

State Project No. 8.1811201

TIP No. U-2408 WBS Element No. 34799.1.1

Widening of Bridge No. 57 over Norfolk Southern Railroad on NC 274 Between Isley Drive and Delta Drive

Gaston County, North Carolina

SUMMARY OF LABORATORY TEST DATA

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					Atterberg Limits			Gradation Results								
Boring Number	Sample Depth (m)	Sample No.*	Natural Moisture Content (%)	AASHTO Class (Group Index)	N-Value (blows/ft.)	L.L.	P.L.	P.I.	Pass #10 Sieve	Pass #40 Sieve	Pass #200 Sieve	Retained #270 Sieve	Coarse Sand (%)	Fine Sand (%)	Silt (%)	Clay (%)
EB1-A	4.11-4.56	SS-1	27.9	A-4 (0)	8	34	NP	NP	97	84	43	61	25	35	21	19
EB1-A	10.21-10.66	SS-2	41.4	A-7-5 (23)	12	56	36	20	100	97	90	11	4	7	22	67
EB1-A	20.88-21.33	SS-3	-	A-2-4 (0)	17	28	NP	NP	96	67	35	69	41	27	26	6
EB1-B	4.11-4.56	SS-4	27.0	A-4 (1)	10	38	33	5	97	84	51	53	22	30	23	25
EB1-B	10.21-10.66	SS-5	37.2	A-5 (5)	16	51	43	8	100	87	60	42	20	22	22	36
EB1-B	11.74-12.19	SS-6	-	A-2-4 (0)	28	33	NP	NP	97	67	31	74	42	32	17	9
B1-A	0.30-0.75	SS-7	22.1	A-4 (0)	6	34	27	7	97	73	43	61	35	24	19	22
B1-A	11.74-12.19	SS-8	-	A-2-4 (0)	22	39	NP	NP	92	62	25	79	46	31	19	4
B1-B	1.07-1.52	SS-9	27.8	A-7-6 (18)	15	56	29	27	97	87	68	35	16	17	32	35
B1-B	8.69-9.14	SS-10	-	A-2-4 (0)	10	28	NP	NP	99	73	21	83	42	41	15	2
B2-A	13.26-13.71	SS-11	-	A-2-4 (0)	12	34	NP	NP	100	90	32	74	27	47	23	3
B2-B	1.07-1.52	SS-12	28.6	A-7-6 (8)	9	44	28	16	97	84	58	45	21	23	43	13
B2-B	8.69-7.14	SS-13	38.8	A-5 (0)	20	42	NP	NP	100	99	37	76	3	72	19	6
EB2-A	2.59-3.04	SS-14	28.8	A-4 (0)	15	36	NP	NP	99	84	46	59	22	36	18	24
EB2-A	11.74-12.19	SS-15	47.0	A-5 (0)	15	50	NP	NP	100	94	46	61	15	46	32	7
EB2-B	1.07-1.52	SS-16	28.4	A-4 (1)	7	38	29	9	97	76	44	60	31	28	18	23
EB2-B	8.69-9.14	SS-17	32.0	A-7-5 (22)	18	60	34	26	100	89	76	26	15	12	27	46
EB2-B	16.31-16.76	SS-18	-	A-2-4 (0)	17	40	NP	NP	93	66	29	74	42	30	22	6

* SS = Split-Spoon Sample (ASTM-D-1586)

** G = Grab Sample

***ST=Shelby Tube (Undisturbed) Sample

NP -- Non Plastic

NA -- Non Applicable