COMPUTED BY: JA DATE: 10/09/17
CHECKED BY: DWG DATE: 12/12/17

PROJECT REFERENCE NO.	SHEET NO.
17BP.1.R.77	3B-1

SEPI ENGINEERING & CONSTRUCTION
1025 Wade Avenue
Raleigh, NC 27605
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STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK
IN CUBIC YARDS

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT+%	BORROW	WASTE
SUMMARY NO. 1					
–L– STA. 14+50.00 TO STA. 16+68.88 (BB)	0		224	224	
TOTAL SUMMARY NO. 1	0		224	224	
SUMMARY NO. 2					
–L– STA. 17+41.13 (EB) TO STA. 19+75.00	3		177	174	
TOTAL SUMMARY NO. 2	3		177	174	
SUMMARY TOTALS	3		401	398	
PROJECT TOTAL	3		401	398	
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT				20	
GRAND TOTAL	3		401	418	
SAY	5			450	

UNDERCUT EXCAVATION = 300 CY
SELECT GRANULAR MATERIAL = 300 CY
GEOTEXTILE FOR SOIL STABILIZATION = 300 SY

Note: Approximate quantities only. Unclassified Excavation, Borrow 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
NG = NON-GATING IMPACT ATTENUATOR TYPE 350

GUARDRAIL SUMMARY

SURVEY LINE	BEGINNING STATION	END STATION	LOCATION	LENGTH		WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOULDER WIDTH	FLARE LENGTH		W		ANCHORS				REMOVE EXISTING GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	GREU TL-3	TYPE III				
–L–	15+87.63	16+68.88	LT	81.25′			16+68.88	3.9167′	6.9167′		62.5′		1.25′	1	1				
–L–	15+87.63	16+68.88	RT	81.25′		16+68.88		3.9167′	6.9167′	62.5′		1.25′		1	1				
–L–	17+41.13	18+22.38	LT	81.25′		17+41.13		3.9167′	6.9167′	62.5′		1.25′		1	1				
–L–	17+41.13	18+22.38	RT	81.25′			17+41.13	3.9167′	6.9167′		62.5′		1.25′	1	1				
			SUBTOTAL	325.00′										4	4				
	LESS ANCHOR DEDUCTIONS																		
	GRAU-350 4 @ 50′=			–200.00′															
	TYPE III 4 @ 18.75′=			–75.00′															
			TOTAL	50.00′										4	4				
			SAY	75.00′															

ADDITIONAL GUARDRAIL POSTS = 5 EA.

SUMMARY OF PAVEMENT REMOVAL
IN SQUARE YARDS

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	SQUARE YARDS
–L–	16+35.00	16+78.36	LT/RT	93.46
–L–	17+30.57	17+75.00	LT/RT	92.38
			TOTAL	185.84
			SAY	200

SHOULDER BERM GUTTER SUMMARY

SURVEY LINE	STATION	STATION	LENGTH (FEET)
–L– RT.	16+50.00	16+58.00	8.00
–L– RT.	17+52.00	17+60.00	8.00
		TOTAL	16.00
		SAY	20

5/14/98
5/5/2018
6:22:06 AM
usr:bridg1 dgn:
17BP.1.R.77_Rdy_sum_3B-1.dgn