

EROSION CONTROL QUANTITIES

LAKE COUNTY
LAK-90/271-1.88/0.00

OHIO
FHWA REGION 5
FEDERAL PROJECT

49
185

EROSION CONTROL QUANTITIES						
SHEET NO.	REFERENCE NO.	LOCATION		SIDE	653	659
		FROM	TO		TOPSOIL FURNISHED AND PLACED AS PER PLAN C.Y.	SEEDING AND MULCHING S.Y.
COST PARTICIPATION I						
55	1E	31+00	34+00	LT	37	667
58	1E	22+35, RAMP D	23+55, RAMP D	LT	22	400
60	1E	27+25	27+65	LT	6	100
	2E	15+93	15+98	RT	1	16
	3E	23+12	23+32	RT	10	170
	4E	24+20	25+14	RT	6	105
COST PARTICIPATION II						
61	1E	93+87	94+13	LT	2	44
63	1E	116+00	116+16	RT	2	39
64	1E	122+28	122+63	LT	2	36
	2E	125+22	129+00	LT	185	3337
65	1E	8+08, RMP. G-H	18+00, RAMP H	RT	153	2756
67	1E	135+58	136+18	RT	8	147
	2E	18+00, RAMP H	24+75, RAMP H	RT	143	2565
	3E	129+00	139+50	LT	86	1542
68	1E	144+23	145+00	LT	14	250
	2E	146+68	147+38	LT	9	167
69	1E	162+43	163+10	RT	8	143
	2E	157+40	158+08	RT	13	231
71	1E	190+92	191+44	LT	3	50
	2E	191+91	196+00	LT	76	1363
	3E	191+54	191+64	RT	1	11
72	1E	196+00	197+50	LT	28	500
75	1E	281+37	281+60	RT	2	37
TOTALS					82	1,458
COST PARTICIPATION I					735	13,218
COST PARTICIPATION II						

EARTHWORK QUANTITIES			
SHEET NO.	203		659
	EXCAVATION NOT INCLUDING EMBANKMENT CONSTRUCTION	EMBANKMENT, AS PER PLAN	SEEDING & MULCHING
	C.Y.	C.Y.	S.Y.
● 86	1133	159	1280
● 87	1703	249	2670
● 88	1681	207	2824
● 89	1691	222	2670
● 90	1906	235	2724
▲ 90	271	15	412
▲ 91	3509	384	5153
▲ 92	4611	509	6622
▲ 93	19,960	127	12,318
▲ 94	8318	189	8099
▲ 95	5732	163	7067
▲ 96	3763	256	5733
▲ 97	2878	1447	5713
▲ 98	2699	1383	5282

EARTHWORK QUANTITIES			
SHEET NO.	203		659
	EXCAVATION NOT INCLUDING EMBANKMENT CONSTRUCTION	EMBANKMENT, AS PER PLAN	SEEDING & MULCHING
	C.Y.	C.Y.	S.Y.
▲ 99	2542	331	4722
▲ 100	2370	283	4203
▲ 101	2849	292	4890
▲ 102	2948	378	4890
▲ 103	2054	186	3689
▲ 104	1998	340	3426
▲ 105	2761	305	4778
▲ 106	2037	234	2632
▲ 107	1618	179	1489
▲ 107A	1918	411	1622
▲ 107B	1039	234	989
● 108	1120	146	1935
● 109	1775	950	3671
● 110	374	110	684
TOTALS			
● PARTICIPATION II	11383	2278	18458
▲ PARTICIPATION III	75,875	7,646	93,729

CALCULATIONS:

COST PARTICIPATION I

ITEM 659 - AGRICULTURAL LIMING

$$\text{FROM ITEM 659 } (1,458 + 37,820) \text{ SY X (100 LBS/1000 SF)} \\ \text{X (9 SF/1 SY) X (1 TON/2000 LBS)} = 17.68 \text{ TONS}$$

ITEM 659 - COMMERCIAL FERTILIZER

$$\text{FROM ITEM 659 } (1,458 + 37,820) \text{ SY X (20 LBS/1000 SF)} \\ \text{X (9 SF/1 SY) X (1 TON/2000 LBS)} = 3.54 \text{ TONS}$$

● COST PARTICIPATION II

ITEM 659 - AGRICULTURAL LIMING

$$\text{FROM ITEM 659 } (13,218 + 18,458 + 6,070) \text{ SY X (100 LBS/1000 SF)} \\ \text{X (9 SF/1 SY) X (1 TON/2000 LBS)} = 17.00 \text{ TONS}$$

ITEM 659 - COMMERCIAL FERTILIZER

$$\text{FROM ITEM 659 } (13,218 + 18,458 + 6,070) \text{ SY X (20 LBS/1000 SF)} \\ \text{X (9 SF/1 SY) X (1 TON/2000 LBS)} = 3.40 \text{ TONS}$$

▲ COST PARTICIPATION III

ITEM 659 - AGRICULTURAL LIMING

$$\text{FROM ITEM 659 } 93,729 \text{ SY X (100 LBS/1000 SF)} \\ \text{X (9 SF/1 SY) X (1 TON/2000 LBS)} = 42.18 \text{ TONS}$$

ITEM 659 - COMMERCIAL FERTILIZER

$$\text{FROM ITEM 659 } 93,729 \text{ SY X (20 LBS/1000 SF)} \\ \text{X (9 SF/1 SY) X (1 TON/2000 LBS)} = 8.44 \text{ TONS}$$

* EARTHWORK QUANTITIES

STATIONING	SIDE	203		659	
		EMBANKMENT, AS PER PLAN	SEEDING & MULCHING	EMBANKMENT, AS PER PLAN	SEEDING & MULCHING
FROM	TO			C.Y.	S.Y.
126+94.62	134+64.62	NB I-271	86	2,440	
0+00.20	52+00	NB I-271	580	16,470	
126+94.62	134+64.62	SB I-271	86	2,440	
0+00.20	52+00	SB I-271	580	16,470	
52+00	60+50	NB I-271	95	2,690	
52+00	62+67.71	SB I-271	120	3,380	
TOTALS					
COST PARTICIPATION I			1,332	37,820	
COST PARTICIPATION II			215	6,070	

* EMBANKMENT, AS PER PLAN AND SEEDING AND MULCHING QUANTITIES DUE TO TWO (2) FEET SHOULDER WIDENING.

ESTIMATED QUANTITIES CALCULATED AS PER SHOULDER DETAIL "A" ON SHEET NO. 7.

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 PLOT SUBMITTED BY: Lennon
 PLOT SUBMITTED: 21-SEP-1992 16:45
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