Interoffice Transfer Model Inputs

Transport Inputs for Florida

Variable	Input	Description
Transport		
MaxNodes	6	Max # of nodes on a ring
ARFactor	1.9350	Air to Route Factor
LTFactor	6	Access line to DS0 trunk factor for host/remote links
TTFactor	10	Access line to DS0 turnk factor for host/tandem trunks
SPFactor	14.70%	% special access circuits to # of exch. access lines
RepeaterDist	40	Maximum repeater spacing (miles)
MOUperDS1	216,000	MOU per DS1
RDSwitch	N	Does a 2-pt (folded) ring use separate routing for 2 sides
EASPct	58.77%	Percent interoffice MOUs that are EAS
CLLIMatch	7	Used to identify "like" tandems
Fiber		
MEAerialFiber	75.0%	Mileage Equipment Aerial Fiber (per fiber mile)
MEUnderground Fiber	75.0%	Mileage Equipment UG Fiber (per fiber mile)
MEBuriedFiber	75.0%	Mileage Equipment Buried Fiber (per fiber mile)
FiberPoleFactor	11.5%	Fiber Pole Factor
FiberConduitFactor	28.0%	Fiber Conduit Factor
PowerAndEquipmentFactor	5.79%	Misc. Equipment & Power Factor
SheathSharingFactor	52.0%	Sheath Sharing Factor
TwoPointSheathSharingFactor	50.0%	Two Point Ring Sheath Sharing Factor
FiberMixAerial	0.0%	Fiber Mix - Aerial %
FiberMixUnderground	28.0%	Fiber Mix - UG %
FiberMixBuried	72.0%	Fiber Mix - Buried %

Florida: USF
Interoffice Transport Model Inputs

Ring Size Table

A	B	C	D	E	F	G	H
Toggle	DS0/DS1	DS1/DS3	#DS3s	Planning Threshold	Trigger (DS1)	Size	DS0 Cap
1	24	28	3	0.66	0	OC3	2,016
1	24	28	12	0.85	56	OC12	8,064
1	24	28	24	0.85	286	OC12x2	16,128
1	24	28	48	0.85	572	OC48	32,256
1	24	28	96	0.85	1,143	OC48x2	64,512
1	24	28	144	0.85	2,285	OC48x3	96,768
1	24	28	192	0.85	3,428	OC48x4	129,024
1	24	28	240	0.85	4,570	OC48x5	161,280
1	24	28	288	0.85	5,712	OC48x6	193,536
1	24	28	336	0.85	6,855	OC48x7	225,792
1	24	28	384	0.85	7,997	OC48x8	258,048
1	24	28	432	0.85	9,140	OC48x9	290,304
1	24	28	480	0.85	10,282	OC48x10	322,560

Inputs: Col. A toggles each Size option (col.G) off ("0") of on ("1")
Col F determines the Size facility to model

Cols. B,C,D do not change
Cols F & H are calculations

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Miscellaneous Inputs

BCPM Miscellaneous Inputs

iscellaneous Inputs

Variable	Value	Desciption
		Cable & Wire Inputs
PairsPerHousingUnit	2	Distribution pairs per residential housing unit
PairsPerBusinessLocation	6	Minimum number of pairs per business location
MaxSizeFDI	4200	Maximum Size Feeder Distribution Interface Cabinet (Cross Connect)
MaxFiberSize	288	Maximum Fiber Cable Size
MaxFeederSize	4,200	Maximum Copper Feeder Cable Size
MaxDistSize	3600	Maximum Copper Distribution Cable Size
CprMaxDistr	12,000	Maximum length of copper cable in the CBG distribution area
FiberCableDiscount	0.00%	Fiber Cable Discount %
CopperCableDiscount	0.00%	Copper Cable Discount %
InvLoopCap	$ 10,000	Loop Investment Cap Expense
BreakPoint	12,000	Cable Break Point
		Terrain Inputs and Surface Impacts
CriticalWaterDepth	3	Depth in feet at which water impacts placement costs
WaterFactor	30.00%	% Cost increase for presence of water within critical depth
NewTerrainTrigger	5	Value that triggers new terrain variable multiplier
NewTerrainFactor	1	Cost multiplier when new terrain variable exceeds trigger point
MinSlopeTrigger	12	Point at which minimum slope effects placement distance
MinSlopeFactor	1.10	Change in distance due to increased average slope
MaxSlopeTrigger	30	Point where presence of very high slope causes yet more cable distance
MaxSlopeFactor	1.05	Change in distance due to a maximum only slope presence
CombSlopeFactor	1.20	Secondary change in distance due to substantial slope presence
		Census Data Inputs - State Specific
BusinessPrem	10	Average Number of Business lines per location
		Trench Depth
NormalUGBuriedCover	24.00	Minimum Cover Depth in inches for Buried/Underground Copper Cable
NormalFiberCover	36.00	Minimum Cover Depth in inches for Buried/Underground Fiber

BCPM Miscellaneous Inputs

Digital Electronics		
OpticsCost	$ 75,000.00	Material & Installation for Fiber Optics Terminal at CO and Customer Loc
CopperT1	$ 2,500.00	Average Cost per DS-1 on copper (both terminals & repeater)
FbrTermFrame	$ -	Material & Installation for Fiber Termination Framel at CO
D4Bank	$ -	Material & Installation for D4 type equipment.
ElectronicFill	85.00%	Fill Factors for Electronics
HiCapFill	95.00%	Fill Factors for High Capacity Optic Multiplexers
SmallDLCDiscount	0.00%	Small DLC Electronics Discount %
LargeDLCDiscount	0.00%	Large DLC Electronics Discount %
MaxCOTDLCL	2016	Maximum Central Office Terminal DLC-L Size
MaxCOTDLCS	672	Maximum Central Office Terminal DLC-S Size
COTDLCLPerLine	$ -	Central Office Terminal DLC-L Per line Investment
COTDLCSPerLine	$ 76.40	Central Office Terminal DLC-S Per line Investment
Financial Data		
ReturnOnEquity	13.1%	Return On Equity
DebtRate	7.8%	Debt Rate
DebtRatio	32.8%	Debt Ratio
Tax Data		
FederalTaxRate	35.0%	Federal Tax Rate
StateTaxRate	5.3%	State Tax Rate
AdValoremInsurance	0.0%	Ad Valorem, Insurance, etc.
OtherTaxRate	0.7%	Other Tax Rate
Tax Depreciation		
BookSurvivalCurves	CG&S	Use Survival Curves
BookConvention	Mid Year	Convention
BookELG_VG	ELG	ELG / VG
BookWL_RL	Remaining Life	WL / RL
Calculated Results		
DLC-SDiscount	100.00%	DLC Small - Pricing ratio after Discount
DLC-LDiscount	100.00%	DLC Large - Pricing ratio after Discount
FiberCostRatio	100.00%	Fiber cable cost ratio after discount
CopperCostRatio	100.00%	Copper Cable Cost ratio after discount
CopperGauge	26	Gauge of copper cable
Version 3 Input Change: Extended Range Line Card Inputs		
COTDLCLPerLineExRange	$ 15.58	Central Office Terminal DLC-L Per line Investment for Extended Range Line Cards
COTDLCSPerLineExRange	$ 18.54	Central Office Terminal DLC-S Per line Investment for Extended Range Line Cards
RTDLCLPerLineExRange	$ 187.50	Remote Terminal DLC-L Per line Investment for Extended Range Line Cards
RTDLCSPerLineExRange	$ 125.00	Remote Terminal DLC-S Per line Investment for Extended Range Line Cards
BreakPointExRange	13,600	Breakpoint (in feet) when Extended Range line cards are Required in DLC

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Expense Inputs

SPRINT FLORIDA BCPM INPUT
FROM 1997 ARMIS DATA

DEVLOPMENT OF BCPM EXPENSE RATIOS

ACCOUNT	DESCRIPTION	TOTAL REG 43-03	BCPM INPUT: EXPENSE RATIO
	EXPENSE DATA		
6110	Network Support Expense	955,000	**0.015167**
6120	General Support Expense	59,225,000	0.247815
6210	COE (Digital) Switching	38,829,000	**0.050032**
6230	COE Transmission Expense	17,383,000	**0.029630**
6310	Information Orig/Term Expense	9,124,000	0.305385
6411	Poles Expense (Excl. Rent)	273,705	**0.016554**
6421.1	Aerial Copper Cable Expense	7,991,611	**0.086267**
6421.2	Aerial Fiber Cable Expense	18,389	**0.015931**
6422.1	Underground Copper Cable Exp	2,550,258	**0.021029**
6422.2	Underground Fiber Cable Exp	97,742	**0.004657**
6423.1	Buried Copper Cable Exp	65,787,733	**0.051754**
6423.2	Buried Fiber Cable Exp	578,267	**0.005884**
6441	Conduit System Expense	273,000	**0.003113**
	Total CWF Expense	77,570,705	
6510	Other Property & Plant Exp	22,734	
6530	Network Operations	80,721,000	
6610	Marketing Expense	29,894,000	
6620	Services Expense	103,892,000	
6710	Executive and Planning Exp	5,738,000	
6720	General & Administrative Exp	88,927,000	
	INVESTMENT DATA		
2110	Network Support Investment	62,966,000	
2120	General Support Investment	238,989,000	
2210	COE Digital Switching Invest.	776,082,000	
2230	COE Transmission Investment	586,668,000	
2310	Information Orig/Term Investment	29,877,000	
2411	Poles Investment	16,534,000	
2421.1	Aerial Copper Cable Investment	92,637,701	
2421.2	Aerial Fiber Cable Investment	1,154,299	
2422.1	Underground Copper Cable Inv	121,276,139	
2422.2	Underground Fiber Cable Inv	20,989,861	
2423.1	Buried Copper Cable Inv	1,271,164,651	
2423.2	Buried Fiber Cable Inv	98,278,349	
2441	Conduit System Investment	87,686,000	

RLH 5/18/98

Sprint-Florida Inc.

Universal Service Fund

Capital Cost Inputs

BCPM Capital Costs Inputs

Capital Cost Inputs

Account	Economic Life (years)	Tax Life (years)	Future Net Salvage (percent)	Survival Curve	Gompertz C	Gompertz G	Gompertz S
Land	0	0	0%	Square Life	0.00000000	0.00000000	0.00000000
Motor Vehicle	8	3	11%	CG&S	1.36885980	-0.01372330	0.00357234
Special Purpose Vehicles	10	3	22%	CG&S	1.39000000	-0.03578191	0.02459161
Garage Work	12	5	3%	CG&S	1.02766470	-5.71031270	0.14552408
Other Work	14	5	1%	CG&S	1.02766470	-5.71031270	0.14552408
Building	42.5	31.5	3%	CG&S	1.18428730	-0.10144970	0.01557655
Furniture	16	5	3%	CG&S	1.18428730	-0.10144970	0.01557655
Office Support	11	5	2%	CG&S	1.02010290	-8.97443950	0.16316108
General Purpose Computers	5.5	5	3%	CG&S	1.02766470	-5.71031270	0.14552408
Switching	10	5	2%	CG&S	1.71629560	-0.00114623	0.00038173
Circuit/DLC	8.5	5	-1%	CG&S	1.36885980	-0.01372330	0.00357234
Pole	30	15	-89%	CG&S	1.10249400	-0.33410041	0.02401188
Aerial Copper	12.5	15	-18%	CG&S	1.71629560	-0.00114623	0.00038173
Aerial Fiber	19	15	-22%	CG&S	1.36885980	-0.01372330	0.00357234
Underground Copper	11.5	15	-8%	CG&S	1.71629560	-0.00114623	0.00038173
Underground Fiber	19	15	-17%	CG&S	1.36885980	-0.01372330	0.00357234
Buried Copper	14	15	-6%	CG&S	1.71629560	-0.00114623	0.00038173
Buried Fiber	19	15	-12%	CG&S	1.36885980	-0.01372330	0.00357234
Conduit	50	15	-5%	CG&S	1.36885980	-0.01372330	0.00357234