COMPUTED BY: __S. Mitchell____ DATE: ___2/25/2022____
CHECKED BY: ___K. Hill_____ DATE: ___2/25/2022____

(12-17-19)

PROJECT NO.	SHEET NO.
I-5987B	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-	515+50	529+50	LT/RT	SD	5600
-L-	568+25	574+25	LT/RT	SD	2400
-L-	593+25	559+50	LT/RT	SD	2500
-L-	634+50	639+50	LT/RT	SD	2000
-L-	653+25	655+75	LT/RT	SD	1000
-L-	658+25	660+75	LT/RT	SD	1000
-L-	669+50	675+50	LT	SD	1200
-L-	680+75	699+50	LT/RT	SD	7500
-L-	705+00	713+25	LT/RT	SD	3300
-L-	733+25	735+75	LT/RT	SD	1000
-L-	738+25	740+75	LT/RT	SD	1000
-L-	748+25	750+75	LT	SD	500
-L-	769+50	784+50	RT	SD	3000
-L-	814+50	824+50	LT/RT	SD	4000
-L-	864+50	874+50	LT/RT	SD	4000
-L-	882+25	889+50	LT/RT	SD	2900
-L-	894+50	898+25	LT/RT	SD	1500
-L-	903+25	915+00	LT/RT	SD	4700
-SR3-	24+50	28+50	LT/RT	SD	800
-SR3-	38+00	41+00	RT	SD	600
-Y1BRPC-	10+00	14+50	RT	SD	900
-Y5-	18+50	22+25	LT	SD	800
-Y5RPA-	19+00	23+77	RT	SD	1000
CONTINGENCY					6000
				TOTAL LF:	59200

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

SUMMARY OF SETTLEMENT GAUGES

Gauge No.	LINE and Station	Offset	
		Distance FT	Direction LT/RT
1	-L- 577+00	68	RT
2	-L- 579+00	68	RT
3	-L- 579+00	77	LT
4	-L- 581+00	68	RT
5	-L- 581+00	77	LT
6	-L- 583+00	68	RT
7	-L- 583+00	77	LT
8	-L- 588+60	68	RT
9	-L- 796+00	68	RT
10	-L- 798+00	68	RT
11	-L- 800+00	68	RT
12	-L- 806+00	68	RT
13	-L- 808+00	68	RT
14	-Y1B- 26+50	20	RT
15	-Y1B- 27+85	25	LT
16	-Y1B- 28+30	25	RT
17	-Y1B- 30+75	25	LT
18	-Y1B- 31+20	25	RT
19	-Y1B- 32+50	20	RT
20	-Y1B- 34+50	20	RT
21	-Y4- 23+75	20	LT
22	-Y4- 25+75	20	LT
23	-Y6- 29+15	20	LT
24	-Y6- 31+40	20	LT
25	-Y7- 28+60	20	RT
26	-Y7- 30+80	20	RT
		TOTAL GAUGES (EACH):	26

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	1900	3000		
				TOTAL CY/TONS/SY:	1000	1900**	3000**	0	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 SURCHARGES AND SURCHARGE WAITING PERIODS*

LINE	Station	Station	Surcharge Height FT	MONTHS
-L-	575+25	584+93	3	8
-L-	587+17	588+75	3	8
-L-	792+00	801+93	3	7
-L-	804+17	808+60	4	12

*See 2G-1 through 2G-3 for Surcharge Details

SUMMARY OF EMBANKMENT WAITING PERIODS

LINE	Station	Station	MONTHS
-L-	576+75	583+88	6
-Y1B-	26+25	26+83	4
-Y1B-	32+19	37+00	4
-Y1BRAB2-	10+00	13+90	4

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
-Y7-	2.5:1	31+75	2.5:1	35+25	RT	2		2200
							TOTAL SY:	2200

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

SUMMARY OF BRIDGE WAITING PERIODS

Bridge Description	End Bent/ Bent No.	MONTHS
Bridge No. 154 on -Y4- over -L- at -L- Sta. 573+67.86	EB1/EB1	2
Bridge No. 156 on -L- over Big Marsh Swamp at -L- Sta. 586+14.00	EB1/EB2	1
Bridge No. 100 on -Y1B- over -L- at -L- Sta. 702+75.43	EB1/EB2	4
Bridge No. 162 on -Y6- over -L- at -L- Sta. 761+20.96	EB1	2
Bridge No. 162 on -Y6- over -L- at -L- Sta. 761+20.96	EB2	3
Bridge No. 167 on -Y7- over -L- at -L- Sta. 883+36.60	EB1/EB2	2