

GENERAL SUMMARY

TYPE CODE 6201

LAK. 283 (6.61 - 6.94)
LAKE COUNTY

PAVEMENT CALCULATIONS CONT'D.

ITEM NO.	CITY OF EASTLAKE		CITY OF WILLOUGHBY		UNIT	TOTAL	DESCRIPTION
	STA. TO	STA. TO	STA. TO	STA. TO			
	108+50	125+00	118+00	125+00			ROADWAY
E-101	194	5050	5244	119	1086	1205	Cu. Yds. 6449 ROADWAY EXCAVATION, AS PER PLAN
E-4	32	019		2878			Cu. Yds. 34,897 BORROW
E-101		2560	2560		1840	1840	Sq. Yds. 4400 COMPACTED SUBGRADE
E-8		2026	2026		1320	1320	Sq. Yds. 3346 REMOVAL & DISPOSAL OF EXISTING PAVEMENT
E-11	1	194	195	1	35	36	M. Gals. 231 WATER
SPECIAL	240	690	930	192	444	636	Sq. Yds. 1566 MIXING CALCIUM CHLORIDE AND CRUSHED AGGREGATE
T-10		400	400		400	400	Cu. Yds. 800 TRAFFIC COMPACTED SURFACE COURSE FOR MAINTAINING TRAFFIC
M-10	0.3	8.7	9.0	0.2	8.5	8.7	Tons 17.7 CALCIUM CHLORIDE FURNISHED AND APPLIED
I-8		2	2		2	2	EACH 4 STANDARD MONUMENT ASSEMBLIES
I-15		868	868		57	57	Lin. Ft. 925 GUARDRAIL, STEEL BEAM STD. TYPE (DEEP) AS PER STD. DRG I-15 No. 2-A.
E-8		75	75				Sq. Ft. 75 REMOVAL & DISPOSAL OF EXIST. CONC. WALK
I-13		75	75				Sq. Ft. 75 4" PORTLAND CEMENT CONCRETE SIDEWALK
I-18	40	115	155	32	74	106	Cu. Yds. 261 STABILIZED CRUSHED AGGREGATE SHOULDERS & APPROACHES
L-9	1290	19,726	21,016	1098	7060	8158	Sq. Yds. 29,174 SEEDING & PROTECTING, AS PER PLAN
L-9	0.12	1.77	1.89	0.10	0.64	0.74	Tons 2.63 COMMERCIAL FERTILIZER (12-12-12)
L-9	0.58	8.88	9.46	0.49	3.18	3.67	Tons 13.13 AGRICULTURAL LIMING MATERIALS
T-35	44	151	195	55	104	159	Cu. Yds. 354 ASPHALTIC CONCRETE SURFACE COURSE, TYPE "A" (70-85)
B-35	41	107	148	42	77	119	Cu. Yds. 267 ASPHALTIC CONCRETE LEVELING COURSE (70-85)
B-35	12	218	230	12	156	168	Cu. Yds. 398 ASPHALTIC CONCRETE BASE COURSE (70-85)
B-119	65	707	772	89	505	594	Cu. Yds. 1366 CRUSHED AGGREGATE BASE COURSE
I-22	36	471	507	36	339	375	Cu. Yds. 882 SUBBASE
T-30	70	70	70		70		Gals. 140 BITUMINOUS TACK COAT, AS PER SEC. T.30.02
T-30		952	952		684	684	Gals. 1636 BITUMINOUS PRIME COAT: SEC. M-5.3, MC-2 OF MC-1 OR SEC. M-5.2, RC-1 OF RC-2. SEC. M-5.1, RC-1 OF RC-2. SEC. M-5.2, RC-1 OF RC-2. SEC. M-5.3, MC-2 OF MC-1.
							DRAINAGE
E-2		409	409				Cu. Yds. 409 EXCAVATION FOR STRUCTURES
E-2		Lump	Lump		Lump	Lump	Lump Sum Lump Sum COFFERDAMS, CRIBS AND SHEETING
E-3		5089	5089		1786	1786	Cu. Yds. 6875 CHANNEL EXCAVATION
S-1		71	71				Cu. Yds. 71 CONCRETE FOR STRUCTURES, CLASS "C"
S-4		10,917	10,917				Lbs. 10,917 REINFORCING STEEL
S-22		Lump	Lump				Lump Sum Lump Sum REMOVAL OF PORTIONS OF EXISTING STRUCTURE
S-23		24	24				EACH 24 DOWEL HOLES
I-1		208	208		116	116	Lin. Ft. 324 12" PIPE FOR DRIVEWAYS, SEC. M-6.4(a)
I-9		600	600		250	250	Lin. Ft. 850 STONE UNDERDRAINS, No. 2, AS PER PLAN
I-10		400	400				Sq. Yds. 400 RIP RAP, TYPE "A", GROUT FILLED
I-14		30	30				Lin. Ft. 30 STANDARD PAVED GUTTER, TYPE 3
I-3		228	228				Lin. Ft. 228 12" ROADWAY DRAINAGE
I-8		1	1				EACH 1 STANDARD CATCH BASIN No. 2-2A
I-5		1	1				EACH 1 12" PIPE SPECIAL FOR ROADWAY DRAINAGE UNDER PAVT. OR APP.
I-3		32	32				Lin. Ft. 32 12" ROADWAY DRAINAGE UNDER PAVEMENT OR APPROACHES.
I-3		44	44				Lin. Ft. 44 12" OUTLETS FOR ROADWAY DRAINAGE, SEC. M-6.4(c)
I-4		871	871		1271	1271	Lin. Ft. 2142 6" UNDERDRAINS
I-4		86	86		32	32	Lin. Ft. 118 6" OUTLETS FOR UNDERDRAINS, SEC. M-6.4(h) w/o PERFORATIONS
I-5		2	2		2	2	EACH 4 6" PIPE SPECIALS FOR UNDERDRAINS

E-8 REMOVAL AND DISPOSAL OF EXISTING PAVEMENT
Sta. 108+50 to Eastlake Corporation Line = 1013 Lin. Ft. (18' Wide)
1013 x 18 ÷ 9 = 2026 Sq. Yds.

TOTAL CITY OF EASTLAKE 2026 Sq. Yds.
Willoughby Corporation Line to Sta. 125+00 (18' Wide) 660 Lin. Ft. (18' Wide)
660 x 18 ÷ 9 = 1320 Sq. Yds.
TOTAL CITY OF WILLOUGHBY 1320 Sq. Yds.

E-11 WATER

B-119 8" 64.8 Cu. Yds.
I-22 6" 35.9 Cu. Yds.
I-18 6" 40.0 Cu. Yds.
TOTAL EASTLAKE 140.7 Cu. Yds. x 5 ÷ 1000 = 0.703M Gals.

Embankment

B-119 8" 37,575.0 Cu. Yds.
I-22 6" 707.5 Cu. Yds.
I-18 6" 471.1 Cu. Yds.
TOTAL EASTLAKE 38,868.4 Cu. Yds. x 5 ÷ 1000 = 194.342M Gals.

Embankment

B-119 8" 6030.0 Cu. Yds.
I-22 6" 505.4 Cu. Yds.
I-18 6" 338.6 Cu. Yds.
TOTAL WILLOUGHBY 74.1 Cu. Yds.
TOTAL WILLOUGHBY 6948.1 Cu. Yds. x 5 ÷ 1000 = 34.741M Gals.

Embankment

B-119 8" 88.8 Cu. Yds.
I-22 6" 35.9 Cu. Yds.
I-18 6" 32.2 Cu. Yds.
TOTAL WILLOUGHBY 156.9 Cu. Yds. x 5 ÷ 1000 = 0.785M Gals.

L-9 COMMERCIAL FERTILIZER (12-12-12) @ 20 Lbs. Per. 1000 Sq. Ft.

Sta. 105+00 to 108+50
Seeding Table 1290 Sq. Yds. x 1290 x 20 ÷ 1000 x 2000 = .116 Tons
TOTAL EASTLAKE .117 Tons

Sta. 108+50 to 118+10.03
Seeding Table 19,726 Sq. Yds. x 19,726 x 20 ÷ 1000 x 2000 = 1.775 Tons
TOTAL EASTLAKE 1.777 Tons

Sta. 118+10.03 to 125+00
Seeding Table 7060 Sq. Yds. x 7060 x 20 ÷ 1000 x 2000 = .636 Tons
TOTAL WILLOUGHBY .636 Tons

Sta. 125+00 to 128+50
Seeding Table 1098 Sq. Yds. x 1098 x 20 ÷ 1000 x 2000 = .099 Tons
TOTAL WILLOUGHBY .100 Tons

I-18 6" STABILIZED CRUSHED AGGREGATE SHOULDERS & APPROACHES

Sta. 105+00 to 108+50 (4' Wide)
4 x 2 x 350 ÷ 9 = 311.11 Sq. Yds.
Deduct For Drives 160 Lin. Ft., 160 x 4 ÷ 9 = 71.11 Sq. Yds.
TOTAL EASTLAKE 240.00 Sq. Yds. x 6 ÷ 36 = 40.00 Cu. Yds.

Sta. 108+50 to 118+10.03 (4' Wide)
4 x 2 x 960.03 ÷ 9 = 853.36 Sq. Yds.
Deduct For Drives 370 Lin. Ft., 370 x 4 ÷ 9 = 164.44 Sq. Yds.
TOTAL EASTLAKE 688.92 Sq. Yds. x 6 ÷ 36 = 114.82 Cu. Yds.

Sta. 118+10.03 to 125+00 (4' Wide)
4 x 2 x 689.97 ÷ 9 = 613.31 Sq. Yds.
Deduct For Drives 380 Lin. Ft., 380 x 4 ÷ 9 = 168.88 Sq. Yds.
TOTAL WILLOUGHBY 444.43 Sq. Yds. x 6 ÷ 36 = 74.07 Cu. Yds.

Sta. 125+00 to 128+50 (4' Wide)
4 x 2 x 350 ÷ 9 = 311.11 Sq. Yds.
Deduct For Drives 265 Lin. Ft., 265 x 4 ÷ 9 = 117.78 Sq. Yds.
TOTAL WILLOUGHBY 193.33 Sq. Yds. x 6 ÷ 36 = 32.22 Cu. Yds.