

Summary of Soil Laboratory Tests

Project Name: Widening of I-75 from SR7 to SR122, Lowndes County GDOT Project No.: NHS00-0000-00(762) GDOT P.I. No.: 0000762 MAAI Project No.: 11512					
Sample location:	Ramp BB 80+00, BL	Reloc. Union Rd. 33+00, BL	Reloc. Union Rd. 43+00, BL	Reloc. Union Rd. 58+00, BL	Union Rd. Tie-in
Sample depth:	1' - 5'	1' - 5'	1' - 5'	1' - 5'	1' - 5'
Lab No.:	4748	4750	4752	4755	4756
Date sampled:	11/14/2013	11/14/2013	11/13/2013	11/15/2013	11/15/2013
Date tested:	12/12/2013	12/16/2013	12/6/2013	12/18/2013	12/16/2013
Soil description:	Light grey/tan sand	Black/grey sand	Black/tan sand	Tan sand	Dark grey sand
% Passing No. 10:	100.0	100.0	100.0	100.0	100.0
% Passing No. 20:	94.6	95.1	95.8	95.5	96.2
% Passing No. 40:	86.4	81.2	81.9	80.2	83.0
% Passing No. 60:	54.3	62.6	62.8	62.1	65.8
% Passing No. 100:	340.5	37.6	37.0	39.1	41.2
% Passing No. 200:	19.8	19.0	23.3	20.0	23.7
% Clay:	12.6	11.3	4.8	11.3	11.6
D ₇₅ (mm)	0.352	0.356	0.351	0.365	0.332
Total volume change:	4.1	2.7	5.6	6.5	5.7
% Swell:	2.2	1.2	4.9	5.2	4.5
% Shrinkage:	1.9	1.5	0.7	1.3	1.2
Max. Dry Density (pcf):	118.9	114.9	119.5	118.8	115.3
% Optimal Moisture:	8.5	8.8	8.5	10.5	8.8
Liquid Limit:	NP	NP	NP	NP	NP
Plastic Limit:	NP	NP	NP	NP	NP
Plasticity index:	NP	NP	NP	NP	NP
Erosion index	9.65	7.79	7.30	7.67	8.80
CBR					
Resistivity					
In-situ Moist Content, %	6.6	22.4	17.5	12.4	11.5
Ph					
Organic					
GDOT Class:	IA2	IA2	IA1	IA1	IA2

Remarks: GDOT Methods GDT-4, GDT-6, GDT-67

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