COMPUTED BY: DBG	DATE: 10-2025
CHECKED BY: AIA	DATE: 10-2025

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-4753	3B-1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK

STATION	STATION	UNCL. EXCAV.	UNDERCUT	EMBANK.	BORROW	WASTE
-L- 9+15.15 LT	-L- 15+00.00 LT	356		104		252
SUBTOTALS:		356		104		252
-L- 9+15.15 RT	-L- 15+00.00 RT	809		8		801
SUBTOTALS:		809		8		801
-L- 15+00.00 LT	-L- 43+00.00 LT	2,159		1,961		198
-Y1- 10+00.00	-Y1- 18+50.00	1,906		1,321		585
-Y3- 12+45.00	-Y3- 13+56.00	85		6		79
SUBTOTALS:		4,150		3,288		1,327
-L- 15+00.00 RT	-L- 43+00.00 RT	2,346		1,133		1,208
-Y1- 20+50.00	-Y1- 32+14.68	1,782		2,084	1,042	740
-Y2- 10+42.50	-Y2- 11+30.00	64		9		55
-Y4- 10+40.50	-Y4- 11+25.00	58		9		49
SUBTOTALS:		4,250		3,235	1,042	1,992
-L- 43+00.00 LT	-L- 58+40.52 LT	1,214		4,615	3,401	
-Y5- 14+31.17	-Y5- 20+00.00	597		114		483
-RPD- 12+87.33	-RPD- 14+57.66	165		123		42
SUBTOTALS:		1,976		4,852	3,401	525
-L- 43+00.00 RT	-L- 58+40.52 RT	633		2,351	1,718	
-Y5- 22+00.00	-Y5- 28+84.38	1,106		490		616
-RPC- 13+08.62	-RPC- 14+64.06	206		83		123
SUBTOTALS:		1,945		2,924	1,718	739
-L- 62+76.40 LT	-L- 63+25.00 LT	38		0		38
-RPA- 10+85.32	-RPA- 11+30.00	35		0		35
SUBTOTALS:		73		0		73
PROJECT TOTALS:		13,559		14,411	6,161	5,710
LOSS DUE TO CLEARING & GRUBBING (PER GEOTECH REPORT)		-2,350			2350	
Estimated Shoulder Material				3,688	3,688	
Additional Undercut				2,375	2,375	1,900
Waste in Lieu of Borrow					-4,379	-4,379
PROJECT TOTAL		11,209		20,474	10,195	3,231
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT					510	
GRAND TOTALS:		11,209		20,474	10,705	3,231
SAY:		11,300			10,800	

EST. DDE = 480 CY

UNCLASSIFIED EXCAVATION - ACCEPTABLE, BUT NOT TO BE IN THE TOP 3' OF EMBANKMENT OR BACKFILL
-L- 14+25 TO 14+75
-L- 15+25 TO 17+75
-L- 19+75 TO 21+75
-Y1- 15+75 TO 16+75
-Y1- 24+25 TO 26+25
-Y2- 10+43 TO 11+30
(560 CY) PER GEOTECH

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

REMOVAL OF EXISTING ASPHALT PAVEMENT SUMMARY

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	YD^2
-Y1-	14+02	18+89	LT/RT	681.94
-L-	18+88	25+05	LT/RT	1,427.90
-L-	29+62	33+00	LT/RT	704.84
-L-	35+00	39+40	LT/RT	798.28
-L-	41+53	42+25	LT	3.07
-L-	46+94	55+51	LT/RT	1,463.19
-L-	33+00	35+00	LT/RT	582.11
-L- TEMP. PAV'T.	36+14	39+00	LT	165.80
-Y4- TEMP. PAV'T.	10+54	11+25	LT	61.42
			TOTAL:	5,888.55
			SAY:	5,890

SUMMARY OF WOVEN WIRE FENCE, 47" FABRIC

IN LINEAR FEET AND EACH

STATION TO STATION	LOCATION LT. OR RT.	FABRIC LF	4" POSTS EA	5" POSTS EA
50+24.68 TO 50+76.60	RT	180	7	11
50+23.83 TO 53+93.00	LT	375	19	14
NOTE: LT. OR RT. INDICATES LEFT OR RIGHT OF THE MAIN LINE.	TOTAL	555	26	25
	SAY:	560	26	25

SUMMARY OF CHAIN LINK FENCE, RESET

IN LINEAR FEET

LINE	STATION	STATION	SIDE	LENGTH LF
-L-	25+44.06		RT	30
-L-	28+35.09		RT	37
-L-	34+80.82	34+81.29	RT	67
-L-	38+63.79		LT	57
-L-	40+60.95		LT	47
-L-	47+01.33		RT	30
-L-	49+01.05		RT	35
-L-	50+05.76	50+17.77	RT	39
-Y5-	18+54.13	18+55.82	RT	31
			TOTAL:	373
			SAY:	375

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 RESET GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	XI MOD	XI	GREU TL-3	M-350	III	CAT-1	VI MOD	BIC	AT-1	EA	G	NG				
-L-	51+52.97	55+02.97	LT	350					14	16							1			1										
-L-	51+42.53	55+17.53	RT	375					14	16							1			1										
-L-	57+59.56	58+59.09	LT																										99.5	
-L-	56+52.04	58+76.72	RT																										224.7	
TOTAL				725													2			2									324.2	
		DEDUCT FOR ANCHOR UNITS																												
		GREU, TL-3 2 @ 50' =		-100																										
		GRAU CAT-1 2 @ 6.25' =		-12.5																										
SAY				612.50			5 EA ADDITIONAL GUARDRAIL POSTS										2			2									325	

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