

SUMMARY OF QUANTITIES

U.S. PUBLIC WORKS
HIGHWAY PROJECT NO. 3.H.2

FED. RD. DIST. NO.	STATE	FED. AID PROJECT YEAR	FISCAL YEAR
10	OHIO	N.R.M. 619F	1935
LAKE COUNTY			SEC. WILLOUGHBY (PT)

← NOT A PART OF THIS CONTRACT →

Concrete Curb		
Sheet No.	const. dwg. no. I-12.c.c. type I-B (curved) Lin. Ft.	type I-B (straight) Lin. Ft.
4	18	371
Total	18	371

Manhole Castings Raised to Grade	
Sheet No.	Number
3	33
4	22
Total	55

Valve Boxes Raised to Grade	
Sheet No.	Number
3	9
4	15
Total	24

Basin Castings Raised to Grade	
Sheet No.	Number
3	15
4	18
Total	33

Scuppers Raised to Grade	
Sheet No.	Number
3	8
Total	8

Catch Basins	
Sheet No.	Number
4	2
Total	2

Roadway		From Sta. 237+60 to Sta. 283+0	From Sta. 283+0 to Sta. 285+99	From Sta. 285+99 to Sta. 290+11.5	From Sta. 290+11.5 to Sta. 295+65	From Sta. 295+65 to Sta. 305+78.5	From Sta. 305+78.5 to Sta. 325+25	Totals
E-1	Excavation (inc. rem. walk & curb) Cu.Yds.			104				104
I-8	Manhole castings raised to grade No	47	1	4	3			55
I-8	Valve boxes raised to grade No	16	1	6	1			24
I-8	Inlet basin castings raised to grade No	25	2	2	4			33
I-8	Catch basins I-8 C.B. 6 No			2				2
E-8	Removal of Existing Pavement Sq.Yds.	62.5	53	28	6			149.5
I-13	4" Concrete Sidewalk (est) Sq.Ft.			1600				1600
Pavement								
B-70	8" concrete base (estimated) Sq.Yds.	62.5	53	222	6			343.5
I-12	Concrete curb Type I-B (Straight) Lin.Ft.			371				371
I-12	Concrete curb Type I-B (Curved) Lin.Ft.			18				18
I-12	Concrete curb (replacement) est. Lin.Ft.	300	24	24	48			396
T-50	2 1/2" asphaltic concrete Sq.Yds.	19264	1822	2283	3090			26459
B-50	Leveling course Cu.Yds.	425	40	50	60			575
T-50	Extra binder Cu.Yds.	25	5	5	5			40

2 1/2" Bit Concrete Surface T-50				
From Sta.	To Sta.	For	Sq.Yds.	Additions
237+60	283+00	34' width	17151	150 (drives)
283+00	285+99	53' width	1761	
285+99	290+11.5	48.5' width	2223	25 (")
290+11.5	295+65	44' width	2706	75 (")
237+95.04		Intersection		57
242+99.98		"		74
249+49.80		"		145
253+41.21		"		138
258+02.68		"		57
260+80.38		"		41
262+35.18		"		72
268+06.82		"		44
268+43.61		"		42
273+0 to 283+0		street intersections and extra width		1293
285+70.33		Intersection		24
285+95.49		"		37
290+01.21		"		35
292+0 to 295+65		street intersections and extra width		300
Totals			23,841	2618
Grand Total			26,459	

8" Concrete Base Course & Pavement Removal				
Sheet No.	From Sta.	To Sta.	For	Sq.Yds.
3, 4, 5			replacement of basins	52.5
3, 4, 5			Estimated for patches as directed	97
Total				149.5

Excavation (Roadway) (inc. rem. of walk & curb)			
Sheet No.	From Sta.	To Sta.	Cu.Yds.
4	286+07	289+88	104
Total			104

4" Concrete Sidewalk			
Sheet No.	From Sta.	To Sta.	Sq. Ft.
4	286+07	289+88	1600
Total		Estimated	1600

8" Concrete Base Course B-70				
Sheet No.	From Sta.	To Sta.	For	Sq.Yds.
4	286+07	289+88	4.5' Widening	194
Total				194

PAVEMENT CALCULATIONS	
Beginning of Project	Sta 237+60
End of Project	Sta 295+65
Gross length of Project	5805 Lin.Ft.
Net length of Project	5805 Lin.Ft.
PAVEMENT	
Net length of Pavement	5805 Lin.Ft.
Net length 34' width	4540 Lin.Ft.
Net length 53' width	299 Lin.Ft.
Net length 48.5' width	412.5 Lin.Ft.
Net length 44' width	553.5 Lin.Ft.

Area of 34' wide Bit Surface	4540 x 34	17,151 Sq.Yds.
Area of 53' wide Bit Surface	299 x 53	1761 Sq.Yds.
Area of 48.5' wide Bit Surface	412.5 x 48.5	2223 Sq.Yds.
Area of 44' wide Bit Surface	553.5 x 44	2706 Sq.Yds.

Extra 2 1/2" Bit Surface		
Street intersection	Sta 237+95.04	57 Sq.Yds.
Street intersection	Sta 242+99.98	74 Sq.Yds.
Street intersection	Sta 249+49.80	145 Sq.Yds.
Street intersection	Sta 253+41.21	138 Sq.Yds.
Street intersection	Sta 258+02.68	57 Sq.Yds.
Street intersection	Sta 260+80.38	41 Sq.Yds.
Street intersection	Sta 262+35.18	72 Sq.Yds.
Street intersection	Sta 268+06.82	44 Sq.Yds.
Street intersection	Sta 268+43.61	42 Sq.Yds.
Extra width and street intersections Sta 273+0 to Sta 283+0		1293 Sq.Yds.
53' width Street intersection	Sta 285+70.33	24 Sq.Yds.
61 Sq.Yds. Street intersection	Sta 285+95.49	37 Sq.Yds.
48.5' width Street intersection	Sta 290+01.21	35 Sq.Yds.
44' width Extra width and Street intersections Sta 292+0 to Sta 295+65		300 Sq.Yds.
34' width Street intersection	Sta 283+06.82	44 Sq.Yds.
total above Street intersection	Sta 268+43.61	42 Sq.Yds.

Extra T-50 Surface For Drives Estimated		
34' Width Sq.Yds.	48.5' Width Sq.Yds.	44' Width Sq.Yds.
150	25	75

BITUMINOUS SURFACE SUMMARY				
	34' Width	44' Width	48.5' Width	53' Width
Regular Width	17,151	2706	2223	1761
Drives	150	75	25	
Intersections	1963	309	35	61
Total Sq.Yds.	19,264	3090	2283	1822