

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:	Relocated Morven Rd 60+00, BL	Relocated Morven Rd 69+00, BL	Ramp CC 45+00, BL	Ramp CC 55+00, 10' Lt
Sample depth:	1' - 5'	1' - 6'	2' - 5'	1' - 5'
Lab No.:	4722	4724	4726	4728
Date sampled:	11/8/2013	11/9/2013	11/9/2013	11/11/2013
Date tested:	12/3/2013	12/4/2013	12/6/2013	12/6/2013
Soil description:	Tan sand	Grey/tan clayey sand	Tan sand	Tan sand
% Passing No. 10:	100.0	100.0	100.0	100.0
% Passing No. 20:	96.3	89.1	95.9	94.4
% Passing No. 40:	84.1	69.0	82.5	77.4
% Passing No. 60:	67.7	52.8	65.4	59.3
% Passing No. 100:	44.9	36.8	40.4	33.7
% Passing No. 200:	24.3	23.9	17.7	14.7
% Clay:	15.3	18.4	9.1	6.6
D ₇₅ (mm)	0.317	0.523	0.337	0.396
Total volume change:	4.2	8.9	7.1	5.5
% Swell:	3.5	7.2	6.4	4.6
% Shrinkage:	0.7	1.7	0.7	0.9
Max. Dry Density (pcf):	120.5	122.5	119.0	117.8
% Optimal Moisture:	10.0	9.5	8.7	8.7
Liquid Limit:	NP	NP	NP	NP
Plastic Limit:	NP	NP	NP	NP
Plasticity Index:	NP	NP	NP	NP
Erosion index	7.18	7.30	8.06	9.39
CBR				
Resistivity				
In-situ Moist Content, %	16.8	8.7	11.9	4.7
Ph				
Organic				
GDOT Class:	IA2	IB1	IA2	IA1

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

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