COMPUTED BY:	VML	DATE: 19 NOV 2019
CHECKED BY:	DBE	DATE: 19 NOV 2019

## SUMMARY OF EARTHWORK

IN CUBIC YARDS

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT + %	BORROW	WASTE
-L- 10+65.00 TO 13+34.63 (BEGIN BRIDGE)	303		28		275
-L- 14+22.37 (END BRIDGE) TO 16+61.00	205		73		132
-DRV- 10+16.42 TO 11+00.00	53		21		32
SUBTOTAL	561		122		439
PROJECT TOTAL	561		122		439
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT					
GRAND TOTAL	561		122		439
SAY	620				

ESTIMATED UNDERCUT = 300 CY (CONTINGENCY, AS DIRECTED BY THE ENGINEER) SELECT GRANULAR MATERIAL, CLASS II AND/OR CLASS III = 300 CY (CONTINGENCY, TO BE USED AS BACKFILL FOR UNDERCUT) GEOTEXTILE FOR SOIL STABILIZATION = 300 SY (CONTINGENCY, AS DIRECTED BY THE ENGINEER)

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".

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"N" = DISTTOTAL SHOUFLARE LENG"W = TOT/G = GATING = NC	TANCE FROM EDGE C JLDER WIDTH = DIS TH = DISTANCE FRC AL WIDTH OF FLARE I NG IMPACT ATTENUA DN-GATING IMPACT A	OF LANE TO FACE OF TANCE FROM EDGE ( OM LAST SECTION OF FROM BEGINNING O TOR TYPE 350 ITTENUATOR TYPE 350	F GUARDRAIL. OF TRAVEL LANE TO OF PARALLEL GUARDR OF TAPER TO END	) SHOULDER BR AIL TO END O OF GUARDRAIL.	REAK POINT. DF GUARDRAIL.						GU	ARDR	AIL S	UMM	IARY																	
SURVEY				ND STA. LOCATION	STA. LOCATION	LOCATION	LOCATION	LOCATION	LOCATION	END STA. LOCATION		LENGTH		WARRA	NT POINT	"N" DIST.	TOTAL	FLARE	LENGTH		W				ANCHORS	IMI ATTEN	PACT	SINGLE	REMOVE	REMOVE AND		
LINE	BEG. STA.	END STA.	LOCATION								LOCATION	LOCATION	STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END	FROM E.O.L.	FROM SHOUL. E.O.L. WIDTH	APPROACH END	TRAILING END	APPROACH END	TRAILING END	TYPE GREU, TL-3 CAT-1	AT-1	TYPE III	B-77	 EA TYP	TYPE 350 EA G NG	FACED GUARDRAIL ;	EXISTING GUARDRAIL	RDRAIL EXISTING GUARDRAIL
-L-	13+00.34	13+43.52	LT	37.50′	20.00′			13+00.34	4′–5″	7′–5″		0.00′		0'		1	1															
-L-	14+31.14	15+12.30	LT	81.25′			15+06.14		4′–5″	7′–5″	50′		1'		1		1															
-L-	12+44.47	13+25.72	RT	81.25′			12+50.72		4'-5"	7′–5″	50′		1'		1		1															
-L-	14+13.58	14+94.91	RT	81.25′				14+88.58	4'-5"	7′–5″		50′		1′	1		1															
		SUBTOTA	AL (LF)	281.25′	20.00′							то	TAL ANCHORS	OR	3	1	1															
		LESS ANCH	HORS (LF)	231.25′	0.00′							A	TTENUATORS (E	A)			4															
		TOTAL GUAR	RDRAIL (LF)	50.00′	20.00′							ANCH	OR UNIT LENG	ſH (LF)	50' 6.25'	6.25′	18.75′	18.75′														
				50'	25/							DED	UCTION PER T	YPE (LF)	150′	6.25′	75′															
		SAT GUARI		50	25			UNAL GUARDRA		JAT J EA		то	TAL DEDUCTION	N (LF)				231.25′														

### STATE OF NORTH CAROL DIVISION OF HIGHWAY

					PRC	DJECT REFERENCE NO.
INA						17BP <b>.2.</b> R.92
ת	ALTENTENT DE			( <i>7</i>		
1	AVENIENI KE IN S	QUARE YARDS	UNINAR	Ľ		
SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	SY		
-L-	10+65.00	13 + 53.17	CL	624.22		
-L-	14+05.01	16+61.00	CL	544.67		
			TOTAL:	1168.89		
			SAY:	1170		

SHEET NO.

3B-I

# CHOLUDED DEDM CLITTED

SH	OULDER SU	<b>BERM</b> JMMAR	GUT Y	IER
SURVEY LINE	STATION	STATION	LOCATION	LENGTH (LF)
-L-	13+09.54	13+33.22	LT	23.68
-L-	13+08.23	13+14.63	RT	6.40
			TOTAL:	30.08
			SAY:	31