Docusign Envelope ID: 3D47E2F7-DCD3-4A0A-B9D4-131C4713BF34

COMPUTED BY:	GEOPAK & MML	DATE:	10/8/2024
CHECKED BY:	KMP	DATE:	10/8/2024

PROJECT NO.	SHEET NO.
B-5766	3B-1

DRMP
DRMP, INC.
5808 FARINGDON PLACE
RALEIGH, NC 27609
(919) 872-5115
NC LICENSE NO. F-1524
www.drmp.com

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK

(VOLUMES IN CUBIC YARDS)

LINE	Station	Station	Uncl. Excav.	Embank.	Borrow	Waste
-L-	10+08.83	13+09.00	39	6989	6950	0
-L-	16+83.00	21+35.00	73	4960	4887	0
TOTAL			**112**	**11949**	**11837**	**0**
ADJUSTMENTS DUE TO						
Shoulder Material					115	
PROJECT TOTAL			**112**	**12064**	**11952**	**0**
Est. 5% to Replace Topsoil in Borrow Pits					598	
GRAND TOTAL			**112**		**12550**	
SAY			**200**		**12600**	
CONTINGENCY ITEMS:						
Geotextile For Subgrade Stab.	**600 SY**					
Select Granular Material	**200 CY**					
Geotextile For Soil Stab.	**300 SY**					
Estimate Undercut	**300 CY**					
Estimate Shallow Undercut	**200 CY**					
Class IV Subgrade Stab.	**400 TONS**					

Approximate quantities only. Clearing and Grubbing, Unclassified Excavation, Fine Grading, and removal of existing pavement will be paid for at the lump sum price for "Grading".

Earthwork quantities are calculated by the roadway designer. These quantities are based in part on subsurface data provided by the geotechnical engineer.

SUMMARY OF ASPHALT PAVEMENT REMOVAL

LINE	Station	Station	Location	Area (SF)	Area (SY)
L	10+19.93	13+20.56	LT	4060.81	451.20
L	16+71.74	19+01.29	LT	2255.23	250.58
L	10+43.00	13+21.00	LT	1256.98	139.66
L	11+85.00	12+95.00	RT	823.49	91.50
L	16+72.00	19+00.00	LT	950.68	105.63
L	16+97.00	18+05.00	RT	819.96	91.11
				TOTAL	1129.68
				SAY	**1130**

SUMMARY OF ROCK PLATING

LINE	Station	Station	Location	Slope	Area (SY)
L	11+50	13+09	RT	1.5:1 (H:V)	950
				SAY	950

"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.
NG = NON-GATING IMPACT ATTENUATOR TYPE 350

TEMPORARY GUARDRAIL SUMMARY

LINE	BEG. STA.	END STA.	LOC.	LENGTH STRAIGHT	LENGTH SHOP CURVED	LENGTH DOUBLE FACED	WARRANT POINT APPR. END	WARRANT POINT TRAIL. END	"N" DIST. FROM E.O.L.	TOTAL SHLDR WIDTH	FLARE LENGTH APPR. END	FLARE LENGTH TRAIL. END	W APPR. END	W TRAIL. END	ANCHORS III	ANCHORS III SHOP CURVED	ANCHORS GREU TL-2	ANCHORS M-350	ANCHORS AT-1	ANCHORS CAT-1	ANCHORS TEMP THRIE-	IMP. ATTEN. TYPE 350 EA	IMP. ATTEN. TYPE 350 G	IMP. ATTEN. TYPE 350 NG	RESET EXISTING GUARDRAIL	REINF. CONC. BARRIER	REMARKS
L	13+21.00	16+72.00	LT						1.3	5											2						SEE TMP-5 FOR MORE DETAILS
L	17+51.00	17+76.00	LT						12.5	35	25		2				1										SEE TMP-9 FOR MORE DETAILS.
			SAY														1				2						

GUARDRAIL SUMMARY

LINE	BEG. STA.	END STA.	LOC.	LENGTH STRAIGHT	LENGTH SHOP CURVED	LENGTH DOUBLE FACED	WARRANT POINT APPR. END	WARRANT POINT TRAIL. END	"N" DIST. FROM E.O.L.	TOTAL SHLDR WIDTH	FLARE LENGTH APPR. END	FLARE LENGTH TRAIL. END	W APPR. END	W TRAIL. END	ANCHORS III	ANCHORS III SHOP CURVED	ANCHORS GREU TL-2	ANCHORS M-350	ANCHORS AT-1	ANCHORS CAT-1	ANCHORS TES	IMP. ATTEN. TYPE 350 EA	IMP. ATTEN. TYPE 350 G	IMP. ATTEN. TYPE 350 NG	REMOVE EXISTING GUARDRAIL	REINF. CONC. BARRIER	REMARKS
Y	102+09.70	102+48.68	RT	**50.00**					11.25	14.25		40.25		3													
L	10+20.86	10+70.66	RT		**62.5**				10	13																	
L	10+70.66	13+09.00	RT	**250.00**				13+09.00	7.5	10.5	125		2.5		1												
L	12+52.75	13+09.00	LT	**62.50**				13+09.00	7.5	10.5		56.25		1.125	1		1										
L	16+83.00	19+76.65	RT	**300.00**				19+76.65	7.5	10.5		125		2.5	1		1										GUARDRAIL TO BE POWDER COATED BROWN.
L	16+83.00	18+39.35	LT	**162.50**			16+83.00		7.5	10.5	131.25		2.43	1	1		1										GUARDRAIL TO BE POWDER COATED BROWN.
Y	102+09.70	103+04.10	RT																						252		
L	10+61.05	13+21.17	RT																						261		
L	11+74.50	13+21.17	LT																						148		
	DEDUCT ANCHORS:		**SUBTOTAL**	**825.0**	**62.5**										**4**		**3**										
	GREU TL-2	3	25	-75.00																							
	TYPE III	4	18.75	-75.00																							
	CAT-1	0	6.25	0.00																							
	ADDITIONAL POSTS:	5	**TOTAL**	**675.0**	**62.5**										**4**		**3**								**661.00**		
			SAY	**675**	**62.5**																				**665**		