

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:	Main St. 45+00, 30' Rt	Main St. 53+00, 30' Rt.	Main St. 63+00, 20' Rt	Relocated Morven St. 40+00, BL	Relocated Morven St. 50+00, BL
Sample depth:	1' - 5'	1' - 5'	1' - 4'	2' - 5'	1' - 4'
Lab No.:	4713	4714	4716	4718	4720
Date sampled:	11/9/2013	11/8/2013	11/8/2013	11/8/2013	11/8/2013
Date tested:	11/21/2013	11/21/2013	12/17/2013	11/26/2013	11/29/2013
Soil description:	Dark grey sand	Brown/grey sand	Light grey sand	Tan sand	Tan sand with some clay
% Passing No. 10:	100.0	100.0	100.0	100.0	100.0
% Passing No. 20:	97.2	96.2	97.0	94.3	95.8
% Passing No. 40:	86.0	82.0	83.5	80.5	79.6
% Passing No. 60:	68.9	64.0	65.7	64.0	65.1
% Passing No. 100:	42.9	41.4	40.3	38.6	36.9
% Passing No. 200:	16.8	24.7	16.9	19.9	20.1
% Clay:	6.2	15.9	5.1	11.2	13.6
D ₇₅ (mm)	0.302	0.346	0.330	0.356	0.359
Total volume change:	4.8	5.6	2.5	4.0	4.5
% Swell:	3.6	3.7	2.3	3.3	2.9
% Shrinkage:	1.2	1.9	0.2	0.7	1.6
Max. Dry Density (pcf):	115.3	115.0	116.6	119.2	117.9
% Optimal Moisture:	8.8	8.9	8.7	8.6	8.5
Liquid Limit:	NP	NP	NP	NP	NP
Plastic Limit:	NP	NP	NP	NP	NP
Plasticity Index:	NP	NP	NP	NP	NP
Erosion index	8.16	7.18	8.16	8.80	8.53
CBR					
Resistivity					
In-situ Moist Content, %	9.8	4.8	6.7	12.8	6.6
Ph					
Organic					
GDOT Class:	IA2	IA2	IA2	IA1	IA2

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

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