

**Summary of Soil Laboratory Tests**

**Widening of I-75 from SR7 to SR122, Lowndes County**

**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:	Shiloh Rd 19+50, 30' Rt	Shiloh Rd 30+00, 30' Lt	Shiloh 40+00, 50' Rt	Shiloh Rd 48+00, 50' Rt
Sample depth:	1' - 5'	2' - 6'	1' - 3'	1' - 4'
Lab No.:	4679	4681	4683	4685
Date sampled:	11/7/2013	11/7/2013	11/7/2013	11/4/2013
Date tested:	12/4/2013	12/4/2013	12/6/2013	12/11/2013
Soil description:	Tan/grey sand	Red/light grey clayey sand	Tan/brown silty sand	Brown/grey silty sand
% Passing No. 10:	100.0	100.0	100.0	100.0
% Passing No. 20:	98.8	99.2	99.0	97.6
% Passing No. 40:	93.2	96.4	94.7	90.9
% Passing No. 60:	78.8	88.5	85.2	79.6
% Passing No. 100:	39.7	58.5	59.1	53.2
% Passing No. 200:	13.6	34.3	37.7	35.9
% Clay:	9.0	25.4	31.6	22.2
D <sub>75</sub> (mm)	0.238	0.199	0.205	0.229
Total volume change:	8.2	1.6	3.2	13.4
% Swell:	7.2	0.4	1.2	11.9
% Shrinkage:	1.0	1.2	2.0	1.5
Max. Dry Density (pcf):	109.6	120.1	115.8	117.7
% Optimal Moisture:	9.3	10.1	12.5	11.7
Liquid Limit:	NP	27	25	22
Plastic Limit:	NP	19	18	17
Plasticity Index:	NP	8	7	5
Erosion index	8.53	5.95	5.58	7.42
CBR				
Resistivity				
In-situ Moist Content, %	13.5	18.3	11.7	12.9
Ph				
Organic				
<b>GDOT Class:</b>	<b>IA3</b>	<b>IIB2</b>	<b>IIB3</b>	<b>IIB2</b>

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

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