GENERAL SUMMARY

Code Type 7221

ITEM	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	47	48	50	60	62	63	51-58 61 64-73	76	77	78	79	80	81	295, 296	298	299	300 ϕ301	25	302	305 ϕ309	ITEM	NO. FED. PARTIC. FROM SH. 25A	TOTAL U-329 (14)	GRAND TOTAL	UNIT	DESCRIPTION
																																												DRAINAGE
I-2															40																								I-2		40	40	Lin. Ft.	42" Class B Storm Sewer *
I-2															106																								I-2		106	106	Lin. Ft.	42" Class B Storm Sewer
I-2																360																							I-2		360★	360	Lin. Ft.	66" Storm Sewer Sec. M-6.6(C)
I-2															128	768	174																						I-2		1070★	1070	Lin. Ft.	66" Class B Storm Sewer
I-2															20																								I-2		20★	20	Lin. Ft.	66" Class B Storm Sewer *
I-2																140																							I-2		140★	140	Lin. Ft.	66" Storm Sewer * Sec. M-6.6(C)
I-4	3932	2478	2806	3438	2886	5158	4450	4538	4412	5228	5184	5554	5077	5294	5586	3248	3032	5966	1232	2428	1144	658	1188	792	13590	1848	1546	696	1214	2338	1332					1592			I-4	4094	105,771	109,865	Lin. Ft.	6" Underdrains
I-4	96	8	8	48	18	104	50	18	40	118	36	26	18	18	36	38	16	72	8	20	28	10			124	20			10										I-4	8	980	988	Lin. Ft.	8" Pipe Outlets for Underdrains, as per plan, Sec. M-6.4(2)
I-5	1	4	1	1	4		2	2		2	2				4	2																							I-5		25	25	Each	15" Pipe Specials for Storm Sewers Sec. M-6.4(c)
I-5		1								1																													I-5		2	2	Each	15" Pipe Specials for Storm Sewers Sec. M-6.5(b) or M-6.8(b)
I-5	1		2				1	1		1		2	1	5				1																					I-5	1	14	15	Each	8" Pipe Specials for Storm Sewers Sec. M-6.5(b) or M-6.8(b)
I-5	14	2	4	7	2	13	9	4	5	14	5	7	4	4	4	5	2	11	5	5	4	1	2		21	1		2	1										I-5	4	154	158	Each	6" Pipe Specials for Underdrains
I-6																																				226			I-6	226		226	Lin. Ft.	Relaying Pipe for Driveways
I-8															1																								I-8		1	1	Each	Standard Manhole Nº 2 without Drop Pipes, as per plan
I-8	1	1		1	2	3								2	3						3					3	3	2	1	6	2	2							I-8		35	35	Each	Standard Manhole Nº 1
I-8					1																																		I-8		1	1	Each	Standard Manhole Nº 2
I-8		2		3	1											3	1															2		1					I-8		13	13	Each	Standard Manhole Nº 2 Without Drop Pipes
I-8																								1		1										11			I-8	11	2	13	Each	Standard Catch Basins Nº 1-2-A using Salvaged Castings, as per plan
I-8				1	1			1																		2													I-8		5	5	Each	Standard Catch Basins Nº 2-2A
I-8							1	2	2	1		1			2	2	2		1		1	2	2	2		5	2	2			7	7							I-8		44	44	Each	Standard Catch Basins Nº 3-A
I-8	6	2	1	5	6	4	1	7	1			1		3	3	4	2	4	2	2	2	2	2	3															I-8	2	61	63	Each	Standard Catch Basins Nº 5
I-8	4	2	2	4	2	4	3	1	2	4	1	1	1	4	2	3	1	3				1	1	1															I-8		47	47	Each	Standard Catch Basins Nº 5, Modified, as per plan
I-8	1	1										1								1																			I-8	1	3	4	Each	Special Combination Nº 5 Catch Basin-Manhole, as per plan
I-8				1			1		2									1																					I-8		5	5	Each	Standard Catch Basin Nº 6
I-8																				1																			I-8	1		1	Each	Standard Paved Shoulder Inlet Nº 2-6
I-8																				1																			I-8	1		1	Each	Standard Paved Shoulder Inlet Nº 2-10
I-8																													2										I-8		2	2	Each	Special Curb Inlet Nº 4 using Salvaged Castings, as per plan
I-8																														2	3								I-8		5	5	Each	Rebuild Inlet-Manhole to Standard Manhole Nº 1, as per plan
I-8	2																		1							1										25			I-8	26	3	29	Each	Manholes Adjusted to Grade
I-8																																1							I-8		1	1	Each	Special Control Gate Manhole as per Plan
I-9		360			400			330									375																			1095			I-9	1095	1465	2560	Lin. Ft.	Stone Underdrains Nº 2
I-9											480				441																								I-9		921	921	Lin. Ft.	Stone Underdrains Nº 2, as per plan
I-10		6			6		168	26	20	34	6	9	10	10	26		24			12			10				75							174				ϕ 260	I-10	12	864	876	Cu. Yds.	Dumped Rock Channel Protection
I-14													10																										I-14		10	10	Lin. Ft.	Paved Gutter, Standard Type 1
I-16															1	4	1							1						3									I-16		10	10	Each	Manholes Abandoned
I-16															1	6	1		1					1		2			4	2	3					17			I-16	18	20	38	Each	Catch Basins Abandoned
L-10	537	326	174	414	420	342	134	546	180	73	93	108	340	396	188	316	250	297	187	297	189	122	81	103			27												L-10	244	5902	6146	Sq. Yds.	Sodding as per Plan
L-10		37	68		28			180			150				75		75																							L-10		613	613	Sq. Yds.	Sod for Special Berm and Slope Protection, as per Plan
S-1		3.2			3.2		12.8	12.8	12.8	16.0	3.2	3.2	3.2	3.2	6.4		3.2			6.4			3.2				14.9						7.4	41.5	42.8	23.6 +13.2		380	80	S-1	6.4	689.8	696.2	Cu. Yds.	Concrete for Structures - Class C
S-1																																	1						ϕ 22.5	S-1		23.5	23.5	Cu. Yds.	Concrete for Structures - Class E
S-4		146			146		584	584	584	730	146	146	146	146	292		146			292			146				628						286	1407	1448	1290 +837		58913	2650	S-4	292	71095	71387	LBS.	Reinforcing Steel
S-7																																	1364							S-7		1364	1364	LBS.	Structural Steel
S-24																									LUMP															S-24		LUMP	LUMP	Lump	Removal of Existing Structures
S-27																																				#314				S-27		314	314	Lin. Ft.	27" Pipe for Roadway Culvert Sec. M-6.6(b) or M-6.8(b)
S-27																																		124	122				ϕ 216	S-27		462	462	Lin. Ft.	54" Pipe for Roadway Culvert
S-27																																				258				S-27		258	258	Lin. Ft.	38" x 24" Reinforced Elliptical Pipe, Sec. M-206.6(b) for Rdwy. Culverts
S-27																																							ϕ 62	S-27		62	62	Lin. Ft.	68" x 43" Reinforced Elliptical Pipe, Sec. M-206.6(b) for Rdwy. Culverts
S-28																																							ϕ 258	S-28		258#	258	Lin. Ft.	180" Sectional Corrugated Metal Structure, Sec. M-6.4(g), 1-1 Ga.,
S-28																																							ϕ 104	S-28		104#	104	Lin. Ft.	180" Sectional Corrugated Metal Structure, Sec. M-6.4(g), 3-1 Ga.,
S-28																																							ϕ 638	S-28		638#	638	Lin. Ft.	180" Sectional Corrugated Metal Structure, Sec. M-6.4(g), 5-3 Ga.,
																																												WATER MAIN
I-8																																							I-8	66		66	Each	Valve Box Adjusted to Grade
I-8																																							I-8	10		10	Each	Manhole Casting Adjusted to Grade
Special																																							Special	6		6	Each	Tee Plugged at Main
Special																																							Special	3		3	Each	Hydrant Removed and Disposed Of
Special																																							Special	1		1	Each	Hydrant Reset
Special																																							Special	1		1	Each	Hydrant Abandoned
Special																																							Special	370		370	Lin. Ft.	Water Line Removed and Disposed Of

FOR LIGHTING QUANTITIES SEE SHEET 26

Local Participation as per Agreement with City of Willoughby

★ Local Participation as per Agreement with City of Eastlake

* Under Pavement or Approaches