

**STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS**

I-2513AB

SUMMARY OF SUBSURFACE DRAINAGE

LINE	Station	Station	Location LT/RT/CL	Drain Type* UD/BD/SD	LF
-RPC-	22+25	29+00	LT to RT	SD	1350
CONTINGENCY					1000
TOTAL LF:					2350

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

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 Subgrade Stabilization SY	Stabilizer Aggregate TONS	Class IV Aggregate Stabilization TONS
-L1 EB-	37+52	66+10	ASU(2)	8		2710	6010		
-L1 WB	38+02	66+00	ASU(2)	8		2730	6050		
-RPC-	10+00	48+68	ASU(2)	8		9030	20055		
-RPDB-	10+00	20+70	ASU(2)	8		1050	2330		
-RPD-	10+00	16+96	ASU(2)	8		760	1690		
-Y5RPA-	21+27.10	27+49	ASU(2)	8		1620	3590		
CONTINGENCY			AST	3				500	
CONTINGENCY			1	12	1000	2000	3000	0	0
TOTAL CY/TONS/SY:					1000	19900**	42725**	500	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 Subgrade 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 BRIDGE WAITING PERIODS

Bridge Description	End Bent/ Bent No.	MONTHS
Bridge No. 902 on -Y5RPA- over Blue Ridge Southern RR	2	3

ESTIMATED QUANTITIES FOR ROCK FILL STEEPENED SLOPE SECTION**

LINE	Beginning Slope	Approx. Station	Ending Slope	Approx. Station	Location LT/RT	Geotextile for Drainage, Type 2 SY	RIPRIP Class 2 Tons*	Select Material Class IV Tons***
-L1_EB-	1.75:1	59+50	1.75:1	60+50	LT	1650	5500	65

*Based on Unit Weight of 105 pcf
 ** Refer to Sheet No. 2G-1
 ***Based on Minimum 18" depth.

**SUMMARY OF EMBANKMENT
 WAITING PERIODS**

LINE	Station	Station	MONTHS
-RPC-	23+00	30+50	5

SUMMARY OF SETTLEMENT GAUGES

Gauge No.	LINE and Station	Offset	
		Distance FT	Direction LT/RT
1	-RPC- 24+00	25	RT
2	-RPC- 26+00	25	RT
3	-RPC- 28+00	25	RT
4	-RPC- 30+00	0	RT
5	-Y5RPA- 21+50	25	RT
6	-Y5RPA- 21+65	25	RT
TOTAL GAUGES (EACH):			6