- **Total Business Lines**: Count of Business Lines in the Census Block Group. This number is taken directly from the data of the BCM model, in spreadsheets provided by John Banks of Sprint.

- **Area Sq Miles**: Area of the Census Block Group, in square miles with 6 fractional digits. Normally, this is the area of the Census Block Group as determined from boundaries extracted from the US Census Bureau's TIGER files. However, certain low density CBGs are subject to a specific reduction in stated area, based on the road network. For each CBG to which this adjustment should apply, the area is taken instead from a set of files provided by Peter Copeland of US West.

- **Depth To Bedrock (Inches)**: Average minimum depth to bedrock for the Census Block Group, expressed in inches with up to 2 fractional digits.

- **Rock Hardness**: Predominant rock hardness for the Census Block Group ... HARD or SOFT, or blank to indicate neither.

- **Surface Soil Texture**: Predominant surface soil texture in the Census Block Group, an abbreviation of up to 7 characters.

- **Water Table Depth (Feet)**: Average minimum water table depth for the Census Block Group, expressed in feet with up to 2 fractional digits.

- **Minimum Soil Slope**: Average minimum soil slope for the Census Block Group, expressed with 2 fractional digits.

- **Maximum Soil Slope**: Average maximum soil slope for the Census Block Group, expressed with 2 fractional digits

- **New Terrain Variable**: This field is (and will be) empty in the data as delivered ... Note that the last character of each of these records will be a comma, indicating that a field is logically present but actually missing at the end

APPENDIX B

Density Group 0-10	Underground														
	Normal					Soft Rock					Hard Rock				
	Install	Feeder		Distribution		Install	Feeder		Distribution		Install	Feeder		Distribution	
Conduit Installation	Cost per Unit	% Activity	% Assigned Telephone	% Activity	% Assigned Telephone	Cost per Unit	% Activity	% Assigned Telephone	% Activity	% Assigned Telephone	Cost per Unit	% Activity	% Assigned Telephone	% Activity	% Assigned Telephone
Trench & Backfill	$ 2.27	67.00%	100.00%	79.00%	100.00%	$ 2.34	5.00%	100.00%	8.00%	100.00%	304.00%	0.00%	100.00%	0.00%	100.00%
Rocky Trench	$ 4.22	0.00%	100.00%	0.00%	100.00%	$ 4.32	25.00%	100.00%	42.00%	100.00%	533.00%	51.00%	100.00%	46.00%	100.00%
Backhoe Trench	$ 2.70	17.00%	100.00%	5.00%	100.00%	$ 2.81	48.00%	100.00%	28.00%	100.00%	395.00%	30.00%	100.00%	35.00%	100.00%
Hand Dig Trench	$ 4.99	2.00%	100.00%	2.00%	100.00%	$ 5.15	5.00%	100.00%	5.00%	100.00%	684.00%	5.00%	100.00%	5.00%	100.00%
Boring	$ 11.80	2.00%	100.00%	2.00%	100.00%	$ 12.05	5.00%	100.00%	5.00%	100.00%	1447.00%	2.00%	100.00%	2.00%	100.00%
Cut & Restore Asphalt	$ 8.72	5.00%	100.00%	5.00%	100.00%	$ 10.84	5.00%	100.00%	5.00%	100.00%	1206.00%	5.00%	100.00%	5.00%	100.00%
Cut & Restore Concrete	$ 9.63	5.00%	100.00%	5.00%	100.00%	$ 11.70	5.00%	100.00%	5.00%	100.00%	1286.00%	5.00%	100.00%	5.00%	100.00%
Cut & Restore Sod	$ 3.75	2.00%	100.00%	2.00%	100.00%	$ 4.54	2.00%	100.00%	2.00%	100.00%	565.00%	2.00%	100.00%	2.00%	100.00%

Density Group 0-10	Buried Normal					Buried Soft Rock					Buried Hard Rock				
	Install	Feeder		Distribution		Install	Feeder		Distribution		Install	Feeder		Distribution	
Buried Cable Installation	Cost	% of Activity	% Assigned Telephone	% of Activity	% Assigned Telephone	Cost	% of Activity	% Assigned Telephone	% of Activity	% Assigned Telephone	Cost	% of Activity	% Assigned Telephone	% of Activity	% Assigned Telephone
Plow	$ 1.14	88.00%	100.00%	78.00%	100.00%	$ 1.15	40.00%	100.00%	43.00%	100.00%	$ 1.29	0.00%	100.00%	0.00%	100.00%
Rocky Plow	$ 1.37	0.00%	100.00%	0.00%	100.00%	$ 1.39	30.00%	100.00%	25.00%	100.00%	$ 1.62	51.00%	100.00%	44.00%	100.00%
Trench & Backfill	$ 2.27	0.00%	100.00%	10.00%	100.00%	$ 2.34	5.00%	100.00%	5.00%	100.00%	$ 3.04	5.00%	100.00%	5.00%	100.00%
Rocky Trench	$ 4.22	0.00%	100.00%	0.00%	100.00%	$ 4.32	5.00%	100.00%	4.00%	100.00%	$ 5.33	25.00%	100.00%	34.00%	100.00%
Backhoe Trench	$ 2.70	0.00%	100.00%	0.00%	100.00%	$ 2.81	2.00%	100.00%	2.00%	100.00%	$ 3.95	4.00%	100.00%	2.00%	100.00%
Hand Dig Trench	$ 4.99	0.00%	100.00%	0.00%	100.00%	$ 5.15	3.00%	100.00%	3.00%	100.00%	$ 6.89	1.00%	100.00%	1.00%	100.00%
Bore Cable	$ 11.80	0.00%	100.00%	0.00%	100.00%	$ 12.05	1.00%	100.00%	1.00%	100.00%	$ 14.47	1.00%	100.00%	1.00%	100.00%
Push Pipe & Pull Cable	$ 6.80	0.00%	100.00%	0.00%	100.00%	$ 7.00	2.00%	100.00%	5.00%	100.00%	$ 8.96	1.00%	100.00%	1.00%	100.00%
Cut & Restore Asphalt	$ 8.72	5.00%	100.00%	5.00%	100.00%	$ 10.84	5.00%	100.00%	5.00%	100.00%	$ 12.06	5.00%	100.00%	5.00%	100.00%
Cut & Restore Concrete	$ 9.63	5.00%	100.00%	5.00%	100.00%	$ 11.74	5.00%	100.00%	5.00%	100.00%	$ 12.86	5.00%	100.00%	5.00%	100.00%
Cut & Restore Sod	$ 3.75	2.00%	100.00%	2.00%	100.00%	$ 4.54	2.00%	100.00%	2.00%	100.00%	$ 5.65	2.00%	100.00%	2.00%	100.00%

Density Group 0-10		Aerial Normal				Aerial Soft Rock				Aerial Hard Rock			
		Feeder		Distribution		Feeder		Distribution		Feeder		Distribution	
Aerial Cable Installation	Cost	Installation Cost per Unit	% Assigned Telephone	Installation Cost per Unit	% Assigned Telephone	Installation Cost per Unit	% Assigned Telephone	Installation Cost per Unit	% Assigned Telephone	Installation Cost per Unit	% Assigned Telephone	Installation Cost per Unit	% Assigned Telephone
Poles	$ 368.17	$ 358.58	67.00%	$ 358.58	67.00%	$ 458.58	67.00%	$ 458.58	67.00%	$ 558.58	67.00%	$ 558.58	67.00%
Anchors and Guys	$ 68.00	$ 255.00	100.00%	$ 255.00	100.00%	$ 285.00	100.00%	$ 285.00	100.00%	$ 310.00	100.00%	$ 310.00	100.00%

Density Group 11-50	Underground														
	Normal					Soft Rock					Hard Rock				
	Install	Feeder		Distribution		Install	Feeder		Distribution		Install	Feeder		Distribution	
Conduit Installation	Cost per Unit	% Activity	% Assigned Telephone	% Activity	% Assigned Telephone	Cost per Unit	% Activity	% Assigned Telephone	% Activity	% Assigned Telephone	Cost per Unit	% Activity	% Assigned Telephone	% Activity	% Assigned Telephone
Trench & Backfill	$ 2.38	55.00%	100.00%	65.00%	99.00%	$ 2.46	5.00%	100.00%	8.00%	99.00%	328.00%	0.00%	100.00%	0.00%	99.00%
Rocky Trench	$ 4.37	0.00%	100.00%	0.00%	99.00%	$ 4.49	34.00%	100.00%	48.00%	99.00%	567.00%	52.00%	100.00%	47.00%	99.00%
Backhoe Trench	$ 2.87	26.00%	100.00%	19.00%	99.00%	$ 3.00	42.00%	100.00%	24.00%	99.00%	432.00%	29.00%	100.00%	34.00%	99.00%
Hand Dig Trench	$ 5.24	4.00%	100.00%	2.00%	99.00%	$ 5.43	4.00%	100.00%	5.00%	99.00%	740.00%	4.00%	100.00%	5.00%	99.00%
Boring	$ 12.17	3.00%	100.00%	2.00%	99.00%	$ 12.45	3.00%	100.00%	3.00%	99.00%	1528.00%	3.00%	100.00%	2.00%	99.00%
Cut & Restore Asphalt	$ 8.90	5.00%	100.00%	5.00%	99.00%	$ 11.05	5.00%	100.00%	5.00%	99.00%	1247.00%	5.00%	100.00%	5.00%	99.00%
Cut & Restore Concrete	$ 9.79	5.00%	100.00%	5.00%	99.00%	$ 11.92	5.00%	100.00%	5.00%	99.00%	1323.00%	5.00%	100.00%	5.00%	99.00%
Cut & Restore Sod	$ 3.92	2.00%	100.00%	2.00%	99.00%	$ 4.73	2.00%	100.00%	2.00%	99.00%	603.00%	2.00%	100.00%	2.00%	99.00%

Density Group 11-50	Buried Normal					Buried Soft Rock					Buried Hard Rock				
	Install	Feeder		Distribution		Install	Feeder		Distribution		Install	Feeder		Distribution	
Buried Cable Installation	Cost	% of Activity	% Assigned Telephone	% of Activity	% Assigned Telephone	Cost	% of Activity	% Assigned Telephone	% of Activity	% Assigned Telephone	Cost	% of Activity	% Assigned Telephone	% of Activity	% Assigned Telephone
Plow	$ 1.16	72.00%	100.00%	74.00%	100.00%	$ 1.17	32.00%	100.00%	43.00%	100.00%	$ 1.66	0.00%	100.00%	0.00%	100.00%
Rocky Plow	$ 1.40	0.00%	100.00%	0.00%	100.00%	$ 1.43	25.00%	100.00%	25.00%	100.00%	$ 1.70	45.00%	100.00%	44.00%	100.00%
Trench & Backfill	$ 2.38	10.00%	100.00%	11.00%	99.00%	$ 2.46	10.00%	100.00%	10.00%	99.00%	$ 3.28	10.00%	100.00%	10.00%	99.00%
Rocky Trench	$ 4.37	0.00%	100.00%	0.00%	99.00%	$ 4.49	5.00%	100.00%	4.00%	99.00%	$ 5.67	28.00%	100.00%	26.00%	99.00%
Backhoe Trench	$ 2.87	5.00%	100.00%	3.00%	99.00%	$ 3.00	12.00%	100.00%	2.00%	99.00%	$ 4.32	2.00%	100.00%	5.00%	99.00%
Hand Dig Trench	$ 5.24	1.00%	100.00%	0.00%	99.00%	$ 5.43	3.00%	100.00%	3.00%	99.00%	$ 7.40	1.00%	100.00%	1.00%	99.00%
Bore Cable	$ 12.17	0.00%	100.00%	0.00%	99.00%	$ 12.45	1.00%	100.00%	1.00%	99.00%	$ 15.28	1.00%	100.00%	1.00%	99.00%
Push Pipe & Pull Cable	$ 7.10	0.00%	100.00%	0.00%	99.00%	$ 7.33	0.00%	100.00%	0.00%	99.00%	$ 9.61	1.00%	100.00%	1.00%	99.00%
Cut & Restore Asphalt	$ 8.90	5.00%	100.00%	5.00%	99.00%	$ 11.05	5.00%	100.00%	5.00%	99.00%	$ 12.47	5.00%	100.00%	5.00%	99.00%
Cut & Restore Concrete	$ 9.79	5.00%	100.00%	5.00%	99.00%	$ 11.92	5.00%	100.00%	5.00%	99.00%	$ 13.23	5.00%	100.00%	5.00%	99.00%
Cut & Restore Sod	$ 3.92	2.00%	100.00%	2.00%	99.00%	$ 4.73	2.00%	100.00%	2.00%	99.00%	$ 6.03	2.00%	100.00%	2.00%	99.00%

Density Group 11-50		Aerial Normal				Aerial Soft Rock				Aerial Hard Rock			
		Feeder		Distribution		Feeder		Distribution		Feeder		Distribution	
Aerial Cable Installation	Cost	Installation Cost per Unit	% Assigned Telephone	Installation Cost per Unit	% Assigned Telephone	Installation Cost per Unit	% Assigned Telephone	Installation Cost per Unit	% Assigned Telephone	Installation Cost per Unit	% Assigned Telephone	Installation Cost per Unit	% Assigned Telephone
Poles	$ 368.17	$ 358.58	67.00%	$ 358.58	67.00%	$ 458.58	67.00%	$ 458.58	67.00%	$ 558.58	67.00%	$ 558.58	67.00%
Anchors and Guys	$ 68.00	$ 255.00	100.00%	$ 255.00	100.00%	$ 285.00	100.00%	$ 285.00	100.00%	$ 310.00	100.00%	$ 310.00	100.00%

Density Group 51-150	Underground														
	Normal					Soft Rock					Hard Rock				
	Install	Feeder		Distribution		Install	Feeder		Distribution		Install	Feeder		Distribution	
Conduit Installation	Cost per Unit	% Activity	% Assigned Telephone	% Activity	% Assigned Telephone	Cost per Unit	% Activity	% Assigned Telephone	% Activity	% Assigned Telephone	Cost per Unit	% Activity	% Assigned Telephone	% Activity	% Assigned Telephone
Trench & Backfill	$ 2.48	46.00%	100.00%	60.00%	90.00%	$ 2.58	5.00%	100.00%	8.00%	90.00%	351.00%	0.00%	100.00%	0.00%	90.00%
Rocky Trench	$ 4.52	0.00%	100.00%	0.00%	90.00%	$ 4.66	35.00%	100.00%	48.00%	90.00%	600.00%	53.00%	100.00%	47.00%	90.00%
Backhoe Trench	$ 3.04	30.00%	100.00%	18.00%	90.00%	$ 3.19	38.00%	100.00%	21.00%	90.00%	470.00%	25.00%	100.00%	31.00%	90.00%
Hand Dig Trench	$ 5.49	5.00%	100.00%	5.00%	90.00%	$ 5.72	4.00%	100.00%	5.00%	90.00%	796.00%	4.00%	100.00%	5.00%	90.00%
Boring	$ 12.53	4.00%	100.00%	2.00%	90.00%	$ 12.86	3.00%	100.00%	3.00%	90.00%	1609.00%	3.00%	100.00%	2.00%	90.00%
Cut & Restore Asphalt	$ 9.09	5.00%	100.00%	5.00%	90.00%	$ 11.25	5.00%	100.00%	5.00%	90.00%	1288.00%	5.00%	100.00%	5.00%	90.00%
Cut & Restore Concrete	$ 9.96	4.00%	100.00%	4.00%	90.00%	$ 12.11	4.00%	100.00%	4.00%	90.00%	1360.00%	4.00%	100.00%	4.00%	90.00%
Cut & Restore Sod	$ 4.08	6.00%	100.00%	6.00%	90.00%	$ 4.92	6.00%	100.00%	6.00%	90.00%	640.00%	6.00%	100.00%	6.00%	90.00%

Density Group 51-150	Buried Normal					Buried Soft Rock					Buried Hard Rock				
	Install	Feeder		Distribution		Install	Feeder		Distribution		Install	Feeder		Distribution	
Buried Cable Installation	Cost	% of Activity	% Assigned Telephone	% of Activity	% Assigned Telephone	Cost	% of Activity	% Assigned Telephone	% of Activity	% Assigned Telephone	Cost	% of Activity	% Assigned Telephone	% of Activity	% Assigned Telephone
Plow	$ 1.18	60.00%	100.00%	69.00%	100.00%	$ 1.20	20.00%	100.00%	29.00%	100.00%	$ 1.38	0.00%	100.00%	0.00%	100.00%
Rocky Plow	$ 1.44	0.00%	100.00%	0.00%	100.00%	$ 1.47	30.00%	100.00%	30.00%	100.00%	$ 1.77	45.00%	100.00%	40.00%	100.00%
Trench & Backfill	$ 2.48	10.00%	100.00%	11.00%	90.00%	$ 2.58	10.00%	100.00%	12.00%	90.00%	$ 3.51	3.00%	100.00%	7.00%	90.00%
Rocky Trench	$ 4.52	0.00%	100.00%	0.00%	90.00%	$ 4.66	8.00%	100.00%	8.00%	90.00%	$ 6.00	28.00%	100.00%	32.00%	90.00%
Backhoe Trench	$ 3.04	6.00%	100.00%	3.00%	90.00%	$ 3.19	10.00%	100.00%	2.00%	90.00%	$ 4.70	2.00%	100.00%	2.00%	90.00%
Hand Dig Trench	$ 5.49	5.00%	100.00%	0.00%	90.00%	$ 5.72	5.00%	100.00%	2.00%	90.00%	$ 7.96	5.00%	100.00%	2.00%	90.00%
Bore Cable	$ 12.53	3.00%	100.00%	1.00%	90.00%	$ 12.86	1.00%	100.00%	1.00%	90.00%	$ 16.09	1.00%	100.00%	1.00%	90.00%
Push Pipe & Pull Cable	$ 7.39	1.00%	100.00%	1.00%	90.00%	$ 7.65	1.00%	100.00%	1.00%	90.00%	$ 10.27	1.00%	100.00%	1.00%	90.00%
Cut & Restore Asphalt	$ 9.09	5.00%	100.00%	5.00%	90.00%	$ 11.25	5.00%	100.00%	5.00%	90.00%	$ 12.88	5.00%	100.00%	5.00%	90.00%
Cut & Restore Concrete	$ 9.96	4.00%	100.00%	4.00%	90.00%	$ 12.11	4.00%	100.00%	4.00%	90.00%	$ 13.60	4.00%	100.00%	4.00%	90.00%
Cut & Restore Sod	$ 4.08	6.00%	100.00%	6.00%	90.00%	$ 4.92	6.00%	100.00%	6.00%	90.00%	$ 6.40	6.00%	100.00%	6.00%	90.00%

Density Group 51-150		Aerial Normal				Aerial Soft Rock				Aerial Hard Rock			
		Feeder		Distribution		Feeder		Distribution		Feeder		Distribution	
Aerial Cable Installation	Cost	Installation Cost per Unit	% Assigned Telephone	Installation Cost per Unit	% Assigned Telephone	Installation Cost per Unit	% Assigned Telephone	Installation Cost per Unit	% Assigned Telephone	Installation Cost per Unit	% Assigned Telephone	Installation Cost per Unit	% Assigned Telephone
Poles	$ 368.17	$ 358.58	67.00%	$ 358.58	67.00%	$ 458.58	67.00%	$ 458.58	67.00%	$ 558.58	67.00%	$ 558.58	67.00%
Anchors and Guys	$ 68.00	$ 255.00	100.00%	$ 255.00	100.00%	$ 285.00	100.00%	$ 285.00	100.00%	$ 310.00	100.00%	$ 310.00	100.00%

Density Group 151-500	Underground														
	Normal					Soft Rock					Hard Rock				
	Install	Feeder		Distribution		Install	Feeder		Distribution		Install	Feeder		Distribution	
Conduit Installation	Cost per Unit	% Activity	% Assigned Telephone	% Activity	% Assigned Telephone	Cost per Unit	% Activity	% Assigned Telephone	% Activity	% Assigned Telephone	Cost per Unit	% Activity	% Assigned Telephone	% Activity	% Assigned Telephone
Trench & Backfill	$ 2.59	35.00%	98.00%	45.00%	80.00%	$ 2.69	15.00%	98.00%	15.00%	80.00%	374.00%	0.00%	98.00%	0.00%	80.00%
Rocky Trench	$ 4.67	0.00%	98.00%	0.00%	80.00%	$ 4.83	33.00%	98.00%	32.00%	80.00%	634.00%	50.00%	98.00%	50.00%	80.00%
Backhoe Trench	$ 3.21	33.00%	98.00%	23.00%	80.00%	$ 3.38	20.00%	98.00%	21.00%	80.00%	508.00%	18.00%	98.00%	18.00%	80.00%
Hand Dig Trench	$ 5.74	3.00%	98.00%	3.00%	80.00%	$ 6.00	3.00%	98.00%	3.00%	80.00%	852.00%	3.00%	98.00%	3.00%	80.00%
Boring	$ 12.90	4.00%	98.00%	4.00%	80.00%	$ 13.26	4.00%	98.00%	4.00%	80.00%	1690.00%	4.00%	98.00%	4.00%	80.00%
Cut & Restore Asphalt	$ 9.27	8.00%	98.00%	8.00%	80.00%	$ 11.45	8.00%	98.00%	8.00%	80.00%	1328.00%	8.00%	98.00%	8.00%	80.00%
Cut & Restore Concrete	$ 10.13	7.00%	98.00%	7.00%	80.00%	$ 12.30	7.00%	98.00%	7.00%	80.00%	1397.00%	7.00%	98.00%	7.00%	80.00%
Cut & Restore Sod	$ 4.25	10.00%	98.00%	10.00%	80.00%	$ 5.09	10.00%	98.00%	10.00%	80.00%	676.00%	10.00%	98.00%	10.00%	80.00%

Density Group 151-500	Buried Normal					Buried Soft Rock					Buried Hard Rock				
	Install	Feeder		Distribution		Install	Feeder		Distribution		Install	Feeder		Distribution	
Buried Cable Installation	Cost	% of Activity	% Assigned Telephone	% of Activity	% Assigned Telephone	Cost	% of Activity	% Assigned Telephone	% of Activity	% Assigned Telephone	Cost	% of Activity	% Assigned Telephone	% of Activity	% Assigned Telephone
Plow	$ 1.20	33.00%	100.00%	21.00%	100.00%	$ 1.22	5.00%	100.00%	3.00%	100.00%	$ 1.43	0.00%	100.00%	0.00%	100.00%
Rocky Plow	$ 1.47	0.00%	100.00%	0.00%	100.00%	$ 1.51	13.00%	100.00%	12.00%	100.00%	$ 1.85	13.00%	100.00%	13.00%	100.00%
Trench & Backfill	$ 2.59	20.00%	98.00%	30.00%	80.00%	$ 2.69	5.00%	98.00%	5.00%	80.00%	$ 3.74	0.00%	98.00%	8.00%	80.00%
Rocky Trench	$ 4.67	0.00%	98.00%	0.00%	80.00%	$ 4.83	25.00%	98.00%	27.00%	80.00%	$ 6.34	40.00%	98.00%	30.00%	80.00%
Backhoe Trench	$ 3.21	10.00%	98.00%	12.00%	80.00%	$ 3.38	15.00%	98.00%	16.00%	80.00%	$ 5.08	10.00%	98.00%	12.00%	80.00%
Hand Dig Trench	$ 5.74	3.00%	98.00%	3.00%	80.00%	$ 6.00	3.00%	98.00%	3.00%	80.00%	$ 8.52	3.00%	98.00%	3.00%	80.00%
Bore Cable	$ 12.90	4.00%	98.00%	4.00%	80.00%	$ 13.26	4.00%	98.00%	4.00%	80.00%	$ 16.90	4.00%	98.00%	4.00%	80.00%
Push Pipe & Pull Cable	$ 7.69	5.00%	98.00%	5.00%	80.00%	$ 7.98	5.00%	98.00%	5.00%	80.00%	$ 10.92	5.00%	98.00%	5.00%	80.00%
Cut & Restore Asphalt	$ 9.27	8.00%	98.00%	8.00%	80.00%	$ 11.45	8.00%	98.00%	8.00%	80.00%	$ 13.28	8.00%	98.00%	8.00%	80.00%
Cut & Restore Concrete	$ 10.13	7.00%	98.00%	7.00%	80.00%	$ 12.30	7.00%	98.00%	7.00%	80.00%	$ 13.97	7.00%	98.00%	7.00%	80.00%
Cut & Restore Sod	$ 4.25	10.00%	98.00%	10.00%	80.00%	$ 5.09	10.00%	98.00%	10.00%	80.00%	$ 6.76	10.00%	98.00%	10.00%	80.00%

Density Group 151-500		Aerial Normal				Aerial Soft Rock				Aerial Hard Rock			
		Feeder		Distribution		Feeder		Distribution		Feeder		Distribution	
Aerial Cable Installation	Cost	Installation Cost per Unit	% Assigned Telephone	Installation Cost per Unit	% Assigned Telephone	Installation Cost per Unit	% Assigned Telephone	Installation Cost per Unit	% Assigned Telephone	Installation Cost per Unit	% Assigned Telephone	Installation Cost per Unit	% Assigned Telephone
Poles	$ 368.17	$ 358.58	67.00%	$ 358.58	67.00%	$ 458.58	67.00%	$ 458.58	67.00%	$ 558.58	67.00%	$ 558.58	67.00%
Anchors and Guys	$ 68.00	$ 255.00	100.00%	$ 255.00	100.00%	$ 285.00	100.00%	$ 285.00	100.00%	$ 310.00	100.00%	$ 310.00	100.00%

Density Group 501-2000	Underground														
	Normal					Soft Rock					Hard Rock				
	Install	Feeder		Distribution		Install	Feeder		Distribution		Install	Feeder		Distribution	
Conduit Installation	Cost per Unit	% Activity	% Assigned Telephone	% Activity	% Assigned Telephone	Cost per Unit	% Activity	% Assigned Telephone	% Activity	% Assigned Telephone	Cost per Unit	% Activity	% Assigned Telephone	% Activity	% Assigned Telephone
Trench & Backfill	$ 2.69	27.00%	95.00%	40.00%	80.00%	$ 2.81	9.00%	95.00%	8.00%	80.00%	398.00%	0.00%	95.00%	5.00%	80.00%
Rocky Trench	$ 4.83	0.00%	95.00%	0.00%	80.00%	$ 4.99	28.00%	95.00%	30.00%	80.00%	668.00%	45.00%	95.00%	32.00%	80.00%
Backhoe Trench	$ 3.38	30.00%	95.00%	7.00%	80.00%	$ 3.57	20.00%	95.00%	9.00%	80.00%	546.00%	12.00%	95.00%	10.00%	80.00%
Hand Dig Trench	$ 6.00	6.00%	95.00%	6.00%	80.00%	$ 6.28	6.00%	95.00%	6.00%	80.00%	908.00%	6.00%	95.00%	6.00%	80.00%
Boring	$ 13.26	2.00%	95.00%	2.00%	80.00%	$ 13.66	2.00%	95.00%	2.00%	80.00%	1770.00%	2.00%	95.00%	2.00%	80.00%
Cut & Restore Asphalt	$ 9.45	13.00%	95.00%	13.00%	80.00%	$ 11.66	13.00%	95.00%	13.00%	80.00%	1369.00%	13.00%	95.00%	13.00%	80.00%
Cut & Restore Concrete	$ 10.30	12.00%	95.00%	12.00%	80.00%	$ 12.48	12.00%	95.00%	12.00%	80.00%	1435.00%	12.00%	95.00%	12.00%	80.00%
Cut & Restore Sod	$ 4.41	10.00%	95.00%	20.00%	80.00%	$ 5.28	10.00%	95.00%	20.00%	80.00%	714.00%	10.00%	95.00%	20.00%	80.00%

Density Group 501-2000	Buried Normal					Buried Soft Rock					Buried Hard Rock				
	Install	Feeder		Distribution		Install	Feeder		Distribution		Install	Feeder		Distribution	
Buried Cable Installation	Cost	% of Activity	% Assigned Telephone	% of Activity	% Assigned Telephone	Cost	% of Activity	% Assigned Telephone	% of Activity	% Assigned Telephone	Cost	% of Activity	% Assigned Telephone	% of Activity	% Assigned Telephone
Plow	$ 1.22	15.00%	100.00%	20.00%	100.00%	$ 1.24	3.00%	100.00%	2.00%	100.00%	$ 1.48	0.00%	100.00%	0.00%	100.00%
Rocky Plow	$ 1.51	0.00%	100.00%	0.00%	100.00%	$ 1.54	3.00%	100.00%	2.00%	100.00%	$ 1.93	3.00%	100.00%	3.00%	100.00%
Trench & Backfill	$ 2.69	26.00%	95.00%	20.00%	80.00%	$ 2.81	15.00%	95.00%	5.00%	80.00%	$ 3.98	0.00%	95.00%	0.00%	80.00%
Rocky Trench	$ 4.83	0.00%	95.00%	0.00%	80.00%	$ 4.99	25.00%	95.00%	25.00%	80.00%	$ 6.68	35.00%	95.00%	27.00%	80.00%
Backhoe Trench	$ 3.38	11.00%	95.00%	2.00%	80.00%	$ 3.57	6.00%	95.00%	8.00%	80.00%	$ 5.46	14.00%	95.00%	12.00%	80.00%
Hand Dig Trench	$ 6.00	6.00%	95.00%	6.00%	80.00%	$ 6.28	6.00%	95.00%	6.00%	80.00%	$ 9.08	6.00%	95.00%	6.00%	80.00%
Bore Cable	$ 13.26	2.00%	95.00%	2.00%	80.00%	$ 13.66	2.00%	95.00%	2.00%	80.00%	$ 17.70	2.00%	95.00%	2.00%	80.00%
Push Pipe & Pull Cable	$ 7.98	5.00%	95.00%	5.00%	80.00%	$ 8.31	5.00%	95.00%	5.00%	80.00%	$ 11.57	5.00%	95.00%	5.00%	80.00%
Cut & Restore Asphalt	$ 9.45	13.00%	95.00%	13.00%	80.00%	$ 11.66	13.00%	95.00%	13.00%	80.00%	$ 13.69	13.00%	95.00%	13.00%	80.00%
Cut & Restore Concrete	$ 10.30	12.00%	95.00%	12.00%	80.00%	$ 12.48	12.00%	95.00%	12.00%	80.00%	$ 14.35	12.00%	95.00%	12.00%	80.00%
Cut & Restore Sod	$ 4.41	10.00%	95.00%	20.00%	80.00%	$ 5.28	10.00%	95.00%	20.00%	80.00%	$ 7.14	10.00%	95.00%	20.00%	80.00%

Density Group 501-2000		Aerial Normal				Aerial Soft Rock				Aerial Hard Rock			
		Feeder		Distribution		Feeder		Distribution		Feeder		Distribution	
Aerial Cable Installation	Cost	Installation Cost per Unit	% Assigned Telephone	Installation Cost per Unit	% Assigned Telephone	Installation Cost per Unit	% Assigned Telephone	Installation Cost per Unit	% Assigned Telephone	Installation Cost per Unit	% Assigned Telephone	Installation Cost per Unit	% Assigned Telephone
Poles	$ 368.17	$ 358.58	67.00%	$ 358.58	67.00%	$ 458.58	67.00%	$ 458.58	67.00%	$ 558.58	67.00%	$ 558.58	67.00%
Anchors and Guys	$ 68.00	$ 255.00	100.00%	$ 255.00	100.00%	$ 285.00	100.00%	$ 285.00	100.00%	$ 310.00	100.00%	$ 310.00	100.00%

Density Group 2001-5000	Underground														
	Normal					Soft Rock					Hard Rock				
	Install	Feeder		Distribution		Install	Feeder		Distribution		Install	Feeder		Distribution	
Conduit Installation	Cost per Unit	% Activity	% Assigned Telephone	% Activity	% Assigned Telephone	Cost per Unit	% Activity	% Assigned Telephone	% Activity	% Assigned Telephone	Cost per Unit	% Activity	% Assigned Telephone	% Activity	% Assigned Telephone
Trench & Backfill	$ 2.80	5.00%	95.00%	5.00%	80.00%	$ 2.93	2.00%	95.00%	2.00%	80.00%	421.00%	0.00%	95.00%	0.00%	80.00%
Rocky Trench	$ 4.98	0.00%	95.00%	0.00%	80.00%	$ 5.16	5.00%	95.00%	5.00%	80.00%	701.00%	15.00%	95.00%	14.00%	80.00%
Backhoe Trench	$ 3.55	20.00%	95.00%	19.00%	80.00%	$ 3.76	18.00%	95.00%	17.00%	80.00%	584.00%	10.00%	95.00%	10.00%	80.00%
Hand Dig Trench	$ 6.25	8.00%	95.00%	8.00%	80.00%	$ 6.56	8.00%	95.00%	8.00%	80.00%	964.00%	8.00%	95.00%	8.00%	80.00%
Boring	$ 13.62	15.00%	95.00%	15.00%	80.00%	$ 14.07	15.00%	95.00%	15.00%	80.00%	1851.00%	15.00%	95.00%	15.00%	80.00%
Cut & Restore Asphalt	$ 9.64	25.00%	95.00%	25.00%	80.00%	$ 11.86	25.00%	95.00%	25.00%	80.00%	1410.00%	25.00%	95.00%	25.00%	80.00%
Cut & Restore Concrete	$ 10.46	20.00%	95.00%	20.00%	80.00%	$ 12.67	20.00%	95.00%	20.00%	80.00%	1472.00%	20.00%	95.00%	20.00%	80.00%
Cut & Restore Sod	$ 4.59	7.00%	95.00%	8.00%	80.00%	$ 5.47	7.00%	95.00%	8.00%	80.00%	750.00%	7.00%	95.00%	8.00%	80.00%

Density Group 2001-5000	Buried Normal					Buried Soft Rock					Buried Hard Rock				
	Install	Feeder		Distribution		Install	Feeder		Distribution		Install	Feeder		Distribution	
Buried Cable Installation	Cost	% of Activity	% Assigned Telephone	% of Activity	% Assigned Telephone	Cost	% of Activity	% Assigned Telephone	% of Activity	% Assigned Telephone	Cost	% of Activity	% Assigned Telephone	% of Activity	% Assigned Telephone
Plow	$ 1.24	0.00%	100.00%	0.00%	100.00%	$ 1.27	0.00%	100.00%	0.00%	100.00%	$ 1.52	0.00%	100.00%	0.00%	100.00%
Rocky Plow	$ 1.54	0.00%	100.00%	0.00%	100.00%	$ 1.58	0.00%	100.00%	0.00%	100.00%	$ 2.00	0.00%	100.00%	0.00%	100.00%
Trench & Backfill	$ 2.80	5.00%	95.00%	5.00%	80.00%	$ 2.93	2.00%	95.00%	2.00%	80.00%	$ 4.21	0.00%	95.00%	0.00%	80.00%
Rocky Trench	$ 4.98	0.00%	95.00%	0.00%	80.00%	$ 5.16	5.00%	95.00%	5.00%	80.00%	$ 7.01	15.00%	95.00%	14.00%	80.00%
Backhoe Trench	$ 3.55	20.00%	95.00%	19.00%	80.00%	$ 3.76	18.00%	95.00%	17.00%	80.00%	$ 5.84	10.00%	95.00%	10.00%	80.00%
Hand Dig Trench	$ 6.25	8.00%	95.00%	8.00%	80.00%	$ 6.56	8.00%	95.00%	8.00%	80.00%	$ 9.64	8.00%	95.00%	8.00%	80.00%
Bore Cable	$ 13.62	15.00%	95.00%	15.00%	80.00%	$ 14.07	15.00%	95.00%	15.00%	80.00%	$ 18.51	15.00%	95.00%	15.00%	80.00%
Push Pipe & Pull Cable	$ 8.27	0.00%	95.00%	0.00%	80.00%	$ 8.63	0.00%	95.00%	0.00%	80.00%	$ 12.23	0.00%	95.00%	0.00%	80.00%
Cut & Restore Asphalt	$ 9.64	25.00%	95.00%	25.00%	80.00%	$ 11.86	25.00%	95.00%	25.00%	80.00%	$ 14.10	25.00%	95.00%	25.00%	80.00%
Cut & Restore Concrete	$ 10.46	20.00%	95.00%	20.00%	80.00%	$ 12.67	20.00%	95.00%	20.00%	80.00%	$ 14.72	20.00%	95.00%	20.00%	80.00%
Cut & Restore Sod	$ 4.59	7.00%	95.00%	8.00%	80.00%	$ 5.47	7.00%	95.00%	8.00%	80.00%	$ 7.50	7.00%	95.00%	8.00%	80.00%

Density Group 2001-5000		Aerial Normal				Aerial Soft Rock				Aerial Hard Rock			
		Feeder		Distribution		Feeder		Distribution		Feeder		Distribution	
Aerial Cable Installation	Cost	Installation Cost per Unit	% Assigned Telephone	Installation Cost per Unit	% Assigned Telephone	Installation Cost per Unit	% Assigned Telephone	Installation Cost per Unit	% Assigned Telephone	Installation Cost per Unit	% Assigned Telephone	Installation Cost per Unit	% Assigned Telephone
Poles	$ 368.17	$ 358.58	67.00%	$ 358.58	67.00%	$ 458.58	67.00%	$ 458.58	67.00%	$ 558.58	67.00%	$ 558.58	67.00%
Anchors and Guys	$ 68.00	$ 255.00	100.00%	$ 255.00	100.00%	$ 285.00	100.00%	$ 285.00	100.00%	$ 310.00	100.00%	$ 310.00	100.00%

Density Group >5001	Underground														
	Normal					Soft Rock					Hard Rock				
	Install	Feeder		Distribution		Install	Feeder		Distribution		Install	Feeder		Distribution	
Conduit Installation	Cost per Unit	% Activity	% Assigned Telephone	% Activity	% Assigned Telephone	Cost per Unit	% Activity	% Assigned Telephone	% Activity	% Assigned Telephone	Cost per Unit	% Activity	% Assigned Telephone	% Activity	% Assigned Telephone
Trench & Backfill	$ 2.86	3.00%	95.00%	3.00%	80.00%	$ 2.99	0.00%	95.00%	0.00%	80.00%	433.00%	0.00%	95.00%	0.00%	80.00%
Rocky Trench	$ 5.06	0.00%	95.00%	0.00%	80.00%	$ 5.25	6.00%	95.00%	6.00%	80.00%	718.00%	10.00%	95.00%	10.00%	80.00%
Backhoe Trench	$ 3.64	15.00%	95.00%	15.00%	80.00%	$ 3.85	12.00%	95.00%	12.00%	80.00%	603.00%	8.00%	95.00%	8.00%	80.00%
Hand Dig Trench	$ 6.39	8.00%	95.00%	8.00%	80.00%	$ 6.70	8.00%	95.00%	8.00%	80.00%	993.00%	8.00%	95.00%	8.00%	80.00%
Boring	$ 13.82	10.00%	95.00%	10.00%	80.00%	$ 14.27	10.00%	95.00%	10.00%	80.00%	1892.00%	10.00%	95.00%	10.00%	80.00%
Cut & Restore Asphalt	$ 9.74	33.00%	95.00%	33.00%	80.00%	$ 11.96	33.00%	95.00%	33.00%	80.00%	1430.00%	33.00%	95.00%	33.00%	80.00%
Cut & Restore Concrete	$ 10.56	28.00%	95.00%	28.00%	80.00%	$ 12.76	28.00%	95.00%	28.00%	80.00%	1491.00%	28.00%	95.00%	28.00%	80.00%
Cut & Restore Sod	$ 4.68	3.00%	95.00%	3.00%	80.00%	$ 5.57	3.00%	95.00%	3.00%	80.00%	770.00%	3.00%	95.00%	3.00%	80.00%

Density Group >5001	Buried Normal					Buried Soft Rock					Buried Hard Rock				
	Install	Feeder		Distribution		Install	Feeder		Distribution		Install	Feeder		Distribution	
Buried Cable Installation	Cost	% of Activity	% Assigned Telephone	% of Activity	% Assigned Telephone	Cost	% of Activity	% Assigned Telephone	% of Activity	% Assigned Telephone	Cost	% of Activity	% Assigned Telephone	% of Activity	% Assigned Telephone
Plow	$ 1.25	0.00%	100.00%	0.00%	100.00%	$ 1.28	0.00%	100.00%	0.00%	100.00%	$ 1.55	0.00%	100.00%	0.00%	100.00%
Rocky Plow	$ 1.56	0.00%	100.00%	0.00%	100.00%	$ 1.60	0.00%	100.00%	0.00%	100.00%	$ 2.04	0.00%	100.00%	0.00%	100.00%
Trench & Backfill	$ 2.86	3.00%	95.00%	3.00%	80.00%	$ 2.99	0.00%	95.00%	0.00%	80.00%	$ 4.33	0.00%	95.00%	0.00%	80.00%
Rocky Trench	$ 5.06	0.00%	95.00%	0.00%	80.00%	$ 5.25	6.00%	95.00%	6.00%	80.00%	$ 7.18	10.00%	95.00%	10.00%	80.00%
Backhoe Trench	$ 3.64	15.00%	95.00%	15.00%	80.00%	$ 3.85	12.00%	95.00%	12.00%	80.00%	$ 6.03	8.00%	95.00%	8.00%	80.00%
Hand Dig Trench	$ 6.39	8.00%	95.00%	8.00%	80.00%	$ 6.70	8.00%	95.00%	8.00%	80.00%	$ 9.93	8.00%	95.00%	8.00%	80.00%
Bore Cable	$ 13.82	10.00%	95.00%	10.00%	80.00%	$ 14.27	10.00%	95.00%	10.00%	80.00%	$ 18.92	10.00%	95.00%	10.00%	80.00%
Push Pipe & Pull Cable	$ 8.44	0.00%	95.00%	0.00%	80.00%	$ 8.80	0.00%	95.00%	0.00%	80.00%	$ 12.55	0.00%	95.00%	0.00%	80.00%
Cut & Restore Asphalt	$ 9.74	33.00%	95.00%	33.00%	80.00%	$ 11.96	33.00%	95.00%	33.00%	80.00%	$ 14.30	33.00%	95.00%	33.00%	80.00%
Cut & Restore Concrete	$ 10.56	28.00%	95.00%	28.00%	80.00%	$ 12.76	28.00%	95.00%	28.00%	80.00%	$ 14.91	28.00%	95.00%	28.00%	80.00%
Cut & Restore Sod	$ 4.68	3.00%	95.00%	3.00%	80.00%	$ 5.57	3.00%	95.00%	3.00%	80.00%	$ 7.70	3.00%	95.00%	3.00%	80.00%

Density Group >5001		Aerial Normal				Aerial Soft Rock				Aerial Hard Rock			
		Feeder		Distribution		Feeder		Distribution		Feeder		Distribution	
Aerial Cable Installation	Cost	Installation Cost per Unit	% Assigned Telephone	Installation Cost per Unit	% Assigned Telephone	Installation Cost per Unit	% Assigned Telephone	Installation Cost per Unit	% Assigned Telephone	Installation Cost per Unit	% Assigned Telephone	Installation Cost per Unit	% Assigned Telephone
Poles	$ 368.17	$ 358.58	67.00%	$ 358.58	67.00%	$ 458.58	67.00%	$ 458.58	67.00%	$ 558.58	67.00%	$ 558.58	67.00%
Anchors and Guys	$ 68.00	$ 255.00	100.00%	$ 255.00	100.00%	$ 285.00	100.00%	$ 285.00	100.00%	$ 310.00	100.00%	$ 310.00	100.00%

Cost Tables

Copper Distribution Cost Table

DistrCableCost	COPPER DISTRIBUTION COST		
DistrCableSize	Cost Underground	Cost Buried	Cost Aerial
3600	$33.30	$30.20	$61.78
3000	$28.21	$29.19	$57.91
2400	$23.02	$25.79	$45.93
2100	$19.50	$22.56	$33.18
1800	$17.55	$20.46	$27.86
1200	$12.07	$13.20	$15.94
900	$9.40	$10.70	$12.74
600	$7.52	$7.27	$10.17
400	$6.55	$5.67	$6.63
300	$4.42	$4.38	$5.43
200	$3.60	$3.49	$4.69
100	$2.65	$2.52	$3.72
50	$2.42	$2.16	$3.33
25	$1.51	$1.93	$2.97
18	$1.32	$1.75	$3.63
12	$1.16	$1.28	$2.53

Copper Feeder Cost Table

FeederCableCost	COPPER FEEDER COST		
FeederCableSize	Cost Underground	Cost Buried	Cost Aerial
4200	$35.60	$33.16	$37.18
3600	$33.30	$30.20	$34.01
3000	$28.21	$29.19	$33.36
2400	$21.50	$26.79	$26.26
2100	$19.49	$22.60	$20.88
1800	$17.38	$20.46	$19.28
1200	$11.95	$13.20	$12.78
900	$9.98	$10.70	$9.86
600	$7.52	$7.27	$7.21
400	$6.55	$5.67	$5.58
300	$4.42	$4.38	$4.88
200	$3.60	$3.49	$3.84
100	$2.65	$2.52	$2.99
50	$1.19	$2.16	$2.59
25	$1.00	$1.93	$2.50

Cost Tables

Fiber Cable Cost Table

FiberCableCost	FIBER CABLE COST		
FiberCableSize	Cost Underground	Cost Buried	Cost Aerial
288	$11.00	$11.00	$11.18
144	$10.30	$9.96	$10.53
96	$7.40	$7.43	$7.87
72	$6.25	$6.00	$7.43
60	$5.50	$5.17	$6.70
48	$4.75	$4.95	$5.95
36	$4.15	$4.01	$5.35
24	$3.75	$3.93	$4.13
18	$3.48	$3.25	$3.94
12	$3.09	$2.75	$3.72

Drop Terminal Cost Table

Drop Terminal Cost Installed			
Size	Buried	Aerial	Building/Underground
0	$440.87	$131.81	N/A
26	$451.00	$216.00	$509.43
51	N/A	N/A	$811.60
101	N/A	N/A	$1,293.09
201	N/A	N/A	$1,965.71
301	N/A	N/A	$2,324.03
401	N/A	N/A	$2,839.49
501	N/A	N/A	$3,756.64
601	N/A	N/A	$3,870.42
701	N/A	N/A	$4,385.89
801	N/A	N/A	$4,901.36

Cost Tables

Feeder Distribution Interface Cost Table

Fdi Cost per Line	
Size	Total Cost
0	$407.00
26	$1,885.00
51	$2,120.00
101	$2,355.00
151	$2,590.00
201	$5,509.49
301	$6,848.35
451	$7,586.00
601	$8,717.30
901	$11,489.93
1351	$11,712.81
1801	$13,370.00
2101	$15,308.00
2251	$16,084.00
2401	$17,248.00
2701	$18,994.00
3150	$20,740.00

Digital Carrier Cost Table

Cost for AFC/SLC 200/LightSpan equipment		
Dlc Fiber Size	Fixed Cost	Per Line Cost
0	$44,867.52	$92.81
49	$70,084.62	$92.81
121	$85,785.33	$92.81
241	$105,730.35	$92.81
673	$125,120.85	$92.81
1335	$230,851.20	$92.81

Cost Tables

CO Switch Cost Table

CO Switch Cost		
Company Size	Fixed/Startup $	Per Line $
S	$261,871.00	$225.00
M	$261,871.00	$225.00
L	$261,871.00	$225.00

Conduit Manhole Table

Conduit Manhole Table

Duct capacity in manhole	Unit	Per Unit Material Cost	Installation Cost Per Unit			% Assigned Telephone	Cost of installed facility assigned telephone		
			Normal	Soft Rock	Hard Rock		Normal	Soft Rock	Hard Rock
0	Hand Hole	$944.00	$400.00	$600.00	$800.00	100%	$1,344.00	$1,544.00	$1,744.00
3	4X Manhole	$2,138.25	$1,645.00	$2,045.00	$2,445.00	100%	$3,783.25	$4,183.25	$4,583.25
5	9X Manhole	$3,209.00	$2,431.00	$2,831.00	$3,231.00	100%	$5,640.00	$6,040.00	$6,440.00
99	9X Adder	$2,800.00	$500.00	$700.00	$900.00	100%	$3,300.00	$3,500.00	$3,700.00
n/a	Conduit per duct foot	$0.83	NA	NA	NA	100.00%	$0.83	NA	NA

Percentage Tables

Distribution Plant Mix Table

Distribution UG/Aerial Mix Table			
Density	UnderGround %	Buried %	Aerial%
0	10.00%	80.00%	10.00%
11	15.00%	77.00%	8.00%
51	20.00%	74.00%	6.00%
151	25.00%	70.00%	5.00%
501	30.00%	67.00%	3.00%
2001	60.00%	40.00%	0.00%
5001	95.00%	5.00%	0.00%

Copper Plant Mix Table

Copper Feeder UG/Aerial Mix Table			
Density	UnderGround %	Buried %	Aerial%
0	10.00%	80.00%	10.00%
11	15.00%	77.00%	8.00%
51	20.00%	74.00%	6.00%
151	25.00%	70.00%	5.00%
501	75.00%	22.00%	3.00%
2001	85.00%	15.00%	0.00%
5001	95.00%	5.00%	0.00%

Fiber Plant Mix Table

Fiber Feeder UG/Aerial Mix Table			
Density	UnderGround %	Buried %	Aerial%
0	10.00%	80.00%	10.00%
11	15.00%	77.00%	8.00%
51	20.00%	74.00%	6.00%
151	25.00%	70.00%	5.00%
501	75.00%	22.00%	3.00%
2001	85.00%	15.00%	0.00%
5001	95.00%	5.00%	0.00%

Density Fill Table

Density	Feeder	Distribution
0	75.00%	40.00%
11	80.00%	45.00%
51	80.00%	55.00%
151	85.00%	65.00%
501	85.00%	65.00%
2001	85.00%	65.00%
5001	85.00%	65.00%

Percentage Tables

Structure Allocation Table

Cable Size	Cable Structure %	Fiber Structure %
0	50.00%	50.00%
200	50.00%	50.00%
900	50.00%	50.00%
2400	50.00%	50.00%
4200	50.00%	50.00%
>4200	75.00%	25.00%

Over4200

Voice Grade Ratio Table

# switched lines in CBG	% switched to VG	% switched to DS1	% special to VG	% special to DS1
0	100.00%	0.00%	100.00%	0.00%
2,016	65.00%	35.00%	50.00%	50.00%
10,000	50.00%	50.00%	30.00%	70.00%
20,000	75.00%	25.00%	10.00%	90.00%

Miscellaneous Table Inputs

Spacing Table

In Feet				
Density	Manhole Spacing	Pole Spacing	Guy Spacing	Relative Pole Units
0	725	250	1500	6.00
11	725	250	1500	6.00
51	725	250	1500	6.00
151	725	250	1500	6.00
501	550	150	1000	6.67
2001	550	150	500	3.33
5001	550	150	500	3.33

Surface Condition Table

Condition #	Conduit Column #
1	10
2	9
3	8

Miscellaneous Inputs

Cable & Wire Inputs

		Description
NormalUGDepth	24.00	Normal Placement Depth in inches for Buried/Underground Copper Cable
NormalFiberDepth	36.00	Normal Placement Depth in inches for Buried/Underground Fiber
MaxFiberSize	288	Maximum Fiber Cable Size
MaxFeederSize	4,200	Maximum Copper Feeder Cable Size
Max DistSize	3,600	Maximum Copper Distribution Cable Size
CprMaxDistr	12,000	Maximum length of copper cable in the CBG distribution area
	0.00%	Fiber Cable Discount %
	0.00%	Copper Cable Discount %
DropCostPerFoot	$0.43	Drop Cost per Foot Material & Installation
PedestalCost	$0.00	Cost of Pedestal included in Drop Terminal Cost
NidCost	$77.97	Unit Cost per Network Interface Device Including Installation

Switching Inputs

SwitchFillFactor	80.00%	Switch Fill Factor
SwBldgFactor	0.0738	Sw Building Factor
SwLandFactor	0.0117	Sw Land Factor
TrfSen	73.93%	% of Traffic Sensitive that is local
InterofficeSwRatio	0.030	Multiplier to add interoffice trunking cost
	0.00%	Digital Switching Discount %

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	1.100	Change in distance due to increased average slope
MaxSlopeTrigger	30	Point where presence of very high slope causes yet more cable distance
MaxSlopeFactor	1.0500	Change in distance due to a maximum only slope presence
CombSlopeFactor	1.200	Secondary change in distance due to substantial slope presence

Census Data Inputs - State Specific

ResLinesMultiplier	1.403	Residence Lines per household multiplier
SpecAccRatio	0.130	Ratio of Special Access Lines to Business and Special Access
DensAdjUnits	10	Average Number of Business lines per location

Digital Carrier Inputs

OpticsCost	$75,000	Material & Installation for Fiber Optics Terminal at CO and Customer Loc
CopperT1	$2,500	Average Cost per DS-1 on copper (both terminals & repeater)
ElectronicFill	85.00%	Fill Factors for Electronics
HiCapFill	95.00%	Fill Factors for High Capacity Optic Multiplexers
	0.00%	Small DLC Electronics Discount %
	0.00%	Large DLC Electronics Discount %

NormalStructure	Underground		Buried		Aerial	
Density	Normal Feeder	Normal Distr	Normal Feeder	Normal Distr	Normal Feeder	Normal Distr
0	3.31	3.26	2.00	2.11	540.76	540.76
11	3.64	3.42	2.28	2.21	540.76	540.75
51	3.93	3.29	2.96	2.31	540.76	540.76
151	4.44	3.57	4.11	3.54	540.76	540.76
501	5.01	4.23	4.93	4.23	535.37	535.37
2001	7.81	6.58	7.81	6.58	583.82	583.82
5001	8.39	7.07	8.39	7.07	583.82	583.82

SoftRockStructure	Underground		Buried		Aerial	
Density	Soft Rock Feeder	Soft Rock Distr	Soft Rock Feeder	Soft Rock Distr	Soft Rock Feeder	Soft Rock Distr
0	4.62	4.87	2.90	3.03	612.76	612.76
11	4.74	4.91	3.09	2.86	612.76	612.76
51	4.93	4.61	3.46	2.96	612.76	612.76
151	5.56	4.52	5.40	4.52	612.76	612.76
501	6.23	5.41	6.25	5.50	606.87	606.87
2001	9.04	7.62	9.04	7.62	659.82	659.82
5001	9.91	8.34	9.91	8.34	659.82	659.82

HardRockStructure	Underground		Buried		Aerial	
Density	Hard Rock Feeder	Hard Rock Distr	Hard Rock Feeder	Hard Rock Distr	Hard Rock Feeder	Hard Rock Distr
0	5.89	5.82	4.13	4.42	683.92	683.92
11	6.36	6.15	4.50	4.46	683.92	683.92
51	6.73	5.91	4.91	4.54	683.92	683.92
151	7.58	6.19	7.33	5.84	683.92	683.92
501	8.34	6.97	8.41	7.15	677.62	677.62
2001	11.57	9.75	11.57	9.75	734.32	734.32
5001	12.36	10.41	12.36	10.41	734.32	734.32

	Density Group 0-10																						
	Underground Normal							Underground Soft Rock							Underground Hard Rock								
Density Group 0-10	Install	Feeder			Distribution			Install	Feeder			Distribution			Install	Feeder			Distribution				
Conduit Installation	Cost per Unit	% of Activity	% Assigned Telephone	Weighted Amount	% of Activity	% Assigned Telephone	Weighted Amount	Cost per Unit	% of Activity	% Assigned Telephone	Weighted Amount	% of Activity	% Assigned Telephone	Weighted Amount	Cost per Unit	% of Activity	% Assigned Telephone	Weighted Amount	% of Activity	% Assigned Telephone	Weighted Amount		
Trench & Backfill	$ 2.27	67.00%	100.00%	$1.52	79.00%	100.00%	$1.79	$ 2.34	5.00%	100.00%	$0.12	8.00%	100.00%	$0.19	$ 3.04	0.00%	100.00%	$0.00	0.00%	100.00%	$0.00		
Rocky Trench	$ 4.22	0.00%	100.00%	$0.00	0.00%	100.00%	$0.00	$ 4.32	25.00%	100.00%	$1.08	42.00%	100.00%	$1.81	$ 5.33	51.00%	100.00%	$2.72	46.00%	100.00%	$2.45		
Backhoe Trench	$ 2.70	17.00%	100.00%	$0.46	5.00%	100.00%	$0.14	$ 2.81	48.00%	100.00%	$1.35	28.00%	100.00%	$0.79	$ 3.95	30.00%	100.00%	$1.19	35.00%	100.00%	$1.38		
Hand Dig Trench	$ 4.99	2.00%	100.00%	$0.10	2.00%	100.00%	$0.10	$ 5.15	5.00%	100.00%	$0.26	5.00%	100.00%	$0.26	$ 6.84	5.00%	100.00%	$0.34	5.00%	100.00%	$0.34		
Boring	$ 11.80	2.00%	100.00%	$0.24	2.00%	100.00%	$0.24	$ 12.05	5.00%	100.00%	$0.60	5.00%	100.00%	$0.60	$ 14.47	2.00%	100.00%	$0.29	2.00%	100.00%	$0.29		
Cut & Restore Asphalt	$ 8.72	5.00%	100.00%	$0.44	5.00%	100.00%	$0.44	$ 10.84	5.00%	100.00%	$0.54	5.00%	100.00%	$0.54	$ 12.06	5.00%	100.00%	$0.60	5.00%	100.00%	$0.60		
Cut & Restore Concrete	$ 9.63	5.00%	100.00%	$0.48	5.00%	100.00%	$0.48	$ 11.70	5.00%	100.00%	$0.59	5.00%	100.00%	$0.59	$ 12.86	5.00%	100.00%	$0.64	5.00%	100.00%	$0.64		
Cut & Restore Sod	$ 3.75	2.00%	100.00%	$0.08	2.00%	100.00%	$0.08	$ 4.54	2.00%	100.00%	$0.09	2.00%	100.00%	$0.09	$ 5.65	2.00%	100.00%	$0.11	2.00%	100.00%	$0.11		
Total Underground Cost per Foot		100.00%		$3.31	100.00%		$3.26		100.00%		$4.62	100.00%		$4.87		100.00%		$5.89	100.00%		$5.82		

	Buried Normal							Buried Soft Rock							Buried Hard Rock						
	Install	Feeder			Distribution			Install	Feeder			Distribution			Install	Feeder			Distribution		
Buried Cable Installation	Cost	% of Activity	% Assigned Telephone	Weighted Amount	% of Activity	% Assigned Telephone	Weighted Amount	Cost	% of Activity	% Assigned Telephone	Weighted Amount	% of Activity	% Assigned Telephone	Weighted Amount	Cost	% Assigned Telephone	% of Sharing	Weighted Amount	% of Activity	% Assigned Telephone	Weighted Amount
Plow	$ 1.14	88.00%	100.00%	$ 1.00	78.00%	100.00%	$ 0.89	$ 1.15	40.00%	100.00%	$ 0.46	43.00%	100.00%	$ 0.49	$ 1.29	0.00%	100.00%	$ -	0.00%	100.00%	$ -
Rocky Plow	$ 1.37	0.00%	100.00%	$ -	0.00%	100.00%	$ -	$ 1.39	30.00%	100.00%	$ 0.42	25.00%	100.00%	$ 0.35	$ 1.62	51.00%	100.00%	$ 0.83	44.00%	100.00%	$ 0.71
Trench & Backfill	$ 2.27	0.00%	100.00%	$ -	10.00%	100.00%	$ 0.23	$ 2.34	5.00%	100.00%	$ 0.12	5.00%	100.00%	$ 0.12	$ 3.04	5.00%	100.00%	$ 0.15	5.00%	100.00%	$ 0.15
Rocky Trench	$ 4.22	0.00%	100.00%	$ -	0.00%	100.00%	$ -	$ 4.32	5.00%	100.00%	$ 0.22	4.00%	100.00%	$ 0.17	$ 5.33	25.00%	100.00%	$ 1.33	34.00%	100.00%	$ 1.81
Backhoe Trench	$ 2.70	0.00%	100.00%	$ -	0.00%	100.00%	$ -	$ 2.81	2.00%	100.00%	$ 0.06	2.00%	100.00%	$ 0.06	$ 3.95	4.00%	100.00%	$ 0.16	2.00%	100.00%	$ 0.08
Hand Dig Trench	$ 4.99	0.00%	100.00%	$ -	0.00%	100.00%	$ -	$ 5.15	3.00%	100.00%	$ 0.15	3.00%	100.00%	$ 0.15	$ 6.89	1.00%	100.00%	$ 0.07	1.00%	100.00%	$ 0.07
Bore Cable	$ 11.80	0.00%	100.00%	$ -	0.00%	100.00%	$ -	$ 12.05	1.00%	100.00%	$ 0.12	1.00%	100.00%	$ 0.12	$ 14.47	1.00%	100.00%	$ 0.14	1.00%	100.00%	$ 0.14
Push Pipe & Pull Cable	$ 6.80	0.00%	100.00%	$ -	0.00%	100.00%	$ -	$ 7.00	2.00%	100.00%	$ 0.14	5.00%	100.00%	$ 0.35	$ 8.96	1.00%	100.00%	$ 0.09	1.00%	100.00%	$ 0.09
Cut & Restore Asphalt	$ 8.72	5.00%	100.00%	$ 0.44	5.00%	100.00%	$ 0.44	$ 10.84	5.00%	100.00%	$ 0.54	5.00%	100.00%	$ 0.54	$ 12.06	5.00%	100.00%	$ 0.60	5.00%	100.00%	$ 0.60
Cut & Restore Concrete	$ 9.63	5.00%	100.00%	$ 0.48	5.00%	100.00%	$ 0.48	$ 11.74	5.00%	100.00%	$ 0.59	5.00%	100.00%	$ 0.59	$ 12.86	5.00%	100.00%	$ 0.64	5.00%	100.00%	$ 0.64
Cut & Restore Sod	$ 3.75	2.00%	100.00%	$ 0.08	2.00%	100.00%	$ 0.08	$ 4.54	2.00%	100.00%	$ 0.09	2.00%	100.00%	$ 0.09	$ 5.65	2.00%	100.00%	$ 0.11	2.00%	100.00%	$ 0.11
Total Buried Cost per Foot		100.00%		$ 2.00	100.00%		$ 2.11		100.00%		$ 2.90	100.00%		$ 3.03		100.00%		$ 4.13	100.00%		$ 4.42

	Aerial Normal							Aerial Soft Rock							Aerial Hard Rock						
	Feeder				Distribution			Feeder				Distribution			Feeder				Distribution		
Aerial Cable Installation	Cost	Installation Cost per Unit	% of Sharing	Weighted Amount	Installation Cost per Unit	% of Sharing	Weighted Amount	Installation Cost per Unit	% of Sharing	Weighted Amount		Installation Cost per Unit	% of Sharing	Weighted Amount	Installation Cost per Unit	% of Sharing	Weighted Amount		Installation Cost per Unit	% of Sharing	Weighted Amount
Poles	$ 368.17	$ 358.58	67.00%	486.92	$ 358.58	67.00%	486.92	$ 458.58	67.00%	553.92		$ 458.58	67.00%	553.92	$ 558.58	67.00%	620.92		$ 558.58	67.00%	620.92
Anchors and Guys	$ 68.00	$ 255.00	100.00%	53.83	$ 255.00	100.00%	53.83	$ 285.00	100.00%	58.83		$ 285.00	100.00%	58.83	$ 310.00	100.00%	63.00		$ 310.00	100.00%	63.00
Total Aerial Cost per Pole				$ 540.76			$ 540.76			$ 612.76				$ 612.76			$ 683.92				$ 683.92

Density Group 11-50

Density Group 11-50	Underground Normal							Underground Soft Rock							Underground Hard Rock						
	Install	Feeder			Distribution			Install	Feeder			Distribution			Install	Feeder			Distribution		
Conduit Installation	Cost per Unit	% of Activity	% Assigned Telephone	Weighted Amount	% of Activity	% Assigned Telephone	Weighted Amount	Cost per Unit	% of Activity	% Assigned Telephone	Weighted Amount	% of Activity	% Assigned Telephone	Weighted Amount	Cost per Unit	% of Activity	% Assigned Telephone	Weighted Amount	% of Activity	% Assigned Telephone	Weighted Amount
Trench & Backfill	$ 2.38	55.00%	100.00%	$1.31	65.00%	99.00%	$1.53	$ 2.46	5.00%	100.00%	$0.12	8.00%	99.00%	$0.19	$ 3.28	0.00%	100.00%	$0.00	0.00%	99.00%	$0.00
Rocky Trench	$ 4.37	0.00%	100.00%	$0.00	0.00%	99.00%	$0.00	$ 4.49	34.00%	100.00%	$1.53	48.00%	99.00%	$2.13	$ 5.67	52.00%	100.00%	$2.95	47.00%	99.00%	$2.64
Backhoe Trench	$ 2.87	26.00%	100.00%	$0.75	19.00%	99.00%	$0.54	$ 3.00	42.00%	100.00%	$1.26	24.00%	99.00%	$0.71	$ 4.32	29.00%	100.00%	$1.25	34.00%	99.00%	$1.45
Hand Dig Trench	$ 5.24	4.00%	100.00%	$0.21	2.00%	99.00%	$0.10	$ 5.43	4.00%	100.00%	$0.22	5.00%	99.00%	$0.27	$ 7.40	4.00%	100.00%	$0.30	5.00%	99.00%	$0.37
Boring	$ 12.17	3.00%	100.00%	$0.37	2.00%	99.00%	$0.24	$ 12.45	3.00%	100.00%	$0.37	3.00%	99.00%	$0.37	$ 15.28	3.00%	100.00%	$0.46	2.00%	99.00%	$0.30
Cut & Restore Asphalt	$ 8.90	5.00%	100.00%	$0.45	5.00%	99.00%	$0.44	$ 11.05	5.00%	100.00%	$0.55	5.00%	99.00%	$0.55	$ 12.47	5.00%	100.00%	$0.62	5.00%	99.00%	$0.62
Cut & Restore Concrete	$ 9.79	5.00%	100.00%	$0.49	5.00%	99.00%	$0.48	$ 11.92	5.00%	100.00%	$0.60	5.00%	99.00%	$0.59	$ 13.23	5.00%	100.00%	$0.66	5.00%	99.00%	$0.65
Cut & Restore Sod	$ 3.92	2.00%	100.00%	$0.08	2.00%	99.00%	$0.08	$ 4.73	2.00%	100.00%	$0.09	2.00%	99.00%	$0.09	$ 6.03	2.00%	100.00%	$0.12	2.00%	99.00%	$0.12
Total Underground Cost per Foot		100.00%		$3.64	100.00%		$3.42		100.00%		$4.74	100.00%		$4.91		100.00%		$6.36	100.00%		$6.15

	Buried Normal							Buried Soft Rock							Buried Hard Rock						
	Install	Feeder			Distribution			Install	Feeder			Distribution			Install	Feeder			Distribution		
Buried Cable Installation	Cost	% of Activity	% Assigned Telephone	Weighted Amount	% of Activity	% Assigned Telephone	Weighted Amount	Cost	% of Activity	% Assigned Telephone	Weighted Amount	% of Activity	% Assigned Telephone	Weighted Amount	Cost	% Assigned Telephone	% of Sharing	Weighted Amount	% of Activity	% Assigned Telephone	Weighted Amount
Plow	$ 1.16	72.00%	100.00%	$ 0.84	74.00%	100.00%	$ 0.86	$ 1.17	32.00%	100.00%	$ 0.37	43.00%	100.00%	$ 0.50	$ 1.66	0.00%	100.00%	$ -	0.00%	100.00%	$ -
Rocky Plow	$ 1.40	0.00%	100.00%	$ -	0.00%	100.00%	$ -	$ 1.43	25.00%	100.00%	$ 0.36	25.00%	100.00%	$ 0.36	$ 1.70	45.00%	100.00%	$ 0.77	44.00%	100.00%	$ 0.75
Trench & Backfill	$ 2.38	10.00%	100.00%	$ 0.24	11.00%	99.00%	$ 0.26	$ 2.46	10.00%	100.00%	$ 0.25	10.00%	99.00%	$ 0.24	$ 3.28	10.00%	100.00%	$ 0.33	10.00%	99.00%	$ 0.32
Rocky Trench	$ 4.37	0.00%	100.00%	$ -	0.00%	99.00%	$ -	$ 4.49	5.00%	100.00%	$ 0.22	4.00%	99.00%	$ 0.18	$ 5.67	28.00%	100.00%	$ 1.59	26.00%	99.00%	$ 1.46
Backhoe Trench	$ 2.87	5.00%	100.00%	$ 0.14	3.00%	99.00%	$ 0.09	$ 3.00	12.00%	100.00%	$ 0.36	2.00%	99.00%	$ 0.06	$ 4.32	2.00%	100.00%	$ 0.09	5.00%	99.00%	$ 0.21
Hand Dig Trench	$ 5.24	1.00%	100.00%	$ 0.05	0.00%	99.00%	$ -	$ 5.43	3.00%	100.00%	$ 0.16	3.00%	99.00%	$ 0.16	$ 7.40	1.00%	100.00%	$ 0.07	1.00%	99.00%	$ 0.07
Bore Cable	$ 12.17	0.00%	100.00%	$ -	0.00%	99.00%	$ -	$ 12.45	1.00%	100.00%	$ 0.12	1.00%	99.00%	$ 0.12	$ 15.28	1.00%	100.00%	$ 0.15	1.00%	99.00%	$ 0.15
Push Pipe & Pull Cable	$ 7.10	0.00%	100.00%	$ -	0.00%	99.00%	$ -	$ 7.33	0.00%	100.00%	$ -	0.00%	99.00%	$ -	$ 9.61	1.00%	100.00%	$ 0.10	1.00%	99.00%	$ 0.10
Cut & Restore Asphalt	$ 8.90	5.00%	100.00%	$ 0.45	5.00%	99.00%	$ 0.44	$ 11.05	5.00%	100.00%	$ 0.55	5.00%	99.00%	$ 0.55	$ 12.47	5.00%	100.00%	$ 0.62	5.00%	99.00%	$ 0.62
Cut & Restore Concrete	$ 9.79	5.00%	100.00%	$ 0.49	5.00%	99.00%	$ 0.48	$ 11.92	5.00%	100.00%	$ 0.60	5.00%	99.00%	$ 0.59	$ 13.23	5.00%	100.00%	$ 0.66	5.00%	99.00%	$ 0.65
Cut & Restore Sod	$ 3.92	2.00%	100.00%	$ 0.08	2.00%	99.00%	$ 0.08	$ 4.73	2.00%	100.00%	$ 0.09	2.00%	99.00%	$ 0.09	$ 6.03	2.00%	100.00%	$ 0.12	2.00%	99.00%	$ 0.12
Total Buried Cost per Foot		100.00%		$ 2.28	100.00%		$ 2.21		100.00%		$ 3.09	100.00%		$ 2.86		100.00%		$ 4.50	100.00%		$ 4.46

	Aerial Normal							Aerial Soft Rock							Aerial Hard Rock						
		Feeder			Distribution			Feeder			Distribution				Feeder			Distribution			
Aerial Cable Installation	Cost	Installation Cost per Unit	% of Sharing	Weighted Amount	Installation Cost per Unit	% of Sharing	Weighted Amount	Installation Cost per Unit	% of Sharing	Weighted Amount	Installation Cost per Unit	% of Sharing	Weighted Amount		Installation Cost per Unit	% of Sharing	Weighted Amount	Installation Cost per Unit	% of Sharing	Weighted Amount	
Poles	$ 368.17	$ 358.58	67.00%	486.92	$ 358.58	67.00%	486.92	$ 458.58	67.00%	553.92	$ 458.58	67.00%	553.92		$ 558.58	67.00%	620.92	$ 558.58	67.00%	620.92	
Anchors and Guys	$ 68.00	$ 255.00	100.00%	53.83	$ 255.00	100.00%	53.83	$ 285.00	100.00%	58.83	$ 285.00	100.00%	58.83		$ 310.00	100.00%	63.00	$ 310.00	100.00%	63.00	
Total Aerial Cost per Pole				$ 540.76			$ 540.75			$ 612.76			$ 612.76				$ 683.92			$ 683.92	

Density Group 51-150

Density Group 51-150	Underground Normal							Underground Soft Rock							Underground Hard Rock						
	Install	Feeder			Distribution			Install	Feeder			Distribution			Install	Feeder			Distribution		
Conduit Installation	Cost per Unit	% of Activity	% Assigned Telephone	Weighted Amount	% of Activity	% Assigned Telephone	Weighted Amount	Cost per Unit	% of Activity	% Assigned Telephone	Weighted Amount	% of Activity	% Assigned Telephone	Weighted Amount	Cost per Unit	% of Activity	% Assigned Telephone	Weighted Amount	% of Activity	% Assigned Telephone	Weighted Amount
Trench & Backfill	$ 2.48	46.00%	100.00%	$1.14	60.00%	90.00%	$1.34	$ 2.58	5.00%	100.00%	$0.13	8.00%	90.00%	$0.19	$ 3.51	0.00%	100.00%	$0.00	0.00%	90.00%	$0.00
Rocky Trench	$ 4.52	0.00%	100.00%	$0.00	0.00%	90.00%	$0.00	$ 4.66	35.00%	100.00%	$1.63	48.00%	90.00%	$2.01	$ 6.00	53.00%	100.00%	$3.18	47.00%	90.00%	$2.54
Backhoe Trench	$ 3.04	30.00%	100.00%	$0.91	18.00%	90.00%	$0.49	$ 3.19	38.00%	100.00%	$1.21	21.00%	90.00%	$0.60	$ 4.70	25.00%	100.00%	$1.18	31.00%	90.00%	$1.31
Hand Dig Trench	$ 5.49	5.00%	100.00%	$0.27	5.00%	90.00%	$0.25	$ 5.72	4.00%	100.00%	$0.23	5.00%	90.00%	$0.26	$ 7.96	4.00%	100.00%	$0.32	5.00%	90.00%	$0.36
Boring	$ 12.53	4.00%	100.00%	$0.50	2.00%	90.00%	$0.23	$ 12.86	3.00%	100.00%	$0.39	3.00%	90.00%	$0.35	$ 16.09	3.00%	100.00%	$0.48	2.00%	90.00%	$0.29
Cut & Restore Asphalt	$ 9.09	5.00%	100.00%	$0.45	5.00%	90.00%	$0.41	$ 11.25	5.00%	100.00%	$0.56	5.00%	90.00%	$0.51	$ 12.88	5.00%	100.00%	$0.64	5.00%	90.00%	$0.58
Cut & Restore Concrete	$ 9.96	4.00%	100.00%	$0.40	4.00%	90.00%	$0.36	$ 12.11	4.00%	100.00%	$0.48	4.00%	90.00%	$0.44	$ 13.60	4.00%	100.00%	$0.54	4.00%	90.00%	$0.49
Cut & Restore Sod	$ 4.08	6.00%	100.00%	$0.24	6.00%	90.00%	$0.22	$ 4.92	6.00%	100.00%	$0.30	6.00%	90.00%	$0.27	$ 6.40	6.00%	100.00%	$0.38	6.00%	90.00%	$0.35
Total Underground Cost per Foot		100.00%		$3.93	100.00%		$3.29		100.00%		$4.93	100.00%		$4.61		100.00%		$6.73	100.00%		$5.91

	Buried Normal							Buried Soft Rock							Buried Hard Rock						
	Install	Feeder			Distribution			Install	Feeder			Distribution			Install	Feeder			Distribution		
Buried Cable Installation	Cost	% of Activity	% Assigned Telephone	Weighted Amount	% of Activity	% Assigned Telephone	Weighted Amount	Cost	% of Activity	% Assigned Telephone	Weighted Amount	% of Activity	% Assigned Telephone	Weighted Amount	Cost	% Assigned Telephone	% of Sharing	Weighted Amount	% of Activity	% Assigned Telephone	Weighted Amount
Plow	$ 1.18	60.00%	100.00%	$ 0.71	69.00%	100.00%	$ 0.81	$ 1.20	20.00%	100.00%	$ 0.24	29.00%	100.00%	$ 0.35	$ 1.38	0.00%	100.00%	$ -	0.00%	100.00%	$ -
Rocky Plow	$ 1.44	0.00%	100.00%	$ -	0.00%	100.00%	$ -	$ 1.47	30.00%	100.00%	$ 0.44	30.00%	100.00%	$ 0.44	$ 1.77	45.00%	100.00%	$ 0.80	40.00%	100.00%	$ 0.71
Trench & Backfill	$ 2.48	10.00%	100.00%	$ 0.25	11.00%	90.00%	$ 0.25	$ 2.58	10.00%	100.00%	$ 0.26	12.00%	90.00%	$ 0.28	$ 3.51	3.00%	100.00%	$ 0.11	7.00%	90.00%	$ 0.22
Rocky Trench	$ 4.52	0.00%	100.00%	$ -	0.00%	90.00%	$ -	$ 4.66	8.00%	100.00%	$ 0.37	8.00%	90.00%	$ 0.34	$ 6.00	28.00%	100.00%	$ 1.68	32.00%	90.00%	$ 1.73
Backhoe Trench	$ 3.04	6.00%	100.00%	$ 0.18	3.00%	90.00%	$ 0.08	$ 3.19	10.00%	100.00%	$ 0.32	2.00%	90.00%	$ 0.06	$ 4.70	2.00%	100.00%	$ 0.09	2.00%	90.00%	$ 0.08
Hand Dig Trench	$ 5.49	5.00%	100.00%	$ 0.27	0.00%	90.00%	$ -	$ 5.72	5.00%	100.00%	$ 0.29	2.00%	90.00%	$ 0.10	$ 7.96	5.00%	100.00%	$ 0.40	2.00%	90.00%	$ 0.14
Bore Cable	$ 12.53	3.00%	100.00%	$ 0.38	1.00%	90.00%	$ 0.11	$ 12.86	1.00%	100.00%	$ 0.13	1.00%	90.00%	$ 0.12	$ 16.09	1.00%	100.00%	$ 0.16	1.00%	90.00%	$ 0.14
Push Pipe & Pull Cable	$ 7.39	1.00%	100.00%	$ 0.07	1.00%	90.00%	$ 0.07	$ 7.65	1.00%	100.00%	$ 0.08	1.00%	90.00%	$ 0.07	$ 10.27	1.00%	100.00%	$ 0.10	1.00%	90.00%	$ 0.09
Cut & Restore Asphalt	$ 9.09	5.00%	100.00%	$ 0.45	5.00%	90.00%	$ 0.41	$ 11.25	5.00%	100.00%	$ 0.56	5.00%	90.00%	$ 0.51	$ 12.88	5.00%	100.00%	$ 0.64	5.00%	90.00%	$ 0.58
Cut & Restore Concrete	$ 9.96	4.00%	100.00%	$ 0.40	4.00%	90.00%	$ 0.36	$ 12.11	4.00%	100.00%	$ 0.48	4.00%	90.00%	$ 0.44	$ 13.60	4.00%	100.00%	$ 0.54	4.00%	90.00%	$ 0.49
Cut & Restore Sod	$ 4.08	6.00%	100.00%	$ 0.24	6.00%	90.00%	$ 0.22	$ 4.92	6.00%	100.00%	$ 0.30	6.00%	90.00%	$ 0.27	$ 6.40	6.00%	100.00%	$ 0.38	6.00%	90.00%	$ 0.35
Total Buried Cost per Foot		100.00%		$ 2.96	100.00%		$ 2.31		100.00%		$ 3.46	100.00%		$ 2.96		100.00%		$ 4.91	100.00%		$ 4.54

		Aerial Normal						Aerial Soft Rock						Aerial Hard Rock					
		Feeder			Distribution			Feeder			Distribution			Feeder			Distribution		
Aerial Cable Installation	Cost	Installation Cost per Unit	% of Sharing	Weighted Amount	Installation Cost per Unit	% of Sharing	Weighted Amount	Installation Cost per Unit	% of Sharing	Weighted Amount	Installation Cost per Unit	% of Sharing	Weighted Amount	Installation Cost per Unit	% of Sharing	Weighted Amount	Installation Cost per Unit	% of Sharing	Weighted Amount
Poles	$ 368.17	$ 358.58	67.00%	486.92	$ 358.58	67.00%	486.92	$ 458.58	67.00%	553.92	$ 458.58	67.00%	553.92	$ 558.58	67.00%	620.92	$ 558.58	67.00%	620.92
Anchors and Guys	$ 68.00	$ 255.00	100.00%	53.83	$ 255.00	100.00%	53.83	$ 285.00	100.00%	58.83	$ 285.00	100.00%	58.83	$ 310.00	100.00%	63.00	$ 310.00	100.00%	63.00
Total Aerial Cost per Pole				$ 540.76			$ 540.76			$ 612.76			$ 612.76			$ 683.92			$ 683.92

	Density Group 151-500																						
	Underground Normal							Underground Soft Rock							Underground Hard Rock								
Density Group 151-500	Install	Feeder			Distribution			Install	Feeder			Distribution			Install	Feeder			Distribution				
Conduit Installation	Cost per Unit	% of Activity	% Assigned Telephone	Weighted Amount	% of Activity	% Assigned Telephone	Weighted Amount	Cost per Unit	% of Activity	% Assigned Telephone	Weighted Amount	% of Activity	% Assigned Telephone	Weighted Amount	Cost per Unit	% of Activity	% Assigned Telephone	Weighted Amount	% of Activity	% Assigned Telephone	Weighted Amount		
Trench & Backfill	$ 2.59	35.00%	98.00%	$0.89	45.00%	80.00%	$0.93	$ 2.69	15.00%	98.00%	$0.40	15.00%	80.00%	$0.32	$ 3.74	0.00%	98.00%	$0.00	0.00%	80.00%	$0.00		
Rocky Trench	$ 4.67	0.00%	98.00%	$0.00	0.00%	80.00%	$0.00	$ 4.83	33.00%	98.00%	$1.56	32.00%	80.00%	$1.24	$ 6.34	50.00%	98.00%	$3.11	50.00%	80.00%	$2.54		
Backhoe Trench	$ 3.21	33.00%	98.00%	$1.04	23.00%	80.00%	$0.59	$ 3.38	20.00%	98.00%	$0.66	21.00%	80.00%	$0.57	$ 5.08	18.00%	98.00%	$0.90	18.00%	80.00%	$0.73		
Hand Dig Trench	$ 5.74	3.00%	98.00%	$0.17	3.00%	80.00%	$0.14	$ 6.00	3.00%	98.00%	$0.18	3.00%	80.00%	$0.14	$ 8.52	3.00%	98.00%	$0.25	3.00%	80.00%	$0.20		
Boring	$ 12.90	4.00%	98.00%	$0.51	4.00%	80.00%	$0.41	$ 13.26	4.00%	98.00%	$0.52	4.00%	80.00%	$0.42	$ 16.90	4.00%	98.00%	$0.66	4.00%	80.00%	$0.54		
Cut & Restore Asphalt	$ 9.27	8.00%	98.00%	$0.73	8.00%	80.00%	$0.59	$ 11.45	8.00%	98.00%	$0.90	8.00%	80.00%	$0.73	$ 13.28	8.00%	98.00%	$1.04	8.00%	80.00%	$0.85		
Cut & Restore Concrete	$ 10.13	7.00%	98.00%	$0.69	7.00%	80.00%	$0.57	$ 12.30	7.00%	98.00%	$0.84	7.00%	80.00%	$0.69	$ 13.97	7.00%	98.00%	$0.96	7.00%	80.00%	$0.78		
Cut & Restore Sod	$ 4.25	10.00%	98.00%	$0.42	10.00%	80.00%	$0.34	$ 5.09	10.00%	98.00%	$0.50	10.00%	80.00%	$0.41	$ 6.76	10.00%	98.00%	$0.66	10.00%	80.00%	$0.54		
Total Underground Cost per Foot		100.00%		$4.44	100.00%		$3.57		100.00%		$5.56	100.00%		$4.52		100.00%		$7.58	100.00%		$6.19		

	Buried Normal							Buried Soft Rock							Buried Hard Rock						
	Install	Feeder			Distribution			Install	Feeder			Distribution			Install	Feeder			Distribution		
Buried Cable Installation	Cost	% of Activity	% Assigned Telephone	Weighted Amount	% of Activity	% Assigned Telephone	Weighted Amount	Cost	% of Activity	% Assigned Telephone	Weighted Amount	% of Activity	% Assigned Telephone	Weighted Amount	Cost	% Assigned Telephone	% of Sharing	Weighted Amount	% of Activity	% Assigned Telephone	Weighted Amount
Plow	$ 1.20	33.00%	100.00%	$ 0.40	21.00%	100.00%	$ 0.25	$ 1.22	5.00%	100.00%	$ 0.06	3.00%	100.00%	$ 0.04	$ 1.43	0.00%	100.00%	$ -	0.00%	100.00%	$ -
Rocky Plow	$ 1.47	0.00%	100.00%	$ -	0.00%	100.00%	$ -	$ 1.51	13.00%	100.00%	$ 0.20	12.00%	100.00%	$ 0.18	$ 1.85	13.00%	100.00%	$ 0.24	13.00%	100.00%	$ 0.24
Trench & Backfill	$ 2.59	20.00%	98.00%	$ 0.51	30.00%	80.00%	$ 0.62	$ 2.69	5.00%	98.00%	$ 0.13	5.00%	80.00%	$ 0.11	$ 3.74	0.00%	98.00%	$ -	0.00%	80.00%	$ 0.24
Rocky Trench	$ 4.67	0.00%	98.00%	$ -	0.00%	80.00%	$ -	$ 4.83	25.00%	98.00%	$ 1.18	27.00%	80.00%	$ 1.04	$ 6.34	40.00%	98.00%	$ 2.49	30.00%	80.00%	$ 1.52
Backhoe Trench	$ 3.21	10.00%	98.00%	$ 0.31	12.00%	80.00%	$ 0.31	$ 3.38	15.00%	98.00%	$ 0.50	16.00%	80.00%	$ 0.43	$ 5.08	10.00%	98.00%	$ 0.50	12.00%	80.00%	$ 0.49
Hand Dig Trench	$ 5.74	3.00%	98.00%	$ 0.17	3.00%	80.00%	$ 0.14	$ 6.00	3.00%	98.00%	$ 0.18	3.00%	80.00%	$ 0.14	$ 8.52	3.00%	98.00%	$ 0.25	3.00%	80.00%	$ 0.20
Bore Cable	$ 12.90	4.00%	98.00%	$ 0.51	4.00%	80.00%	$ 0.41	$ 13.26	4.00%	98.00%	$ 0.52	4.00%	80.00%	$ 0.42	$ 16.90	4.00%	98.00%	$ 0.66	4.00%	80.00%	$ 0.54
Push Pipe & Pull Cable	$ 7.69	5.00%	98.00%	$ 0.38	5.00%	80.00%	$ 0.31	$ 7.98	5.00%	98.00%	$ 0.39	5.00%	80.00%	$ 0.32	$ 10.92	5.00%	98.00%	$ 0.54	5.00%	80.00%	$ 0.44
Cut & Restore Asphalt	$ 9.27	8.00%	98.00%	$ 0.73	8.00%	80.00%	$ 0.59	$ 11.45	8.00%	98.00%	$ 0.90	8.00%	80.00%	$ 0.73	$ 13.28	8.00%	98.00%	$ 1.04	8.00%	80.00%	$ 0.85
Cut & Restore Concrete	$ 10.13	7.00%	98.00%	$ 0.69	7.00%	80.00%	$ 0.57	$ 12.30	7.00%	98.00%	$ 0.84	7.00%	80.00%	$ 0.69	$ 13.97	7.00%	98.00%	$ 0.96	7.00%	80.00%	$ 0.78
Cut & Restore Sod	$ 4.25	10.00%	98.00%	$ 0.42	10.00%	80.00%	$ 0.34	$ 5.09	10.00%	98.00%	$ 0.50	10.00%	80.00%	$ 0.41	$ 6.76	10.00%	98.00%	$ 0.66	10.00%	80.00%	$ 0.54
Total Buried Cost per Foot		100.00%		$ 4.11	100.00%		$ 3.54		100.00%		$ 5.40	100.00%		$ 4.52		100.00%		$ 7.33	100.00%		$ 5.84

	Aerial Normal							Aerial Soft Rock							Aerial Hard Rock						
	Feeder				Distribution			Feeder				Distribution			Feeder				Distribution		
Aerial Cable Installation	Cost	Installation Cost per Unit	% of Sharing	Weighted Amount	Installation Cost per Unit	% of Sharing	Weighted Amount	Installation Cost per Unit	% of Sharing	Weighted Amount		Installation Cost per Unit	% of Sharing	Weighted Amount	Installation Cost per Unit	% of Sharing	Weighted Amount		Installation Cost per Unit	% of Sharing	Weighted Amount
Poles	$ 368.17	$ 358.58	67.00%	486.92	$ 358.58	67.00%	486.92	$ 458.58	67.00%	553.92		$ 458.58	67.00%	553.92	$ 558.58	67.00%	620.92		$ 558.58	67.00%	620.92
Anchors and Guys	$ 68.00	$ 255.00	100.00%	53.83	$ 255.00	100.00%	53.83	$ 285.00	100.00%	58.83		$ 285.00	100.00%	58.83	$ 310.00	100.00%	63.00		$ 310.00	100.00%	63.00
Total Aerial Cost per Pole				$ 540.76			$ 540.76			$ 612.76				$ 612.76			$ 683.92				$ 683.92

	Density Group 500-2000																							
	Underground Normal							Underground Soft Rock							Underground Hard Rock									
Density Group 500-2000	Install	Feeder			Distribution			Install	Feeder			Distribution			Install	Feeder			Distribution					
Conduit Installation	Cost per Unit	% of Activity	% Assigned Telephone	Weighted Amount	% of Activity	% Assigned Telephone	Weighted Amount	Cost per Unit	% of Activity	% Assigned Telephone	Weighted Amount	% of Activity	% Assigned Telephone	Weighted Amount	Cost per Unit	% of Activity	% Assigned Telephone	Weighted Amount	% of Activity	% Assigned Telephone	Weighted Amount			
Trench & Backfill	$ 2.69	27.00%	95.00%	$0.69	40.00%	80.00%	$0.86	$ 2.81	9.00%	95.00%	$0.24	8.00%	80.00%	$0.18	$ 3.98	0.00%	95.00%	$0.00	5.00%	80.00%	$0.16			
Rocky Trench	$ 4.83	0.00%	95.00%	$0.00	0.00%	80.00%	$0.00	$ 4.99	28.00%	95.00%	$1.33	30.00%	80.00%	$1.20	$ 6.68	45.00%	95.00%	$2.86	32.00%	80.00%	$1.71			
Backhoe Trench	$ 3.38	30.00%	95.00%	$0.96	7.00%	80.00%	$0.19	$ 3.57	20.00%	95.00%	$0.68	9.00%	80.00%	$0.26	$ 5.46	12.00%	95.00%	$0.62	10.00%	80.00%	$0.44			
Hand Dig Trench	$ 6.00	6.00%	95.00%	$0.34	6.00%	80.00%	$0.29	$ 6.28	6.00%	95.00%	$0.36	6.00%	80.00%	$0.30	$ 9.08	6.00%	95.00%	$0.52	6.00%	80.00%	$0.44			
Boring	$ 13.26	2.00%	95.00%	$0.25	2.00%	80.00%	$0.21	$ 13.66	2.00%	95.00%	$0.26	2.00%	80.00%	$0.22	$ 17.70	2.00%	95.00%	$0.34	2.00%	80.00%	$0.28			
Cut & Restore Asphalt	$ 9.45	13.00%	95.00%	$1.17	13.00%	80.00%	$0.98	$ 11.66	13.00%	95.00%	$1.44	13.00%	80.00%	$1.21	$ 13.69	13.00%	95.00%	$1.69	13.00%	80.00%	$1.42			
Cut & Restore Concrete	$ 10.30	12.00%	95.00%	$1.17	12.00%	80.00%	$0.99	$ 12.48	12.00%	95.00%	$1.42	12.00%	80.00%	$1.20	$ 14.35	12.00%	95.00%	$1.64	12.00%	80.00%	$1.38			
Cut & Restore Sod	$ 4.41	10.00%	95.00%	$0.42	20.00%	80.00%	$0.71	$ 5.28	10.00%	95.00%	$0.50	20.00%	80.00%	$0.84	$ 7.14	10.00%	95.00%	$0.68	20.00%	80.00%	$1.14			
Total Underground Cost per Foot		100.00%		$5.01	100.00%		$4.23		100.00%		$6.23	100.00%		$5.41		100.00%		$8.34	100.00%		$6.97			

	Buried Normal							Buried Soft Rock							Buried Hard Rock									
	Install	Feeder			Distribution			Install	Feeder			Distribution			Install	Feeder			Distribution					
Buried Cable Installation	Cost	% of Activity	% Assigned Telephone	Weighted Amount	% of Activity	% Assigned Telephone	Weighted Amount	Cost	% of Activity	% Assigned Telephone	Weighted Amount	% of Activity	% Assigned Telephone	Weighted Amount	Cost	% Assigned Telephone	% of Sharing	Weighted Amount	% of Activity	% Assigned Telephone	Weighted Amount			
Plow	$ 1.22	15.00%	100.00%	$ 0.18	20.00%	100.00%	$ 0.24	$ 1.24	3.00%	100.00%	$ 0.04	2.00%	100.00%	$ 0.02	$ 1.48	0.00%	100.00%	$ -	0.00%	100.00%	$ -			
Rocky Plow	$ 1.51	0.00%	100.00%	$ -	0.00%	100.00%	$ -	$ 1.54	3.00%	100.00%	$ 0.05	2.00%	100.00%	$ 0.03	$ 1.93	3.00%	100.00%	$ 0.06	3.00%	100.00%	$ 0.06			
Trench & Backfill	$ 2.69	26.00%	95.00%	$ 0.66	20.00%	80.00%	$ 0.43	$ 2.81	15.00%	95.00%	$ 0.40	5.00%	80.00%	$ 0.11	$ 3.98	0.00%	95.00%	$ -	0.00%	80.00%	$ -			
Rocky Trench	$ 4.83	0.00%	95.00%	$ -	0.00%	80.00%	$ -	$ 4.99	25.00%	95.00%	$ 1.19	25.00%	80.00%	$ 1.00	$ 6.68	35.00%	95.00%	$ 2.22	27.00%	80.00%	$ 1.44			
Backhoe Trench	$ 3.38	11.00%	95.00%	$ 0.35	2.00%	80.00%	$ 0.05	$ 3.57	6.00%	95.00%	$ 0.20	8.00%	80.00%	$ 0.23	$ 5.46	14.00%	95.00%	$ 0.73	12.00%	80.00%	$ 0.52			
Hand Dig Trench	$ 6.00	6.00%	95.00%	$ 0.34	6.00%	80.00%	$ 0.29	$ 6.28	6.00%	95.00%	$ 0.36	6.00%	80.00%	$ 0.30	$ 9.08	6.00%	95.00%	$ 0.52	6.00%	80.00%	$ 0.44			
Bore Cable	$ 13.26	2.00%	95.00%	$ 0.25	2.00%	80.00%	$ 0.21	$ 13.66	2.00%	95.00%	$ 0.26	2.00%	80.00%	$ 0.22	$ 17.70	2.00%	95.00%	$ 0.34	2.00%	80.00%	$ 0.28			
Push Pipe & Pull Cable	$ 7.98	5.00%	95.00%	$ 0.38	5.00%	80.00%	$ 0.32	$ 8.31	5.00%	95.00%	$ 0.39	5.00%	80.00%	$ 0.33	$ 11.57	5.00%	95.00%	$ 0.55	5.00%	80.00%	$ 0.46			
Cut & Restore Asphalt	$ 9.45	13.00%	95.00%	$ 1.17	13.00%	80.00%	$ 0.98	$ 11.66	13.00%	95.00%	$ 1.44	13.00%	80.00%	$ 1.21	$ 13.69	13.00%	95.00%	$ 1.69	13.00%	80.00%	$ 1.42			
Cut & Restore Concrete	$ 10.30	12.00%	95.00%	$ 1.17	12.00%	80.00%	$ 0.99	$ 12.48	12.00%	95.00%	$ 1.42	12.00%	80.00%	$ 1.20	$ 14.35	12.00%	95.00%	$ 1.64	12.00%	80.00%	$ 1.38			
Cut & Restore Sod	$ 4.41	10.00%	95.00%	$ 0.42	20.00%	80.00%	$ 0.71	$ 5.28	10.00%	95.00%	$ 0.50	20.00%	80.00%	$ 0.84	$ 7.14	10.00%	95.00%	$ 0.68	20.00%	80.00%	$ 1.14			
Total Buried Cost per Foot		100.00%		$ 4.93	100.00%		$ 4.23		100.00%		$ 6.25	100.00%		$ 5.50		100.00%		$ 8.41	100.00%		$ 7.15			

	Aerial Normal							Aerial Soft Rock							Aerial Hard Rock									
	Feeder				Distribution			Feeder				Distribution			Feeder				Distribution					
Aerial Cable Installation	Cost	Installation Cost per Unit	% of Sharing	Weighted Amount	Installation Cost per Unit	% of Sharing	Weighted Amount	Installation Cost per Unit	% of Sharing	Weighted Amount		Installation Cost per Unit	% of Sharing	Weighted Amount	Installation Cost per Unit	% of Sharing	Weighted Amount		Installation Cost per Unit	% of Sharing	Weighted Amount			
Poles	$ 368.17	$ 358.58	67.00%	486.92	$ 358.58	67.00%	486.92	$ 458.58	67.00%	553.92		$ 458.58	67.00%	553.92	$ 558.58	67.00%	620.92		$ 558.58	67.00%	620.92			
Anchors and Guys	$ 68.00	$ 255.00	100.00%	48.45	$ 255.00	100.00%	48.45	$ 285.00	100.00%	52.95		$ 285.00	100.00%	52.95	$ 310.00	100.00%	56.70		$ 310.00	100.00%	56.70			
Total Aerial Cost per Pole				$ 535.37			$ 535.37			$ 606.87				$ 606.87			$ 677.62				$ 677.62			

	Density Group 2001-5000																					
	Underground Normal							Underground Soft Rock							Underground Hard Rock							
Density Group 2001-5000	Install	Feeder			Distribution			Install	Feeder			Distribution			Install	Feeder			Distribution			
Conduit Installation	Cost per Unit	% of Activity	% Assigned Telephone	Weighted Amount	% of Activity	% Assigned Telephone	Weighted Amount	Cost per Unit	% of Activity	% Assigned Telephone	Weighted Amount	% of Activity	% Assigned Telephone	Weighted Amount	Cost per Unit	% of Activity	% Assigned Telephone	Weighted Amount	% of Activity	% Assigned Telephone	Weighted Amount
Trench & Backfill	$ 2.80	5.00%	95.00%	$0.13	5.00%	80.00%	$0.11	$ 2.93	2.00%	95.00%	$0.06	2.00%	80.00%	$0.05	$ 4.21	0.00%	95.00%	$0.00	0.00%	80.00%	$0.00
Rocky Trench	$ 4.98	0.00%	95.00%	$0.00	0.00%	80.00%	$0.00	$ 5.16	5.00%	95.00%	$0.25	5.00%	80.00%	$0.21	$ 7.01	15.00%	95.00%	$1.00	14.00%	80.00%	$0.79
Backhoe Trench	$ 3.55	20.00%	95.00%	$0.67	19.00%	80.00%	$0.54	$ 3.76	18.00%	95.00%	$0.64	17.00%	80.00%	$0.51	$ 5.84	10.00%	95.00%	$0.55	10.00%	80.00%	$0.47
Hand Dig Trench	$ 6.25	8.00%	95.00%	$0.48	8.00%	80.00%	$0.40	$ 6.56	8.00%	95.00%	$0.50	8.00%	80.00%	$0.42	$ 9.64	8.00%	95.00%	$0.73	8.00%	80.00%	$0.62
Boring	$ 13.62	15.00%	95.00%	$1.94	15.00%	80.00%	$1.63	$ 14.07	15.00%	95.00%	$2.00	15.00%	80.00%	$1.69	$ 18.51	15.00%	95.00%	$2.64	15.00%	80.00%	$2.22
Cut & Restore Asphalt	$ 9.64	25.00%	95.00%	$2.29	25.00%	80.00%	$1.93	$ 11.86	25.00%	95.00%	$2.82	25.00%	80.00%	$2.37	$ 14.10	25.00%	95.00%	$3.35	25.00%	80.00%	$2.82
Cut & Restore Concrete	$ 10.46	20.00%	95.00%	$1.99	20.00%	80.00%	$1.67	$ 12.67	20.00%	95.00%	$2.41	20.00%	80.00%	$2.03	$ 14.72	20.00%	95.00%	$2.80	20.00%	80.00%	$2.36
Cut & Restore Sod	$ 4.59	7.00%	95.00%	$0.31	8.00%	80.00%	$0.29	$ 5.47	7.00%	95.00%	$0.36	8.00%	80.00%	$0.35	$ 7.50	7.00%	95.00%	$0.50	8.00%	80.00%	$0.48
Total Underground Cost per Foot		100.00%		$7.81	100.00%		$6.58		100.00%		$9.04	100.00%		$7.62		100.00%		$11.57	100.00%		$9.75

	Buried Normal							Buried Soft Rock							Buried Hard Rock							
	Install	Feeder			Distribution			Install	Feeder			Distribution			Install	Feeder			Distribution			
Buried Cable Installation	Cost	% of Activity	% Assigned Telephone	Weighted Amount	% of Activity	% Assigned Telephone	Weighted Amount	Cost	% of Activity	% Assigned Telephone	Weighted Amount	% of Activity	% Assigned Telephone	Weighted Amount	Cost	% Assigned Telephone	% of Sharing	Weighted Amount	% of Activity	% Assigned Telephone	Weighted Amount
Plow	$ 1.24	0.00%	100.00%	$ -	0.00%	100.00%	$ -	$ 1.27	0.00%	100.00%	$ -	0.00%	100.00%	$ -	$ 1.52	0.00%	100.00%	$ -	0.00%	100.00%	$ -
Rocky Plow	$ 1.54	0.00%	100.00%	$ -	0.00%	100.00%	$ -	$ 1.58	0.00%	100.00%	$ -	0.00%	100.00%	$ -	$ 2.00	0.00%	100.00%	$ -	0.00%	100.00%	$ -
Trench & Backfill	$ 2.80	5.00%	95.00%	$ 0.13	5.00%	80.00%	$ 0.11	$ 2.93	2.00%	95.00%	$ 0.06	2.00%	80.00%	$ 0.05	$ 4.21	0.00%	95.00%	$ -	0.00%	80.00%	$ -
Rocky Trench	$ 4.98	0.00%	95.00%	$ -	0.00%	80.00%	$ -	$ 5.16	5.00%	95.00%	$ 0.25	5.00%	80.00%	$ 0.21	$ 7.01	15.00%	95.00%	$ 1.00	14.00%	80.00%	$ 0.79
Backhoe Trench	$ 3.55	20.00%	95.00%	$ 0.67	19.00%	80.00%	$ 0.54	$ 3.76	18.00%	95.00%	$ 0.64	17.00%	80.00%	$ 0.51	$ 5.84	10.00%	95.00%	$ 0.55	10.00%	80.00%	$ 0.47
Hand Dig Trench	$ 6.25	8.00%	95.00%	$ 0.48	8.00%	80.00%	$ 0.40	$ 6.56	8.00%	95.00%	$ 0.50	8.00%	80.00%	$ 0.42	$ 9.64	8.00%	95.00%	$ 0.73	8.00%	80.00%	$ 0.62
Bore Cable	$ 13.62	15.00%	95.00%	$ 1.94	15.00%	80.00%	$ 1.63	$ 14.07	15.00%	95.00%	$ 2.00	15.00%	80.00%	$ 1.69	$ 18.51	15.00%	95.00%	$ 2.64	15.00%	80.00%	$ 2.22
Push Pipe & Pull Cable	$ 8.27	0.00%	95.00%	$ -	0.00%	80.00%	$ -	$ 8.63	0.00%	95.00%	$ -	0.00%	80.00%	$ -	$ 12.23	0.00%	95.00%	$ -	0.00%	80.00%	$ -
Cut & Restore Asphalt	$ 9.64	25.00%	95.00%	$ 2.29	25.00%	80.00%	$ 1.93	$ 11.86	25.00%	95.00%	$ 2.82	25.00%	80.00%	$ 2.37	$ 14.10	25.00%	95.00%	$ 3.35	25.00%	80.00%	$ 2.82
Cut & Restore Concrete	$ 10.46	20.00%	95.00%	$ 1.99	20.00%	80.00%	$ 1.67	$ 12.67	20.00%	95.00%	$ 2.41	20.00%	80.00%	$ 2.03	$ 14.72	20.00%	95.00%	$ 2.80	20.00%	80.00%	$ 2.36
Cut & Restore Sod	$ 4.59	7.00%	95.00%	$ 0.31	8.00%	80.00%	$ 0.29	$ 5.47	7.00%	95.00%	$ 0.36	8.00%	80.00%	$ 0.35	$ 7.50	7.00%	95.00%	$ 0.50	8.00%	80.00%	$ 0.48
Total Buried Cost per Foot		100.00%		$ 7.81	100.00%		$ 6.58		100.00%		$ 9.04	100.00%		$ 7.62		100.00%		$ 11.57	100.00%		$ 9.75

	Aerial Normal							Aerial Soft Rock							Aerial Hard Rock						
	Feeder			Distribution				Feeder			Distribution				Feeder			Distribution			
Aerial Cable Installation	Cost	Installation Cost per Unit	% of Sharing	Weighted Amount	Installation Cost per Unit	% of Sharing	Weighted Amount	Installation Cost per Unit	% of Sharing	Weighted Amount	Installation Cost per Unit	% of Sharing	Weighted Amount		Installation Cost per Unit	% of Sharing	Weighted Amount	Installation Cost per Unit	% of Sharing	Weighted Amount	
Poles	$ 368.17	$ 358.58	67.00%	486.92	$ 358.58	67.00%	486.92	$ 458.58	67.00%	553.92	$ 458.58	67.00%	553.92		$ 558.58	67.00%	620.92	$ 558.58	67.00%	620.92	
Anchors and Guys	$ 68.00	$ 255.00	100.00%	96.90	$ 255.00	100.00%	96.90	$ 285.00	100.00%	105.90	$ 285.00	100.00%	105.90		$ 310.00	100.00%	113.40	$ 310.00	100.00%	113.40	
Total Aerial Cost per Pole				$ 583.82			$ 583.82			$ 659.82			$ 659.82				$ 734.32			$ 734.32	

Density Group >5001	Underground Normal							Underground Soft Rock							Underground Hard Rock						
	Install	Feeder			Distribution			Install	Feeder			Distribution			Install	Feeder			Distribution		
ndout Installation	Cost per Unit	% of Activity	% Assigned Telephone	Weighted Amount	% of Activity	% Assigned Telephone	Weighted Amount	Cost per Unit	% of Activity	% Assigned Telephone	Weighted Amount	% of Activity	% Assigned Telephone	Weighted Amount	Cost per Unit	% of Activity	% Assigned Telephone	Weighted Amount	% of Activity	% Assigned Telephone	Weighted Amount
rench & Backfill	$ 2.86	3.00%	95.00%	$0.08	3.00%	80.00%	$0.07	$ 2.99	0.00%	95.00%	$0.00	0.00%	80.00%	$0.00	$ 4.33	0.00%	95.00%	$0.00	0.00%	80.00%	$0.00
ocky Trench	$ 5.06	0.00%	95.00%	$0.00	0.00%	80.00%	$0.00	$ 5.25	6.00%	95.00%	$0.30	6.00%	80.00%	$0.25	$ 7.18	10.00%	95.00%	$0.68	10.00%	80.00%	$0.57
ackhoe Trench	$ 3.64	15.00%	95.00%	$0.52	15.00%	80.00%	$0.44	$ 3.85	12.00%	95.00%	$0.44	12.00%	80.00%	$0.37	$ 6.03	8.00%	95.00%	$0.46	8.00%	80.00%	$0.39
and Dig Trench	$ 6.39	8.00%	95.00%	$0.49	8.00%	80.00%	$0.41	$ 6.70	8.00%	95.00%	$0.51	8.00%	80.00%	$0.43	$ 9.93	8.00%	95.00%	$0.75	8.00%	80.00%	$0.64
oring	$ 13.82	10.00%	95.00%	$1.31	10.00%	80.00%	$1.11	$ 14.27	10.00%	95.00%	$1.36	10.00%	80.00%	$1.14	$ 18.92	10.00%	95.00%	$1.80	10.00%	80.00%	$1.51
ut & Restore Asphalt	$ 9.74	33.00%	95.00%	$3.05	33.00%	80.00%	$2.57	$ 11.96	33.00%	95.00%	$3.75	33.00%	80.00%	$3.16	$ 14.30	33.00%	95.00%	$4.48	33.00%	80.00%	$3.78
ut & Restore Concrete	$ 10.56	28.00%	95.00%	$2.81	28.00%	80.00%	$2.37	$ 12.76	28.00%	95.00%	$3.39	28.00%	80.00%	$2.86	$ 14.91	28.00%	95.00%	$3.97	28.00%	80.00%	$3.34
ut & Restore Sod	$ 4.68	3.00%	95.00%	$0.13	3.00%	80.00%	$0.11	$ 5.57	3.00%	95.00%	$0.16	3.00%	80.00%	$0.13	$ 7.70	3.00%	95.00%	$0.22	3.00%	80.00%	$0.18
Total Underground Cost per Foot		100.00%		$8.39	100.00%		$7.07		100.00%		$9.91	100.00%		$8.34		100.00%		$12.36	100.00%		$10.41

Buried Cable Installation	Buried Normal							Buried Soft Rock							Buried Hard Rock						
	Install	Feeder			Distribution			Install	Feeder			Distribution			Install	Feeder			Distribution		
	Cost	% of Activity	% Assigned Telephone	Weighted Amount	% of Activity	% Assigned Telephone	Weighted Amount	Cost	% of Activity	% Assigned Telephone	Weighted Amount	% of Activity	% Assigned Telephone	Weighted Amount	Cost	% Assigned Telephone	% of Sharing	Weighted Amount	% of Activity	% Assigned Telephone	Weighted Amount
Plow	$ 1.25	0.00%	100.00%	$ -	0.00%	100.00%	$ -	$ 1.28	0.00%	100.00%	$ -	0.00%	100.00%	$ -	$ 1.55	0.00%	100.00%	$ -	0.00%	100.00%	$ -
Rocky Plow	$ 1.56	0.00%	100.00%	$ -	0.00%	100.00%	$ -	$ 1.60	0.00%	100.00%	$ -	0.00%	100.00%	$ -	$ 2.04	0.00%	100.00%	$ -	0.00%	100.00%	$ -
Trench & Backfill	$ 2.86	3.00%	95.00%	$ 0.08	3.00%	80.00%	$ 0.07	$ 2.99	0.00%	95.00%	$ -	0.00%	80.00%	$ -	$ 4.33	0.00%	95.00%	$ -	0.00%	80.00%	$ -
Rocky Trench	$ 5.06	0.00%	95.00%	$ -	0.00%	80.00%	$ -	$ 5.25	6.00%	95.00%	$ 0.30	6.00%	80.00%	$ 0.25	$ 7.18	10.00%	95.00%	$ 0.68	10.00%	80.00%	$ 0.57
Backhoe Trench	$ 3.64	15.00%	95.00%	$ 0.52	15.00%	80.00%	$ 0.44	$ 3.85	12.00%	95.00%	$ 0.44	12.00%	80.00%	$ 0.37	$ 6.03	8.00%	95.00%	$ 0.46	8.00%	80.00%	$ 0.39
Hand Dig Trench	$ 6.39	8.00%	95.00%	$ 0.49	8.00%	80.00%	$ 0.41	$ 6.70	8.00%	95.00%	$ 0.51	8.00%	80.00%	$ 0.43	$ 9.93	8.00%	95.00%	$ 0.75	8.00%	80.00%	$ 0.64
Bore Cable	$ 13.82	10.00%	95.00%	$ 1.31	10.00%	80.00%	$ 1.11	$ 14.27	10.00%	95.00%	$ 1.36	10.00%	80.00%	$ 1.14	$ 18.92	10.00%	95.00%	$ 1.80	10.00%	80.00%	$ 1.51
Push Pipe & Pull Cable	$ 8.44	0.00%	95.00%	$ -	0.00%	80.00%	$ -	$ 8.80	0.00%	95.00%	$ -	0.00%	80.00%	$ -	$ 12.53	0.00%	95.00%	$ -	0.00%	80.00%	$ -
Cut & Restore Asphalt	$ 9.74	33.00%	95.00%	$ 3.05	33.00%	80.00%	$ 2.57	$ 11.96	33.00%	95.00%	$ 3.75	33.00%	80.00%	$ 3.16	$ 14.30	33.00%	95.00%	$ 4.48	33.00%	80.00%	$ 3.78
Cut & Restore Concrete	$ 10.56	28.00%	95.00%	$ 2.81	28.00%	80.00%	$ 2.37	$ 12.76	28.00%	95.00%	$ 3.39	28.00%	80.00%	$ 2.86	$ 14.91	28.00%	95.00%	$ 3.97	28.00%	80.00%	$ 3.34
Cut & Restore Sod	$ 4.68	3.00%	95.00%	$ 0.13	3.00%	80.00%	$ 0.11	$ 5.57	3.00%	95.00%	$ 0.16	3.00%	80.00%	$ 0.13	$ 7.70	3.00%	95.00%	$ 0.22	3.00%	80.00%	$ 0.18
Total Buried Cost per Foot		100.00%		$ 8.39	100.00%		$ 7.07		100.00%		$ 9.91	100.00%		$ 8.34		100.00%		$ 12.36	100.00%		$ 10.41

Aerial Cable Installation	Aerial Normal							Aerial Soft Rock							Aerial Hard Rock						
		Feeder			Distribution			Feeder			Distribution				Feeder			Distribution			
	Cost	Installation Cost per Unit	% of Sharing	Weighted Amount	Installation Cost per Unit	% of Sharing	Weighted Amount	Installation Cost per Unit	% of Sharing	Weighted Amount	Installation Cost per Unit	% of Sharing	Weighted Amount		Installation Cost per Unit	% of Sharing	Weighted Amount	Installation Cost per Unit	% of Sharing	Weighted Amount	
Poles	$ 368.17	$ 358.58	67.00%	486.92	$ 358.58	67.00%	486.92	$ 458.58	67.00%	553.92	$ 458.58	67.00%	553.92		$ 558.58	67.00%	620.92	$ 558.58	67.00%	620.92	
Anchors and Guys	$ 68.00	$ 255.00	100.00%	96.90	$ 255.00	100.00%	96.90	$ 285.00	100.00%	105.90	$ 285.00	100.00%	105.90		$ 310.00	100.00%	113.40	$ 310.00	100.00%	113.40	
Total Aerial Cost per Pole				$ 583.82			$ 583.82			$ 659.82			$ 659.82				$ 734.32			$ 734.32	