DocuSign Envelope ID: D5248AC9-FBB8-4416-AE8B-83019A409341

12/06/07

COMPUTED BY: ANK	DATE: 9/17/18
CHECKED BY: CJY	DATE: 9/17/18

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.	SHEET NO.
17BP.14.R.180	3B-1

SUMMARY OF EARTHWORK

STATION	STATION	UNCL. EXCAV. (CY)	EMBANK. +%	BORROW (CY)	WASTE
-L- 10+14.00	-L- 12+01.88	35	342	307	0
-L- 12+74.13	-L- 14+30.00	18	251	233	0
SUBTOTALS:		53	593	540	0
-Y- 10+10.00	-Y- 11+20.00	31	60	29	0
SUBTOTALS:		31	60	29	0
PROJECT TOTALS:		84	653	569	0
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT				28	
GRAND TOTALS:		84	653	597	0
SAY:		100		660	

EST. UNDERCUT = 50 CY (CONTINGENCY)
EST. SELECT GRANULAR MATERIAL = 50 CY (CONTINGENCY)
EST. GEOTEXTILE FOR SOIL STABILIZATION = 50 SY (CONTINGENCY)

PAVEMENT REMOVAL SUMMARY

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	YD^2
-L-	10+03.85	10+46.05	RT	2.94
-L-	10+30.15	10+35.81	LT	0.09
-L-	10+50.00	12+08.84	LT	164.08
-L-	10+50.00	12+08.84	RT	159.62
-L-	12+78.88	14+00.00	LT	135.68
-L-	12+78.88	14+00.00	RT	133.76
-L-	14+00.00	14+30.00	CL	59.53
-Y-	10+10.00	11+00.00	LT	103.26
-Y-	10+10.00	11+00.00	RT	190.85
-Y-	11+00.00	11+20.00	CL	38.49
			TOTAL:	1,150.93
			SAY:	1,160

NOTE: APPROXIMATE QUANTITIES ONLY. UNCLASSIFIED EXCAVATION, FINE GRADING, CLEARING AND GRUBBING, REMOVAL OF EXISTING ASPHALT PAVEMENT, AND REMOVAL OF EXISTING CONCRETE PAVEMENT WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR "GRADING."

SHOULDER BERM GUTTER SUMMARY

SURVEY LINE	STATION	STATION	LENGTH (LF)
-L- RT	12+85	12+91	6
TOTAL:			6
SAY:			6

NOTE:
INVERT ELEVATIONS INDICATED ARE FOR BID PURPOSES ONLY AND SHALL NOT BE USED FOR PROJECT CONSTRUCTION STAKE OUT. 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" .064 | 15" .064 | 18" .064 | 24" .064 | 36" .079 | 42" .109 | 48" .109 | 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) CU. YDS. 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') LIN. +FT. PER EACH (0' THRU 5.0') | A 5.0' THRU 10.0' | 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.G.D.I. STD. 840.35 | G.D.I. (N.S.) FRAME WITH GRATE STD. 840.24 | G.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24 | 15" C.S. ELBOW | CORR. STEEL 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 |
|---|---|---|---|---|---