COMPUTED BY: PCM	DATE: 10-2019
CHECKED BY: DLW	DATE: 10-2019

5/28/99

PLANS PREPARED BY :
PARSONS
RALEIGH, NORTH CAROLINA, (919) 854-1345
NC LICENSE NO. F-0246
FOR NORTH CAROLINA DEPT. OF TRANSPORTATION

PROJECT REFERENCE NO.	SHEET NO.
I-40	3B-1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK
IN CUBIC YARDS

STATION	STATION	UNCL. EXCAV.	UNDERCUT	EMBANK.	BORROW	WASTE
SITE 2621						
-L- 13+75.00	32+00.00	359		15		344
SITE 2047						
-L- 33+25.00	49+75.00	330		40		290
NEW HANOVER SUBTOTAL		689		55		634
NEW HANOVER GRAND TOTAL		689		55		634
SAY		690				
SITE 1811						
-L1- 11+25.00 RT.	26+50.00 RT.	126		2,238	2,112	
SITE 2046						
-L1- 11+25.00 LT.	28+00.00 LT.	105		34		71
PENDER SUBTOTAL		231		2,272		71
WASTE IN LIEU OF BORROW					-71	-71
EST. SHOULDER MATERIAL				138	138	
PENDER TOTAL		231		2,410	2,179	0
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT					109	
PENDER GRAND TOTAL		231		2,410	2,288	0
SAY		235			2,290	

EST. SHOULDER BORROW (NEW HANOVER): 260 CY

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

PAVEMENT REMOVAL SUMMARY

SURVEY LINE	STATION	STATION	LOCATION LT/RT	YD^2
-L1-	11+03.04	28+19.29	LT	825.71
-L1-	11+03.04	26+71.39	RT	754.55
PENDER	WBS: 15403.1071014		TOTAL:	1,580.26
			SAY:	1,590
-L-	13+51.10	32+03.00	RT	890.97
-L-	13+98.32	32+06.90	LT	870.13
-L-	33+20.76	49+96.60	RT	806.27
-L-	33+26.89	49+96.60	LT	803.32
NEW HANOVER	WBS: 15403.1065018		TOTAL:	3,370.69
			SAY:	3,380

"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

GUARDRAIL SUMMARY

G = GATING IMPACT ATTENUATOR TYPE 350
NG = NON-GATING IMPACT ATTENUATOR TYPE 350

SURVEY LINE	BEG. STA.	END STA.	LOCATION	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOUL WIDTH	FLARE LENGTH		W		ANCHORS									IMPACT ATTENUATOR TYPE TL-3		SINGLE FACED CONCRETE BARRIER	REMOVE EXISTING GUARDRAIL	REMOVE & STOCKPILE EXISTING GUARDRAIL	REMOVE & RESET EXISTING GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	TES	XI	GREU, TL-3	M-350	XIII	CAT-1	VI MOD	B-77	III	G	NG					
-L1-	11+03.04	28+19.29	LT	1718.75			11+03.04		14	17	50		1				1					1					1716.25			2046
-L1-	11+03.04	26+71.39	RT	1575.00					14	17										1		1					1568.35			1811
-L-	13+98.35	32+06.87	LT	1812.50			13+98.35		14	17												2					1808.52			2621
-L-	13+50.99	32+03.08	RT	1862.50			32+03.08		14	17												2					1852.09			2621
-L-	33+26.91	49+96.74	LT	1675.00			33+26.91		14	17												2					1669.83			2047
-L-	33+20.71	49+96.59	RT	1687.50			49+96.59		14	17												2					1675.88			2047
TOTAL				10331.25		0.00																								
	LESS ANCHOR DEDUCTIONS																													
	GREU, TL-3	1 @ 50.00'	=	50																										
	CAT-1	1 @ 6.25'	=	6.25																										
	B-77	10 @ 18.75'	=	187.5																										
		TOTAL DEDUCTIONS		243.75																										
TOTAL				10087.50		0.00									0		1			1		10			0	0	10290.92		0	
			SAY	**10100**		**0**		**Additional Guardrail Posts: 30 EA**							**0**		**1**			**1**		**10**			**0**	**0**	**10300**		**0**	

07-AUG-2020 10:56
J:\PROJECTS\Repairs\Roadway\Proj\I-40_RDY_SUM_3B-1.dgn
$$$$USERNAME$$$$