8/17/99

COMPUTED BY: JHA DATE: 6/24/19
CHECKED BY: DWG DATE: 1/18/2024

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.	SHEET NO.
B-4926	3B-2

TRANSYSTEMS
1 Glenwood Avenue
Raleigh, NC 27603
Tel:919.789.9977
Fax:919.789.9591
License: F-0453

"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.
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

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			SINGLE FACED GUARDRAIL	REMOVE EXISTING GUARDRAIL	REMOVE AND RESET EXISTING GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	GREU TL-3	GREU TL-2	TYPE-III	TEMP. GREU TL-3						EA	G	NG				
-L-	16+75.00	20+30.00	LT	355.00'				16+75.00	8'	11'		50'		1'	1															
-L-	20+30.00	20+45.35	LT		25.0'				4'	7'																				
-L-	21+29.29	22+79.29	LT	150.00'				21+29.29	8'	11'		50'		1'	1		1													
-L-	28+19.29	33+92.50	LT	573.21'					8'	11'							2													
-L-	36+07.50	41+57.50	LT	550.00'			41+57.50		8'	11'	50'		1'		1		1													
-L-	16+45.44	22+70.44	RT	625.00'			16+45.44		8'	11'	50'		1'		1		1													
-L-	28+10.44	33+92.50	RT	582.06'					8'	11'							2													
-L-	36+07.50	40+95.00	RT	487.50'				40+95.00	8'	11'		50'		1'	1		1													
-DRV-	10+00.00	12+13.00	RT	213.00'					4'	7'						1														
-L-	21+45.23	22+96.44	LT																									151.21'		
-L-	28+11.96	34+25.31	LT																									613.34'		
-L-	35+94.16	41+74.55	LT																									580.39'		
-L-	20+25.38	22+98.61	RT																									273.23'		
-L-	28+10.45	34+25.77	RT																									615.32'		
-L-	35+94.34	37+48.64	RT																									154.30'		
			SUBTOTAL	3535.77'	25.0'										5	1	8											2387.79'		
		LESS ANCHOR DEDUCTION																												
		GREU TL-3, 5 @ 50'=		250.00'																										
		GREU TL-2, 1 @ 25'=		25.00'																										
		TYPE-III, 8 @ 18.75'=		150.00'																										
			TOTAL	3110.77'	25.0'										5	1	8											2387.79'		
ADDITIONAL GUARDRAIL POSTS = 20 EACH			SAY	3125.00'	25.0'										5	1	8											2400.00'		
TEMPORARY GUARDRAIL																														
-LTEMP-	17+18.81	18+23.81	LT	105.00'														1												
-L-	36+25.00	37+50.00	LT															1											75.00'	INSTALL NEW TEMP. END UNIT (NO DEDUCTION)
		LESS ANCHOR DEDUCTION																												
		GREU TL-3, 1 @ 50'=		50.00'																										
			TOTAL	55.00'														2											75.00'	
			SAY	62.50'														2											75.00'	

ASPHALT PAVEMENT REMOVAL SUMMARY

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	SQUARE YARDS
TEMPORARY PAVEMENT				
-LTEMP-	10+47.65	18+19.90	LT/RT	1,313.89
-L-	21+22.00	22+47.00	LT	37.70
			TOTALS	1,351.59
			SAY	1,400

CONCRETE PAVEMENT REMOVAL SUMMARY

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	SQUARE YARDS
-L-	17+00.00	17+75.00	LT	197.99
-L-	38+24.89	39+91.40	LT	99.83
			TOTALS	297.82
			SAY	320

BREAKING OF CONCRETE PAVEMENT SUMMARY

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	SQUARE YARDS
-L-	17+75.00	22+98.61	LT	1,386.26
-L-	28+10.45	34+25.77	LT	1,622.20
-L-	35+94.34	40+16.52	LT	847.29
			TOTALS	3,855.75
			SAY	3,900

SHOULDER BERM GUTTER SUMMARY

SURVEY LINE	STATION	STATION	LENGTH
-L- LT.	32+90.00	33+78.33	88.33
-L- LT.	36+21.67	39+53.00	331.33
-L- RT.	16+96.00	22+57.11	561.11
-L- RT.	28+25.03	33+00.00	474.97
-L- RT.	39+44.00	40+44.00	100.00
		TOTALS	1,555.74
		SAY	1,560

2/7/2024
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