2,100.00	$9,131.00	cuSAI9
355	3000	$2,300.00	$13,976.00	cuSAI10
356	3600	$2,500.00	$16,567.00	cuSAI11
357				
358	*Distribution cable size*	fiber feeder		
359	0	$2,500.00	$1,469.00	fibSAI1
360	100	$2,700.00	$1,469.00	fibSAI2
361	200	$2,900.00	$1,469.00	fibSAI3
362	400	$3,100.00	$2,302.00	fibSAI4
363	600	$3,300.00	$2,971.00	fibSAI5
364	900	$3,500.00	$3,956.00	fibSAI6
365	1200	$3,700.00	$5,038.00	fibSAI7
366	1800	$3,900.00	$6,810.00	fibSAI8
367	2400	$4,100.00	$9,131.00	fibSAI9
368	3000	$4,300.00	$13,976.00	fibSAI10
369	3600	$4,500.00	$16,567.00	fibSAI11
370				
371	**Digital Loop Carrier Inputs**			
372				
373	*SLC (TR-303)*			
374	site, housing, and power per remote termi	$3,000.00	$14,874.32	SLChouse
375	maximum lines	672	672	SLCmaxlines
376	remote terminal fill factor	0.9	0.6955	SLCfill
377	common equipment investment	$42,000.00	$109,370.00	SLCcomm
378	channel unit investment per line	$75.00	$85.72	SLCchan
379	DS-0s per fiber	$2,016.00	$2,016.00	
380	Fibers per remote terminal	4	4	
381				
382	AFC			
383	site, housing, and power per remote termi	$2,500.00	$9,885.57	AFChouse
384	maximum lines	100	192	AFCmaxlines
385	remote terminal fill factor	0.9	0.6476	AFCfill
386	common equipment investment	$10,000.00	$72,688.00	AFCcomm
387	channel unit investment per line	$150.00	$85.72	AFCchan
388	DS-0s per fiber	2,016	672	
389	Fibers per remote terminal	4	4	
390				

	B	C	D	E
12				Variable
13	Input Name	Default	Inputs	Name
14				
391	Fiber feeder distance threshold, ft. (feeder	9,000	15,000	
392				
393	**Signaling Parameters**			
394				
395	STP Link Capacity	720	68	STPcap
396	STP Maximum Fill	0.8	0.8	STPfill
397	STP Investment, per pair, fully equipped	$5,000,000.00	$3,145,243.00	STPInv
398	STP common equipment investment, per	$1,000,000.00	$3,145,243.00	STPcomm
399	Link Termination, both ends	$900.00	$50,040.00	LinkTerm
400	Signaling Link Bit Rate	56000	56000	LinkRate
401	Link Occupancy	0.4	0.07	LinkOcc
402	C Link Cross-Section	24	3	LinkCross
403	ISUP messages per interoffice BHCA	6	5.4	ISUPmsgs
404	ISUP message length, bytes	25	25	ISUPlen
405	TCAP messages per transaction	2	2	TCAPmsgs
406	TCAP message length, bytes	100	100	TCAPlen
407	Fraction of BHCA requiring TCAP	0.1	0.07	TCAPFrac
408	SCP investment per transaction per secon	$20,000.00	$7,654.00	SCPInv
409				
410				
411	**Misc Inputs**			
412				
413	*Operator position parameters*			
414	Investment per position	$3,500.00	$100,000.00	opinv
415	Maximum utilization per position, CCS	27	25	opccs
416	Operator intervention factor	10	10	opint
417	Operator position remote distance, mi.	0	125	opdist
418				
419	*Other*			
420	DS0/DS1 crossover	24	20	DS0cross
421	DS1/DS3 crossover	28	14	DS1cross
422				
423	Public Telephone investment per station	$1,200.00	$1,278.32	PubInv
424				
425	**Transport Investment**			
426				
427	*Terminal Investment*			
428	Number of Fibers	24	24	termfib
429	FOT capacity, DS-3s	12	12	FOTcap
430	FOT fill	0.8	0.8	FOTfill
431	FOT, installed	$43,000.00	$43,826.85	FOTinst
432	Pigtails	$60.00	$60.00	pigs
433	Panel	$1,000.00	$1,000.00	panel
434	EF&I, per hour	$55.00	$55.00	efi
435	EF&I units	32	32	EFIU
436				

	B	C	D	E
12				Variable
13	Input Name	Default	Inputs	Name
14				
437	*Medium Investment*			
438	Fraction of structure assigned to telephone	0.33	1	telfrac
439	Fraction of structure shared with feeder	0.25	0.25	feedfrac
440	Distance, mi.	41	41	dist
441	Regenerator spacing, mi.	40	40	regensp
442	Regenerator investment, installed	$15,000.00	$15,000.00	regeninv
443	Fiber Cable investment per foot	$2.00	$2.00	fibinv
444	Placement	$2.00	$2.00	fibplace
445	Splice Spacing, ft.	20000	20000	splicesp
446	Splice Cost	$15.00	$15.00	splice
447	Trenching per foot	$45.00	$45.00	trench
448	Resurfacing per foot	$10.00	$10.00	resurf
449	Conduit per foot	$4.00	$4.00	condft
450	Number of tubes	2	2	tubes
451	Manhole investment	$5,000.00	$5,000.00	manhinv
452	Manhole spacing	1000	500	manhsp
453	Buried installation per foot	$5.00	$5.00	burinst
454	Pole investment	450	450	poleinv
455	Pole spacing	150	150	polesp
456	Underground percent	35.00%	84.00%	ugfrac
457	Buried percent	50.00%	16.00%	burfrac
458	Aerial percent	0.15	0	airfrac
459				
460	**Call Attempts & DEMs**			
461				
462	*Call Attempts*			
463	Local	1	36,031,263,000	CALocal
464	IntraLata Intrastate	2	458,959,000	CARaRa
465	InterLata Intrastate	3	1,641,818,000	CAErRa
466	InterLata Interstate	4	2,668,080,000	CaErEr
467	Call Completion Fraction	0.70	0.72	CallComp
468				
469	*DEMs*			
470	Local	1	139,003,342	DEMsLocal
471	Intrastate	3	15,688,751	DEMsIntra
472	Interstate	5	19,822,230	DEMsInter
473	Local bus/res DEMs	1.1	1.1	LocalDF
474	Intrastate bus/res DEMs	2	2	IntraDF
475	Interstate bus/res DEMs	3	3	InterDF
476				
477	**Line Counts**			
478				
479	Residential	10	5,423,837	LCRes
480	Business	20	2,607,530	LCBus
481	Special Access	30	1,361,093	LCSA
482	Public	40	93,534	LCPub
483				

	B	C	D	E
12				Variable
13	Input Name	Default	Inputs	Name
14				
484	**Cable Costs**			
485	*Feeder*			
486	*Underground*			
487	Cable Size	Cost UG		
488	4200	74.25	72.88	FeedUG42
489	3600	63.75	65.29	FeedUG36
490	3000	53.25	57.15	FeedUG30
491	2400	42.75	49.56	FeedUG24
492	1800	32.25	39.85	FeedUG18
493	1200	21.75	26.26	FeedUG12
494	900	16.5	19.83	FeedUG9
495	600	11.25	14.81	FeedUG6
496	400	7.75	11.64	FeedUG4
497	200	4.25	8.86	FeedUG2
498	100	2.5	7.4	FeedUG1
499	*Aerial*			
500	Cable Size	Cost Aerial		
501	4200	74.25	107.5	FeedA42
502	3600	63.75	92.68	FeedA36
503	3000	53.25	72.75	FeedA30
504	2400	42.75	53.94	FeedA24
505	1800	32.25	32.72	FeedA18
506	1200	21.75	19.24	FeedA12
507	900	16.5	14.49	FeedA9
508	600	11.25	10.22	FeedA6
509	400	7.75	6.82	FeedA4
510	200	4.25	5.16	FeedA2
511	100	2.5	3.06	FeedA1
512				
513	*Distribution*			
514	*Underground*			
515	Cable Size	Cost UG		
516	3600	63.75	65.29	DistUG36
517	3000	53.25	57.15	DistUG30
518	2400	42.75	49.56	DistUG24
519	1800	32.25	39.85	DistUG18
520	1200	21.75	26.26	DistUG12
521	900	16.5	19.83	DistUG9
522	600	11.25	14.81	DistUG6
523	400	7.75	11.64	DistUG4
524	200	4.25	8.86	DistUG2
525	100	2.5	7.4	DistUG1
526	50	1.625	6.61	DistUG5
527	25	1.19	6.2	DistUG25
528	*Aerial*			

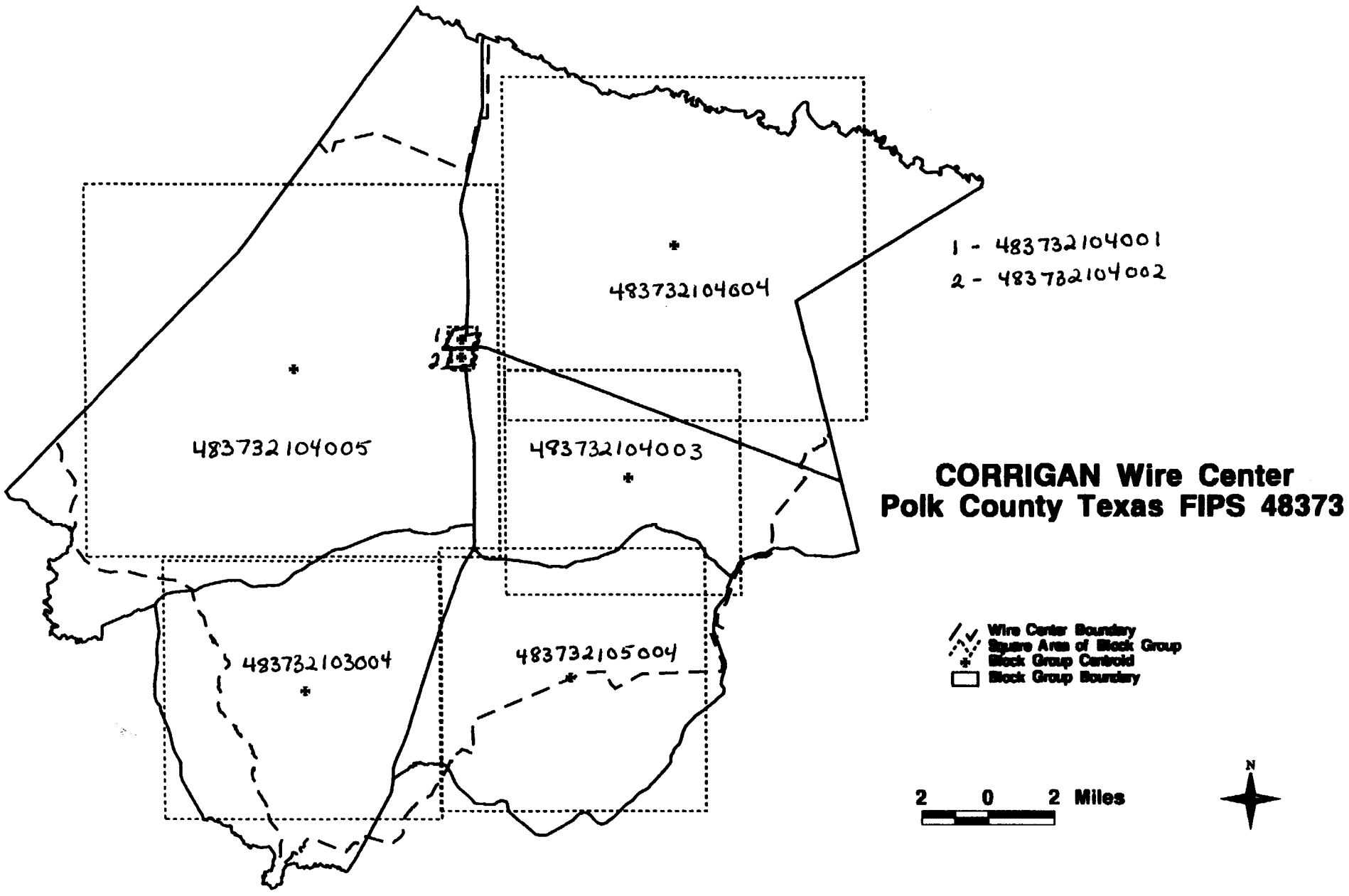
	B	C	D	E
12				Variable
13	Input Name	Default	Inputs	Name
14				
529	Cable Size	Cost Aerial		
530	3600	63.75	92.68	DistA36
531	3000	53.25	72.75	DistA30
532	2400	42.75	53.94	DistA24
533	1800	32.25	32.72	DistA18
534	1200	21.75	19.24	DistA12
535	900	16.5	14.49	DistA9
536	600	11.25	10.22	DistA6
537	400	7.75	6.82	DistA4
538	200	4.25	5.16	DistA2
539	100	2.5	3.06	DistA1
540	50	1.625	2.42	DistA5
541	25	1.19	1.83	DistA25
542				
543	*Fiber*			
544	*Underground*			
545	Cable Size	Cost UG		
546	216	13.1	28.38	FiberUG216
547	144	9.5	23.37	FiberUG144
548	96	7.1	16.46	FiberUG96
549	72	5.9	12.85	FiberUG72
550	60	5.3	12.85	FiberUG60
551	48	4.7	9.12	FiberUG48
552	36	4.1	7.48	FiberUG36
553	24	3.5	5.54	FiberUG24
554	18	3.2	5.54	FiberUG18
555	12	2.9	3.54	FiberUG12
556	*Aerial*			
557	Cable Size	Cost Aerial		
558	216	13.1	28.38	FiberA216
559	144	9.5	23.37	FiberA144
560	96	7.1	16.46	FiberA96
561	72	5.9	12.85	FiberA72
562	60	5.3	12.85	FiberA60
563	48	4.7	9.12	FiberA48
564	36	4.1	7.48	FiberA36
565	24	3.5	5.54	FiberA24
566	18	3.2	5.54	FiberA18
567	12	2.9	3.54	FiberA12
568				

	Input Name	Default	TX Staff Inputs	Variable Name
15	**Cost of Capital Factors**			
16	***Depreciation Lives***			
17	Loop Distribution	20	18.1	DistLife
18	Loop Feeder	20	19.8	FeedLife
19	Loop Concentrator	10	10.2	ConcLife
20	Wire Center	37	43.8	WireLife
21	End Office Switching	14.3	14.6	EOLife
22	Tandem Switching	14.3	14.6	TandLife
23	Transport Facilities	19	26.6	TransLife
24	Operator Systems	8	11.9	OpLife
25	STP	14	14.6	STPLife
26	SCP	14	14.6	SCPLife
27	Links	19	18.2	LinkLife
28	Public Telephones	9	9.8	PubLife
29	General Support	7	9.5	GenLife
30				
31	***Cost of Capital***			
32	Debt Percent	45.00%	41.89%	DebtP
33	Cost of Debt	7.70%	7.73%	DebtCost
34	Cost of Equity	11.90%	12.25%	EquityCost
35	*Equity Percent*	*55.00%*	*58.11%*	
36	*Overall Cost of Capital*	*10.01%*	*10.35%*	
37				
38				
39	**Misc Expense Factors**			
40				
41	Variable Overhead Factor	10.00%	11.57%	VarOvhd
55	Swithc line circuit offset per DLC line	$35.00	$8.75	CircOffs
56				
57	**Fill Factors**			
67	*Distribution*			
68	0-5	0.50	0.53	Dist0
69	5-200	0.55	0.53	Dist5
70	200-650	0.60	0.53	Dist200
71	650-850	0.65	0.53	Dist650
72	850-2550	0.70	0.53	Dist850
73	2550+	0.75	0.53	Dist2550
74				
75	**EO Switching Parameters**			
80	Switch Maximum Line Fill	0.8	0.895	MaxLineFill
326	**Misc Loop Investment Inputs**			
334	*Distribution structure % assigned to telephone*			

	Input Name	Default	TX Staff Inputs	Variable Name
335	aerial	0.33	0.78	AirDistTel
336	buried	0.33	1	BurDistTel
337	underground	0.33	0.67	UgDistTel
338				
339	*Feeder structure % assigned to telephone*			
340	aerial	0.33	0.78	AirFeedTel
341	buried	0.33	1	BurFeedTel
342	underground	0.33	0.67	UgFeedTel
371	**Digital Loop Carrier Inputs**			
372				
373	*SLC (TR-303)*			
374	site, housing, and power per remote terminal	$3,000.00	$14,874.32	SLChouse
375	maximum lines	672		SLCmaxlines
376	remote terminal fill factor	0.9	0.792	SLCfill
377	common equipment investment	$42,000.00	$109,370.00	SLCcomm
378	channel unit investment per line	$75.00	$85.72	SLCchan
379	DS-0s per fiber	$2,016.00		
380	Fibers per remote terminal	4		
381				
382	AFC			
383	site, housing, and power per remote terminal	$2,500.00	$9,885.57	AFChouse
384	maximum lines	100	192	AFCmaxlines
385	remote terminal fill factor	0.9	0.792	AFCfill
386	common equipment investment	$10,000.00	$72,688.00	AFCcomm
387	channel unit investment per line	$150.00	$85.72	AFCchan
388	DS-0s per fiber	2,016		
389	Fibers per remote terminal	4		
390				
391	Fiber feeder distance threshold, ft. (feeder length)	9,000	12,000	
392				
393	**Signaling Parameters**			
394				
395	STP Link Capacity	720		STPcap
396	STP Maximum Fill	0.8		STPfill
397	STP Investment, per pair, fully equipped	$5,000,000.00		STPinv
398	STP common equipment investment, per pair	$1,000,000.00		STPcomm
399	Link Termination, both ends	$900.00		LinkTerm
400	Signaling Link Bit Rate	56000		LinkRate
401	Link Occupancy	0.4	0.32	LinkOcc
402	C Link Cross-Section	24		LinkCross
403	ISUP messages per interoffice BHCA	6		ISUPmsgs
404	ISUP message length, bytes	25		ISUPlen
405	TCAP messages per transaction	2		TCAPmsgs
406	TCAP message length, bytes	100		TCAPlen
407	Fraction of BHCA requiring TCAP	0.1		TCAPFrac
408	SCP investment per transaction per second	$20,000.00		SCPinv

	Input Name	Default	TX Staff Inputs	Variable Name
425	**Transport Investment**			
437	*Medium Investment*			
438	Fraction of structure assigned to telephone	0.33	1	telfrac

Attachment C



CERTIFICATE OF SERVICE

I, Liz Jensen, hereby certify that the foregoing Comments of SBC in Response to Public Notice of 11/18/96 in Docket No. 96-45, have been served this 19th day of December, 1996 to the Parties of Record.

Liz Jensen

Liz Jensen

December 19, 1996

THE HONORABLE REED E HUNDT CHAIRMAN
FEDERAL COMMUNICATIONS COMMISSION
1919 M STREET NW ROOM 814
WASHINGTON DC 20554

THE HONORABLE RACHELLE B CHONG COMMISSIONER
FEDERAL COMMUNICATIONS COMMISSION
1919 M STREET NW ROOM 844
WASHINGTON DC 20054

THE HONORABLE SUSAN NESS
COMMISSIONER
FEDERAL COMMUNICATIONS COMMISSION
1919 M STREET NW ROOM 832
WASHINGTON DC 20554

THE HONORABLE JULIA JOHNSON
COMMISSIONER
FLORIDA PUBLIC SERVICE COMMISSION
CAPITAL CIRCLE OFFICE CENTER
2540 SHUMARD OAK BLVD
TALLAHASSEE FLORIDA 32399-0850

THE HONORABLE KENNETH MCCLURE
VICE CHAIRMAN
MISSOURI PUBLIC SERVICE COMMISSION
301 WEST HIGH STREET SUITE 530
JEFFERSON CITY MO 65102

THE HONORABLE SHARON L NELSON
CHAIRMAN
WASHINGTON UTILITIES AND TRANSPORTATION
COMMISSION
PO BOX 47250
OLYMPIA WA 98504-7250

THE HONORABLE LASKA SCHOENFELDER
COMMISSIONER
SOUTH DAKOTA PUBLIC UTILITIES COMMISSION
500 E CAPITAL AVENUE
PIERRE SD 57501

MARTHA S HOGERTY
PUBLIC COUNSEL FOR THE STATE OF MISSOURI
P O BOX 7800
HARRY S TRUMAN BUILDING ROOM 250
JEFFERSON CITY MO 65102

PAUL E PEDERSON
STATE STAFF CHAIR
MISSOURI PUBLIC SERVICE COMMISSION
P O BOX 360
TRUMAN STATE OFFICE BUILDING
JEFFERSON CITY MO 65102

LISA BOEHLEY
FEDERAL COMMUNICATIONS COMMISSION
2100 M STREET NW ROOM 8605
WASHINGTON DC 20554

CHARLES BOLLE
SOUTH DAKOTA PUC
STATE CAPITOL, 500 E CAPITOL STREET
PIERRE SD 57501-5070

DEONNE BRUNING
NEBRASKA PSC
300 THE ATRIUM
1200 N STREET PO BOX 94927
LINCOLN NE 68509-4927

JAMES CASSERLY
FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF COMMISSIONER NESS
1919 M STRET ROOM 832
WASHINGTON DC 20554

JOHN CLARK
FEDERAL COMMUNICATIONS COMMISSION
2100 M STREET NW ROOM 8619
WASHINGTON DC 20554

BRYAN CLOPTON
FEDERAL COMMUNICATIONS COMMISSION
2100 M STREET NW ROOM 8615
WASHINGTON DC 20554

IRENE FLANNERY
FEDERAL COMMUNICATIONS COMMISSION
2100 M STREET NW ROOM 8922
WASHINGTON DC 20554

DANIEL GONZALEZ
FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF COMMISSIONER CHONG
1919 M STREET NW ROOM 844
WASHINGTON DC 20554

EMILY HOFFNAR
FEDERAL COMMUNICATIONS COMMISSION
2100 M STREET NW ROOM 8623
WASHINGTON DC 20554

L CHARLES KELLER
FEDERAL COMMUNICATIONS COMMISSION
2100 M STREET NW ROOM 8918
WASHINGTON DC 20554

LORI KENYON
ALASKA PUC
1016 WEST SIXTH AVENUE, SUITE 400
ANCHORAGE AK 99501

DAVID KRECH
FEDERAL COMMUNICATIONS COMMISSION
2025 M STREET NW ROOM 7130
WASHINGTON DC 20554

DEBRA M KRIETE
PENNSYLVANIA PUBLIC UTILITIES COMMISSION
P O BOX 3265
HARRISBURG PA 17105-3265

DIANE LAW
FEDERAL COMMUNICATIONS COMMISSION
2100 M STREET NW ROOM 8920
WASHINGTON DC 20554

MARK LONG
FLORIDA PUBLIC SERVICE COMMISSION
2540 SHUMARD OAK BLVD
GERALD GUNTER BUILDING
TALLAHASSEE FL 32399-0850

ROBERT LOUBE
FEDERAL COMMUNICATIONS COMMISSION
2100 M STREET NW ROOM 8914
WASHINGTON DC 20554

SAMUEL LOUDENSLAGER
ARKANSAS PUBLIC SERVICE COMMISSION
P O BOX 400
LITTLE ROCK AR 72203-0400

SANDRA MAKEEFF
IOWA UTILITIES BOARD
LUCAS STATE OFFICE BUILDING
DES MOINES IA 50319

PHILIP F MC CLELLAND
PENNSYLVANIA OFFICE OF CONSUMER ADVOCATE
1425 STRAWBERRY SQUARE
HARRISBURG PA 17120

MICHAEL A MCRAE
D C OFFICE OF THE PEOPLE'S COUNSEL
1133 15TH STREET NW SUITE 500
WASHINGTON DC 20005

TEJAL MEHTA
FEDERAL COMMUNICATIONS COMMISSION
2100 M STREET NW ROOM 8625
WASHINGTON DC 20554

TERRY MONROE
NEW YORK PUBLIC SERVICE COMMISSION
THREE EMPIRE PLAZA
ALBANY NY 12223

JOHN MORABITO
DEPUTY DIVISION CHIEF, ACCOUNTING AND AUDITS
FEDERAL COMMUNICATIONS COMMISSION
2000 L STREET NW SUITE 812
WASHINGTON DC 20554

MARK NADEL
FEDERAL COMMUNICATIONS COMMISSION
1919 M STREET NW ROOM 542
WASHINGTON DC 20554

JOHN NAKAHATA
FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE CHAIRMAN
1919 M STREET NW ROOM 814
WASHINGTON DC 20554

LEE PALAGYI
WASHINGON UTILITIES AND TRANSPORTATION
COMMISSION
1300 SOUTH EVERGREEN PARK DRIVE SW
OLYMPIA WA 98504

KIMBERLY PARKER
FEDERAL COMMUNICATIONS COMMISSION
2100 M STREET NW
ROOM 8609
WASHINGTON DC 20554

BARRY PAYNE
INDIANA OFFICE OF TE CONSUMER COUNSEL
100 NORT SENATE AVENUE ROOM N501
INDIANAPOLIS IN 46204-2208

JEANINE POLTRONIERI
FEDERAL COMMUNICATIONS COMMISSION
2100 M STREET NW ROOM 8924
WASHINGTON DC 20554

GARY SEIGEL
FEDERAL COMMUNICATIONS COMMISSION
2000 L STREET NW SUITE 812
WASHINGTON DC 20554

RICHARD SMITH
FEDERAL COMMUNICATIONS COMMISSION
2100 M STREET NW ROOM 8605
WASHINGTON DC 20554

PAMELA SZYMCZAK
FEDERAL COMMUNICATIONS COMMISSION
2000 L STREET NW SUITE 257
WASHINGTON DC 20036

LORI WRIGHT
FEDERAL COMMUNICATIONS COMMISSION
2100 M STREET NW ROOM 8603
WASHINGTON DC 20554

EILEEN BENNER
IDAHO PUBLIC UTILITIES COMMISSION
P O BOX 83720
BOISE ID 83720-0074

CHARLES BOLLE
SOUTH DAKOTA PUBLIC UTILITIES COMMISSION
STATE CAPITAL 500 E CAPITAL AVENUE
PIERRE SD 57501-5070

LORRAINE KENYON
ALASKA PUBLIC UTILITIES COMMISSION
1016 WEST SIXTH AVENUE SUITE 400
ANCHORAGE AK 99501

CLARA KUEHN
FEDERAL COMMUNICATIONS COMMISSION
2000 L STREET NW SUITE 257
WASHINGTON DC 20036

RAFI MOHAMMED
FEDERAL COMMUNICATIONS COMMISSION
2000 L STREET NW SUITE 812
WASHINGTON DC 20036

ANDREW MULITZ
FEDERAL COMMUNICATIONS COMMISSION
2000 L STREET NW SUITE 257
WASHINGTON DC 20036

GARY ODDI
FEDERAL COMMUNICATIONS COMMISSION
2000 L STREET NW SUITE 257
WASHINGTON DC 20036

LEE PALAGYI
WASHINGTON UTILITIES AND TRANSPORTATION
COMMISSION
P O BOX 47250
OLYMPIA WA 98504-7250

JEANINE POLTRONIERI
FEDERAL COMMUNICATIONS COMMISSION
2000 L STREET NW SUITE 257
WASHINGTON DC 20036

JAMES BRADFORD RAMSAY
NATIONAL ASSOCIATION OF REGULATORY
UTILITY COMMISSIONERS
1201 CONSTITUTION AVENUE NW
WASHINGTON DC 20423

JONATHAN REEL
FEDERAL COMMUNICATIONS COMMISSION
2000 L STREET NW SUITE 257
WASHINGTON DC 20036

BRIAN ROBERTS
CALIFORNIA PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE
SAN FRANCISCO CA 94102-3298

WHITING THAYER
FEDERAL TELECOMMUNICATIONS COMMISSION
2000 L STREET NW SUITE 812
WASHINGTON DC 20036

ALEX BELINFANTE
FEDERAL COMMUNICATIONS COMMISSION
1919 M STREET NW
WASHINGTON DC 20554

LARRY POVICH
FEDERAL COMMUNICATIONS COMMISSION
1919 M STREET NW
WASHINGTON DC 20554

OFFICE OF THE SECRETARY
FEDERAL COMMUNICATIONS COMMISSION
WASHINGTON, D.C. 20554

INTERNATIONAL TRANSCRIPTION SERVICE
ROOM 640
1990 M STREET NW
WASHINGTON DC 20036

THE INTERACTIVE SERVICES ASSOCIATION
EDWIN N. LAVERGNE
J THOMAS NOLAN
GINSBURG FELDMAN AND BRESS
CHARTERED
1250 CONNECTICUT AVENUE NW
WASHINGTON DC 20036

ELLIS JACOBS
COUNCIL FOR THE EDGEMONT NEIGHBORHOOD
COALITION
LEGAL AID SOCIETY OF DAYTON
333 WEST FIRST STREET SUITE 500
DAYTON OH 45402

PUBLIC UTILITY COMMISSION OF TEXAS
VICKI OSWALT
DIRECTOR OFFICE OF POLICY DEVELOPMENT
7800 SHOAL CREEK BOULEVARD
AUSTIN TEXAS 78757-1098

BRITE VOICE SYSTEMS INC
DAVID F HEMMINGS
EXECUTIVE VICE PRESIDENT
7309 EAST 21ST STREET NORTH
WICHITA KANSAS 67206

RONALD A GAGNON
EXECUTIVE DIRECTOR
NOBLE
26 CHERRY HILL DRIVE
DANVERS MA 01923

CAROLYN PURCELL
EXECUTIVE DIRECTOR
DEPARTMENT OF INFORMATION RESOURCES
PO BOX 13564
AUSTIN TEXAS 78711-3564

ADAM TURNER
CONSULTANT TO THE RESIDENT REPRESENTATIVE
2121 R STREET NW
WASHINGTON DC 20006

MITCHELL SPRAGUE
MENDOCINO UNIFIED SCHOOL DISTRICT
PO BOX 1154
MENDOCINO CA 95460

ALLIED ASSOCIATED PARTNERS LP
GELD INFORMATION SYSTEMS
CURTIS T WHITE
MANAGING PARTNER
4201 CONNECTICUT AVE NW
SUITE 402
WASHINGTON DC 20008-1158

RONALD K GREENHALGH
CHIEF ENGINEER
NATIONAL RURAL ELECTRIC COOPERATIVE
ASSOCIATION
4301 WILSON BOULEVARD
ARLINGTON VA 22203-1860

STATE OF SOUTH CAROLINA
PUBLIC SERVICE COMMISSION
R GLENN RHYNE MANAGER
RESEARCH DEPARTMENT
PO DRAWER 11649
COLUMBIA SOUTH CAROLINA 29211

JEANNE HURLEY SIMON
UNITED STATES NATIONAL COMMISSION ON
LIBRARIES AND INFORMATION SCIENCE
1110 VERMONT AVENUE NW SUITE 820
WASHINGTON DC 20005-3522

LUCELLA HARRISON PRESIDENT
OAKLAND UNIFIED SCHOOL DISTRICT
1025 SECOND AVENUE
OAKLAND CALIFORNIA 94606

JUDITH A BILLINGS
SUPERINTENDENT OF PUBLIC INSTRUCTION
OLD CAPITOL BUILDING
PO BOX 47200
OLYMPIA WASHINGTON 98504-7200

DR WILLIAM J TOBIN
EXECUTIVE DIRECTOR
EARLY CHILDHOOD DEVELOPMENT CENTER
LEGISLATIVE COALITION
3612 BENT BRANCH COURT
FALLS CHURCH VA 22041

KEVIN STARR
STATE LIBRARIAN OF CALIFORNIA
CALIFORNIA STATE LIBRARY
LIBRARY COURT BUILDING
PO BOX 942837
SACRAMENTO CA 94237-0001

WAYNE A LEIGHTON PHD
JAMES L GATTUSO
CITIZENS FOR A SOUND ECONOMY FOUNDATION
1250 H STREET NW SUITE 700
WASHINGTON DC 20005

DR STANLEY GARDNER
MISSOURI STATE LIBRARY
PO BOX 387
JEFFERSON CITY MO 64102

MARK SAVAGE
1535 MISSION STREET
SAN FRANCISCO CA 94103

EIRC B WITTE
ASSISTANT GENERAL COUNSEL
ATTORNEY FOR THE MISSOURI PSC
PO BOX 360
JEFFERSON CITY MO 65102

THOMAS E TAYLOR
JACK B HARRISON
FROST & JACOBS
ATTORNEYS FOR CINCINNATI BELL TEL CO
2500 PNC CENTER
201 EAST FIFTH STREET
CINCINNATI OHIO 45202

KEVIN J CONNELLAN
ACTING DIRECTOR LEGISLATION
AND PUBLIC POLICY
AARP
601 E STREET NW
WASHINGTON DC 20049

BRADLEY C STILLMAN ESQ
DIRECTOR TELECOMMUNICATIONS POLICY
DR MARK N COOPER
DIRECTOR OF RESEARCH
CONSUMER FEDERATION OF AMERICA
1424 16TH STREET NW SUITE 604
WASHINGTON DC 20036

RICHARD A ASKOFF
ATTORNEY FOR NATIONAL EXCHANGE CARRIER
ASSOCIATION INC
100 SOUTH JEFFERSON ROAD
WHIPPANY NEW JERSEY 07981

ANDREW D LIPMAN
MARK SIEVERS
SWIDLER & BERLIN CHARTERED
ATTORNEYS FOR MFS COMMUNICATIONS CO INC
3000 K STREET NW SUITE 300
WASHINGTON DC 20007

THE NYNEX TELEPHONE COMPANIES
JOSEPH DIBELLA
1300 I STREET NW SUITE 400 WEST
WASHINGTON DC 20005

KENNETH T BURCHETT
VICE PRESIDENT GVNW INC/MANAGEMENT
PO BOX 230339
PORTLAND OREGON 97281-0399

THE SOUTHERN NEW ENGLAND
TELEPHONE COMPANY
ANNE U MACCLINTOCK
VP REGULATORY AFFAIRS & PUBLIC POLICY
227 CHURCH STREET
NEW HAVEN CONNECTICUT 06510

DANIEL L BRENNER
NEAL M GOLDBERG
DAVID L NICOLL
COUNSEL FOR THE NATIONAL CABLE
TELEVISION ASSOCIATION INC
1724 MASSACHUESETS AVENUE NW
WASHINGTON DC 20036

NATIONAL ASSOCIATION OF REGULATORY
UTILITY COMMISSIONERS
PAUL RODGERS
CHARLES D GRAY
1201 CONSTITUTION AVENUE SUITE 1102
P O BOX 684
WASHINGTON DC 20044

BELLSOUTH CORPORATION
BELLSOUTH TELECOMMUNICATIONS INC
M ROBERT SUTHERLAND
RICHARD M SBARATTA
REBECCA M LOUGH
1155 PEACHTREE STREET NE SUITE 1700
ATLANTA GEORGIA 30309-3610

MICHAEL J KARSON
ATTORNEY FOR AMERITECH
2000 WEST AMERITECH CENTER DRIVE
ROOM 4H88
HOFFMAN ESTATES IL 60196-1025

VANGUARD CELLULAR SYSTEMS INC
ROYMOND G BENDER JR
J G HARRINGTON
ITS ATTORNEYS
DOW LOHNES & ALBERTSON
1200 NEW HAMPSHIRE AVENUE NW SUITE 800
WASHINGTON DC 20037

U S WEST INC
KATHRYN MARIE KRAUSE
1020 19TH STREET NW SUITE 700
WASHINGTON DC 20036

MCI TELECOMMUNICATIONS CORPORATION
CHRIS FRENTRUP
SENIOR REGULATORY ANALYST
1801 PENNSYLVANIA AVENUE NW
WASHINGTON DC 20036

TELECOMMUNICATIONS RESELLERS ASSOCIATION
CHARLES C HUNTER
HUNTER & MOW PC
1620 I STREET NW
SUITE 701
WASHINGTON DC 20006

UNITED STATES TELEPHONE ASSOCIATION
MARY MCDERMOTT
LINDA KENT
CHARLES D COSSON
1401 H STREET NW
SUITE 600
WASHIANGTON DC 20005

THE PERSONAL COMMUNICATIONS INDUSTRY
ASSOCIATION
MARK J GOLDEN
ROBERT R COHEN
500 MONTGOMERY STREET SUITE 700
ALEXANDRIA VA 22314-1561

ROBERTA KATZ
PETER HARTER
NETSCAPE COMMUNICATIONS CORP
487 EAST MIDDLEFIELD ROAD
MOUNTAIN VIEW CA 94043

JEFFREY BLUMENFELD
GLENN MANISHIN
CHRISTY KUNIN
CHRISTINE MAILLOUX
BLUMENFLED & COHEN
1615 M STREET NW SUITE 700
WASHINGTON DC 20036

NRTA
MARGOT SMILEY HUMPHREY KOTEEN & NAFTALIN LLP
1150 CONNECTICUT AVE NW
SUITE 1000
WASHINGTON DC 20036