

EXCAVATION, EMBANKMENT AND SEEDING

PROJECT No. AND CODE TYPE	SEE SHEET No.	DESCRIPTION	E-101			L-9
			ROADWAY EXCAVATION	ROADWAY EMBANKMENT	CHANNEL EMBANKMENT	SEEDING AND PROTECTING
			Cu. Yd.	Cu. Yd.	Cu. Yd.	Sq. Yd.
F-388 (10) 7221	28	S.R. 44	744.537	831.306		2131.35
	123	RAMP C	4.991	46.791		12.407
	129	RAMP D	4.72	40.307		4.464
	143	S.R. 84	4.727	10.44		3.436
	154	MORLEY ROAD	1326	34.239		9.614
	161	PROUTY ROAD	2212	21		2680
	170	AUBURN ROAD	354	209.15		5268
	174	AUBURN Rd. - S.R. 44 INTERSECTION	2.490			1230
	179	S.R. 44			2.85	
	183	S.R. 44			31	
	188	S.R. 44			46	
	191	S.R. 44			33.4	
195	S.R. 44			5.4		
12	TOTAL TO GEN'L. SUMMARY	7611.09	974.623	750	2582.94	
6201	168	AUBURN ROAD	50.43	1138		8087
	12	TOTAL TO GEN'L. SUMMARY	50.43	1138		8087

E-11 WATER

SEE SHEET No.	DESCRIPTION	CALCULATION AND QUANTITY	
		F-388(10)-7221	-6201
11	ROADWAY EMBANKMENT * 5'-1000	974623 * .005 = 4873.1	1138 * .005 = 5.7
11	CHANNEL EMBANKMENT * 5'-1000	750 * .005 = 3.8	
13	I-18 * 5'-1000	5548.5 * .005 = 27.7	
13	I-22 * 5'-1000	20084.8 * .005 = 100.4	470.4 * .005 = 2.3
12	TOTAL M-GAL. E-11 TO GEN'L. SUMMARY	5005.0	8.0

E-9 REMOVAL OF TREES AND STUMPS

SEE SHEET No.	LOCATION	DIAMETER				
		F-388(10) - 7221		-6201		
		12" to 18"	18" to 24"	24" to 30"	12" to 18"	18" to 24"
220	AUBURN Rd.				2	2
221	S.R. 44 & AUBURN Rd.	105	29	21		
222	S.R. 44	48	10			
223	S.R. 44 & PROUTY Rd.	65	21	4		
224	S.R. 44	84	18	3		
225	S.R. 44	272	78	17		
226	S.R. 44 & MORLEY Rd.	66	19	6		
227	S.R. 44 & S.R. 84	19	2	11		
TOTAL		659	177	62	2	2
Totals Carried to Sh. 12		LUMP		LUMP		

L-9 COMMERCIAL FERTILIZER

SEE SHEET No.	DESCRIPTION	CALCULATION AND QUANTITY	
		F-388(10) - 7221	-6201
11	L-9 SEEDING AREA * 9/1000 * 20/2000	258294 * .009 * .01 = 23.25	8087 * .009 * .01 = 0.73
12	TOTAL TONS TO GENERAL SUMMARY	23.25	0.73

E-101 COMPACTED SUBGRADE

SEE SHEET No.	DESCRIPTION	QUANTITY
		S. Y.
11	T-31 SURFACE AREA =	34689.7
13	T-71 SURFACE AREA =	64460.2
13	I-7 SURFACE AREA =	749.7
13	I-12 CURB AREA = LIN. FT. TYPE G * WIDTH = 572.9 * 1/2 * 9 =	31.8
13	I-12 CURB AREA = LIN. FT. TYPE 2A * WIDTH = 675.2 * 1/2 * 9 =	37.5
13	I-12 CURB AREA = LIN. FT. SPECIAL * WIDTH = 608.4 * 1 * 9 =	67.6
13	I-21 TYPE I MEDIAN AREA =	35.5
13	I-21 MEDIAN PAVEMENT AREA =	18.0
150	E-101 S.R. 84 WIDENING =	1096.3
151	E-101 S.R. 84 WIDENING =	1618.0
10	B-119 SURFACE AREA	2430.5
12	TOTAL SQ. YD. E-101 TO GENERAL SUMMARY F-388(10)-7221	105,234.8
10	B-119 SURFACE AREA = TOTAL FOR CODE 6201	4512.0

L-9 AGRICULTURAL LIMING MATERIAL

SEE SHEET No.	DESCRIPTION	CALCULATION AND QUANTITY	
		F-388(10) - 7221	-6201
11	L-9 SEEDING AREA * 9/1000 * 100/2000	258294 * .009 * .05 = 116.23	8087 * .009 * .05 = 3.64
12	TOTAL TONS TO GENERAL SUMMARY	116.23	3.64

E-4 BORROW

SEE SHEET No.	DESCRIPTION	CALCULATION AND QUANTITY	
		F-388(10)-7221	-6201
11	ROADWAY EMBANKMENT PLUS 15%	974623 * .15 + 1120816	1138 * .15 = 170.7
11	CHANNEL EMBANKMENT PLUS 15%	750 * .15 = 112.5	863
11	E-101 ROADWAY EXCAVATION	- 7611.09	- 504.3
12	E-2 EXCAVATION FOR STRUCTURE	- 3677	
12	E-3 CHANNEL EXCAVATION	- 14819	
12	E-8 EXISTING PAVEMENT REMOVAL	- 847	
12	E-8 EXISTING PAVEMENT REMOVAL	- 1775	
12	EXCAVATION AVAILABLE FROM BRIDGES		
TOTAL CU. YD.		+ 338442	* - 873.4
		- 3734	
12	TOTAL TO GENERAL SUMMARY	335708	

\*INDICATES EXCESS EXCAVATION AVAILABLE TO REDUCE BORROW

T-31 BITUMINOUS SURFACE TREATMENT

SEE SHEET No.	DESCRIPTION	T-31	T-31	T-31
		BITUMINOUS SURFACE TREATMENT	No. 6 AGGREGATE	BITUMINOUS MATERIAL
		Sq. Yd.	Cu. Yd.	GAL.
10	S.R. 44 & RAMPS C & D	28975.9		
134	RAMP C	1448.8		
135	RAMP D	1222.2		
136	RAMP D	1562.7		
158	RAMP D	142.3		
174	S.R. 44 - AUBURN Rd. INTERSECTION	902.6		
175	S.R. 44	415.2		
TOTAL SURFACE AREA		34689.7		
SURFACE AREA * 0.008 =		34689.7 * 0.008	277.5	
SURFACE AREA * 0.25 =		34689.7 * 0.25		8672.4
13	TOTAL TO GENERAL SUMMARY		277.5	8672.4