COMPUTED BY: DATE: 08-29-2017 BKE DATE: 08-30-2017 CHECKED BY:

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK

IN CUBIC YARDS

		UNCLASSIFIED	EMBANK +%	BORROW	WASTE
STATION	STATION	EXCAVATION CY	CY	CY	CY
SUMMARY 1					
-L- 11+80.00	12 + 95.81 BEG. BRIDGE	42	122	80	0
SUMMARY 1 TOTAL		42	122	80	0
SUMMARY 2					
–L– 14+08.19 END BRIDGE	15 + 35.00	33	279	246	0
SUMMARY 2 TOTAL		33	279	246	0
PROJECT SUB-TOTALS		75	401	326	0
LOSS DUE TO CLEAR	ING & GRUBBING	-10		10	
EST. 5% TO REPI TOP SOIL ON BORE				17	
GRAND T	OTAL	65		353	
SAY		70		400	

UNDERCUT EXCAVATION (CONTINGENCY) = 100 CYSELECT GRANULAR MATERIAL, CLASS III (CONTINGENCY) = 100 CY

NOTE: These earthwork quantities are based in part on subsurface data provided by the Geotechnical Engineering Unit.

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".

FENCE SUMMARY

LINE	STATION	STATION	SIDE	3 STRAND BARBED WIRE LENGTH (FT)	4 STRAND BARBED WIRE LENGTH (FT)			
	11 + 97.42	13+35.00	LT.		147.78′			
-L-	11 + 96.57	13+16.32	RT.		121.57′			
-L-	14 + 46.11	15 + 31.86	RT.	89.42′				
			TOTAL	89.42′	269.35′			
			SAY	100′	280′			

SHOULDER BERM GUTTER SUMMARY

SURVEY	STATION	STATION	LENGTH (FT)			
L (RT)	14 + 19	14 + 32	13.00			
L (LT)	14 + 19	14 + 32	13.00			
TOTAL			26.00′			
		SAY	30.00′			

REMOVAL OF EXISTING ASPHALT PAVEMENT

LOCHNER

H. W. LOCHNER, INC. 2840 PLAZA PLACE, SUITE 202 RALEIGH, NC 27612 (919) 571–7111

PROJECT REFERENCE NO.

B-5407

DOCUMENT NOT CONSIDERED FINAL **UNLESS ALL SIGNATURES COMPLETED**

SHEET NO.

3B-I

SURVEY LINE	STATION	STATION	AREA (SY)		
L	11 + 80	12 + 96	231.62		
L	14+08	15 + 35	253.62		
TOTAL			485.24		
		SAY	500.00		

"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

L																						
Į ,	SURVEY LINE	DEC STA	FNID CTA	LOCATION	LENGTH	LENGTH		NT POINT	"N" DIST. FROM E.O.L.	TOTAL SHOUL.	FLARE LENGTH W		W	ANCHORS			IMPACT ATTENUATOR TYPE 350	SINGLE	REMOVE	REMOVE AND		
	LINE	BEG. STA.	END STA.	LOCATION	STRAIGHT SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END	FROM E.O.L.	O.L. WIDTH	APPROACH END	TRAILING END	APPROACH END	TRAILING END	XI XI	GREU TL-3	M-350 TYPE III CAT-1	VI BIC AT-1	EA G NG	-	REMOVE EXISTING GUARDRAIL	STOCKPILE REMARKS EXISTING GUARDRAIL
	-L-	12 + 20.81	12 + 95.81	LT	75.00′		•	12 + 96 (Bridge)	4'-3"	7′–3″		50.00′		1		1	1					
	-L-	12 + 20.81	12 + 95.81	RT	75.00′		12 + 96 (Bridge)		4'-3"	7′–3″	50.00′		1			1	1					<u> </u>
	-L-	14+08.19	14 + 83.19	LT	75.00′		14 + 08 (Bridge)		4′–3″	7′–3″	50.00′		1			1	1					1
dgr	-L-	14+08.19	14 + 83.19	RT	75.00′		•	14 + 08 (Bridge)	4′–3″	7′–3″		50.00′		1		1	1					<u> </u>
เมาเ				SUB-TOTAL	300.00′											4	4					
~		LESS ANCHORS																				1
3B.			GREU TL-3	4@50.00	-200.00′																	
р- ₋			TYPE-III	4@18.75	-75.00 [']																	
sd-																						
уу Д До П				TOTAL	25.00′																	
37 ² ,				SAY	25.00′											4	4					
7 7																						

ADDITIONAL GUARDRAIL POSTS = 5 EA.