

COMPUTED BY: GCB DATE: 11/07/17
 CHECKED BY: SAH DATE: 11/07/17

(2-16-16)

PROJECT NO. U-2525C SHEET NO. 3G-1

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

SUMMARY OF GEOTEXTILE
 FOR PAVEMENT STABILIZATION

SUMMARY OF SUBSURFACE DRAINAGE

LINE	Station	Station	Location LT/RT/CL	Drain Type* UD/BD/SD	LF
-L-	393+00	414+50	LT/RT/CL	SD	6450
-L-	443+50	457+00	LT/RT/CL	SD	2850
-L-	514+50	527+50	LT/RT/CL	SD	2100
-LACFLY-	15+50	17+25	LT/RT	SD	350
**Y13RPD-	16+80	18+70	RT	UD	200
CONTINGENCY					500
TOTAL LF:					12450

*UD = Underdrain
 *BD = Blind Drain
 *SD = Subsurface Drain
 **Y13RPD- Underdrains are temporary

LINE	STATION	STATION	Geotextile for Pavement Stabilization SY	Class IV Subgrade Stabilization TONS
-L- LT	275+00	329+40.89	35374	23678
-L- LT	330+50.90	336+30.88	2698	1792
-L- LT	338+23.55	469+87.12	63342	42740
-L- LT	470+97.78	520+34.53	50560	31456
-L- RT	275+00	329+41.63	37014	15987
-L- RT	330+50.15	336+18.46	4062	1756
-L- RT	338+11.13	469+89.46	96922	41886
-L- RT	471+00.81	552+99.67	75975	32878
-LACFLY-	17+75	53+00	6824	
-LCD-	40+50	53+00	6667	
-Y4RPA-	10+00	26+57.05	6882	2906
-Y4RPC-	10+00	25+34	10502	2624
-Y4LPA-	10+00	18+93.01	2829	1210
-Y4LPC-	10+00	18+82.94	3140	1365
-Y6LPA-	10+00	20+28.28	3246	1413
-Y6RPA-	10+00	29+15.50	8679	3136
-Y6RPB-	10+00	31+65.75	7466	3247
-Y6RPC-	10+00	27+59.17	7306	3178
-Y6RPD-	10+00	27+42	6647	2774
-Y6LPC-	10+00	20+72.86	2902	1262
-Y13RPD-	10+00	17+00	6833	2972
-Y13RPA-	10+00	24+00	5737	2504
-RPAY8-	4+41	9+75.59	2625	1142
-RPDY8-	3+46	11+04	3158	1374
CONTINGENCY			800	500
TOTAL SY:			458190**	223780**

**The Total quantities are only the estimated quantity for Geotextile for Pavement and Class IV Stabilization and may only represent a portion of the quantities shown in the Item Sheets of the Proposal.

SUMMARY OF AGGREGATE SUBGRADE/STABILIZATION

LINE	Station	Station	Aggregate Type* ASU/AST	Aggregate Thickness INCHES	Shallow Undercut CY	Class IV Subgrade Stabilization TONS	Geotextile for Soil Stabilization SY	Stabilizer Aggregate TONS	Class IV Aggregate Stabilization TONS
CONTINGENCY			AST	3				500	
CONTINGENCY			ASU	12	500	1000	1500		
CONTINGENCY			ASU		300	500	800		
TOTAL CY/TONS/SY:					800**	1500**	2300**	500**	0

*ASU = Aggregate Subgrade
 *AST = Aggregate Stabilization
 **The Total quantities are only the estimated quantity for ASU/AST and may only represent a portion of the quantities shown in the Item Sheets of the Proposal.

SUMMARY OF SURCHARGE WALLS
 AND SURCHARGE WAITING PERIODS

Bridge Description	End Bent/ Bent No.	MONTHS
Structure 2 - Bridge No. 1241 on I-85 Bypass (-L-) over Lees Chapel Road (-Y1-)	1	2
Structure 2 - Bridge No. 1241 on I-85 Bypass (-L-) over Lees Chapel Road (-Y1-)	2	2
Structure 3 - Bridge No. 1242 on I-85 Bypass (-L-) over Lees Chapel Road (-Y1-)	1	2
Structure 3 - Bridge No. 1242 on I-85 Bypass (-L-) over Lees Chapel Road (-Y1-)	2	2

For Surcharge Walls, see Surcharge Wall Plans and Surcharge Walls Provision

SUMMARY OF
 SETTLEMENT GAUGES

Gauge No.	LINE and Station	Offset	
		Distance FT	Direction LT/RT
1	338 + 36 - L -	24	LT
2	338 + 45 - L -	58	LT
3	338 + 23 - L -	24	RT
4	338 + 14 - L -	58	RT
TOTAL GAUGES (EACH):			4

SUMMARY OF SETTLEMENT INSTRUMENTATION AND
 MONITORING ASSISTANCE

LUMP SUM PAY ITEMS
Instrumentation Installation Assistance at Structures 2 and 3 (Bridges No. 1241 and 1242) - End Bent 1
Instrumentation Installation Assistance at Structures 2 and 3 (Bridges No. 1241 and 1242) - End Bent 2
Instrumentation Installation Assistance at Structure 7 (Bridge No. 1246) - End Bent 1
Instrumentation Installation Assistance at Structure 7 (Bridge No. 1246) - End Bent 2
Settlement Monitoring Assistance at Structures 2 and 3 (Bridges No. 1241 and 1242) - End Bent 1
Settlement Monitoring Assistance at Structures 2 and 3 (Bridges No. 1241 and 1242) - End Bent 2
Settlement Monitoring Assistance at Structure 7 (Bridge No. 1246) - End Bent 1
Settlement Monitoring Assistance at Structure 7 (Bridge No. 1246) - End Bent 2

SUMMARY OF BRIDGE WAITING PERIODS

Bridge Description	End Bent/ Bent No.	MONTHS
Structure 1 - Bridge No. 1240 on SR 2526 (Summit Ave.) over I-85 Bypass (-L-)	1	1
Structure 1 - Bridge No. 1240 on SR 2526 (Summit Ave.) over I-85 Bypass (-L-)	2	1
Structure 4 - Bridge No. 1243 on I-85 Bypass (-L-) over Norfolk Southern Railroad (-Y2-)	1	1
Structure 5 - Bridge No. 1244 on I-85 Bypass (-L-) over Norfolk Southern Railroad (-Y2-)	1	1
Structure 6 - Bridge No. 1245 on Yanceyville Rd. (-Y4-) over I-85 Bypass (-L)	1	1
Structure 6 - Bridge No. 1245 on Yanceyville Rd. (-Y4-) over I-85 Bypass (-L)	2	1
Structure 7 - Bridge No. 1246 on SR 1001 (North Church St.) (-Y5-) over I-85 Bypass (-L)	1	1
Structure 7 - Bridge No. 1246 on SR 1001 (North Church St.) (-Y5-) over I-85 Bypass (-L)	2	1
Structure 8 - Bridge No. 1247 on I-85 Bypass (-L-) over N. Elm St. (-Y6-)	1	1
Structure 8 - Bridge No. 1247 on I-85 Bypass (-L-) over N. Elm St. (-Y6-)	2	1
Structure 9 - Bridge No. 1248 on I-85 Bypass (-L-) over N. Elm St. (-Y6-)	1	1
Structure 9 - Bridge No. 1248 on I-85 Bypass (-L-) over N. Elm St. (-Y6-)	2	1