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5/28/99

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.
U-2524BC	3B-1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK

STATION	STATION	UNCL. EXCAV.	UNDERCUT	EMBANK. + % 20	BORROW	WASTE
-L- 13+73	-L- 41+00	12,955		1,032		11,923
-L- 57+12	-L- 64+76	403		66		337
SUBTOTALS:		13,358		1,098		12,260
-RPCA- 15+00	-RPCA- 27+50	1,524		2,761	1,237	
SUBTOTALS:		1,524		2,761	1,237	
-Y- 11+00	-Y- 15+88 (BEGIN BRIDGE)	407		198		209
-Y- 18+32 (END BRIDGE)	-Y- 22+00	376		323		53
SUBTOTALS:		783		521		262
PROJECT TOTALS:		15,665		4,380	1,237	12,522
LOSS DUE TO CLEARING & GRUBBING PER GEOTECH RECS		-30				-30
WASTE IN LIEU OF BORROW					-1,237	-1,237
GRAND TOTALS:		15,635		4,380		11,255
SAY:		15,750				

CONTINGENCY UNDERCUT EXCAVATION PER GEOTECH RECS: 150 CY
SHALLOW UNDERCUT CONTINGENCY PER GEOTECH RECS: 1,100 CY
CLASS IV SUBGRADE STABILIZATION CONTINGENCY PER GEOTECH RECS: 2,200 TONS
EST. SHOULDER BORROW: 1,860 CY

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

REMOVAL OF EXISTING ASPHALT PAVEMENT

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	YD^2
-L-	13+74	36+44	LT	3,217.92
-L-	57+12	64+76 -RPD-	LT	786.39
-RPCA-	10+00	21+32.96	LT	1,614.43
-RPCA-	21+32.96	27+50	LT	358.96
-RPA-	10+00	13+20	LT	448.70
-Y-	11+00	22+00	CL	4154.10
-L-	22+73	31+49	CL	1,784.00
-L-	26+79	27+73	RT	119.13
			TOTAL:	12,483.63
			SAY:	12,490

W = TOTAL WIDTH OF FLARE FROM BEGINNING OF TAPER TO END OF GUARDRAIL.
G = GATING IMPACT ATTENUATOR TYPE 350
NG = NON-GATING IMPACT ATTENUATOR TYPE 350
"N" = DISTANCE FROM EDGE OF LANE TO FACE OF GUARDRAIL.
TOTAL SHOULDER WIDTH = DISTANCE FROM EDGE OF TRAVEL LANE TO SHOULDER BREAK POINT.
FLARE LENGTH = DISTANCE FROM LAST SECTION OF PARALLEL GUARDRAIL TO END OF GUARDRAIL.

GUARDRAIL SUMMARY

SURVEY LINE	BEG. STA.	END STA.	LOCATION	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOUL. WIDTH	FLARE LENGTH		W		ANCHORS								IMPACT ATTENUATOR TYPE 350 TL-2			SINGLE FACED GUARDRAIL	REMOVE EXISTING GUARDRAIL	REMOVE AND STOCKPILE EXISTING GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	XI MOD	XI	GRAU 350	M-350	B-77	CAT-1	VI MOD	BIC	AT-1	EA	G	NG				
-L-	22+73.13	31+48.87	CL	875.00					12	15	50.00		1.00				1											876		TIE TO EXIST.
-L-	25+39.93	30+05.65	CL	462.50					12	15																		462		TIE TO EXIST. (2-SITES)
-L-	57+12.25	58+62.25	LT	150.00					12	15	50.00		1.00				1											94		TIE TO EXIST.
-RPCA-	11+58.50	13+20.00 -RPA-	LT	1275.00				11+60	14	17										1								1415		TIE TO PROP. U-2524C GUARDRAIL AT STA. 13+20 -RPA-
-RPCA-	26+91.21	27+51.73	LT	62.50				BRIDGE	10	13									1	1								45		TIE TO EXIST. BRIDGE RAIL
-Y-	13+78.77	15+91.18	RT	212.50			BRIDGE		6	11	50.00		1.00				1		1									92		
-Y-	14+98.01	15+85.56	LT	87.50				BRIDGE	6	11		68.75		1.38			1		1									91		
-Y-	18+35.18	19+22.74	RT	87.50				BRIDGE	6	11		68.75		1.38			1		1									92		
-Y-	18+29.56	20+44.23	LT	212.50			BRIDGE		6	11	50.00		1.00				1		1									92		
SUBTOTAL				3425.00													6		5	2								3259		
		DEDUCT FOR ANCHOR UNITS																												
		GRAU 350 6 @ 50' =		-300			ADDITIONAL GUARDRAIL POST: 5 EA																							
		B-77 5 @ 18.75' =		-93.75																										
		CAT-1 2 @ 6.25' =		-12.50			TEMPORARY ANCHOR UNITS (SEE TMP-5)																							
TOTAL				3018.75			GRAU 350: 1 EA										6		5	2								3259		
SAY				3025.00			B-77: 1 EA										6		5	2								3260		

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