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FEDERAL EXPRESS

December 23, 1996

Ms. Blanca Bayó
Director, Records and Reporting
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

In re: Petition by MCI Telecommunications Corporation for arbitration with United Telephone Company of Florida and Central Telephone Company of Florida concerning interconnection rates, terms and conditions, pursuant to the Federal Telecommunications Act of 1996. Docket No. 961230-TP.

Dear Ms. Bayó:

Enclosed for filing on behalf of MCI Telecommunications Corporation and MCImetro Access Transmission Services, Inc. are the original and fifteen copies of the late-filed deposition exhibits of Don J. Wood which were marked as a composite exhibit at the hearing in the above-referenced case.

By copy of this letter, I am serving counsel for the Commission and Sprint with copies of the enclosed exhibit.

If you have any questions regarding the filing, please do not hesitate to contact me at (404) 267-6375.

Very truly yours,

Martha McMillin

Martha McMillin
Senior attorney

ACK
AFA
APP
CAF
CMU
CTR
EAG
LEG 2
LIN 5 + NS
OPC
RCH
SEC 1
WAS
OTH

Enclosures

cc: Martha Carter Brown, Esq. (w/encl.)
John Fons, Esq. (w/encl.)
Richard D. Melson, Esq. (w/encl.)

DOCUMENT NUMBER-DATE
13726 DEC 26 96
FPSC-RECORDS/REPORTING

LATE-FILED EXHIBITS
TO DEPOSITION OF DON J. WOOD
DOCKET NO. 961230-TP

Exhibit No. 1: (Late-filed) 1993 New Hampshire incremental cost study that is referenced in attachment RAM 3.

Response: The reference in the Input Summary - RAM3 document is incorrect. The network operations factor of 30% is a conservative adjustment to information provided by Pacific Bell in the testimony of R.L. Scholl.

Exhibit No. 2: (Late-filed) Original Pacific Bell end-office traffic sensitive fraction.

Response: The traffic-sensitive fraction of switching investment is based on common industry knowledge. Any adjustments to specific data have consisted solely of rounding to the generally accepted 70/30 ratio of investment.

Exhibit No. 3: (Late-filed) Information obtained from switch manufacturers.

Response: The investment data for larger switches have been obtained by discussions between HAI personnel and contractors and switch vendors. The switch manufacturers have provided this information but have asked not to be cited directly.

Exhibit No. 4: (Late-filed) Any instances for Sprint Florida in which Hatfield modeled a second switch.

Response: No second switches were added to central offices due to processor exhaust in the run of the Hatfield Model for Sprint-United Florida.

Exhibit No. 5: (Late-filed) Companies and/or industries in second regression analysis.

Response: The airline and automotive industries were considered in the study that produced a corporate overhead estimate of 6% revenues.

Exhibit No. 6: (Late-filed) AT&T capacity cost study.

Response: A copy of this report is being obtained and will be provided.

Exhibit No. 7: (Late-filed) Quote from a manufacturer or manufacturers for 15 thousand dollars for equipment and installation.

Response: The assumed investment in regenerators is based on conversations between the Hatfield Model outside plant expert, John Donovan, and vendors. These vendors have asked not to be cited directly.

LATE-FILED EXHIBITS
TO DEPOSITION OF DON J. WOOD
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Exhibit No. 8: (Late-filed) Mix of cable gauges that underlies the cost values on pages 29, et cetera.

Response: The cable prices in the Hatfield Model are based on 24 gauge cable. 26 gauge cable is not included in the cable investment assumptions.

Exhibit No. 9: (Late filed) Where in the model and/or RAM-3 one will find the investment and expenses for load coils and loop extenders.

Response: No investment for load coils or loop extenders are explicitly included in the model. In those areas studied in which long loops are necessary, sufficient investment dollars are nevertheless provided by the model to provide this equipment.

Exhibit No. 10: (Late-filed) Number of CBGs in which the Hatfield model costs out multiple duct runs.

Response: No multiple conduit runs are explicitly assumed in the Hatfield Model. In those areas studied in which large diameter cables are necessary, sufficient investment dollars are nevertheless provided by the model to provide these facilities.

Exhibit No. 11: (Late-filed) Amended Exhibit DJW-2

Response: A corrected version of the User Inputs spreadsheet is attached.

Exhibit No. 12: (Late-filed) Identification of corrected cells in worksheet F1_wf_sp.xls.

Response: No correction is necessary. Mr. Wood and representatives from Deloitte-Touche have confirmed that the working cells in the Model contain the correct values.

Note: Anything in italics in the two columns containing values is a calculated value.
Don't change any of these manually.

12/2/98 11:45
DataM

You may change any of the input values (highlighted in blue) directly in this sheet. However, if you subsequently use one of the dialogs to set values, any values entered there will override any changes you make manually here.

1	**State**		*Florida*			Workfile	*FALSE*		
2	Company 1		*Sprint-United Centel*			Workfile path	*FALSE*		
3	Company 2					ID Code	HMG0819961400		
4	Company 3								
	Input Name	**Default**	**Inputs**	**Variable Name**	**Model Reference**		**Module**	**Sheet**	**Cell Ref**
	Cost of Capital Factors								
	Depreciation Lives								
5	Loop Distribution	20	20	DistLife	Expense, Inputs, H37 Expense		Inputs		H37
6	Loop Feeder	20	20	FeedLife	Expense, Inputs, H38 Expense		Inputs		H38
7	Loop Concentrator	10	10	ConcLife	Expense, Inputs, H39 Expense		Inputs		H39
8	Wire Center	37	37	WireLife		Expense	Inputs		H41
9	End Office Switching	14.3	14.3	EOLife	Expense, Inputs, H40 Expense		Inputs		H40
10	Tandem Switching	14.3	14.3	TandLife	Expense, Inputs, H42 Expense		Inputs		H42
11	Transport Facilities	19	19	TransLife	Expense, Inputs, H45 Expense		Inputs		H44
12	Operator Systems	8	8	OpLife	Expense, Inputs, H43 Expense		Inputs		H43
13	STP	14	14	STPLife	Expense, Inputs, H46 Expense		Inputs		H45
14	SCP	14	14	SCPLife	Expense, Inputs, H50 Expense		Inputs		H46
15	Links	19	19	LinkLife	Expense, Inputs, H52 Expense		Inputs		H47
16	Public Telephones	9	9	PubLife	Expense, Inputs, H54 Expense		Inputs		H48
17	General Support	7	7	GenLife	Expense, Inputs, H55 Expense		Inputs		H49
	Cost of Capital								
18	Debt Percent	45.00%	45.00%	DebtP					
19	Cost of Debt	7.70%	7.70%	DebtCost	Expense, Inputs, C34 Expense		Inputs		C34
20	Cost of Equity	11.90%	11.90%	EquityCost	Expense, Inputs, C35 Expense		Inputs		C35
21	*Equity Percent*	*55.00%*	*55.00%*		Expense, Inputs, C37 Expense		Inputs		C37
22	*Overall Cost of Capital*	*10.01%*	*10.01%*		Expense, Inputs, C36				
					Expense, Inputs, D38				
	Misc Expense Factors								
23	Variable Overhead Factor	10.00%	10.00%	VarOvhd					
24	Federal Income Tax Rate	40.00%	40.00%	FITRate	Expense, Inputs, C42 Expense		Inputs		C42
25	Other Taxes Factor	5.00%	5.00%	OtherTax	Expense, Inputs, H35 Expense		Inputs		H35
26	Operating State and Local Income Tax Fa	1.00%	1.00%	StateIT	Expense, Inputs, C43 Expense		Inputs		C43
27	Billing/Bill Inquiry per line per month $	1.22	$1.22	Billing	Expense, Inputs, C44 Expense		Inputs		C44
28	Directory Listing per line per month $	0.15	$0.15	Directory	Expense, Inputs, C46 Expense		Inputs		C45
29	Forward-Looking Network Operations Fac	70.00%	70.00%	NetOps	Expense, Inputs, C47 Expense		Inputs		C46
30	Central Office Switching Expense Factor	2.69%	2.69%	COSwitch		Expense	Inputs		C48
31	End Office Traffic-Sensitive Fraction	70.00%	70.00%	EOTraffic	Expense, Inputs, C49 Expense		Inputs		C47
32	per-line Monthly LNP Cost $	0.25	$0.25	LNP		Expense	Inputs		C51
	alternative CO switching factor	0.0269	0.0269	ACOSF	Expense, Inputs, C51 Expense		Inputs		C52
	alternative circuit equipment factor	0.0153	0.0153	ACEF		Expense	Inputs		C49
	Carrier-carrier customer service per line p $	1.56	$1.56	CarCar		Expense	Inputs		C50
	NID expense per line per year $	3.00	$3.00	NIDExp		Expense	Inputs		C58
	Swithc line circuit offset per DLC line $	35.00	$35.00	CircOffs		Expense	Inputs		C59
						Expense	Inputs		C62
	Fill Factors								
	Cable								
	Feeder								
34	0-5	0.65	0.65	Feeder0					
35	5-200	0.75	0.75	Feeder5	Loopmaster, Input, R18 Loopmaster		Input		S18
36	200-650	0.80	0.80	Feeder200	Loopmaster, Input, R19 Loopmaster		Input		S19
37	650-850	0.80	0.80	Feeder650	Loopmaster, Input, R20 Loopmaster		Input		S20
38	850-2550	0.80	0.80	Feeder850	Loopmaster, Input, R21 Loopmaster		Input		S21
39	2550+	0.80	0.80	Feeder2550	Loopmaster, Input, R22 Loopmaster		Input		S22
					Loopmaster, Input, R23 Loopmaster		Input		S23
	Distribution								
	0-5	0.50	0.50	Dist0					
	5-200	0.55	0.55	Dist5	Loopmaster, Input, S18 Loopmaster		Input		T18
	200-650	0.60	0.60	Dist200	Loopmaster, Input, S19 Loopmaster		Input		T19
	650-850	0.65	0.65	Dist650	Loopmaster, Input, S20 Loopmaster		Input		T20
	850-2550	0.70	0.70	Dist850	Loopmaster, Input, S21 Loopmaster		Input		T21
	2550+	0.75	0.75	Dist2550	Loopmaster, Input, S22 Loopmaster		Input		T22
					Loopmaster, Input, S23 Loopmaster		Input		T23
	EO Switching Parameters								
	Busy hour call attempts, residential	1.3	1.3	BHCAR	WireCenter, traffic and cost inputs, F20 WireCenter		traffic and cost inputs		F28
	Busy hour call attempts, business	3.5	3.5	BHCAB	WireCenter, traffic and cost inputs, F21 WireCenter		traffic and cost inputs		F29
	Switch Maximum Line Size	100,000	100,000	MaxLines	WireCenter, traffic and cost inputs, C19 WireCenter		traffic and cost inputs		C27
	Switch Maximum Line Fill	0.80	0.8	MaxLineFill	WireCenter, traffic and cost inputs, C21 WireCenter		traffic and cost inputs		C29
	Switch Maximum Processor Occupancy	0.90	0.9	MaxProc	WireCenter, traffic and cost inputs, C22 WireCenter		traffic and cost inputs		C30
	Processor Feature Loading Multiplier	1.00	1	FeatureMult	WireCenter, traffic and cost inputs, C23 WireCenter		traffic and cost inputs		C31
	Switch Installation Multiplier	1.10	1.1	InstallMult	WireCenter, traffic and cost inputs, C25 WireCenter		traffic and cost inputs		C33
	Switch Parameters								
	Switch real-time limit, BHCA								

1 - 1,000		10,000	10,000	BHCA1		WireCenter	traffic and cost inputs	C16
1,000 - 10,000		50,000	50,000	BHCA2		WireCenter	traffic and cost inputs	C17
10,000 - 40,000		200,000	200,000	BHCA3		WireCenter	traffic and cost inputs	C18
40,000+		600,000	600,000	BHCA4		WireCenter	traffic and cost inputs	C19
Switch traffic limit, BHCCS								
1 - 1,000		10,000	10,000	BHCCS1		WireCenter	traffic and cost inputs	C23
1,000 - 10,000		50,000	50,000	BHCCS2		WireCenter	traffic and cost inputs	C24
10,000 - 40,000		500,000	500,000	BHCCS3		WireCenter	traffic and cost inputs	C25
40,000+		1,000,000	1,000,000	BHCCS4		WireCenter	traffic and cost inputs	C26
Switch cost points	*lines*							
Low line size		2,782	2,782	LowSize		WireCenter	traffic and cost inputs	F6
Mid line size		11,200	11,200	MidSize		WireCenter	traffic and cost inputs	G6
High line size		80,000	80,000	HighSize		WireCenter	traffic and cost inputs	H6
	cost/line							
Low line size	$	220.00	$220.00	LowCost		WireCenter	traffic and cost inputs	F5
Mid line size	$	86.00	$86.00	MidCost		WireCenter	traffic and cost inputs	G5
High line size	$	59.00	$59.00	HighCost		WireCenter	traffic and cost inputs	H5
Residential Holding Time Multiplier		1.00	1.00	resHT		WireCenter	traffic and cost inputs	F19
Business Holding Time Multiplier		1.00	1.00	busHT		WireCenter	traffic and cost inputs	F20
Busy Hour fraction of daily usage		0.10	0.10	BHF		WireCenter	traffic and cost inputs	F16
Annual to daily usage reduction factor		270.00	270.00	UsRed		WireCenter	traffic and cost inputs	F17

Interoffice and Tandem Parameters

Operator Traffic Fraction		0.02	0.02	OpFrac	WireCenter, traffic and cost inputs, C31	WireCenter	traffic and cost inputs	C39
Total Interoffice Traffic Fraction		0.65	0.65	InterFrac	WireCenter, traffic and cost inputs, C32	WireCenter	traffic and cost inputs	C40
Direct-Routed Fraction of Local Interoffice		0.98	0.98	DirectFrac	WireCenter, traffic and cost inputs, C35	WireCenter	traffic and cost inputs	C43
Maximum Trunk Occupancy, CCS		27.5	27.5	TrunkCCS	WireCenter, traffic and cost inputs, C38	WireCenter	traffic and cost inputs	C46
Trunk Termination Investment, per end	$	100	$100	TermInv	WireCenter, traffic and cost inputs, C39	WireCenter	traffic and cost inputs	C47
Average Direct Route Distance, miles		10	10	Miles	WireCenter, traffic and cost inputs, C41	WireCenter	traffic and cost inputs	C48
Average Trunk Usage Fraction		0.3	0.3	TrunkFrac	WireCenter, traffic and cost inputs, C42	WireCenter	traffic and cost inputs	C50
Toll traffic inputs								
Tandem-routed % of total intraLATA traffi		0.2	0.2	tandLATA		WireCenter	traffic and cost inputs	F82
Average direct intraLATA route distance,		25	25	LATAdist		WireCenter	traffic and cost inputs	F83
Tandem-routed % of total interLATA traffi		0.2	0.2	tandAccess		WireCenter	traffic and cost inputs	F85
Average direct access route distance, mi.		15	15	Accessdist		WireCenter	traffic and cost inputs	F86
Tandem Switching parameters								
real time limit, BHCA		1,500,000	1,500,000	tandBHCA		WireCenter	traffic and cost inputs	C53
port limit, trunks		120,000	120,000	portlimit		WireCenter	traffic and cost inputs	C54
common equipment investment	$	1,000,000	$1,000,000	tandcominv		WireCenter	traffic and cost inputs	C55
maximum trunk fill		0.8	0.8	maxtrunkfill		WireCenter	traffic and cost inputs	C56
maximum real time occupancy		0.9	0.9	tandmaxocc		WireCenter	traffic and cost inputs	C57
common equipment intercept factor		0.25	0.25	tandintercept		WireCenter	traffic and cost inputs	C58

Wire Center Parameters

Lot size, multiplier of switch room size		2	2	LotSize		WireCenter	traffic and cost inputs	C71
Tandem/EO wire center common factor		0.40	0.4	WCcomm		WireCenter	traffic and cost inputs	C73
Power and frame investment		*sum of power & frame*						
0	$	10,000	$10,000	PF1		WireCenter	traffic and cost inputs	C83
1,000	$	20,000	$20,000	PF2		WireCenter	traffic and cost inputs	C84
5,000	$	40,000	$40,000	PF3		WireCenter	traffic and cost inputs	C85
25,000	$	100,000	$100,000	PF4		WireCenter	traffic and cost inputs	C86
50,000	$	500,000	$500,000	PF5		WireCenter	traffic and cost inputs	C87
Switch Room size table		*floor area required*						
0		500	500	Room1		WireCenter	traffic and cost inputs	C92
1,000		1000	1,000	Room2		WireCenter	traffic and cost inputs	C93
5,000		2000	2,000	Room3		WireCenter	traffic and cost inputs	C94
25,000		5000	5,000	Room4		WireCenter	traffic and cost inputs	C95
50,000		10000	10,000	Room5		WireCenter	traffic and cost inputs	C96
Construction costs, per sq ft		*construction/$/sq ft*						
0	$	75	$75	Const1		WireCenter	traffic and cost inputs	C102
1,000	$	85	$85	Const2		WireCenter	traffic and cost inputs	C103
5,000	$	100	$100	Const3		WireCenter	traffic and cost inputs	C104
25,000	$	125	$125	Const4		WireCenter	traffic and cost inputs	C105
50,000	$	150	$150	Const5		WireCenter	traffic and cost inputs	C106
Land price, per sq ft		*price/sq ft*						
0	$	5.00	$5.00	Land1		WireCenter	traffic and cost inputs	C111
1,000	$	7.50	$7.50	Land2		WireCenter	traffic and cost inputs	C112
5,000	$	10.00	$10.00	Land3		WireCenter	traffic and cost inputs	C113
25,000	$	15.00	$15.00	Land4		WireCenter	traffic and cost inputs	C114
50,000	$	20.00	$20.00	Land5		WireCenter	traffic and cost inputs	C115

Distribution Structure Inputs

Aerial Fraction							
0-5	0.5	0.5	distaerial1	Convergence	Convergence	Inputs	C46
5-200	0.5	0.5	distaerial2	Convergence	Convergence	Inputs	C47
200-650	0.5	0.5	distaerial3	Convergence	Convergence	Inputs	C48

650-850		0.5	0.5	distaerial4	Convergence Convergence	Inputs	C49
850-2550		0.4	0.4	distaerial5	Convergence Convergence	Inputs	C50
2550+		0.65	0.65	distaerial6	Convergence Convergence	Inputs	C51
Buried Fraction							
0-5		0.5	0.5	distbur1	Convergence Convergence	Inputs	D46
5-200		0.5	0.5	distbur2	Convergence Convergence	Inputs	D47
200-650		0.5	0.5	distbur3	Convergence Convergence	Inputs	D48
650-850		0.5	0.5	distbur4	Convergence Convergence	Inputs	D49
850-2550		0.5	0.5	distbur5	Convergence Convergence	Inputs	D50
2550+		0.05	0.05	distbur6	Convergence Convergence	Inputs	D51
Underground Fraction							
0-5		*0*	*0*	*distug1*	Convergence Calculated	Inputs	E46
5-200		*0*	*0*	*distug2*	Convergence Calculated	Inputs	E47
200-650		*0*	*0*	*distug3*	Convergence Calculated	Inputs	E48
650-850		*0*	*0*	*distug4*	Convergence Calculated	Inputs	E49
850-2550		*0.1*	*0.1*	*distug5*	Convergence Calculated	Inputs	E50
2550+		*0.3*	*0.3*	*distug6*	Convergence Calculated	Inputs	E51
Buried Installation/foot							
0-5	$	2.00	$2.00	distburinv1	Convergence Convergence	Inputs	G46
5-200	$	2.00	$2.00	distburinv2	Convergence Convergence	Inputs	G47
200-650	$	2.00	$2.00	distburinv3	Convergence Convergence	Inputs	G48
650-850	$	3.00	$3.00	distburinv4	Convergence Convergence	Inputs	G49
850-2550	$	3.00	$3.00	distburinv5	Convergence Convergence	Inputs	G50
2550+	$	20.00	$20.00	distburinv6	Convergence Convergence	Inputs	G51
Conduit Installation/foot							
0-5	$	25.00	$25.00	distcondinv1	Convergence Convergence	Inputs	H46
5-200	$	25.00	$25.00	distcondinv2	Convergence Convergence	Inputs	H47
200-650	$	25.00	$25.00	distcondinv3	Convergence Convergence	Inputs	H48
650-850	$	25.00	$25.00	distcondinv4	Convergence Convergence	Inputs	H49
850-2550	$	45.00	$45.00	distcondinv5	Convergence Convergence	Inputs	H50
2550+	$	70.00	$70.00	distcondinv6	Convergence Convergence	Inputs	H51
Pole spacing, feet		150	150	distpolespace	Convergence Convergence	Inputs	C53
Pole investment	$	450	$450	distpoleinv	Convergence Convergence	Inputs	C54
Conduit investment per foot	$	1.00	$1.00	distcondinv	Convergence Convergence	Inputs	C55
Manhole investment, per manhole	$	3,000	$3,000	distmanhinv	Convergence Convergence	Inputs	C56
Buried cable armoring multiplier		1.1	1.1	distarmormult	Convergence Convergence	Inputs	C57

Copper Feeder Structure Inputs

Aerial Fraction							
0-5		0.5	0.5	cufeedaerial1	Convergence Convergence	Inputs	C64
5-200		0.5	0.5	cufeedaerial2	Convergence Convergence	Inputs	C65
200-650		0.5	0.5	cufeedaerial3	Convergence Convergence	Inputs	C66
650-850		0.4	0.4	cufeedaerial4	Convergence Convergence	Inputs	C67
850-2550		0.1	0.1	cufeedaerial5	Convergence Convergence	Inputs	C68
2550+		0.05	0.05	cufeedaerial6	Convergence Convergence	Inputs	C69
Buried Fraction							
0-5		0.45	0.45	cufeedbur1	Convergence Convergence	Inputs	D64
5-200		0.45	0.45	cufeedbur2	Convergence Convergence	Inputs	D65
200-650		0.45	0.45	cufeedbur3	Convergence Convergence	Inputs	D66
650-850		0.4	0.4	cufeedbur4	Convergence Convergence	Inputs	D67
850-2550		0.1	0.1	cufeedbur5	Convergence Convergence	Inputs	D68
2550+		0.05	0.05	cufeedbur6	Convergence Convergence	Inputs	D69
Underground Fraction							
0-5		*0.05*	*0.05*	*cufeedug1*	Convergence Calculated	Inputs	E64
5-200		*0.05*	*0.05*	*cufeedug2*	Convergence Calculated	Inputs	E65
200-650		*0.05*	*0.05*	*cufeedug3*	Convergence Calculated	Inputs	E66
650-850		*0.2*	*0.2*	*cufeedug4*	Convergence Calculated	Inputs	E67
850-2550		*0.8*	*0.8*	*cufeedug5*	Convergence Calculated	Inputs	E68
2550+		*0.9*	*0.9*	*cufeedug6*	Convergence Calculated	Inputs	E69
Buried Installation/foot							
0-5	$	2.00	$2.00	cufeedburinv1	Convergence Convergence	Inputs	G64
5-200	$	2.00	$2.00	cufeedburinv2	Convergence Convergence	Inputs	G65
200-650	$	2.00	$2.00	cufeedburinv3	Convergence Convergence	Inputs	G66
650-850	$	3.00	$3.00	cufeedburinv4	Convergence Convergence	Inputs	G67
850-2550	$	3.00	$3.00	cufeedburinv5	Convergence Convergence	Inputs	G68
2550+	$	25.00	$25.00	cufeedburinv6	Convergence Convergence	Inputs	G69
Conduit Installation/foot							
0-5	$	25.00	$25.00	cufeedcondinv1	Convergence Convergence	Inputs	H64
5-200	$	25.00	$25.00	cufeedcondinv2	Convergence Convergence	Inputs	H65
200-650	$	25.00	$25.00	cufeedcondinv3	Convergence Convergence	Inputs	H66
650-850	$	25.00	$25.00	cufeedcondinv4	Convergence Convergence	Inputs	H67
850-2550	$	45.00	$45.00	cufeedcondinv5	Convergence Convergence	Inputs	H68
2550+	$	75.00	$75.00	cufeedcondinv6	Convergence Convergence	Inputs	H69
Manhole Spacing, ft.							
0-5		800	800	cufeedman1	Convergence Convergence	Inputs	F64
5-200		800	800	cufeedman2	Convergence Convergence	Inputs	F65
200-650		800	800	cufeedman3	Convergence Convergence	Inputs	F66
650-850		800	800	cufeedman4	Convergence Convergence	Inputs	F67

850-2550		600	600	cufeedman5	Convergence Convergence	Inputs	F68
2550+		400	400	cufeedman6	Convergence Convergence	Inputs	F69
Pole spacing, feet		150	150	ufeedpolespac	Convergence Convergence	Inputs	C71
Pole investment	$	450	$450	cufeedpoleinv	Convergence Convergence	Inputs	C72
Conduit investment per foot	$	1.00	$1.00	cufeedcondinv	Convergence Convergence	Inputs	C73
Manhole investment, per manhole	$	3,000	$3,000	cufeedmanhinv	Convergence Convergence	Inputs	C74
Buried cable armoring multiplier		1.1	1.1	ufeedarmormul	Convergence Convergence	Inputs	C75

Fiber Feeder Structure Inputs

Aerial Fraction							
0-5		0.35	0.35	fibfeedaerial1	Convergence Convergence	Inputs	C81
5-200		0.35	0.35	fibfeedaerial2	Convergence Convergence	Inputs	C82
200-650		0.35	0.35	fibfeedaerial3	Convergence Convergence	Inputs	C83
650-850		0.2	0.2	fibfeedaerial4	Convergence Convergence	Inputs	C84
850-2550		0.1	0.1	fibfeedaerial5	Convergence Convergence	Inputs	C85
2550+		0.05	0.05	fibfeedaerial6	Convergence Convergence	Inputs	C86
Buried Fraction							
0-5		0.6	0.6	fibfeedbur1	Convergence Convergence	Inputs	D81
5-200		0.6	0.6	fibfeedbur2	Convergence Convergence	Inputs	D82
200-650		0.6	0.6	fibfeedbur3	Convergence Convergence	Inputs	D83
650-850		0.6	0.6	fibfeedbur4	Convergence Convergence	Inputs	D84
850-2550		0.1	0.1	fibfeedbur5	Convergence Convergence	Inputs	D85
2550+		0.05	0.05	fibfeedbur6	Convergence Convergence	Inputs	D86
Underground Fraction							
0-5		*0.05*	*0.05*	*fibfeedug1*	Convergence Calculated	Inputs	E81
5-200		*0.05*	*0.05*	*fibfeedug2*	Convergence Calculated	Inputs	E82
200-650		*0.05*	*0.05*	*fibfeedug3*	Convergence Calculated	Inputs	E83
650-850		*0.2*	*0.2*	*fibfeedug4*	Convergence Calculated	Inputs	E84
850-2550		*0.8*	*0.8*	*fibfeedug5*	Convergence Calculated	Inputs	E85
2550+		*0.9*	*0.9*	*fibfeedug6*	Convergence Calculated	Inputs	E86
Buried Installation/foot							
0-5	$	2.00	$2.00	fibfeedburinv1	Convergence Convergence	Inputs	G81
5-200	$	2.00	$2.00	fibfeedburinv2	Convergence Convergence	Inputs	G82
200-650	$	2.00	$2.00	fibfeedburinv3	Convergence Convergence	Inputs	G83
650-850	$	3.00	$3.00	fibfeedburinv4	Convergence Convergence	Inputs	G84
850-2550	$	3.00	$3.00	fibfeedburinv5	Convergence Convergence	Inputs	G85
2550+	$	20.00	$20.00	fibfeedburinv6	Convergence Convergence	Inputs	G86
Conduit Installation/foot							
0-5	$	25.00	$25.00	fibfeedcondinv1	Convergence Convergence	Inputs	H81
5-200	$	25.00	$25.00	fibfeedcondinv2	Convergence Convergence	Inputs	H82
200-650	$	25.00	$25.00	fibfeedcondinv3	Convergence Convergence	Inputs	H83
650-850	$	25.00	$25.00	fibfeedcondinv4	Convergence Convergence	Inputs	H84
850-2550	$	45.00	$45.00	fibfeedcondinv5	Convergence Convergence	Inputs	H85
2550+	$	70.00	$70.00	fibfeedcondinv6	Convergence Convergence	Inputs	H86
Manhole Spacing, ft.							
0-5		2,000	2,000	fibfeedman1	Convergence Convergence	Inputs	F81
5-200		2,000	2,000	fibfeedman2	Convergence Convergence	Inputs	F82
200-650		2,000	2,000	fibfeedman3	Convergence Convergence	Inputs	F83
650-850		2,000	2,000	fibfeedman4	Convergence Convergence	Inputs	F84
850-2550		2,000	2,000	fibfeedman5	Convergence Convergence	Inputs	F85
2550+		2,000	2,000	fibfeedman6	Convergence Convergence	Inputs	F86
Buried cable armoring per foot, fiber	$	0.20	$0.20	ibfeedarmormul	Convergence Convergence	Inputs	C88

Misc Loop Investment Inputs

Drop investment per line	$	40.00	$40.00	dropinv	Convergence Convergence	Inputs	J3
NID investment per line	$	30.00	$30.00	NIDinv	Convergence Convergence	Inputs	J4
Terminal and splice per line	$	35.00	$35.00	Spliceinv	Convergence Convergence	Inputs	J5
Average lines per business location		4	4	BusLinesLoc	Convergence Convergence	Inputs	J6
Feeder structure fraction shared w/ interoff		0.25	0.25	FeedShare	Convergence		
Distribution structure % assigned to telephone							
aerial		0.33	0.33	AirDistTel	Convergence Expense	Inputs	F59
buried		0.33	0.33	BurDistTel	Convergence Expense	Inputs	H59
underground		0.33	0.33	UgDistTel	Convergence Expense	Inputs	G59
Feeder structure % assigned to telephone							
aerial		0.33	0.33	AirFeedTel	Convergence Expense	Inputs	F60
buried		0.33	0.33	BurFeedTel	Convergence Expense	Inputs	H60
underground		0.33	0.33	UgFeedTel	Convergence Expense	Inputs	G60
SAI Investment, installed							
Distribution cable size		*copper feeder*					
0	$	500.00	$500.00	cuSAI1	Convergence Convergence	Inputs	I16
100	$	700.00	$700.00	cuSAI2	Convergence Convergence	Inputs	I17
200	$	900.00	$900.00	cuSAI3	Convergence Convergence	Inputs	I18
400	$	1,100.00	$1,100.00	cuSAI4	Convergence Convergence	Inputs	I19
600	$	1,300.00	$1,300.00	cuSAI5	Convergence Convergence	Inputs	I20
900	$	1,500.00	$1,500.00	cuSAI6	Convergence Convergence	Inputs	I21
1200	$	1,700.00	$1,700.00	cuSAI7	Convergence Convergence	Inputs	I22
1800	$	1,900.00	$1,900.00	cuSAI8	Convergence Convergence	Inputs	I23

2400	$	2,100.00	$2,100.00	cuSAI9	Convergence	Convergence	Inputs	I24
3000	$	2,300.00	$2,300.00	cuSAI10	Convergence	Convergence	Inputs	I25
3600	$	2,500.00	$2,500.00	cuSAI11	Convergence	Convergence	Inputs	I26
Distribution cable size		*fiber feeder*						
0	$	2,500.00	$2,500.00	fibSAI1	Convergence	Convergence	Inputs	J16
100	$	2,700.00	$2,700.00	fibSAI2	Convergence	Convergence	Inputs	J17
200	$	2,900.00	$2,900.00	fibSAI3	Convergence	Convergence	Inputs	J18
400	$	3,100.00	$3,100.00	fibSAI4	Convergence	Convergence	Inputs	J19
600	$	3,300.00	$3,300.00	fibSAI5	Convergence	Convergence	Inputs	J20
900	$	3,500.00	$3,500.00	fibSAI6	Convergence	Convergence	Inputs	J21
1200	$	3,700.00	$3,700.00	fibSAI7	Convergence	Convergence	Inputs	J22
1800	$	3,900.00	$3,900.00	fibSAI8	Convergence	Convergence	Inputs	J23
2400	$	4,100.00	$4,100.00	fibSAI9	Convergence	Convergence	Inputs	J24
3000	$	4,300.00	$4,300.00	fibSAI10	Convergence	Convergence	Inputs	J25
3600	$	4,500.00	$4,500.00	fibSAI11	Convergence	Convergence	Inputs	J26

Digital Loop Carrier Inputs

SLC (TR-303)								
site, housing, and power per remote termi	$	3,000.00	$3,000.00	SLChouse	Convergence	Convergence	Inputs	D26
maximum lines		672	672	SLCmaxlines	Convergence	Convergence	Inputs	D27
remote terminal fill factor		0.9	0.9	SLCfill	Convergence	Convergence	Inputs	D28
common equipment investment	$	42,000.00	$42,000.00	SLCcomm	Convergence	Convergence	Inputs	D29
channel unit investment per line	$	75.00	$75.00	SLCchan	Convergence	Convergence	Inputs	D30
DS-0s per fiber		2,016	$2,016.00			Loopmaster	Input	X19
Fibers per remote terminal		4	$4.00			Loopmaster	Input	Y19
AFC								
site, housing, and power per remote termi	$	2,500.00	$2,500.00	AFChouse	Convergence	Convergence	Inputs	D34
maximum lines		100	100	AFCmaxlines	Convergence	Convergence	Inputs	D35
remote terminal fill factor		0.9	0.9	AFCfill	Convergence	Convergence	Inputs	D36
common equipment investment	$	10,000.00	$10,000.00	AFCcomm	Convergence	Convergence	Inputs	D37
channel unit investment per line	$	150.00	$150.00	AFCchan	Convergence	Convergence	Inputs	D38
DS-0s per fiber		2,016	2,016			Loopmaster	Input	X20
Fibers per remote terminal		4	4			Loopmaster	Input	Y20
Fiber feeder distance threshold, ft. (feeder		9,000	9,000			Loopmaster	Input	W23

Signaling Parameters

STP Link Capacity		720	720	STPcap	WireCenter	WireCenter	traffic and cost inputs	F39
STP Maximum Fill		0.8	0.8	STPfill	WireCenter	WireCenter	traffic and cost inputs	F40
STP Investment, per pair, fully equipped	$	5,000,000.00	$5,000,000.00	STPInv	WireCenter	WireCenter	traffic and cost inputs	F41
STP common equipment investment, per	$	1,000,000.00	$1,000,000.00	STPcomm	WireCenter	WireCenter	traffic and cost inputs	F42
Link Termination, both ends	$	900.00	$900.00	LinkTerm	WireCenter	WireCenter	traffic and cost inputs	F43
Signaling Link Bit Rate		56,000	56000	LinkRate	WireCenter	WireCenter	traffic and cost inputs	F45
Link Occupancy		0.4	0.4	LinkOcc	WireCenter	WireCenter	traffic and cost inputs	F46
C Link Cross-Section		24	24	LinkCross	WireCenter	WireCenter	traffic and cost inputs	F47
ISUP messages per interoffice BHCA		6	6	ISUPmsgs	WireCenter	WireCenter	traffic and cost inputs	F48
ISUP message length, bytes		25	25	ISUPlen	WireCenter	WireCenter	traffic and cost inputs	F49
TCAP messages per transaction		2	2	TCAPmsgs	WireCenter	WireCenter	traffic and cost inputs	F51
TCAP message length, bytes		100	100	TCAPlen	WireCenter	WireCenter	traffic and cost inputs	F52
Fraction of BHCA requiring TCAP		0.1	0.1	TCAPFrac	WireCenter	WireCenter	traffic and cost inputs	F53
SCP investment per transaction per seco	$	20,000.00	$20,000.00	SCPInv	WireCenter	WireCenter	traffic and cost inputs	F54

Misc Inputs

Operator position parameters								
Investment per position	$	3,500.00	$3,500.00	opInv	WireCenter	WireCenter	traffic and cost inputs	C62
Maximum utilization per position, CCS		27	27	opccs	WireCenter	WireCenter	traffic and cost inputs	C63
Operator intervention factor		10	10	opint	WireCenter	WireCenter	traffic and cost inputs	C64
Operator position remote distance, mi.		0	0	opdist	WireCenter	WireCenter	traffic and cost inputs	C65
Other								
DS0/DS1 crossover		24	24	DS0cross	Expense	Expense	Inputs	C60
DS1/DS3 crossover		28	28	DS1cross	Expense	Expense	Inputs	C61
Public Telephone investment per station	$	1,200.00	$1,200.00	PubInv	WireCenter	WireCenter	traffic and cost inputs	F130

Transport Investment

					Wire Center			
Terminal Investment								
Number of Fibers		24	24	termfib		WireCenter	traffic and cost inputs	C142
FOT capacity, DS-3s		12	12	FOTcap		WireCenter	traffic and cost inputs	C143
FOT fill		0.8	0.8	FOTfill		WireCenter	traffic and cost inputs	C144
FOT, installed	$	43,000.00	$43,000.00	FOTinst		WireCenter	traffic and cost inputs	C145
Pigtails	$	60.00	$60.00	pigs		WireCenter	traffic and cost inputs	C146
Panel	$	1,000.00	$1,000.00	panel		WireCenter	traffic and cost inputs	C147
EF&I, per hour	$	55.00	$55.00	efi		WireCenter	traffic and cost inputs	C148
EF&I units		32	32	EFIU		WireCenter	traffic and cost inputs	D148
Medium Investment								
Fraction of structure assigned to telephon		0.33	0.33	telfrac		WireCenter	traffic and cost inputs	C152
Fraction of structure shared with feeder		0.25	0.25	feedfrac		WireCenter	traffic and cost inputs	C153
Distance, mi.		41	41	dist		WireCenter	traffic and cost inputs	C154
Regenerator spacing, mi.		40	40	regensp		WireCenter	traffic and cost inputs	C155
Regenerator investment, installed	$	15,000.00	$15,000.00	regeninv		WireCenter	traffic and cost inputs	C157

User Inputs

Fiber Cable investment per foot	$	2.00	$2.00	fibinv	WireCenter	traffic and cost inputs	C159
Placement	$	2.00	$2.00	fibplace	WireCenter	traffic and cost inputs	C160
Splice Spacing, ft.		20,000	20000	splicesp	WireCenter	traffic and cost inputs	C161
Splice Cost	$	15.00	$15.00	splice	WireCenter	traffic and cost inputs	C162
Trenching per foot	$	45.00	$45.00	trench	WireCenter	traffic and cost inputs	C163
Resurfacing per foot	$	10.00	$10.00	resurf	WireCenter	traffic and cost inputs	C164
Conduit per foot	$	4.00	$4.00	condit	WireCenter	traffic and cost inputs	C165
Number of tubes		2	2	tubes	WireCenter	traffic and cost inputs	C166
Manhole investment	$	5,000.00	$5,000.00	manhinv	WireCenter	traffic and cost inputs	C170
Manhole spacing		1,000	1000	manhsp	WireCenter	traffic and cost inputs	C169
Buried installation per foot	$	5.00	$5.00	burinst	WireCenter	traffic and cost inputs	C173
Pole investment		450	450	poleinv	WireCenter	traffic and cost inputs	C175
Pole spacing		150	150	polesp	WireCenter	traffic and cost inputs	C176
Underground percent		35.00%	35.00%	ugfrac	WireCenter	traffic and cost inputs	C179
Buried percent		50.00%	50.00%	burfrac	WireCenter	traffic and cost inputs	C180
Aerial percent		15.00%	15.00%	airfrac	WireCenter	traffic and cost inputs	C181

Call Attempts & DEMs

wire center

Call Attempts

Local	3759859000	3,759,859,000	CALocal	WireCenter	traffic and cost inputs	F66
IntraLata Intrastate	146761000	146,761,000	CARaRa	WireCenter	traffic and cost inputs	F68
InterLata Intrastate	362348000	362,348,000	CAErRa	WireCenter	traffic and cost inputs	F69
InterLata Interstate	479367000	479,367,000	CaErEr	WireCenter	traffic and cost inputs	F70
Call Completion Fraction	0.7	0.70	CallComp	WireCenter	traffic and cost inputs	F67

DEMs

Local	18,545,325	18,545,325	DEMsLocal	WireCenter	traffic and cost inputs	F71
Intrastate	3,075,939	3,075,939	DEMsIntra	WireCenter	traffic and cost inputs	F72
Interstate	5,204,808	5,204,808	DEMsInter	WireCenter	traffic and cost inputs	F73
Local bus/res DEMs	1.1	1.1	LocalDF	WireCenter	traffic and cost inputs	K78
Intrastate bus/res DEMs	2	2	IntraDF	WireCenter	traffic and cost inputs	K79
Interstate bus/res DEMs	3	3	InterDF	WireCenter	traffic and cost inputs	K80

Line Counts

line converter

Residential	1227859	1,227,859	LCRes	LineConv	Output	V3
Business	472479	472,479	LCBus	LineConv	Output	W3
Special Access	93847	93,847	LCSA	LineConv	Output	X3
Public	11269	11,269	LCPub	LineConv	Output	Y3

Cable Costs

Feeder

Underground

Cable Size	Cost UG					
4200	$74.25	$74.25	FeedUG42	Loopmaster	Input	T64
3600	$63.75	$63.75	FeedUG36	Loopmaster	Input	T65
3000	$53.25	$53.25	FeedUG30	Loopmaster	Input	T66
2400	$42.75	$42.75	FeedUG24	Loopmaster	Input	T67
1800	$32.25	$32.25	FeedUG18	Loopmaster	Input	T68
1200	$21.75	$21.75	FeedUG12	Loopmaster	Input	T69
900	$16.50	$16.50	FeedUG9	Loopmaster	Input	T70
600	$11.25	$11.25	FeedUG6	Loopmaster	Input	T71
400	$7.75	$7.75	FeedUG4	Loopmaster	Input	T72
200	$4.25	$4.25	FeedUG2	Loopmaster	Input	T73
100	$2.50	$2.50	FeedUG1	Loopmaster	Input	T74

Aerial

Cable Size	Cost Aerial					
4200	$74.25	$74.25	FeedA42	Loopmaster	Input	U64
3600	$63.75	$63.75	FeedA36	Loopmaster	Input	U65
3000	$53.25	$53.25	FeedA30	Loopmaster	Input	U66
2400	$42.75	$42.75	FeedA24	Loopmaster	Input	U67
1800	$32.25	$32.25	FeedA18	Loopmaster	Input	U68
1200	$21.75	$21.75	FeedA12	Loopmaster	Input	U69
900	$16.50	$16.50	FeedA9	Loopmaster	Input	U70
600	$11.25	$11.25	FeedA6	Loopmaster	Input	U71
400	$7.75	$7.75	FeedA4	Loopmaster	Input	U72
200	$4.25	$4.25	FeedA2	Loopmaster	Input	U73
100	$2.50	$2.50	FeedA1	Loopmaster	Input	U74

Distribution

Underground

Cable Size	Cost UG					
3600	$63.75	$63.75	DistUG36	Loopmaster	Input	X64
3000	$53.25	$53.25	DistUG30	Loopmaster	Input	X65
2400	$42.75	$42.75	DistUG24	Loopmaster	Input	X66
1800	$32.25	$32.25	DistUG18	Loopmaster	Input	X67
1200	$21.75	$21.75	DistUG12	Loopmaster	Input	X68
900	$16.50	$16.50	DistUG9	Loopmaster	Input	X69
600	$11.25	$11.25	DistUG6	Loopmaster	Input	X70
400	$7.75	$7.75	DistUG4	Loopmaster	Input	X71
200	$4.25	$4.25	DistUG2	Loopmaster	Input	X72
100	$2.50	$2.50	DistUG1	Loopmaster	Input	X73
50	$1.63	$1.63	DistUG5	Loopmaster	Input	X74
25	$1.19	$1.19	DistUG25	Loopmaster	Input	X75

Aerial

Cable Size	Cost Aerial					
3600	$63.75	$63.75	DistA36	Loopmaster	Input	Y64
3000	$53.25	$53.25	DistA30	Loopmaster	Input	Y65

2400		$42.75	$42.75	DistA24	Loopmaster	Input	Y66
1800		$32.25	$32.25	DistA18	Loopmaster	Input	Y67
1200		$21.75	$21.75	DistA12	Loopmaster	Input	Y68
900		$16.50	$16.50	DistA9	Loopmaster	Input	Y69
600		$11.25	$11.25	DistA6	Loopmaster	Input	Y70
400		$7.75	$7.75	DistA4	Loopmaster	Input	Y71
200		$4.25	$4.25	DistA2	Loopmaster	Input	Y72
100		$2.50	$2.50	DistA1	Loopmaster	Input	Y73
50		$1.63	$1.63	DistA5	Loopmaster	Input	Y74
25		$1.19	$1.19	DistA25	Loopmaster	Input	Y75

Fiber

Underground

Cable Size	Cost UG					
216	$13.10	$13.10	FiberUG216	Loopmaster	Input	W47
144	$9.50	$9.50	FiberUG144	Loopmaster	Input	W48
96	$7.10	$7.10	FiberUG96	Loopmaster	Input	W49
72	$5.90	$5.90	FiberUG72	Loopmaster	Input	W50
60	$5.30	$5.30	FiberUG60	Loopmaster	Input	W51
48	$4.70	$4.70	FiberUG48	Loopmaster	Input	W52
36	$4.10	$4.10	FiberUG36	Loopmaster	Input	W53
24	$3.50	$3.50	FiberUG24	Loopmaster	Input	W54
18	$3.20	$3.20	FiberUG18	Loopmaster	Input	W55
12	$2.90	$2.90	FiberUG12	Loopmaster	Input	W56

Aerial

Cable Size	Cost Aerial					
216	$13.10	$13.10	FiberA216	Loopmaster	Input	X47
144	$9.50	$9.50	FiberA144	Loopmaster	Input	X48
96	$7.10	$7.10	FiberA96	Loopmaster	Input	X49
72	$5.90	$5.90	FiberA72	Loopmaster	Input	X50
60	$5.30	$5.30	FiberA60	Loopmaster	Input	X51
48	$4.70	$4.70	FiberA48	Loopmaster	Input	X52
36	$4.10	$4.10	FiberA36	Loopmaster	Input	X53
24	$3.50	$3.50	FiberA24	Loopmaster	Input	X54
18	$3.20	$3.20	FiberA18	Loopmaster	Input	X55
12	$2.90	$2.90	FiberA12	Loopmaster	Input	X56

Fill Factors

Cable

Distribution

0-5	*0.50*	*0.50*	Convergence	inputs	N5
5-200	*0.55*	*0.55*	Convergence	inputs	N6
200-650	*0.60*	*0.60*	Convergence	inputs	N7
650-850	*0.65*	*0.65*	Convergence	inputs	N8
850-2550	*0.70*	*0.70*	Convergence	inputs	N9
2550+	*0.75*	*0.75*	Convergence	inputs	N10

Transport Investment

Wire Center

Local Direct Routes

Terminal Investment

Number of Fibers		24	24	termfib	WireCenter	traffic and cost inputs	C200
FOT capacity, DS-3s		12	12	FOTcap	WireCenter	traffic and cost inputs	C201
FOT fill		0.8	0.8	FOTfill	WireCenter	traffic and cost inputs	C202
FOT, installed	$	43,000.00	$43,000.00	FOTinst	WireCenter	traffic and cost inputs	C203
Pigtails	$	60.00	$60.00	pigs	WireCenter	traffic and cost inputs	C204
Panel	$	1,000.00	$1,000.00	panel	WireCenter	traffic and cost inputs	C205
EF&I, per hour	$	55.00	$55.00	efi	WireCenter	traffic and cost inputs	C206
EF&I units		32	32	EFIU	WireCenter	traffic and cost inputs	D206
Medium Investment							
Fraction of structure assigned to telephon		0.33	0.33	telfrac	WireCenter	traffic and cost inputs	C210
Fraction of structure shared with feeder		0.25	0.25	feedfrac			
Regenerator spacing, mi.		40	40	regensp	WireCenter	traffic and cost inputs	C213
Regenerator investment, installed	$	15,000.00	$15,000.00	regeninv	WireCenter	traffic and cost inputs	C215
Fiber Cable investment per foot	$	2.00	$2.00	fibinv	WireCenter	traffic and cost inputs	C217
Placement	$	2.00	$2.00	fibplace	WireCenter	traffic and cost inputs	C218
Splice Spacing, ft.		20,000	20000	splicesp	WireCenter	traffic and cost inputs	C219
Splice Cost	$	15.00	$15.00	splice	WireCenter	traffic and cost inputs	C220
Trenching per foot	$	45.00	$45.00	trench	WireCenter	traffic and cost inputs	C221
Resurfacing per foot	$	10.00	$10.00	resurf	WireCenter	traffic and cost inputs	C222
Conduit per foot	$	4.00	$4.00	condit	WireCenter	traffic and cost inputs	C223
Number of tubes		2	2	tubes	WireCenter	traffic and cost inputs	C224
Manhole investment	$	5,000.00	$5,000.00	manhinv	WireCenter	traffic and cost inputs	C226
Manhole spacing		1,000	1000	manhsp	WireCenter	traffic and cost inputs	C227
Buried installation per foot	$	5.00	$5.00	burinst	WireCenter	traffic and cost inputs	C231
Pole investment		450	450	poleinv	WireCenter	traffic and cost inputs	C233
Pole spacing		150	150	polesp	WireCenter	traffic and cost inputs	C234
Underground percent		35.00%	35.00%	ugfrac			
Buried percent		50.00%	50.00%	burfrac			
Aerial percent		15.00%	15.00%	airfrac			

Transport Investment

Wire Center

intraLATA direct routes

Terminal Investment

Number of Fibers		24	24	termfib	WireCenter	traffic and cost inputs	C259

User Inputs

FOT capacity, DS-3s		12	12	FOTcap	WireCenter	traffic and cost inputs	C260
FOT fill		0.8	0.8	FOTfill	WireCenter	traffic and cost inputs	C261
FOT, installed	$	43,000.00	$43,000.00	FOTinst	WireCenter	traffic and cost inputs	C262
Pigtails	$	60.00	$60.00	pigs	WireCenter	traffic and cost inputs	C263
Panel	$	1,000.00	$1,000.00	panel	WireCenter	traffic and cost inputs	C264
EF&I, per hour	$	55.00	$55.00	efi	WireCenter	traffic and cost inputs	C265
EF&I units		32	32	EFIU	WireCenter	traffic and cost inputs	D265
Medium Investment							
Fraction of structure assigned to telephon		0.33	0.33	telfrac	WireCenter	traffic and cost inputs	C269
Fraction of structure shared with feeder		0.25	0.25	feedfrac			
Regenerator spacing, mi.		40	40	regensp	WireCenter	traffic and cost inputs	C272
Regenerator investment, installed	$	15,000.00	$15,000.00	regeninv	WireCenter	traffic and cost inputs	C274
Fiber Cable investment per foot	$	2.00	$2.00	fibinv	WireCenter	traffic and cost inputs	C276
Placement	$	2.00	$2.00	fibplace	WireCenter	traffic and cost inputs	C277
Splice Spacing, ft.		20,000	20000	splicesp	WireCenter	traffic and cost inputs	C278
Splice Cost	$	15.00	$15.00	splice	WireCenter	traffic and cost inputs	C279
Trenching per foot	$	45.00	$45.00	trench	WireCenter	traffic and cost inputs	C280
Resurfacing per foot	$	10.00	$10.00	resurf	WireCenter	traffic and cost inputs	C281
Conduit per foot	$	4.00	$4.00	condit	WireCenter	traffic and cost inputs	C282
Number of tubes		2	2	tubes	WireCenter	traffic and cost inputs	C283
Manhole investment	$	5,000.00	$5,000.00	manhinv	WireCenter	traffic and cost inputs	C287
Manhole spacing		1,000	1000	manhsp	WireCenter	traffic and cost inputs	C286
Buried installation per foot	$	5.00	$5.00	burinst	WireCenter	traffic and cost inputs	C290
Pole investment		450	450	poleinv	WireCenter	traffic and cost inputs	C292
Pole spacing		150	150	polesp	WireCenter	traffic and cost inputs	C293
Underground percent		35.00%	35.00%	ugfrac			
Buried percent		50.00%	50.00%	burfrac			
Aerial percent		15.00%	15.00%	airfrac			

Transport Investment Wire Center

Access Direct Routes

Terminal Investment							
Number of Fibers		24	24	termfib	WireCenter	traffic and cost inputs	C318
FOT capacity, DS-3s		12	12	FOTcap	WireCenter	traffic and cost inputs	C319
FOT fill		0.8	0.8	FOTfill	WireCenter	traffic and cost inputs	C320
FOT, installed	$	43,000.00	$43,000.00	FOTinst	WireCenter	traffic and cost inputs	C321
Pigtails	$	60.00	$60.00	pigs	WireCenter	traffic and cost inputs	C322
Panel	$	1,000.00	$1,000.00	panel	WireCenter	traffic and cost inputs	C323
EF&I, per hour	$	55.00	$55.00	efi	WireCenter	traffic and cost inputs	C324
EF&I units		32	32	EFIU	WireCenter	traffic and cost inputs	D324
Medium Investment							
Fraction of structure assigned to telephon		0.33	0.33	telfrac	WireCenter	traffic and cost inputs	C328
Fraction of structure shared with feeder		0.25	0.25	feedfrac			
Regenerator spacing, mi.		40	40	regensp	WireCenter	traffic and cost inputs	C331
Regenerator investment, installed	$	15,000.00	$15,000.00	regeninv	WireCenter	traffic and cost inputs	C333
Fiber Cable investment per foot	$	2.00	$2.00	fibinv	WireCenter	traffic and cost inputs	C335
Placement	$	2.00	$2.00	fibplace	WireCenter	traffic and cost inputs	C336
Splice Spacing, ft.		20,000	20000	splicesp	WireCenter	traffic and cost inputs	C337
Splice Cost	$	15.00	$15.00	splice	WireCenter	traffic and cost inputs	C338
Trenching per foot	$	45.00	$45.00	trench	WireCenter	traffic and cost inputs	C339
Resurfacing per foot	$	10.00	$10.00	resurf	WireCenter	traffic and cost inputs	C340
Conduit per foot	$	4.00	$4.00	condit	WireCenter	traffic and cost inputs	C341
Number of tubes		2	2	tubes	WireCenter	traffic and cost inputs	C342
Manhole investment	$	5,000.00	$5,000.00	manhinv	WireCenter	traffic and cost inputs	C346
Manhole spacing		1,000	1000	manhsp	WireCenter	traffic and cost inputs	C345
Buried installation per foot	$	5.00	$5.00	burinst	WireCenter	traffic and cost inputs	C349
Pole investment		450	450	poleinv	WireCenter	traffic and cost inputs	C351
Pole spacing		150	150	polesp	WireCenter	traffic and cost inputs	C352
Underground percent		35.00%	35.00%	ugfrac			
Buried percent		50.00%	50.00%	burfrac			
Aerial percent		15.00%	15.00%	airfrac			