12/06/07

COMPUTED BY: WAD	DATE: 5/22/2014
CHECKED BY: L. JAH	DATE: 10/7/2015

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.	SHEET NO.
B-5128	3B-1

SUMMARY OF EARTHWORK IN CUBIC YARD

STATION	STATION	UNCL. EXCAV.	EMBANK. +%	BORROW	WASTE
11+50.00	16+74.00	100	972	872	
SUBTOTALS:		100		872	
PROJECT TOTALS:		100	972	872	
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT				44	
GRAND TOTALS:		100		916	
SAY:		110		1010	

UNDERCUT EXCAVATION = 400 CY (CONTINGENCY
SELECT GRANULAR MATERIAL = 400 CY (CONTINGENCY)
UNDERDRAINS = 400 LF (CONTINGENCY)
GEOTEXTILE FOR SOIL STABILIZATION = 500 SY (CONTINGENCY)

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.

Note: Approximate quantities only. Unclassified Excavation, Borrow Excavation, Fine Grading, Clearing and Grubbing, Breaking of Existing Pavement, and Removal of Existing Pavement will be paid for at the contract lump sum price for "Grading."

SUMMARY OF REMOVAL EXISTING ASPHALT PAVEMENT

SURVEY LINE	STATION	STATION	LOCATION	YD^2
-L-	12+50.00	13+00.00	LT&RT	111.11
-L-	14+50.00	16+00.00	LT&RT	333.33
			TOTAL:	444.44
			SAY:	450

SUMMARY OF BREAKING OF EXISTING ASPHALT PAVEMENT

SURVEY LINE	STATION	STATION	LOCATION	YD^2
-L-	13+00.00	13+52.97	LT&RT	117.71
-L-	13+88.00	14+50.00	LT&RT	137.78
			TOTAL:	255.49
			SAY:	260

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48" & UNDER)

| STATION / SIZE / THICKNESS OR GAUGE | LOCATION (LT,RT, OR CL) | STRUCTURE NO. FROM | STRUCTURE NO. TO | TOP ELEVATION | INVERT ELEVATION | INVERT ELEVATION | SLOPE CRITICAL | DRAINAGE PIPE (RCP, CSP, CAAP, HDPE, or PVC) 12" | 15" | 18" | 24" | 30" | 36" | 42" | 48" | C.S. PIPE (UNLESS NOTED OTHRWISE) 12" | 15" | 18" | 24" .064 | 24" .064 | 30" .079 | 30" .079 | 36" .109 | 36" .109 | 42" .109 | 48" .109 | CLASS III R.C. PIPE (UNLESS OTHERWISE NOTED) 12" | 15" | 18" | 24" | 30" | 36" | 42" | 48" | 15" SIDE DRAIN PIPE | 18" SIDE DRAIN PIPE | 24" SIDE DRAIN PIPE | ENDWALLS STD. 838.01, STD. 838.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE) CU. YDS. R.C.P. | ENDWALLS CU. YDS. C.S.P. | QUANTITIES FOR DRAINAGE STRUCTURES * TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL. 'B') LIN. FT. PER EACH (0' THRU 5.0') | LIN. FT. A 5.0' THRU 10.0' | LIN. FT. B 10.0' AND ABOVE | C.B. STD. 840.01 OR STD. 840.02 | FRAME, GRATES AND HOOD STANDARD 840.03 TYPE OF GRATE E | F | G | PIPE REMOVAL LIN.FT. | REMARKS |
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