

COMPUTED BY: CLB  
 CHECKED BY: LAM

FHWA REGION	STATE	PROJECT
5	OHIO	

LAKE COUNTY  
LAK-44-4.14

EARTHWORK RECAP				
SHEET NO.	203		659	
	EXCAVATION NOT INCLUDING EMBANKMENT CONSTRUCTION	EMBANKMENT	SEEDING AND MULCHING	SEEDING AND MULCHING AS PER PLAN
	CU YDS.	CU YDS.	SQ. YDS.	SQ. YDS.
34	6	16	366	640
35	0	281	1,149	130
36	12	42	597	00
37	0	154	734	320
38	6	780	1,206	00
33A	0	0	0	2,420
TOTAL	24	1,273	1,052	2,420

ITEM 301-BITUMINOUS AGGREGATE BASE, AS PER PLAN	
GR. TYPE 5 EX.GR@BRIDGES A.A. TYPE A LENGTH FLARE	
AREA = 4' x 13.625 L.F. + 162.5 L.F. + 12 (4' (25'+3') + 40' x 2 + 2')	
LENGTH A.A. TYPE T BTA + 4' x (12.5' + 2') 19 = 57,588.5 FT <sup>2</sup>	
VOLUME = 57,588.5 FT <sup>2</sup> x 3" ÷ 12" = 1,439.71 CU YD = 533 YD <sup>3</sup>	
ITEM SPECIAL- HERBICIDE FOR WEED CONTROL	
FROM ABOVE (ITEM 301 AREA) 57,588.5 ÷ 9 = 6,399 S.Y.	
ITEM 407- TACK COAT	
3,029.7 C.Y. x $\frac{36'' \text{ YD.}}{125'' \text{ YD.}}$ = 87,255.4 S.Y. 87,255.4 S.Y. x $\frac{0.10 \text{ GAL.}}{S.Y.}$ = 8,726 GAL.	
ITEM 407- COVER AGGREGATE	
87,255.4 S.Y. x $\frac{7 \text{ LBS.}}{S.Y.}$ x $\frac{1 \text{ TON}}{2000}$ = 305 TONS	

ITEM 659 - COMMERCIAL FERTILIZER	
$6,472 \text{ S.Y.} \times \frac{9 \text{ S.F.} \times 20 \text{ LBS.}}{S.Y. \times 1000 \text{ S.F.}} \times \frac{1 \text{ TON}}{2000 \text{ LBS.}}$	0.58 TONS
ITEM 659 - AGRICULTURAL LIMING, AS PER PLAN	
$6,472 \text{ S.Y.} \times \frac{9 \text{ S.F.} \times 100 \text{ LBS.}}{S.Y. \times 1000 \text{ S.F.}} \times \frac{1 \text{ TON}}{2000 \text{ LBS.}}$	2.91 TONS

CURB RAMPS, TYPE 2		
STATION		EACH
15+23	RAMP No. 1	1
15+65	RAMP No. 1	1
13+51	RAMP No. 2	1
13+60	RAMP No. 2	1
13+87	RAMP No. 2	1
13+93	RAMP No. 2	1
15+71	RAMP No. 1	1
TOTAL		7

DRAINAGE QUANTITIES			
SHEET NO.	LOCATION	604	
		SIDE	CATCH BASIN COVER CB-4
			EACH
(D-1) 23	STA. 241+35	LT.	1
TOTAL			1

PRESSURE RELIEF JOINTS			
LOCATION	APPROX. JOINT SPACING	SPECIAL	605
		PRESSURE RELIEF JOINT TYPE C	AGGREGATE DRAINS
		LIN. FT.	LIN. FT.
MAINLINE	1000 FT.	600	600
RAMPS No. 1 THRU No. 2	MIDWAY	40	40
TOTALS		640	640

TO BE LOCATED APPROPRIATELY ALONG WITH EXISTING PRESSURE RELIEF JOINTS

TRAFFIC CONTROL GROUND MOUNTED SIGNS										
REF. NO.	STATION	SIDE	CODE	SIZE	630		630		630	
					GROUND MOUNTED SUPPORT W 10 X 22	CONCRETE FOR EMBEDDED FOUNDATION	REMOVAL OF GRD. MTD. MAJOR SIGN AND RE-ERECTION	REMOVAL OF GRD. MTD. BEAM SUPPORT		
					LIN. FT.	CU. YDS.	EACH	EACH		
	283+20	RT.			58	2.46	1	2		
TOTAL					58	2.46	1	2		