ormalStructure	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

oftRockStructure	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	5.86	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

Density Group 0-10	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	$ 2.27	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		$ 358.58	67.00%	620.92	$ 358.58	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																							
	Underground Normal							Underground Soft Rock							Underground Hard Rock									
Density Group 11-50	Install	Feeder			Distribution			Install	Feeder			Distribution			Install	Feeder			Distribution					
onduit 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	$ 2.38	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			
ocky 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			
ackhoe 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			
and 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			
oring	$ 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			
ut & 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			
ut & 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			
ut & 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			
otal 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			
low	$ 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%	$ -			
ocky 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			
rench & 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			
ocky 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			
ackhoe 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			
and 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			
ore 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			
ush 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			
ut & 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			
ut & 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			
ut & 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			
otal 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			
oles	$ 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			
nchors 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			
otal Aerial Cost per Pole				$ 540.76			$ 540.75			$ 612.76			$ 612.76				$ 683.92				$ 683.92			

	Density Group 51-150																							
	Underground Normal							Underground Soft Rock							Underground Hard Rock									
Density Group 51-150	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%	$ -	8.00%	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		$ 358.58	67.00%	620.92	$ 358.58	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

Density Group >5001	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	$ 2.86	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
Rocky 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
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
Boring	$ 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
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 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 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	$ 1.25	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%	$ -	$ 12.55	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 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	

Fixed Tables

Miscellaneous Calculations

Variable	Value	Description
DLC-SDiscount	100.00%	AFC Pricing ratio after Discount
DLC-LDiscount	100.00%	SLC Pricing ratio after Discount
FiberCostRatio	100.00%	Fiber cable cost factor
CopperCostRatio	100.00%	Copper Cable Cost factor
SwitchingCostRatio	100.00%	Digital Switching cost ratio after discount
LoopInvCap	$10,000	Loop Investment Cap Expense
Breakpoint	12,000	Fiber/Copper breakpoint in feet

SurfaceTextureTable

Texture	Impact?	Description of Texture
	0	Blank
BY	1	Bouldery
BY-COS	1	Bouldery Course Sand
BY-FSL	1	Bouldery & Fine Sandy Loam
BY-L	1	Bouldery & Loam
BY-LS	1	Bouldery & Sandy Loam
BY-SICL	1	Bouldery & Silty Clay Loam
BY-SL	1	Bouldery & Sandy Loam
BYV	1	Very Bouldery
BYV-FSL	1	Very Bouldery & Fine Sandy Loam
BYV-L	1	Very bouldery & Loamy
BYV-LS	1	Very Bouldery & Loamy Sand
BYV-SIL	1	Very Bouldery & Silt
BYV-SL	1	Very Bouldery & Sandy Loam
BYX	1	Extremely Bouldery
BYX-FSL	1	Extremely Bouldery & Fine Sandy Loam
BYX-L	1	Extremely Bouldery & Loamy
BYX-SIL	1	Extremely Bouldery & Silt Loam
BYX-SL	1	Extremely Bouldery & Sandy Loam
C	0	Clay
CB	0	Cobbly
CBA	1	Angular Cobbly
CBA-FSL	1	Angular Cobbly & Fine Sandy Loam
CB-C	0	Cobbly & Clay
CB-CL	0	Cobbly & Clay Loam
CB-COSL	0	Cobbly & Coarse Sandy Loam
CB-FS	0	Cobbly & Fine Sand
CB-FSL	0	Cobbly & Fine Sandy Loam
CB-L	0	Cobbly & Loamy
CB-LCOS	0	Cobbly & Loamy CourseSand
CB-LS	0	Cobbly & Loamy Sand
CB-S	0	Cobbly & Sand
CB-SCL	0	Cobbly & Sandy Clay Loam

CB-SICL	0	Cobbly & Silty Clay Loam
CB-SIL	0	Cobbly & Silt Loam
CB-SL	1	Cobbly & Sandy Loam
CBV	1	Very Cobbly
CBV-C	1	Very Cobbly & Clay
CBV-CL	1	Very Cobbly & Clay Loam
CBV-FSL	1	Very Cobbly & Fine Sandy Loam
CBV-L	1	Very Cobbly & Loamy
CBV-LFS	1	Very Cobbly & Fine Loamy Sand
CBV-LS	1	Very Cobbly & Loamy Sand
CBV-MUCK	1	Very Cobbly & Muck
CBV-SCL	1	Very Cobbly & Sandy Clay Loam
CBV-SIL	1	Very Cobbly & Silt
CBV-SL	1	Very Cobbly & Sandy Loam
CBV-VFS	1	Very Cobbly & Very Fine Sand
CBX	1	Extremely Cobbly
CBX-L	1	Extremely Cobbly Loam
CBX-CL	1	Extremely Cobbly & Clay
CBX-SIL	1	Extremely Cobbly & Silt
CBX-SL	1	Extremely Cobbly &Sandy Loam
CBX-VFSL	1	Extremely Cobbly Very Fine Sandy Loam
CE	0	Coprogenous Earth
CIND	0	Cinders
CL	0	Clay Loam
CM	1	Cemented
CN	0	Channery
CN-CL	0	Channery & Clay Loam
CN-FSL	0	Channery & Fine Sandy Loam
CN-L	0	Channery & Loam
CN-SICL	0	Channery & Silty Clay Loam
CN-SIL	0	Channery & Silty Loam
CN-SL	0	Channery & Sandy Loam
CNV	0	Very Channery
CNV-CL	0	Very Channery & Clay
CNV-L	0	Very Channery & Loam
CNV-SCL	0	Channery & Sandy Clay Loam
CNV-SIL	0	Very Channery & Silty Loam
CNV-SL	0	Very Channery & Sandy Loam
CNX	0	Extremely Channery
CNX-SL	0	Extremely Channery & Sandy Loam
COS	0	Coarse Sand
COSL	0	Coarse Sandy Loam
CR	0	Cherty
CRC	1	Coarse Cherty
CR-L	1	Cherty & Loam
CR-SICL	1	Cherty & Silty Clay Loam
CR-SIL	1	Cherty & Silty Loam
CR-SL	1	Cherty & Sandy Loam
CRV	1	Very Cherty

CRV-L	1	Very Cherty & Loam
CRV-SIL	1	Very Cherty & Silty Loam
CRX	1	Extremely Cherty
CRX-SIL	1	Extremely Cherty & Silty Loam
DE	0	Diotomaceous Earth
FB	0	Fibric Material
FINE	0	Fine
FL	0	Flaggy
FL-FSL	0	Flaggy & Fine Sandy Loam
FL-L	0	Flaggy & Loam
FL-SIC	0	Flaggy & Silty Clay
FL-SICL	0	Flaggy & Silty Clay Loam
FL-SIL	0	Flaggy & Silty Loam
FL-SL	0	Flaggy & Sandy Loam
FLV	1	Very Flaggy
FLV-COSL	1	Very Flaggy & Coarse Sandy Loam
FLV-L	1	Very Flaggy & Loam
FLV-SICL	1	Very Flaggy & Silty Clay Loam
FLV-SL	1	Very Flaggy & Sandy Loam
FLX	1	Extremely Flaggy
FLX-L	1	Extremely Flaggy & Loamy
FRAG	0	Fragmental Material
FS	0	Fine Sand
FSL	0	Fine Sandy Loam
G	0	Gravel
GR	0	Gravelly
GRC	0	Course Gravelly
GR-C	0	Gravel & Clay
GR-CL	0	Gravel & Clay Loam
GR-COS	0	Gravel & Course Sand
GR-COSL	0	Gravel & Coarse Sandy Loam
GRF	0	Fine Gravel
GRF-SIL	0	Fine Gravel Silty Loam
GR-FS	0	Gravel & Fine Sand
GR-FSL	0	Gravel & Fine Sandy Loam
GR-L	0	Gravel & Loam
GR-LCOS	0	Gravel & Loamy Course Sand
GR-LFS	0	Gravel & Loamy Fine Sand
GR-LS	0	Gravel & Loamy Sand
GR-MUCK	0	Gravel & Muck
GR-S	0	Gravel & Sand
GR-SCL	0	Gravel & Sandy Clay Loam
GR-SIC	0	Gravel & Silty Clay
GR-SICL	0	Gravel & Silty Clay Loam
GR-SIL	0	Gravel & Silty Loam
GR-SL	0	Gravel & Sandy Loam
GR-VFSL	0	Gravel & Very Fine Sandy Loam
GRV	1	Very Gravelly
GRV-CL	1	Very gravelly & Clay Loam

GRV-COS	1	Very Gravelly & Course Sand
GRV-COSL	1	Very Gravelly & Course Sandy Loam
GRV-FSL	1	Very Gravelly & Fine Sandy Loam
GRV-L	1	Very Gravelly & Loam
GRV-LCOS	1	Very Gravelly & Loamy Course Sand
GRV-LS	1	Very Gravelly & Loamy Sand
GRV-S	1	Very Gravelly & Sand
GRV-SCL	1	Very Gravelly & Sandy Clay Loam
GRV-SICL	1	Very Gravelly & Silty Clay Loam
GRV-SIL	1	Very Gravelly & Silt
GRV-SL	1	Very Gravelly & Sandy Loam
GRV-VFS	1	Very Gravelly & Very Fine Sand
GRV-VFSL	1	Very Gravelly & Very Fine Sandy Loam
GRX	1	Extremely Gravelly
GRX-CL	1	Extremely Gravelly & Coarse Loam
GRX-COS	1	Extremely Gravelly & Coarse Sand
GRX-COSL	1	Extremely Gravelly & Coarse Sandy Loam
GRX-FSL	1	Extremely Gravelly & Fine Sand Loam
GRX-L	1	Extremely Gravelly & Loam
GRX-LCOS	1	Extremely Gravelly & Loamy Coarse
GRX-LS	1	Extremely Gravelly & Loamy Sand
GRX-S	1	Extremely Gravelly & Sand
GRX-SIL	1	Extremely Gravelly & Silty Loam
GRX-SL	1	Extremely Gravelly & Sandy Loam
GYP	1	Gypsiferous Material
HM	0	Hemic Material
ICE	1	Ice or Frozen Soil
IND	1	Indurated
L	0	Loam
LCOS	0	Loamy Course Sand
LFS	0	Loamy Fine Sand
LS	0	Loamy Sand
LVFS	0	Loamy Very Fine Sand
MARL	0	Marl
MEDIUM COURSE	0	Medium Course
MK	0	Mucky
MK-C	0	Mucky Clay
MK-CL	0	Mucky Clay Loam
MK-FS	0	Muck & Fine Sand
MK-FSL	0	Muck & Fine Sandy Loam
MK-L	0	Mucky Loam
MK-LFS	0	Mucky Loamy Fine Sand
MK-LS	0	Mucky Loamy Sand
MK-S	0	Muck & Sand
MK-SI	0	Mucky & Silty
MK-SICL	0	Mucky & Silty Clay Loam
MK-SIL	0	Mucky Silt
MK-SL	0	Mucky & Sandy Loam
MK-VFSL	0	Mucky & Very Fine Sandy Loam

MPT	0	Mucky Peat
MUCK	0	Muck
PEAT	0	Peat
PT	0	Peaty
RB	1	Rubbly
RB-FSL	1	Rubbly Fine Sandy Loam
S	0	Sand
SC	0	Sandy Clay
SCL	0	Sandy Clay Loam
SG	0	Sand & Gravel
SH	0	Shaly
SH-CL	0	Shaly & Clay
SH-L	0	Shale & Loam
SH-SICL	0	Shaly & Silty Clay Loam
SH-SIL	0	Shaly & Silt Loam
SHV	1	Very Shaly
SHV-CL	1	Very Shaly & Clay Loam
SHX	1	Extremely Shaly
SI	0	Silt
SIC	0	Silty Clay
SICL	0	Silty Clay Loam
SIL	0	Silt Loam
SL	0	Sandy Loam
SP	0	Sapric Material
SR	0	Stratified
ST	0	Stony
ST-C	0	Stony & Clay
ST-CL	0	Stony & Clay Loam
ST-COSL	0	Stony & Course Sandy Loam
ST-FSL	0	Stony & Fine Sandy Loam
ST-L	0	Stony & Loamy
ST-LCOS	0	Stony & Loamy Course Sand
ST-LFS	0	Stony & Loamy Fine Sand
ST-LS	0	Stony & Loamy Sand
ST-SIC	0	Stony & Silty Clay
ST-SICL	0	Stony & Silty Clay Loam
ST-SIL	0	Stony & Silt Loam
ST-SL	0	Stony & Sandy Loam
ST-VFSL	0	Stony & Sandy Very Fine Silty Loam
STV	1	Very Stony
STV-C	1	Very Stony & Clay
STV-CL	1	Very Stony & Clay Loam
STV-VFSL	1	Very Stony & Very Fine Sandy Loam
STV-FSL	1	Very Stony & Fine Sandy Loam
STV-L	1	Very Stony & Loamy
STV-LFS	1	Very Stony & Loamy Fine Sand
STV-LS	1	Very Stony & Loamy Sand
STV-MPT	1	Very Stony & Mucky Peat
STV-MUCK	1	Very Stony & Muck

STV-SICL	1	Very Stony & Silty Clay Loam
STV-SIL	1	Very Stony & Silty Loam
STV-SL	1	Very Stony & Sandy Loam
STV-VFSL	1	Very Stony & Very Fine Sandy Loam
STX	1	Extremely Stony
STX-C	1	Extremely Stony & Clay
STX-CL	1	Extremely Stony & Clay Loam
STX-COS	1	Extremely Stony & Course Sand
STX-COSL	1	Extremely Stony & Course Sand Loam
STX-FSL	1	Extremely Stony & Fine Sandy Loam
STX-L	1	Extremely Stony & Loamy
STX-LCOS	1	Extremely Stony & Loamy Course Sand
STX-LS	1	Extremely Stony & Loamy Sand
STX-MUCK	1	Extremely Stony & Muck
STX-SIC	1	Extremely Stony & Silty Clay
STX-SICL	1	Extremely Stony & Silty Clay Loam
STX-SIL	1	Extremely Stony & Silty Loam
STX-SL	1	Extremely Stony & Sandy Loam
STX-VFSL	1	Extremely Stony & Very Fine Sandy Loam
SY	1	Slaty
SY-L	1	Slaty & Loam
SY-SIL	1	Slaty & Silty Loam
SYV	1	Very Slaty
SYX	1	Extremely Slaty
UNK	0	Unknown
UWB	1	Unweathered Bedrock
VAR	0	Variable
VFS	0	Very Fine Sand
VFSL	0	Very Fine Sandy loam
WB	1	Weathered Bedrock

FCC Data Request
Proxy Model Sponsors
December 12, 1996

Response to Questions 13 and 15

Cost Data Collected for the Benchmark Cost Proxy Model (BCPM)

The extensive expense input for the BCPM was requested from the industry on a study are basis in Class A format for ARMIS reporting companies and Class B format for all others.

The data request asked for a forward-looking expense per line for each Class A expense from Account 6111 through Account 6790; and Class B level for non-ARMIS companies. The expenses are defined as the total forward-looking loop costs including touchtone, a white page listing, and access to operator and emergency services.

The capital cost portion of the data request asked for:

Cost of Equity
Cost of Debt
Debt Ratio
Composite (Federal and State) Income Tax Factor
Gross Receipts Tax Factor
State Income Tax Factor

By primary plant account:
Depreciation Rates
Other Tax Rates (Ad Valorem, property, etc.)
Depreciable Asset Life (in years)
Cost of Removal
Salvage Value

These items were also to be forward-looking.

Computation of Weighted Average Cost Inputs to BCPM

The following companies have provided data. Selected data outliers were excluded:

Alltel	Ameritech
Bell Atlantic	Bell South
Pacific Bell	Pacific Telecom Inc.
Sprint LECs	U S West

The BCPM Expense Work Group developed the methods described below to compute nationwide average expense relationships for input the BCPM.

Expense Per Line Development

The weighted nationwide expense per line averages were computed at the Class B level of detail using 1995 USF loop counts from the original 1996 Annual USF Filing. A future enhancement will introduce small company multipliers to recognize their relatively higher expense per line.

Capital Cost Factor Development

The nationwide weighted averages for input to the Capital Cost Module were computed using ARMIS 43-03 1995 TPIS, Line 2001, amounts for companies filing ARMIS data and 1995 Cost Study TPIS results for Alltel and Pacific Telecom Inc. The weighted average Gross Receipts Tax was computed using Gross Revenue on the ARMIS 43-03, Line 530, Regulated Net Revenue, + Line 5300, Regulated Uncollectible Revenue for ARMIS reporting companies and the 1995 cost study revenue requirement for Alltel and PTI. In both cases, regulated and unseparated levels were used to obtain the weightings.

BCPM Expense Inputs

Following are the nationwide Expense Per Line defaults used in BCPM:

Account	Description	Amount
6110	Network Support Expense	$ 0.148794
6120	General Support Expense	$ 1.200445
6210	Central Office Switching Expense	$ 0.338671
6220	Operator Systems Expense	$ 0.008802
6230	Central Office Transmission Exp.	$ 0.231453
6310	Information Orig./Term Expense	$ 0.066888
6410	Cable & Wire Facilities Expense	$ 2.759393
6510	Other Property Plant & Equip. Exp.	$ 0.030168
6530	Network Operations Expense	$ 1.332774
6540	Access Expense	$ 0.000000
6610	Marketing Expense	$ 0.354032
6620	Services Expense	$ 2.421876
6710	Executive and Planning Expense	$ 0.136868
6720	General and Administrative Exp.	$ 2.145629
6790	Provision for Uncollectibles	$ 0.169785
	Monthly Weighted Total Expense	$ 11.222396
	Annual Weighted Total Expense	$134.668752

Following are the nationwide Capital Cost defaults used in BCPM:

Cost of Equity	13.1150%
Debt Ratio	32.8216%
Cost of Debt	7.8489%
Cost of Capital	11.3866%
Composite Tax Rate (FIT + SIT)	38.8423%
State Income Tax Rate	6.6979%
Gross Receipts Tax Rate	3.8677%

	Depr. Rate	Oth Tax Rate	Depr. Life	Cost of Removal	Salvage Value
Poles	7.5467%	0.8532%	30.05	92.3858%	3.2931%
Conduit	2.0949%	0.8532%	52.79	10.4324%	5.5086%
Undergrnd Copper	12.2923%	0.8532%	11.37	20.0057%	12.3972%
Aerial Copper	12.3826%	0.8532%	12.49	25.4753%	7.5531%
Buried Copper	9.3745%	0.8532%	14.10	7.4467%	1.1604%
Undergrnd Fiber	6.6710%	0.8532%	18.94	16.6145%	0.0224%
Aerial Fiber	10.0237%	0.8532%	18.92	21.1991%	-0.0386%
Buried Fiber	6.4329%	0.8532%	18.94	12.3508%	0.0506%
Pair Gain Equip.	14.8607%	0.8532%	8.06	1.1248%	2.4342%
Buildings	2.8588%	0.9939%	42.61	2.1861%	4.8761%
Land	0.0010%	0.9877%	99.00	99.9000%	100.0000%
Switching Equip	12.2548%	0.8532%	9.80	3.0860%	4.9665%
Circuit Equipment	14.8607%	0.8532%	8.46	3.1125%	2.4553%
Motor Vehicles	12.4144%	0.8532%	8.19	1.7836%	12.7471%
Special Purp. Veh.	10.7229%	0.8532%	10.04	0.9549%	22.6433%
Garage Work Eq.	9.2917%	0.8532%	12.10	0.5168%	3.1721%
Other Work Eq.	8.2906%	0.8532%	13.81	0.9974%	2.4784%
Furniture	6.1195%	0.8532%	16.09	0.4586%	3.0272%
Office Equip.	10.0292%	0.8532%	11.08	0.5156%	2.1693%
Gen'l Purp.Comp.	17.1647%	0.8532%	5.39	0.5156%	3.3170%

CERTIFICATE OF SERVICE

I, Melinda L. Mills, hereby certify that I have on this 7th day of January, 1997, sent via U.S. First Class Mail, postage prepaid, or Hand Delivery, a copy of the foregoing "Response to Public Notice of December 12, 1996, DA 96-2091, in the Matter of Federal-State Joint Board on Universal Service - Proxy Model Workshops on January 14-15, 1997, CC Docket No. 96-45, filed this date with the Acting Secretary, Federal Communications Commission, to the persons on the attached service list.

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