

SUMMARY OF QUANTITIES

FED. RD. DIVISION	STATE	FEDERAL AID PROJECT	TYPE FUNDS
2	OHIO	F 366 (1)	POST WAR

LAKE COUNTY
LAK. - G-(3.60-3.76)
LAK. - 174- 1.50

5
97

Sheet No		STORM SEWERS																									
		I-2					I-5		I-8			I-10		I-12		E-2		E-12		S-1		S-4		S-24		T-71	
		Lin. Ft. Pipe					Pipe Under Pavement		Pipe Specials		Standard Catch Basin			Riprap Type A		Excavation for Structures		Pipe Removed and Disposed of		Concrete for Structures		Reinforcing Steel		Removal of Existing Structures		9" Reinforced Portland Cement Concrete Pavement	
8	1-5 to 25	39					26																				
9	1-5 to 75	90	164	172			101	51																			
10	1-5 to 55	188	177		286																						
11	1-5 to 95	638	378	46			29	51																			
13	1-5 to 95	265	364	678			18	76	27	24																	
14	1-5	24																									
16	1-5 to 25	117																									
TOTALS		1311	1083	896	286	18	232	213	24	2	1	2	2	1	22	3	1	20	2	49.4	832	100	209	Lump Sum	11		

Sheet No		Ref. No		ROADWAY DRAINAGE (POROUS BACKFILL)	
				I-3	
				12" Pipe	Lin. Ft.
8	1-E	109			
TOTAL		109			

Sheet No		Ref. No		PAVEMENT REMOVAL	
				E-8	
				Removal and Disposal of Existing Pavement	Sq. Yds.
8	1-R	1000			
9	1-R	2050			
10	1-R	1900			
13	1-R	467			
14	1-R	2455			
16	1-R to 2R	1690			
TOTAL		9562			

Sheet No		Ref. No		PIPE UNDERDRAINS (HERRINGBONE)						
				I-4		I-5 Pipe Specials				
				6" Pipe	6" Pipe Outlets	6" 45° Elbow	6" Tee	6" Wye	6" Double Wye	18" x 6" Wye For E-2
9	1-D	216	46							
10	1-D	164	20							
11	1-D	134	12							
TOTALS		514	78	3	1	4	4	1		

Sheet No		Ref. No		PIPE UNDERDRAINS (LONGITUDINAL)			
				I-4		I-5 Pipe Specials	
				6" Pipe	6" Pipe Outlets	6" 45° Elbow	6" Tee
10	1-L	25					
11	1-L to 2-L	2220	36				
13	1-L to 2-L	1194	34				
TOTALS		3439	70				5

Sheet No		Ref. No		PIPE UNDERDRAINS (INTERCEPTING)		
				I-4		I-5
				6" Pipe	6" Pipe Outlets	Pipe Specials 6" Tee
11	1-Q	200	50	2		
13	1-Q to 2-Q	1220	102	2		
TOTALS		1420	152	4		

Sheet No		Ref. No		PIPE UNDERDRAINS				
				I-4		I-5	I-8	I-8
				12" Pipe	12" Pipe Outlets	Pipe Specials 12-45° Elbow	Standard Catch Basin No. 1-2A	Standard Catch Basin No. 3-A
9	1-N	142						
14	1-N	180	30	1				
16	1-N	116			1			
TOTALS		438	30	1	2	1		

Sheet No		Ref. No		PAVED GUTTER	
				I-14	
				Paved Gutter Lin. Ft.	Special Type #3
9	1-P	140			
11	1-P	32			
12	1-P to 2P	256			
TOTAL		256	172		

Sheet No		Ref. No		DRIVES											
				E-1		E-12		I-1		I-1		I-17		I-70	
				Excavation	Excavation Deduction	Embankment	Embankment Deduction	Pipe Removed and Disposed of	18" Pipe for Driveway	12" Pipe for Driveway	Side Approaches Mail Box Turnouts and Derm Material	6" Portland Cement Concrete Pavement			
8	1-A to 3-A	14	22			144									
9	1-A to 7A	96	22	282	6	130									
10	1-A to 6A	91	90	2134	8										
11	1-A	88	16												
13	1-A to 4A	231	18			78									
14	1-A to 7A	43	53	87	4	314									
16	1-A to 2A	21	36			40									
12	1-A to 2A		55												
TOTALS		584	312	2563	18	706	40	489	664	115					

Sheet No		Ref. No		STRUCTURES 20' AND UNDER															
				E-2		S-1		I-8		S-4		S-24		SPECIAL		S-27		I-10	
				Excavation for Structures	Concrete for Structures Class C	Std. MH* without Frame & Cover	Reinforcing Steel	Removal of Existing Structures	12" Pipe	LIFT Pump & M. H. Roof	Pipe for Roadway Culverts 18" M-6.66 24"	Riprap Type A							
9	1-C	78	75	2.0															
10	1-C	79	22	4.6	1	665	52												
14	1-C	78	52	2.8		64	Lump Sum												
TOTALS		149	9.4	1	781	Lump Sum	56	Lump Sum	160	102	15								

Sheet No		Ref. No		EXTRA AREA											
				T-71		E-8		I-12				Granular Blanket Material		Special Precast Concrete	
				9" Reinforced Portland Cement Concrete Pavement	Sealing Only	Concrete Curb Type 3-A		6" Depth	12" Depth	Traffic Dividers					
17		2109.67													
18		311.78	78	109.70											
TOTAL		2421.45	78	109.70									13		

Station		EARTHWORK		
		E-1		
		Excavation	Embankment	Embankment + 15%
From	To	Cu. Yds.	Cu. Yds.	Cu. Yds.
194+00	200+00	3060	209	240
200+00	210+00	5201	14294	16438
210+00	220+00	1067	49390	56799
220+00	230+00	31902	20609	23700
230+00	240+00	101770	30702	35307
240+00	250+00	4390	140012	161014
250+00	260+00	130485	189	217
260+00	270+00	22372	23	26
270+00	277-50	955	2886	2754
174-79+00	80+50	665	56	64
82+00	88+00	2864	283	325
TOTALS		304,731	258,153	296,884

Sheet No		Ref. No		GUARD RAIL			
				I-15			
				Guard Rail Removed & Rebuilt	Guard Rail Removed	Guard Rail	Guard Rail Posts
8	1-G	185					
9	1-G to 4-G	667	662	325.5			
10	1-G to 5-G	510	474	820.0	9		
11	1-G to 4-G			823			
12	1-G to 2-G			1883.0			
14	1-G to 5-G	320	475				
13	1-G to 2-G					17	
TOTALS		1632	1611	3851.5	26		

Sheet No		Ref. No		MONUMENT BOXES	
				I-8	
				Monument Boxes Type "A"	Type "B"
82		3	12		
16	1-M, 2-M		2		
TOTALS		3	14		

Sheet No		Number of Mail Box Turnouts	
8		2	
9		3	
10		4	
14		4	
16		2	
TOTAL		15	

Sheet No		TREE REMOVAL											
		I-1											
		12"-15"	15"-18"	18"-21"	21"-24"	24"-27"	27"-30"	30"-35"	35"-36"	36"-39"	39"-42"	42"-45"	45"-48"
9	14	7	3										
10	25	7	5										
11	51	26	36	5	6	5	9						
12	20	2	1		4		2						
13	7	1											
14	3												
16	3												
TOTALS		123	43	45	5	16	6	14	5	4	6		

Sheet No		COMBINED CURB AND GUTTER	
		I-12	
		Concrete Curb and Gutter-Type 2	Lin. Ft.
9		871.88	
14		200.0	
TOTALS		1071.88	

Note: Cost of removal of trees and stumps to be included in the unit price bid for Item E-1 Roadway Excavation. Trees over 12" in diameter are listed in the above table for the benefit of the Contractor only, and the State of Ohio does not guarantee the accuracy thereof.