### STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

# SUMMARY OF QUANTITIES

# SUMMARY OF EARTHWORK IN CUBIC YARDS

STATION	STATION	UNCL. EXCAV.	EMBANK. +%	BORROW	WASTE
SUMMA	ARY NO. 1				
–L– STA. 12 + 50.00	_L_ STA. 13 + 98.38	89	277	188	
SUMMARY N	NO. 1 TOTALS	89	277	188	
SUMMA	 RY NO. 2				
_L_ STA. 15 + 02.63	_L_ STA. 16 + 00.00	128			50
ADDITIONAL EXCAV	(SEE PSH 4)	310			310
SUMMARY N	IO. 2 TOTALS	438			
TOI	TALS:	527	355	188	360
EARTH TO RE	PLACE BORROW			-188	-188
PROJECT	TOTALS:	527	355		172
GRAND	TOTALS:	527			
SA	AY:	600			
UNDERCUT EXCAVAT	TON = 200 CY (Ge	otechnical Lette	er January 14, 20	016)	
SELECT GRANULAR /	MATERIAL = 100 CY	(Geotechnical L	etter January 14	1, 2016)	
GEOTEXTILE FOR SO	IL STABILIZATION =	500 SY (Geo	technical Letter J	anuary 14, 2016	& EC Pla
SHALLOW UNDERC	JT = 100 CY (Geote	chnical Letter Jo	anuary 14, 2016		
CLASS IV SUBGRADE	STABILIZATION = 2	200 TONS (Ge	eotechnical Lette	r January 14, 20	16)

Earthwork quantities are calculated by the Roadway Design Unit.
These earthwork quantities are based in part on subsurface data provided by the Geotechnical Engineering Unit.

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

"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

#### GUARDRAIL SUMMARY

NG = NON-GATING IMPACT ATTENUATOR TYPE 350																				
SURVEY LINE			A. LOCATION	LENGTH		WARRANT POINT		"N" DIST.	TOTAL	FLARE LENGTH	W		ANCHORS		IMPACT ATTENUATOR SINGLE REMOVE AND TYPE 350 FACED EXISTING STOCKPILE					
	BEG. STA. END STA	END STA.		STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END	FROM SHOUL. E.O.L. WIDTH	APPROACH END	TRAILING END	APPROACH END	TRAILING END		GREU, TYPE I	ı		ATTENUATOR TYPE 350 SINGLE FACED GUARDRAIL GUARDRAIL EA G NG SINGLE EXISTING GUARDRAIL GUARDRAIL GUARDRAIL	REMARKS	
-L-	12 + 79.63	13 + 98.38	LT	118.75				13 + 98.38	4.75	9		100.00		2.00		1 1			114.5	
-L-	15+02.63	15 + 83.88	LT	81.25			15+02.63		4.75	9	62.5		1.25			1 1			114.5	
-L-	12 + 79.63	13 + 98.38	RT	118.75			13 + 98.38		4.75	9	100.00		2.00			1 1			139.5	
-L-	15 + 02.63	15 + 83.88	RT	81.25				15+02.63	4.75	9		62.5		1.25		1 1			139.5	
		SUBTOTAL		400.00												4 4				
	LESS DEDUCTIONS FO	DR ANCHORS: GR	EU, TL-3 4 @ 50 =	-200.00																
		Т	YPE-III 4 @ 18.75 =	-75.00																
			PROJECT TOTAL	125.00												4 4			508.0	
			SAY	175.00																
							ADDITIONAL GUARD	RAIL POSTS = 5 EA.												

# REMOVAL OF EXISTING ASPHALT PAVEMENT SUMMARY

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	$YD^2$
-L-	12 + 50.00	14+18.37	CL	413.42
-L-	14+69.47	16 + 00.00	CL	321.31
			TOTAL:	734.72
			SAY:	780

# SHOULDER BERM GUTTER SUMMARY

SURVEY LINE	STATION	STATION	LOCATION	LENGTH
-L-	STA. 13 + 53.00	STA. 13 + 87.50	LT	34.5
<b>-L</b> -	STA. 13 + 53.00	STA. 13 + 87.50	RT	34.5
			TOTAL:	69
			SAY:	73
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