SUMMARY OF QUANTITIES

FED. RD. DIVISION	STATE	PROJECT	FISCAL YEAR
2	OHIO		

7/100

LAK. COUNTY
SEC. LAK. 640-2.56

STORM SEWERS (CODE TYPE 7221)

SHEET NO.	REF. NO. FROM	REF. NO. TO	I-2 LIN. FT. CLASS "B" UNDER PAVT. 12"	12" M-6.4 (c)	12"	18"	21"	30"	Sec M-6.6(b) or Sec M-6.8(a) 12" Lin Ft	Sec M-6.6(b) or Sec M-6.8(a) 30" Lin Ft	I-5 EACH PIPE SPECIALS UNDER PAVEMENT CLASS "B" 30"	21"	18"	12"	I-8 EACH STD. M.H. #1	SPEC. DUAL MANHOLE #1	SPEC. DUAL MANHOLE #2	SPEC. C.I. WITH SPEC. FR. & COVER #1	SPEC. C.I. WITH SPEC. FR. & COVER #2	STD. CATCH BASIN 2-2A	STD. CATCH BASIN #3	STD. #2-10 INLET	SPEC. C.I. WITH SALVAGED FRAME & COVER #1	SPEC. C.I. WITH SALVAGED FRAME & COVER #2	MANHOLES EACH RE BUILD	MANHOLES EACH ADJUSTED TO GRADE	I-16 ABANDON EACH C.B.	ABANDON EACH M.H.	E-12 PIPE REMOVED LIN. FT. UNDER 15"	E-12 PIPE REMOVED LIN. FT. 15" OVER	I-16 INLETS ABANDONED SALVAGE FRAME & COVER EACH
12	6-S				144																2			2						
13	1-S	14-S	253	24	578	146	288	340	140	214	4	2		6		3	2			4	6	8			1			6	4	45	250		
14	1-S	5-S			236	238							2	2		1		1				4				1		3			407		
16	2-S		44		40													2														
17	1-S	3-S	115		52										2								2	2				2				2
18	1-S	3-S	220		90													4							1							
19	1-S	3-S	490		120													4	2													
TOTAL U.G. 1090(1)			1122	24	1260	384	288	340	140	214	4	2	2	8	2	4	2	11	2	4	6	14	2	2	3	2	13	4	45	657	2	
12	1-S	5-S			515										1					4		4				5	9					
14	6-S	7-S			40										1							2					2	1				
16	1-S				28													1	1													
TOTAL U-1090(1)					583										2			1	1	4		6				5	11	1				

SHEET NO.	REF. NO. FROM	REF. NO. TO	SANITARY SEWERS * I-2 LIN. FT. UNDER PAVT. 15" M-6.8 (b)	12 M-6.8 (a)	I-8 MANHOLES EACH ADJUST TO GRADE	I-8 MANHOLES EACH RE-BUILD	E-12 PIPE REMOVED LIN. FT. UNDER 15"	E-12 PIPE REMOVED LIN. FT. 15" OVER
12	6-S							
13	1-S	14-S	974	78		3	45	170
14	1-S	5-S	206		1			196
16	2-S							
17	1-S	3-S						
18	1-S	3-S			1			
19	1-S	3-S						
TOTAL U.G. 1090(1)			1180	78	2	3	45	366
12	1-S	5-S						
14	6-S	7-S			1			
16	1-S							
TOTAL U-1090(1)					1			

* No State or Federal participation on Sanitary Sewers. The City of Willoughby shall participate 100%.

6" UNDERDRAINS

SHEET NO.	REFERENCE NO. FROM	REFERENCE NO. TO	I-4 PIPE UNDERDRAIN LIN. FT. 7221 APPROACH	I-4 PIPE UNDERDRAIN LIN. FT. CODE 7221
12	1-F	6-F	400	707
14	2-F	3-F		580
16	1-F	2-F		354
TOTAL U-1090(1)			400	1641
12	5-F	6-F		792
13	1-F	2-F		2350
14	1-F	3-F		560
16	3-F	4-F		1344
17	1-F	6-F		1917
TOTAL UG-1090(1)				6963

L-9 ROADSIDE IMPROVEMENT

STATION FROM	STATION TO	SEEDING & PROTECTING Sq. Yds.
133+00	135+00	824
TOTAL U-1090(1) APPROACH		824
135+00	140+00	3,370
159+50	161+90	574
TOTAL U-1090(1) CODE 7221		3,944
140+00	159+50	26,715
TOTAL UG-1090(1) CODE 7221		26,715

SIDEWALKS

SHEET NO.	REFERENCE NO. FROM	REFERENCE NO. TO	ITEM E-8 REMOVAL & DISPOSAL EXISTING WALK SQ. FT. 7221 APPROACH	ITEM E-8 REMOVAL & DISPOSAL EXISTING WALK SQ. FT. CODE 7221	ITEM I-13 4" PORTLAND CEMENT CONC. WALK SQ. FT. 7221 APPROACH	ITEM I-13 4" PORTLAND CEMENT CONC. WALK SQ. FT. CODE 7221
12	1-W	6-W	2105	5686	1790	3715
14	1-W	3-W		3180		2105
16	1-W					1175
TOTAL U-1090(1)			2105	8866	1790	6995
12	3-W	6-W		4237		4000
13	1-W	10-W		9425		12,650
14	1-W	3-W		4953		3115
16	2-W					2732
17	1-W	3-W		1319		3475
TOTAL UG-1090(1)				19,934		25,972

MONUMENT ASSEMBLY

SHEET NO.	REF. NO.	I-8 MONUMENT ASSEMBLIES TYPE "D" Each
12	1-M	1
14	1-M	1
TOTAL U-1090(1) CODE 7221		1
TOTAL UG-1090(1) CODE 7221		1

DRIVEWAY QUANTITIES

SHEET NO.	STATION FROM	STATION TO	E-8 REMOVAL & DISPOSAL OF EXIST PAVEMENT Sq. Yds. 7221 APPR.	E-8 CODE 7221	T-70 8" PORTLAND CEM. CONC. PAVEMENT Sq. Yds. 7221 APPR.	T-70 CODE 7221	E-1 EXCAVATION FOR DRIVEWAYS Cu. Yds. 7221 APPROACH	E-1 CODE 7221	I-11 DRIVEWAY CURB DEDUCTIONS Lin. Ft. CODE 7221
12	133+00	140+00	19	351	54	195	11	44	148
14	159+50	162+30		84		165		26	154
TOTAL	U-1090(1)		19	435	54	360	11	70	302
12	140+00	144+00		77					
14	144+00	159+50		243		79			72
TOTAL UG-1090(1)				320		79			72