

6/21/2025

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STATE OF NORTH CAROLINA

DIVISION OF HIGHWAYS


DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PROJECT REFERENCE NO.

B-6034

SHEET NO.

3B-1

Johnson, Mirmiran, & Thompson Inc.
4700 Falls of Neuse Rd., Suite 100,
Raleigh, NC 27609
License No: C-3097

SUMMARY OF EARTHWORK

IN CUBIC YARDS

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT + %	BORROW	WASTE
SUMMARY NO.1					
-L- STA. 10+80 TO STA. 12+84.20 (BEGIN BRIDGE)	38		152	114	
SUBTOTAL SUMMARY NO.1	38		152	114	
SUMMARY NO.2					
-L- STA. 13+56.80 (END BRIDGE) TO STA. 16+00	12		728	716	
-Y- STA. 10+80.00 TO STA. 11+75	19		22	3	
SUBTOTAL SUMMARY NO.2	31		750	719	
TOTAL	69		902	833	
DEDUCTION FOR CLEARING AND GRUBBING	-69		79	79	
PROJECT SUBTOTAL	0		981	912	
EST. 5% FOR REPLACING TOP SOIL ON BORROW PITS				46	
GRAND TOTAL	0			958	
SAY				975	

CONTINGENCY ITEMS:

INCIDENTAL STONE = 25 TONS

UNDERCUT EXCAVATION = 225 CY

SELECT GRANULAR MATERIAL = 200 CY

CLASS IV SUBGRADE STABILIZATION = 100 TONS

GEOTEXTILE FOR SOIL STABILIZATION = 200 SY

SHALLOW UNDERCUT = 50 CY

GEOTEXTILE FOR SUBGRADE STABILIZATION = 150 SY

PAVEMENT REMOVAL SUMMARY

IN SQUARE YARDS

LINE	STATION	LOCATION	ASPHALT REMOVAL	ASPHALT BREAK-UP	CONCRETE REMOVAL	CONCRETE BREAK-UP
-L-	11+00 TO 13+10	LT	221.30			
-L-	13+35 TO 15+50	LT	633.20			
		TOTAL	854.50			
		SAY	860			

Approximate quantities only. Borrow excavation, fine grading, removal of existing pavement and clearing and grubbing will be paid for at the contract lump sum price for "grading".

GUARDRAIL SUMMARY

"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

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 STOCKPILE EXISTING GUARDRAIL	REMARKS	
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	XI MOD	XI	GREU	GREU TL-2		TYPE III	TYPE III SHOP CURVED	B-77	AT-1	EA	G					NG
-L-	12 + 10.00	12 + 77.47	LT	75'				12 + 10.00	4	7		25		0.5					1		1									
-L-	12 + 82.88	12 + 93.53	RT		37.5'		12 + 82.88		4	7	6.25		0.5								1		1							
-L-	13 + 47.48	14 + 02.65	LT	50.0'	37.5'		14 + 02.65		4	7	6.25		0.5								1		1							
-L-	13 + 64.23	14 + 27.85	RT	62.5'				14 + 27.85	4	7		25		0.5					1		1									
			SUBTOTAL	187.5'	75'														2		2	2		2						
			LESS DEDUCTIONS FOR ANCHORS																											
			GREU TL 2 2 @ 25' =	-50																										
			TYPE III GREU TYPE 2 @ 18.75' =	-37.5																										
			AT-1 2 @ 6.25' =		-12.50'																									
			TYPE III SHOP CURVED 2 @ 18.75' =		-37.5'																									
			GRAND TOTAL	100'	25'														2		2	2		2						
			SAY	112.5'	25'																									
							ADDITIONAL GUARDRAIL POSTS = 5 EA.																							

TEMPORARY GUARDRAIL SUMMARY

NG = NON-GATING IMPACT ATTENUATOR TYPE 350

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 STOCKPILE EXISTING GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	XI MOD	XI	GREU	TEMP GREU TL-2		TEMP TYPE III	TYPE III SHOP CURVED	B-77	AT-1	EA	G	NG					
-L-	12 + 54.75	13 + 11.00	LT	56.25'			13 + 11.00		4'	EXIST.	25'							1		1											
-L-	11 + 50.00	14 + 00.00	LT	250'			12 + 76.00	13 + 48.00	2'		25'	25'						2													
			SUBTOTAL	306.25'																											
			LESS DEDUCTIONS FOR ANCHORS																												
			TEMP GREU TL 2 3 @ 25' =	-75																											
			TEMP TYPE III GREU 1 @ 18.75' =	-18.75																											
			GRAND TOTAL	212.5'														3		1											
			SAY	225'																											

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