SUMMARY OF QUANTITIES

FED. RD. DIST. NO.	STATE	FED. AID PROJECT	FISCAL YEAR
10	OHIO	5-A(4)	1940

63
64

LAKE COUNTY
S. H. 2 SEC. Q (PT.)

ROADWAY

STORM SEWERS

SHEET No.	PIPE – LIN. FT. 10	12	15	18	21	24	27"	30"	PIPE UNDER PAV'T. LIN. FT. 12"	27"	CATCH BASINS - EACH I-8 C.B. No. 1-2	I-8 C.B. No. 7	13-X See Detail	SPECIAL MANHOLE EACH	STD. M.H. I-8 M.H. No. EACH	HEADWALLS CONCRETE CLASS "E" CU. YDS.	AGGREGATE FOR DRIVES I-17 CU. YDS.	PIPE UNDER DRIVES L.F. 8"	12"	SIDEWALK-SQ. FT. NEW 4" THICK	REMOVAL OF EXISTING	TREES TO BE REMOVED EACH	REMOVAL OF EX'TG. PAV'T. SQ. YDS.	SEALING (ONLY) EDGES OF EX'TG. PAV'T. & NEW BASE-L.F.	EXCAVATION CU. YDS. CHANNEL	STRUCTURE	PIPE REMOVED & STORED-L.F. 10"	REMOVAL OF EX'TG. STRUCTURES-LUMP LEACH BASINS	INLETS & HEADWALLS	GUARD RAIL LIN. FT. NEW I-15 No.2	REMOVAL OF EX'TG.	RIPRAP BUILD NEW SQ. YDS.	RIPRAP REMOVE & SALVAGE CU. YDS.	CONCRETE STEPS LIN. FT.	PIPE SPECIALS FOR ST'M. SEWER 21"x12" Y EACH
5		377							66				4	2			11.8	24		1711.9		2	360	1186.1											
6		725							132				8	4			36.2	120	40	5074.0		22	1786.7	2400					928						
7		227	949		123				202			1	8	2	3	2.0	23.2			5384.8		22	1425.6	3622											
8		552	159		162				165			2	8	4		2.0	18.7			5294.4		31	259.9	4804											
9		612	43						132				8	4			26.5			5334.8		10	218.2	4802											
10		622	272		243				240				10	4			3.8			5270.9		6	163.4	4804											
11		468			250	337			132				8	1	5		27.6			5073.6		15	506.7	4420							15	5			
12	27	528	361		835	223			132			1 ✓	8	4			18.6		74	5052.3		16	2666.6	2400			1			12					
13		24	128			793	319		67				6	4			12.5			4835.7		5	1162.2	3840			4			54					
14		24					532	107		70			4	1	4		6.9			4995.0		17	2666.7	2400											1
15		30	449	91					66				6	2	4		29.4			4689.0		14	1697.7	3340											
16		710	43		199				99		1		4	1	3		26.9		202	5334.3		32	1222.2	2400					928						
17		784	242		51				99				8	5			19.4			5726.3	13.8	15	386.7	4520			1			12					
18		459							99				6	3			22.9			7998.2	84	6	534	4000											
19		277							120				2	1	1	1.1	20.2			1323.9		4	238	3664				2							
45																									35	6									
46						381										2.3									24 ✓	6 ✓									
47								582							1	3.1									75	7									
48						1157									2	2.3									24	7									
49																	93.7					9												
50																						1												
51																																		
52																																		
53																	29.5																	
54																								993.0										
61																																	21.7 ✓	
45*																									27	6								
46*																									147	7 ✓								
TOTAL	27	6419	2646	91	1863	2891	851	689	1751	70	1	4	98	42	23	12.8	427.8	144	316	73009.1	97.8	227	14599.8	53595.1	332	43	259	6	2	1856	78	15	5	21.7	1

EARTHWORK

STATION FROM	STATION TO	CU. YDS. EXC.	EMB.	EMB. +40%
406+0	410+0	1105	827	1158
410+0	420+0	6889	11791	16507
420+0	430+0	3345	2351	3291
430+0	440+0	2744	3670	5138
440+0	450+0	1179	254	356
450+0	460+0	1721	771	1079
460+0	470+0	738	1174	1644
470+0	480+0	1019	497	696
480+0	490+0	3015	1587	2222
490+0	500+0	4230	218	305
500+0	510+0	1172	614	860
510+0	520+0	3523	1607	2250
520+0	530+0	1282	702	983
530+0	540+0	242	12402	17363
540+0	550+0	2159	966	1352
550+0	560+0	1052	489	685
560+0	566+5554	930	527	738
TOTALS		36345	40447	56627

56,627 - 36345 = 20,280 Gross Borrow

(14599.8 × 1/4) = 3650 Cu. Yds. (Old Pav't. To Be Used In Fill)

20,280 - 3650 = 16630 Cu. Yds. Net Borrow

STRUCTURES 20' SPAN AND UNDER

DETAIL SHEET NO.	MARK	STATION	TYPE	REMOVAL OF EX'T'G. STRUCTURE LUMP
43	C-1	417+80	STD. PIPE CULV'T WITH CONC. H'DWALLS	1
43	C-2	432+80	STD. PIPE CULV'T WITH CONC. H'DWALLS	1
43	C-3	524+75	STD. PIPE CULV'T WITH CONC. H'DWALLS	1
TOTAL				3

Payment For Removal Of Following Masonry Objects Will Be Included In Price Bid For "E-1", Excavation (Unclassified)

STATION FROM	STATION TO	SIDE		OBJECT
428+50		LT.	18.0 × 12.7	CONC. SLAB
443+60		LT		CONC. SLAB
450+35		LT.		CONC. PUMP ISLAND
453+22	455+35	RT.		STONE WALL
480+78		LT.		CONC. PUMP ISLAND
504+55		RT.		GREASE PIT
549+78	550+13	RT.		RIPRAP WALL
407+13		LT.		BRICK PILLAR
407+30		LT.		BRICK PILLAR
409+34		LT.		BRICK PILLAR
440+98		LT.		STONE PILLAR
441+20		LT.		STONE PILLAR

PAVEMENT

SHEET No.	SANDSTONE CURB LIN. FT. DEDUCTION	ADDITION	DRIVE APPROACHES 6" T-70 SQ. YDS.	REPLACEMENT 8" B-71 SQ. YDS.	WATER'D MACADAM BASE COURSE B-20-5 Tk. SQ. YDS.	BITUMINOUS PRIME COAT T-30 SQ. YDS.	BITUMINOUS SURFACE TREATMENT T-31 SQ. YDS.	T-50 SQ. YDS. 2½" SURFACE COURSE		B-50 SQ. YDS. 2½" LEVELING COURSE	3" BASE COURSE	1¼" INSULATION COURSE SQ. YDS.	T-719-779 R. C. PAV'T. SQ. YDS.
5	44		23.8	17.8									
6	176		95.2										
7	234		141.1	51.4									
8	256		153.0	68.5									
9	216		124.	64.9									
10	44		23.8	80.1									
11	346		198.1	62.3									
12	198		113.6										
13	170		102.9	17.8									
14	66		35.7										
15	276		167.4	31.1									
16	154		83.3										
17	204		122.7	53.4									
18	384		260.8	53.4									
19	63		101.2	23.8									
45													
46													
47													
48													
49	87.7	77.8	98.0										
50	88.7	79.2	96.5		793.4	793.4	793.4						
51	90.	79.	100.0		457.0	457.0	457.0						
52	89.6	78.1	100.9		123.2	123.2	123.2						
53	90.4	79.3	100.0										
54		301.7						1130.5		220.5	220.5	220.5	851.3
TOTAL	3277.4	695.1	2242.0	524.5	1373.6	1373.6	1373.6	1130.5		220.5	220.5	220.5	851.3