

## Summary of Soil Laboratory Tests

<b>Project Name: Widening of I-75 from SR7 to SR122, Lowndes County</b> <b>GDOT Project No.: NHS00-0000-00 (762)</b> <b>GDOT P.I. No.: 0000762</b> <b>MAAI Project No.: 11512</b>				
Sample location:	Shiloh Rd 60+00, 30' Lt	Shiloh Rd 66+00, 30' Rt	Golden Oaks Dr. 12+00, 20' Rt	Amber Dr. 11+50, 20' Rt
Sample depth:	1' - 6'	1' - 4'	4' - 8'	2' - 5'
Lab No.:	4688	4690	4691	4693
Date sampled:	11/7/2013	11/4/2013	11/7/2013	11/8/2013
Date tested:	12/11/2013	11/28/2013	11/28/2013	12/8/2013
Soil description:	Brown sandy silt with clay	Brown/tan silty sand	Grey/red clay	Light brown/tan silty sand
% Passing No. 10:	100.0	100.0	100.0	100.0
% Passing No. 20:	98.2	98.2	99.8	99.0
% Passing No. 40:	93.6	91.0	98.4	94.8
% Passing No. 60:	86.3	78.1	95.3	84.9
% Passing No. 100:	71.5	54.2	84.9	57.4
% Passing No. 200:	54.7	31.5	69.7	29.1
% Clay:	46.3	21.1	56.0	19.1
D <sub>5</sub> (mm)	0.169	0.234	0.096	0.208
Total volume change:	5.6	8.8	15.9	8.9
% Swell:	1.0	7.4	9.9	7.7
% Shrinkage:	4.6	1.4	6.0	1.2
Max. Dry Density (pcf):	106.0	122.0	101.9	122.8
% Optimal Moisture:	16.0	10.0	18.3	9.8
Liquid Limit:	39	29	37	NP
Plastic Limit:	34	18	25	NP
Plasticity Index:	5	11	12	NP
Erosion index	3.49	6.32	1.64	7.79
CBR				
Resistivity				
In-situ Moist Content, %	15.8	10.6	20.3	9.6
Ph				
Organic				
<b>GDOT Class:</b>	<b>IIB3</b>	<b>IIB2</b>	<b>IIB4</b>	<b>IIB1</b>

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

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