

# SUMMARY OF QUANTITIES

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

11  
146

LAKE COUNTY  
LAK: 91-(0.00)-(2,38)

EXCAVATION, EMBANKMENT, & SEEDING QUANTITIES							
SH. NO.	LOCATION	STATION		EXCAVATION	EMBANKMENT	EMB.+18%	L-9 SEEDING
		FROM	TO	CU. YDS.	CU. YDS.	CU. YDS.	SQ. YDS.
17	S.R. 91	038873	0+00	613	15	18	1,385
49	DRIVEWAYS			28	0	0	0
<b>TOTALS</b>				<b>641</b>	<b>15</b>	<b>18</b>	<b>1,385</b>
18	S.R. 91	0+00	10+00	1,713	492	581	5,671
19		10+00	20+00	2,278	156	184	5,042
20		20+00	30+00	1,722	489	577	5,566
21		30+00	40+00	2,465	85	100	5,098
22		40+00	50+00	1,631	635	749	5,687
23		50+00	60+00	8,386	2,131	2,515	6,412
24		60+00	70+00	10,074	6,577	7,761	6,457
25		70+00	80+00	20,880	48	57	6,831
26		80+00	90+00	16,281	676	798	8,183
27		90+00	100+00	7,747	5,735	6,767	7,034
28	100+00	104+55	1,387	1,293	1,526	2,270	
34	U.S.R. 6	0+83	5+00	2,338	313	369	3,412
35		7+00	12+77	3,263	338	399	3,370
36	EDDY ROAD	0+00	4+00	7,153	6	7	3,266
36		6+00	9+00	2,563	8	9	1,835
23	DIXON ROAD	0+50	2+75	1,510	13	15	1,113
27	TIMBERLINE RD.	0+50	1+00	129	0	0	161
33	MARTIN RD. 36" STORM SEWER			0	0	0	8500
49	DRIVEWAYS			648	0	0	0
50	DRIVEWAYS			2055	279	325	0
51	DRIVEWAYS			1,052	51	60	0
<b>TOTALS</b>				<b>95,275</b>	<b>19,325</b>	<b>22,799</b>	<b>85,908</b>
30	S.R. 91	125+7482	130+00	2,359	415	490	1,738
31		130+00	140+00	1,800	12,833	15,143	5,937
32		140+00	144+98	1,292	145	171	2,916
38	S.R. 84	116+66.30	118+76.46	176	59	70	865
38		122+00	125+05	784	77	91	1,493
37	MAPLE GROVE	3+00	13+50	2,692	2,960	3,493	5,675
51	DRIVEWAYS			117	436	515	0
<b>TOTALS</b>				<b>9,220</b>	<b>16,925</b>	<b>19,973</b>	<b>18,624</b>
<b>GRAND TOTALS</b>				<b>105,136</b>	<b>36,265</b>	<b>42,790</b>	<b>105,917</b>

EARTHWORK RECAP			
SHEET NO.	DESCRIPTION	AVAILABLE EMBANKMENT CU. YDS.	REQUIRED EMB.+18% CU. YDS.
11	EMBANKMENT		42 790
11	E-1 ROADWAY EXCAVATION	105,136	
14	E-3 CHANNEL EXCAVATION	20	
15A	E-8 REMOVAL & DISPOSAL OF RIGID PAV'T (16.476 SQ.YD X 1)	5,492	
<b>GRAND TOTAL</b>		<b>110,648</b>	<b>42,790</b>
<b>TOTAL SURPLUS EXCAVATION</b>		<b>67,858</b>	

E-I COMPACTED SUBGRADE		
SECTION	SH. NO. 15 & 15A	E-I
	TOTAL B-35 ASPHALTIC CON. LEVEL COURSE	COMPACTED SUBGRADE (B-35 x $\frac{36}{150}$ )
	CU. YDS.	SQ. YDS.
VILLAGE OF MAYFIELD HTS.	184	4,416
VILLAGE OF WILLOUGHBY HILLS	2913	69,912
CITY OF WILLOUGHBY	684	16,416

SECTION	L-9 SEED. & PROT.	L-9 SEED. & PROT. L-9(SQ.YDS)X9=	L-9 AGRICULTURAL LIMING L-9(SQ.FT.)x $\frac{100}{1,000}$ =	L-9 COMMERCIAL FERTILIZER L-9(SQ.FT.)x $\frac{20}{2,000}$ =
	SQ. YDS.	SQ. FT.	TONS	TONS
VILLAGE OF MAYFIELD HTS.	1,385	12,465	0.62	0.12
VILLAGE OF WILLOUGHBY HILLS	85,908	773,172	38.66	7.73
CITY OF WILLOUGHBY	18,624	167,616	8.38	1.68
<b>GRAND TOTALS</b>	<b>105,917</b>	<b>953,253</b>	<b>47.66</b>	<b>9.53</b>

E-II WATER						
SECTION	SHEET NO. 11	SHEET NO. 15 & 15A			TOTAL MATERIAL REQUIRING WATER	E-II @0.005 M-GAL. PER. CU.YD.
	EMBANKMENT +18%	B-19 AGGREGATE BASE COURSE	I-18 STAB. CRUSHED AGGREGATE	I-22 SUBBASE		
	CU. YDS.	CU. YDS.	CU. YDS.	CU. YDS.	CU. YDS.	M. GAL.
VILLAGE OF MAYFIELD HTS.	18	20	51	174	263	1.315
VILLAGE OF WILLOUGHBY HILLS	22,799	1131	98	12,159	36,187	180.935
CITY OF WILLOUGHBY	19,973	380	57	2,772	23,181	115.905

STABILIZING AGGREGATE WITH CALCIUM CHLORIDE			
SECTION	TOTAL I-18	SPECIAL	
	(6" DEPTH) FROM SHEET No 13	FURNISHING AND MIXING CALCIUM CHLORIDE WITH AGGREGATE	
	CU. YDS.	SQ. YDS.	
VILLAGE OF MAYFIELD HEIGHTS	51	306	
VILLAGE OF WILLOUGHBY HILLS	98	588	
CITY OF WILLOUGHBY	56	336	