

* AREA BY COMPUTER CALCULATION

EARTHWORK			203	203	870
STREET	SHEET	STATION TO STATION	EXCAVATION NOT INCLUDING EMBANKMENT CONSTRUCTION	EMBANKMENT	SEEDING AND MULCHING
			CU.YDS.	CU.YDS.	SQ.YDS.
S.R. 615	98	STA. 11+00 TO STA. 11+50	60	717	356
S.R. 615	99	STA. 11+50 TO STA. 12+00	152	2211	861
S.R. 615	100	STA. 12+00 TO STA. 12+50	509	4450	1083
S.R. 615	101	STA. 12+50 TO STA. 13+00	746	4213	1194
S.R. 615	102	STA. 13+00 TO STA. 13+50	173	1711	1000
S.R. 615	103	STA. 13+50 TO STA. 14+00	32	691	608
S.R. 615	104	STA. 14+00 TO STA. 15+00	23	402	678
S.R. 615	105	STA. 15+00 TO STA. 17+50	182	434	1356
S.R. 615	106	STA. 17+50 TO STA. 19+00	72	2587	1071
S.R. 615	107	STA. 19+00 TO STA. 21+00	205	4147	1572
S.R. 615	108	STA. 21+00 TO STA. 22+50	112	379	785
S.R. 615	109	STA. 22+50 TO STA. 24+50	7	1938	1081
S.R. 615	110	STA. 24+50 TO STA. 26+00	6	3185	947
S.R. 615	111	STA. 26+00 TO STA. 27+00	0	2878	589
S.R. 615	112	STA. 27+00 TO STA. 28+03.85	0	2421	555
S.R. 615	113	STA. 31+97.29 AHEAD TO STA. 32+50	56	1800	1329
S.R. 615	114	STA. 32+50 TO STA. 33+00	34	1032	686
S.R. 615	115	STA. 33+00 TO STA. 34+00	77	5023	2231
S.R. 615	116	STA. 34+00 TO STA. 34+50	37	1741	726
S.R. 615	117	STA. 34+50 TO STA. 35+00	36	1755	701
S.R. 615	118	STA. 35+00 TO STA. 36+00	59	3630	1382
S.R. 615	119	STA. 36+00 TO STA. 37+00	7	3319	929
S.R. 615	120	STA. 37+00 TO STA. 38+00	0	4337	729
S.R. 615	121	STA. 38+00 TO STA. 39+00	7	5876	885
S.R. 615	122	STA. 39+00 TO STA. 40+00	31	7031	1069
S.R. 615	123	STA. 40+00 TO STA. 41+00	31	8213	1219
S.R. 615	124	STA. 41+00 TO STA. 42+00	8	7176	1064
S.R. 615	125	STA. 42+00 TO STA. 42+50	0	2058	408
S.R. 615	126	STA. 42+50 TO STA. 44+00	669	1195	272
S.R. 615	127	STA. 44+00 TO STA. 46+00	4677	0	1232

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			CU.YDS.	CU.YDS.	SQ.YDS.
S.R. 615	128	STA. 46+00 TO STA. 47+50	1792	0	646
S.R. 615	129	STA. 47+50 TO STA. 49+00	1168	0	561
S.R. 615	130	STA. 49+00 TO STA. 50+50	617	121	589
S.R. 615	131	STA. 50+50 TO STA. 52+50	108	937	1153
S.R. 615	132	STA. 52+50 TO STA. 54+50	218	1208	1258
S.R. 615	133	STA. 54+50 TO STA. 55+50	497	72	397
S.R. 615	134	STA. 55+50 TO STA. 57+50	2064	105	935
S.R. 615	135	STA. 57+50 TO STA. 59+50	378	902	1221
S.R. 615	136	STA. 59+50 TO STA. 61+50	578	421	1132
S.R. 615	137	STA. 61+50 TO STA. 63+50	931	107	763
S.R. 615	138	STA. 63+50 TO STA. 65+50	979	81	800
S.R. 615	139	STA. 65+50 TO STA. 67+50	628	196	968
S.R. 615	140	STA. 67+50 TO STA. 69+50	239	579	1125
S.R. 615	141	STA. 69+50 TO STA. 71+50	424	334	938
S.R. 615	142	STA. 71+50 TO STA. 73+50	824	123	669
S.R. 615	143	STA. 73+50 TO STA. 75+00	821	37	560
S.R. 615	144	STA. 75+00 TO STA. 76+50	922	4	479
ADDITIONAL QUANTITY--SLOPE UNDER BRIDGE END SPANS					
S.R. 615	69	STA. 28+07 TO STA. 28+38	0	0	233*
S.R. 615	71	STA. 31+61 TO STA. 31+94	0	0	217*
ADDITIONAL QUANTITY FOR PAVEMENT REMOVAL AREA STA. 10+00 TO STA. 20+10					
S.R. 615	42		461	910	2918
DEDUCTION FOR PAVEMENT REMOVED					
S.R. 615	42		-2314	0	0
TOTAL QUANTITIES CARRIED TO GENERAL SUMMARY			19343	92687	46,160

ADDITIONAL QUANTITIES FOR PAVEMENT REMOVAL AREA STA. 10+00 TO STA. 20+10

ITEM 203 - EXCAVATION NOT INCLUDING EMBANKMENT CONSTRUCTION
 TOTAL AREA OF EXISTING PAVEMENT SECTION = 24.33 SQ.FT.*
 TOTAL AREA OF RIGID PAVEMENT SECTION = 12.00 SQ.FT.*
 REMAINING AREA OF EXISTING PAVEMENT SECTION = 12.33 SQ.FT.

STA. 10+00 TO STA. 20+10 = 1010 LIN.FT.
 1010 LIN.FT. X 12.33 SQ.FT. / 27 CU.FT. PER CU.YD. = 461.2 → 461 CU.YD.

ITEM 203 - EMBANKMENT
 TOTAL AREA OF EXISTING PAVEMENT SECTION = 24.33 SQ.FT.

STA. 10+00 TO STA. 20+10 = 1010 LIN.FT.
 1010 LIN.FT. X 24.33 SQ.FT. / 27 CU.FT. PER CU.YD. = 910.1 → 910 CU.YD.

ITEM 870 - SEEDING AND MULCHING
 STA. 10+00 TO STA. 20+10 = 1010 LIN.FT.
 1010 LIN.FT. X 26 FT. WIDTH / 9 SQ.FT. PER SQ.YD. = 2917.8 → 2918 SQ.YD.

(QUANTITIES CARRIED TO EARTHWORK SUB SUMMARY TABLE)

ITEM 202 - PAVEMENT REMOVED
 STA. 10+00 TO STA. 25+00 = 1500 LIN.FT.
 1500 LIN.FT. X 16 FT. / 9 SQ.FT. PER SQ.YD. = 2666.7 → 2667 SQ.YD.

STA. 40+00 TO STA. 77+06.36 = 3706.36 LIN.FT.
 3706.36 LIN.FT. X 16 FT. / 9 SQ.FT. PER SQ.YD. = 6589.1 → 6589 SQ.YD.
 9256 SQ.YD.

EXCAVATION DEDUCTION FOR PAVEMENT REMOVED
 9256 SQ.YD. X 9 SQ.FT. PER SQ.YD. X 9" DEPTH / 12" PER FT. / 27 CU.FT. PER CU.YD. = 2314 CU.YD.
 (QUANTITY CARRIED TO EARTHWORK SUB SUMMARY TABLE)

ITEM 870 - TOPSOIL
 SEEDING AREA X 2" DEPTH
 46,160 SQ.YD. X 2" / 36" PER YD. = 2,564.4 → 2564 CU.YD.

ITEM 870 - AGRICULTURAL LIMING
 RATE = .092 lbs./SQ.FT.
 SEEDING AREA X 9 SQ.FT. PER SQ.YD. X .092 lbs. PER SQ.FT. / 2000 lbs PER TON
 46,160 SQ.YD. X 9 SQ.FT. PER SQ.YD. X .092 lbs. PER SQ.FT. / 2000 lbs. PER TON = 19.11 TON

ITEM 870 - COMMERCIAL FERTILIZER
 RATE = .03 lbs./SQ.FT.
 SEEDING AREA X 9 SQ.FT. PER SQ.YD. X .03 lbs. PER SQ.FT. / 2000 lbs PER TON
 46,160 SQ.YD. X 9 SQ.FT. PER SQ.YD. X .03 lbs. PER SQ.FT. / 2000 lbs. PER TON = 6.23 TON

H:\CT\97125\SDSK\EARSSUBM615.DWG - PLOT SCALE = 1:1

CALCULATED
J.C.C.
CHECKED
J.M.P.

EARTHWORK SUB-SUMMARY

LAK-IR90/SR615-9.26/1.51