

COMPUTED BY: CLB
CHECKED BY: JAW

FHWA REGION	STATE	PROJECT
5	OHIO	

LAKE COUNTY
LAK-44-4.14

EARTHWORK RECAP				
SHEET NO.	203		659	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	0
35	0	281	1,149	0
36	12	42	597	0
37	0	154	734	0
38	6	780	1,206	0
33A	0	0	0	2,420
TOTAL	24	1,273	1,052	2,420

<p>ITEM 301-BITUMINOUS AGGREGATE BASE, AS PER PLAN</p> <p>GR. TYPE 5 EX. CR. BRIDGES A.A. TYPE A LENGTH FLARE</p> <p>AREA = $4' \times 13.625' \text{ LF} + 162.5' \text{ LF} + 12' (4' (25' + 3') + 40' \times 2 + 2')$</p> <p>LENGTH A.A. TYPE B</p> <p>VOLUME = $\frac{57,588.5 \text{ FT}^2 \times 3" + 12' \times 27}{53.3 \text{ YD}^3} = 6,389 \text{ SY.}$</p>
<p>ITEM SPECIAL- HERBICIDE FOR WEED CONTROL</p> <p>FROM ABOVE (ITEM 301 AREA) $\frac{57,588.5}{9} = 6,389 \text{ SY.}$</p>
<p>ITEM 407- TACK COAT</p> <p>$\frac{3,029.7 \text{ CY} \times 36 \text{ YD} + 87,255.4 \text{ S.Y.} + 87,255.4 \text{ S.Y.} \times 0.10 \text{ GAL}}{125 \text{ YD}} = 8,726 \text{ GAL.}$</p>
<p>ITEM 407- COVER AGGREGATE</p> <p>$\frac{87,255.4 \text{ S.Y.} \times 7 \text{ LBS.}}{2,000} = 305 \text{ TONS}$</p>

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

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	SIDE	604
			CATCH BASIN COVER CB-4
			EACH
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

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		