

Summary of Soil Laboratory Tests

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

Project Name: **GDOT Project No.:** **GDOT P.I. No.:** **MAAI Project No.:**

0000762

11512

Sample location:	Ramp B 70+00, 10' Rt	Access Rd 8+50, CL	Main St. 35+00, 20' Lt	Main St. 40+00, 30' Rt
Sample depth:	1' - 5'	1' - 5'	1' - 5'	1' - 4'
Lab No.:	4707	4710	4711	4712
Date sampled:	11/10/2013	11/9/2013	11/7/2013	11/9/2013
Date tested:	11/29/2013	11/28/2013	11/17/2013	11/20/2013
Soil description:	Pink/white sandy silt	Brown micaceous sandy silt	Dark grey sand	Grey sand
% Passing No. 10:	100.0	100.0	100.0	100.0
% Passing No. 20:	98.8	97.8	95.0	92.5
% Passing No. 40:	93.5	93.0	79.5	75.2
% Passing No. 60:	86.3	83.9	61.2	57.5
% Passing No. 100:	70.2	65.4	38.4	35.0
% Passing No. 200:	52.0	43.9	18.5	18.6
% Clay:	48.8	35.4	9.7	10.9
D ₅ (mm)	0.175	0.196	0.373	0.422
Total volume change:	3.7	9.4	1.8	5.8
% Swell:	1.2	4.9	0.7	3.9
% Shrinkage:	2.5	4.5	1.1	1.9
Max. Dry Density (pcf):	106.4	106.7	120.2	114.6
% Optimal Moisture:	16.4	14.0	8.5	8.9
Liquid Limit:	28		NP	NP
Plastic Limit:	22		NP	NP
Plasticity Index:	6		NP	NP
Erosion index	3.73	4.84	7.92	8.90
CBR				
Resistivity				
In-situ Moist Content, %	21.4	16.6	9.6	7.8
Ph				
Organic				
GDOT Class:	IIB3	IIB3	IA1	IA2

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

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