Docusign Envelope ID: 81A3D377-3D0A-4ADE-AD61-8058DB064FA2

COMPUTED BY: ____CB____ DATE: __8/29/2025___
CHECKED BY: __TAK_____ DATE: __9/2/2025___

PROJECT NO.	SHEET NO.
HB-0030	3B-1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK

IN CUBIC YARDS

Station	Station	Uncl. Excav.	Embank. +%	Borrow	Waste
-L- Sta. 13+50.00	-L- Sta. 15+34.61 (Begin Bridge)	101	752	651	
-DW1- Sta. 10+10.00	-DW1- Sta. 11+55.00	19	182	163	
SUBTOTALS:		120	934	814	
-L- Sta. 16+87.30 (End Bridge)	-L- Sta. 18+50.00	152	1,300	1,148	
SUBTOTALS:		152	1,300	1,148	
TOTALS:		272	2,234	1,962	
LOSS DUE TO CLEARING AND GRUBBING		-50		50	
PROJECT TOTALS:		222	2,234	2,012	
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT				101	
GRAND TOTALS:		**222**		**2,113**	
SAY:		**300**		**2,200**	

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

Note: Earthwork quantities were calculated by the Roadway Design Engineer using ORD Named Boundaries. These earthwork quantities are based in part on subsurface data provided by the Geotechnical Engineering Unit.

DDE = 290 CY
UNDERCUT EXCAVATION = 450 CY
SELECT GRANULAR MATERIAL = 400 CY
GEOTEXTILE FOR SOIL STABILIZATION = 400 SY
SHALLOW UNDERCUT = 100 CY
CLASS IV SUBGRADE STABILIZATION = 200 TONS
GEOTEXTILE FOR SUBGRADE STABILIZATION = 300 SY
6" PERFORATED SUBDRAIN PIPE = 200 LF

PAVEMENT REMOVAL SUMMARY

IN SQUARE YARDS

SURVEY LINE	Station	Station	LOCATION LT/RT/CL	SY
-L-	14+85.00	15+53.14	CL	142
-L-	16+71.81	17+90.61	CL	253
		TOTAL:		**395**
		SAY:		**400**

SHOULDER BERM GUTTER SUMMARY

IN LINEAR FEET

SURVEY LINE	Station	Station	LOCATION LT/RT/CL	Length
-L-	17+09.62	17+26.06	RT	16.44
		TOTAL:		**16.44**
		SAY:		**20**

"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
G = GATING IMPACT ATTENUATOR TYPE 350

SUMMARY OF GUARDRAIL

SURVEY LINE	BEG. STA.	END STA.	LOCATION	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOUL WIDTH	FLARE LENGTH		W		ANCHORS									IA TL-3		SINGLE FACED CONCRETE BARRIER	REMOVE EXISTING GUARDRAIL	REMOVE & STOCKPILE EXISTING GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	Type III	B-77	GREU, TL-3	GREU, TL-2	CAT-1	AT-1	Type III SC	B-77 SC		G	NG				
-L-	14+87.31	15+43.56 (Bridge)	RT	56.25			15+43.56 (Bridge)		4	7	25		0.5		1			1											
-L-	16+98.29 (Bridge)	17+54.54	RT	56.25				16+98.29 (Bridge)	4	7		25		0.5				1			1								
-L-	13+87.79	15+27.39 (Bridge)	LT	139.60				14+34.00 (Fill Slope)	4	7		25		0.5				1			1								
-L-	16+79.10 (Bridge)	18+14.00	LT	134.90			17+72.00 (Fill Slope)		4	7	25		0.5		1			1											
			SUBTOTAL	**387.00**											**2**			**4**			**2**								
	ANCHOR UNIT DEDUCTIONS																												
	GREU, TL-2	4 @ 25.00' EACH		-100.00																									
	Type III	2 @ 18.75' EACH		-37.50																									
	Type III SC	2 @ 18.75' EACH		-37.50																									
	ADDITIONAL GUARDRAIL POSTS = 5 EACH																												
			TOTAL	**212.00**											**2**			**4**			**2**								
			SAY	**212.5**											**2**			**4**			**2**								