12/06/07

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STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PLANS PREPARED BY :
PARSONS
RALEIGH, NORTH CAROLINA, (919) 854-1345
NC LICENSE NO. F-0246
FOR NORTH CAROLINA DEPT. OF TRANSPORTATION

PROJECT REFERENCE NO.	SHEET NO.
B-5164	3-A

SUMMARY OF EARTHWORK
(in cubic yards)

STATION	STATION	UNCL. EXCAV.	UNDERCUT	EMBANK. +%	BORROW	WASTE
13+70.00 –L–	15+05.81 –L–	7		38	31	
	BEGIN BRIDGE					
SUBTOTALS:		7		38	31	
16+23.19 –L–	17+60.00 –L–	46		11		36
END BRIDGE						
SUBTOTALS:		46		11		36
PROJECT TOTALS:		53		49	31	36
WASTE IN LIEU OF BORROW					–31	–31
GRAND TOTALS:		53		49	0	4
SAY:		60				

UNDERCUT = 200 CY PER GEOTECHNICAL RECOMM. DATED 8/28/2012
SHALLOW UNDERCUT = 100 CY PER GEOTECHNICAL RECOMM. DATED 8/28/2012
SELECT GRANULAR MATERIAL = 200 CY PER GEOTECHNICAL RECOMM. DATED 8/28/2012
CLASS IV SUBGRADE STABILAIZTION = 200 TON PER GEOTECHNICAL RECOMM. DATED 8/28/2012

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

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.

PAVEMENT REMOVAL SUMMARY

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	YD²
–L–	14+82	15+25	CL	78.12
–L–	16+10	16+47	CL	66.10
			TOTAL:	144.22
			SAY:	150

SHOULDER BERM GUTTER SUMMARY

SURVEY LINE	STATION	STATION	LENGTH
–L– LT.	16+34.19	16+50.00	15.81
–L– RT.	16+34.19	16+50.00	15.81
		TOTAL:	31.62
		SAY:	32

NOTE: Invert Elevations are for Bid Purposes only and shall not be used for project construction stakeout. See "Standard Specifications For Roads and Structures, Section 300–5".

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" | DO NOT USE RCP | DO NOT USE CSP | DO NOT USE CAAP | DO NOT USE HDPE | C.S. PIPE 12" | 15" | 18" | 24" | 36" | 42" | 48" | R.C. PIPE (CLASS III) 15" | 18" | 24" | 30" | 36" | 42" | 48" | R.C. PIPE (CLASS IV) 12" | 15" | 18" | 24" | 30" | 36" | 42" | 48" | *** R. C. PIPE (CLASS V) | ** R. C. PIPE CULVERTS, CONTRACTOR DESIGN PIPE | *** R. C. PIPE CULVERTS, CONTRACTOR DESIGN PIPE | 15" SIDE DRAIN PIPE | 18" SIDE DRAIN PIPE | ENDWALLS STD. 838.01, STD. 838.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE) R.C.P. | C.S.P. | QUANTITIES FOR DRAINAGE STRUCTURES * TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. "A" + (1.3 X COL. "B") 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 | | CONCRETE TRANSITIONAL SECTION CATCH BASIN | DROP INLET | FRAMES AND NARROW SLOT FLAT GRATES STD. 840.29 | T.B.D.I. STD. 840.35 | | | | DRAINAGE PIPE ELBOWS NO. & SIZE | CONC. COLLARS CL. "B" C.Y. STD 840.72 | CONC. & BRICK PIPE PLUG, C.Y. STD. 840.71 | PIPE REMOVAL LIN.FT. | REMARKS |
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