

### Appendix A - History of Quantities & Totals

Description	Units	2016 Actual Quantities	2016 Estimated Quantities	2015 Actual Quantities	2015 Estimated Quantities	2014 Actual Quantities	2014 Estimated Quantities	2013 Actual Quantities	2013 Estimated Quantities	2012 Actual Quantities	2012 Estimated Quantities	2011 Actual Quantities	2011 Estimated Quantities
Single Conduit - Trenching	metre	1077	800	941.5	800	1428	400	1157	400	1255	225	1451	400
Double Conduit - Trenching	metre	297	300	372	800	1208	400	788	400	572	225	2315	400
Single Conduit - Pushing	metre	3022.5	1500	2198	1500	1631	1500	1311	2000	2421	1250	2838	2250
Double Conduit - Pushing	metre	801	1200	943	1200	1435	1200	919	1500	1053	1500	2850	2500
Signal Pole Base - Type A (SD-310)	each	86	70	111	50	60	10	49	15	186	70	211	125
Signal Pole Base - Type G (SD-313)	each	1	10	8	5	65	40	100	70	0*	0*	0*	0*
Signal Pole Base - Type D (SD-312)	each	0*	0*	0	0	60	50	0	2	1	5	11	5
Signal Pole Base - Type OD (SD-312A)	each	113	50	78	50	0*	0*	0*	0*	0*	0*	0*	0*
Signal Pole Base - Type J (SD-314)	each	13	5	5	5	4	5	12	6	23	5	7	5
Signal Pole Base - Type L (SD-317)	each	8	5	8	5	4	5	7	2	0*	0*	0*	0*
Pedestal Base (SD-302)	each	5	10	8	5	12	5	16	10	2	4	1	4
Controller Base (SD-300)	each	12	10	10	10	13	10	10	10	13	5	17	5
Terminal Pedestal Base	each	0	5	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Service Box - Cast in Place (SD-320)	each	45	30	47	40	37	35	16	25	62	35	114	80
Service Box - Pre-Cast (SD-322)	each	9	15	22	10	31	10	7	5	21	5	10	6
Service Box - Pre-Cast 36"	each	0	5	5	5	22	10	41	45	0*	0*	0*	0*
Removal of Street Pavement	sq.metre	133.5	70	138	75	115	55	28	100	0*	0*	0*	0*
Removal of Miscellaneous Slabs	sq.metre	1318	500	1003	400	490	400	610	250	0*	0*	0*	0*
Excavate Pavement Material	sq.metre	0*	0*	0*	0*	0*	0*	0*	0*	269	75	437	150
Excavate Pavement for Repair	sq.metre	0*	0*	0*	0*	0*	0*	0*	0*	0	20	85	20
Excavate Soil Material	sq.metre	0*	0*	0*	0*	0*	0*	0*	0*	12	20	24	20
Excavate Soil for Repair	sq.metre	0*	0*	0*	0*	0*	0*	0*	0*	0	20	0	25
Soft Dig (Water Pressure/Vacuum System)	hours	342	225	295	100	252	80	197	80	255	85	239	150
Conduit - into Pole Base/Service Box	each	110	60	86	50	53	20	73	20	67	10	53	15
Conduit - into Manhole (MH)	each	0	5	0	5	0	5	1	3	0	3	0	3
Conduit - into Hydro Service Pedestal	each	0	5	0	5	1	5	1	12	0*	0*	0*	0*
Saw-Cutting and Sealing Vehicle Detector Loops	metre	3934.5	2200	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Saw Cut - Concrete (SD-330)	metre	0*	50	1125	400	666	400	892	500	568	400	1376	250
Saw Cut - Asphalt Concrete (SD-332)	metre	0*	0*	4035	1800	2174	1500	2481	1700	1845	1500	1656	2000
Saw Cut - Bike Loops	metre	0	0	0	50	0*	0*	0*	0*	0*	0*	0*	0*
Removal - Pole Base/Service Box	each	120	45	128	70	152	65	59	10	127	10	117	7
Removal - Controller/Terminal Base	each	3	5	10	10	13	10	6	5	8	5	3	10
Rebuild Controller/Terminal Base	each	0*	0*	3	5	2	5	10	5	8	10	7	10
Rebuild Poured in Place Service Box	each	14	10	15	10	18	10	22	10	10	5	21	15
Exclusive Ground Rod Installation	each	27	10	9	15	13	15	11	10	18	10	7	20
Cutovers	each	54	60	90	60	67	55	81	55	158	25	72	40
Street Pavement Restorations	sq.metre	70.5	50	78	50	22	100	34	100	97	10	34	15
Miscellaneous Slab Restorations	sq.metre	438	350	533	400	378	350	634	250	338	75	40	150
Concrete Curb Restorations	metre	11	10	4	15	22	15	14	20	35	10	4	30
Capping Temporary Restoration of Street Pavement	sq.metre	119.5	50	115	100	45	125	55	100	0*	0*	0*	0*
Capping Temporary Restoration of Miscellaneous Slabs	sq.metre	271.5	150	254	275	74	100	266	250	0*	0*	0*	0*
Boulevard Restoration	sq.metre	0*	0*	60	75	46	250	680	55	0*	0*	0*	0*
Supply & Install Dectable Warning Surface Tiles	each	10	20	22	10	25	24	13	8	0*	0*	0*	0*
Curb Ramp Installation	each	0	20	19	10	6	24	10	6	0*	0*	0*	0*
Seeding	sq.metre	652	30	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Sodding	sq.metre	0	10	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Overtime Additional Worker	per occasion	5	0	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
Overtime Works (1-3)	per occasion	5	0	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
<b>Total</b>		<b>\$1,518,308</b>		<b>\$1,519,175</b>		<b>\$1,373,384</b>		<b>\$1,338,675</b>		<b>\$1,365,940</b>		<b>\$1,432,130</b>	

\*No record recorded, description was added the previous or has been discontinued.