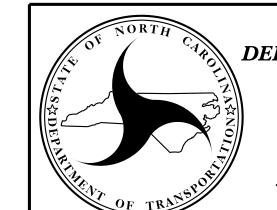


	PROJECT REFEREN	CE NO.	SHEET NO.			
	B-5869 (48063.1.	FR1)	W-2			
	GEOTECHNICAL ENGINEER		ENGINEER			
	SEAL 028893 NG INE ENTREE					
	— DocuSigned by: 12/20/2022 —8196315B3C7046C SIGNATURE DATE	SIGNAT	TURE DATE			
	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED					
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SMSE RETAINING WALL SCHEDULE								
-L- STATION	OFFSET FROM & (LEFT) (FT)	FINISHED GRADE ELEVATION	TOP OF WALL ELEVATION	TOP OF LEVELING PAD ELEVATION	ESTIMATED SMSE WALL EMBEDMENT (FT)	DESIGN SMSE WALL HEIGHT "H" (FT)	TOP OF SOIL NAIL WALL	SOIL NAIL WALL HEIGHT (FT)
12+50.00	50.00	1063.18	1063.68	1061.18	2.00	2.50	1063.18	2.00
12+65.25	50.00	1069.72	1070.22	1056.63	2.83	13.59	1069.40	12.77
13+00.00	50.00	1070.51	1071.01	1057.51	2.80	13.50	1069.66	12.15
13+50.00	50.00	1071.60	1072.10	1058.79	2.75	13.31	1070.51	11.72
14+00.00	50.00	1073.01	1073.51	1060.71	2.62	12.80	1071.96	11.25
14+50.00	50.00	1074.72	1075.22	1061.79	2.72	13.43	1073.44	11.65
15+00.00	50.00	1076.77	1077.27	1062.74	2.90	14.53	1074.54	11.80
15+50.00	50.00	1079.12	1079.62	1063.48	3.19	16.14	1076.50	13.02
16+00.00	50.59	1081.44	1081.94	1066.67	2.97	15.27	1079.16	12.49
16+50.00	54.96	1084.14	1084.64	1069.82	2.82	14.82	1080.53	10.71
16+61.72	57.27	1077.50	1078.00	1075.50	2.00	2.50	1077.50	2.00

ESTIMATED SM WALL QUANTIT (SQUARE FEET)	
SMSE RETAINING WALL NO.1	11,740 SF
₩SOIL NAIL WALL	** 9,880 SF

** SOIL NAIL WALL QUANTITIES ARE BASED ON SMSE WALL REINFORCEMENT LENGHT OF 0.5**H
*** NO PAYMENT WILL BE MADE FOR THE SOIL NAIL WALL PART OF THE SMSE WALL.



NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

GEOTECHNICAL ENGINEERING UNIT RETAINING WALL NO. 1 REPLACE BRIDGE 99 ON US 64/US70 OVER SOUTHERN RAILROAD

REVISIONS						
1 0.	BY	DATE	NO.	BY	DATE	
1			3			
2			4			

PREPARED BY: MHS DATE: 12/20/22

REVIEWED BY: SCC DATE: 12/20/22