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PLANS PREPARED BY:
PARSONS
1540 CENTERVIEW DR., SUITE 217
RALEIGH, NORTH CAROLINA 27606
NC LICENSE NO: F-0246
FOR NORTH CAROLINA DEPT. OF TRANSPORTATION

PROJECT REFERENCE NO.	SHEET NO.
W-5512	3B-1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK

STATION	STATION	UNCL. EXCAV.	UNDERCUT	EMBANK. +%	BORROW	WASTE
30+25 –L–	46+15 –L–	1,639		2,158	519	
* 33+55.18 –L– (LT)	35+99.91 –L– (LT)			91	91	
* 36+86.66 –L– (RT)	37+83.66 –L– (RT)			29	29	
SUBTOTALS:		1,639		2,278	639	
53+52.50 –L–	70+60 –L–	746		1,188	442	
10+15 –Y1–	13+02 –Y1–	5		871	866	
10+18 –Y2–	10+82 –Y2–	5		13	8	
* 56+70.45 –L– (RT)	60+02.44 –L– (RT)			74	74	
* 57+35.92 –L– (LT)	60+43.82 –L– (LT)			205	205	
SUBTOTALS:		756		2,350	1,594	
84+95 –L–	107+00 –L–	1,084		2,164	1,080	
SUBTOTALS:		1,084		2,164	1,080	
125+01 –L–	165+00 –L–	1,558		9,541	7,983	
11+70 –Y5–	12+58 –Y5–	8		175	167	
10+50 –Y6–	11+03 –Y6–	10		44	34	
* 134+26.15 –L– (RT)	137+44.51 –L– (RT)			188	188	
* 134+53.14 –L– (LT)	60+43.82 –L– (LT)			79	79	
* 162+95.92 –L– (LT)	165+53.05 –L– (LT)			76	76	
* 163+83.57 –L– (RT)	165+51.91 –L– (RT)			75	75	
SUBTOTALS:		1,576		10,178	8,602	
197+45 –L–	213+00 –L–	742		1,770	1,028	
* 212+35.91 –L– (RT)	214+98.38 –L– (RT)			49	49	
SUBTOTALS:		742		1,819	1,077	
PROJECT TOTALS:		5,797		18,788	12,991	
SHOULDER MATERIAL				1,438	1,438	
LOSS DUE TO CLEARING & GRUBBING		–579			579	
PROJECT TOTALS		5,218		20,225	15,007	
REPLACE TOP SOIL ON BORROW PIT					750	
GRAND TOTALS:		5,218			15,757	
SAY:		5,500			16,000	

* DENOTES ADDITIONAL QUANTITY FOR GUARDRAIL WIDENING

Note: Approximate quantities only. Unclassified Excavation, Borrow Excavation, 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	YD²
–L–	35+64	41+33	RT	1,119.11
–L–	130+00	150+00	LT/RT	5,502.00
			TOTAL:	6,621.11
			SAY:	6,630

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	III	CAT–1	VI MOD	BIC	AT–1	EA	G	NG				
–L–	33+55.18	35+99.91	LT	231.25	25.73		33+60.74		8	11	50						1						1							
–L–	36+86.66	37+77.95	RT	75.00	37.50		37+08.69	37+23.00	8	11													2							
–L–	56+70.45	60+02.44	RT	306.25	36.49		59+52.51	59+65.32	8	11	50						1						1							
–L–	57+35.92	60+43.82	LT	268.75	53.09		59+69.69	59+57.44	8	11		50					1						1							
–L–	82+04.42	86+00.27	LT	400.00			BRIDGE		8	11	50						1										122			
–L–	82+05.20	86+00.05	RT	400.00				BRIDGE	8	11		50					1										157			
–L–	134+26.15	137+44.51	RT	325.00			136+26.05	136+26.05	8	11	50	50					2													
–L–	134+53.14	136+91.11	LT	218.75	31.61		135+90.51	135+90.51	8	11		50					1						1							
–L–	162+95.92	165+53.05	LT	243.75	18.55		164+16.79	164+10.10	8	11		50					1						1							
–L–	163+83.57	165+51.91	RT	156.25	22.25		164+10.27	164+16.97	8	11		50					1						1							
–L–	212+35.91	214+98.38	RT	262.50			213+98.40	214+05.10	8	11	50	50					2													
TOTAL				2,887.50	225.22												12						8				279			
			DEDUCT FOR ANCHOR UNITS																											
			AT–1 8 @ 6.25' =	–50.00																										
			GRAU 350 12 @ 50' =	–600																										
SAY				2,237.50	237.50		4 EA ADDITIONAL GUARDRAIL POSTS										12						8				279			

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