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(12-17-19)

PROJECT NO. A-0009CA SHEET NO. 3G-1

**STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS**

SUMMARY OF SUBSURFACE DRAINAGE

LINE	Station	Station	Location LT/RT/CL	Drain Type* UD/BD/SD	LF
-L-	124+00	132+00	LT/RT	SD	1200
-L-	191+00	193+00	RT	SD	400
-L-	205+00	207+00	LT/RT	SD	400
CONTINGENCY				SD	500
TOTAL LF:					2500

*UD = Underdrain
 *BD = Blind Drain
 *SD = Subsurface Drain

**SUMMARY OF GEOTEXTILE
 FOR PAVEMENT STABILIZATION**

LINE	Station	Station	Geotextile for Pavement Stabilization SY	Class IV Subgrade Stabilization TONS
-L-	31+50	33+50	470	200
-L-	34+50	36+50	470	210
-L-	42+50	46+00	1030	440
-L-	47+00	47+50	1170	510
-L-	55+00	59+20	430	190
-L-	64+50	67+50	250	110
-L-	72+00	72+50	520	220
-L-	79+00	80+50	1740	750
-L-	108+50		130	60
-L-	114+00	119+50	1480	640
-L-	135+00	140+00	1420	610
-L-	150+50	151+50	250	110
-L-	157+50	158+00	210	90
-L-	162+00	163+50	490	210
-L-	165+00	167+50	640	280
-L-	172+00	175+50	820	350
-L-	177+50	178+50	290	130
-L-	180+00		110	50
-L-	182+00	187+50	1350	580
-L-	194+50	195+00	130	60
CONTINGENCY				
TOTAL SY/TONS:			13400	5800*

*Total tons of "Class IV Subgrade Stabilization" is only the estimated quantity for pavement stabilization and may only represent a portion of the subgrade stabilization quantity shown in the Item Sheets of the Proposal.

SUMMARY OF AGGREGATE SUBGRADE/STABILIZATION

LINE	Station	Station	Aggregate Type* ASU(1/2)/AST	Aggregate Thickness INCHES [8" for ASU(2)]	Shallow Undercut CY	Class IV Subgrade Stabilization TONS	Geotextile for Soil Stabilization SY	Stabilizer Aggregate TONS	Class IV Aggregate Stabilization TONS
CONTINGENCY			ASU (1)	12	1000	2000	3000	600	0
TOTAL CY/TONS/SY:					1000	2000**	3000**	600	0

*ASU(1/2) = Aggregate Subgrade (Type 1 or 2)
 *AST = Aggregate Stabilization

**Total tons of "Class IV Subgrade Stabilization" and total square yards of "Geotextile for Soil Stabilization" are only the estimated quantities for ASU(1/2)/AST and may only represent a portion of the subgrade stabilization and geotextile quantities shown in the Item Sheets of the Proposal.

SUMMARY OF REINFORCED SOIL SLOPES AND SLOPE EROSION CONTROL

LINE	Beginning Slope/ RSS (H:V)	Approx. Station	Ending Slope/ RSS (H:V)	Approx. Station	Location LT/RT	Reinforced Soil Slope (RSS) SY	Geocells SY	Coir Fiber Mat SY	Matting for Erosion Control SY
-L-	1.5:1	60+25	1.5:1	63+75	RT			2700	
-L-	1.5:1	70+25	1.5:1	71+25	RT			680	
-L-	1.5:1	74+25	1.5:1	77+75	RT			3480	
-L-	1.5:1	86+75	1.5:1	87+25	LT			380	
TOTAL SY:						0	0	7240*	

*Total square yards of "Coir Fiber Mat" is only the estimated quantity for slopes steeper than 2:1 (H:V) and may only represent a portion of the coir fiber mat quantity shown in the Item Sheets of the Proposal.

**Total square yards of "Matting for Erosion Control" is only the estimated quantity for RSS and may only represent a portion of the matting quantity shown in the Item Sheets of the Proposal.

SUMMARY OF ROCK PLATING

LINE	Beginning Slope (H:V)	Approx. Station	Ending Slope (H:V)	Approx. Station	Location LT/RT	Rock Plating Detail No. 1/2/3/4	Riprap Class* 1/2/B	Rock Plating SY
-L-	1.5:1	42+00	1.5:1	45+64	LT	2	*	1430
-L-	1.5:1	44+50	1.5:1	45+00	RT	2	*	180
-L-	1.5:1	47+14	1.75:1	48+00	RT	2	*	410
-L-	1.5:1	56+00	1.5:1	58+00	RT	2	*	1110
-L-	1.5:1	57+00	1.5:1	59+50	LT	2	*	1110
TOTAL SY:								4240

*Use Class 1, 2 or B riprap if riprap class is not shown for rock plating location.