COMPUTED BY: MTP	DATE: 09/29/14
CHECKED BY: SCL	DATE: 10/21/14

PROJECT REFERENCE NO.	SHEET NO.
R-4903	3B-1

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SUMMARY OF EARTHWORK

VOLUME IN CUBIC YARDS

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT + 25%	BORROW	WASTE
-DET1- 10+00.00 (-Y02- 267+13.69) TO 30+08.81 (287+09.27)	552	0	1,106	554	0
-DET2- 10+00.00 (-Y02- 266+34.55) TO 22+21.99 (278+53.75)	525	0	3,714	3,189	0
-DET2- 24+22.87 (-Y02- 280+55.34) TO 30+67.58 (286+95.20)	268	0	255	0	13
DETOUR SUBTOTAL:	1,345	0	5,075	3,743	13
-L- 16+60.00 TO 40+00.00	18,605	0	5,819	0	12,786
-Y01- 22+50.00 TO 44+12.47	2,834	0	10,948	8,114	0
-Y03- 10+12.00 TO 13+76.83	371	0	356	0	15
-Y03- 21+57.30 TO 26+71.44	1,329	0	310	0	1,019
SUBTOTAL 1:	23,139	0	17,433	8,114	13,820
-L- 40+00.00 TO 66+69.00	184,582	3,404	40,216	0	147,770
-Y02- EB 259+00.00 TO 278+64.68	6,581	0	6,078	0	504
-Y02- WB 267+50.00 TO 278+69.91	1,267	0	569	0	698
-RMPB- 16+15.00 TO 27+11.47	68,768	0	0	0	68,768
-LPB- 12+38.00 TO 16+01.00	9,676	0	3	0	9,674
-Y02- EB 280+21.76 TO 290+45.00	1,018	0	2,715	1,779	82
-Y02- WB 280+27.83 TO 304+00.00	1,804	249	9,136	7,524	441
-RMPD- 14+50.00 TO 23+66.24	26,341	1,052	21,148	0	6,246
-LPD- 12+35.00 TO 15+00.00	344	0	13,366	13,022	0
SUBTOTAL 2:	300,381	4,705	93,230	22,326	234,182
-L- 67+50.00 TO 75+10.00	2,525	0	3,613	1,088	0
-SR1- 10+75.00 TO 11+92.87	376	0	14	0	362
-SR1- 20+90.00 TO 23+60.94	61	0	3,126	3,065	0
-DRV1- 10+18.00 TO 11+75.00	49	0	978	929	0
SUBTOTAL 3:	3,011	0	7,730	5,081	362
PROJECT SUBTOTAL:	327,876	4,705	123,468	39,263	248,377

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT + 25%	BORROW	WASTE
PROJECT SUBTOTAL:	327,876	4,705	123,468	39,263	248,377
ADDITIONAL UNDERCUT	0	3,900	4,875	4,875	3,900
SELECT MATERIAL IN LIEU OF BORROW	0	0	-5,300	-5,300	0
WASTE IN LIEU OF BORROW	0	0	0	-38,838	-38,838
PROJECT TOTAL:	327,876	8,605	123,043	0	213,439
GRAND TOTAL:	327,876	8,605	123,043	0	213,439
SAY:	330,000				

EST. SHALLOW UNDERCUT = 300 CY
CLASS IV SUBGRADE STABILIZATION = 600 TONS
EST. DDE = 2,500 CY
SHOULDER BORROW = 6,600 CY

EARTHWORK TOTALS FOR ALTERNATE PAVEMENT DESIGN

PROJECT SUBTOTAL:	327,876	4,705	123,468	39,263	248,377
ADJUSTMENT FOR ALTERNATE PAVEMENT DESIGN	6,314	165	-6,978	-5,732	7,725
ADDITIONAL UNDERCUT	0	3,900	4,875	4,875	3,900
SELECT MATERIAL IN LIEU OF BORROW	0	0	-5,300	-5,300	0
WASTE IN LIEU OF BORROW	0	0	0	-33,106	-33,106
PROJECT TOTAL:	334,190	8,770	116,065	0	226,896
GRAND TOTAL:	334,190	8,770	116,065	0	226,896
SAY:	337,000				

EST. SHALLOW UNDERCUT = 300 CY
CLASS IV SUBGRADE STABILIZATION = 600 TONS
EST. DDE = 2,500 CY
SHOULDER BORROW = 12,100 CY

Earthwork quantities are calculated by the Roadway Design Unit. These earthwork quantities are based in part on subsurface data provided by the Geotechnical Engineering Unit.

Quantities are approximate only. The Resident Engineer will recross-section the work accurately when the project is staked out. These cross-section notes will be used in computing the final quantities for which the contractor will be paid.

SEE SHEETS 2H-1 AND 2H-2 FOR EARTHWORK WASTE DISPOSAL

4/04/06
23-OCT-2014 08:30
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