Wang Engineering
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1145 N Main Street
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Telephone: 630 953-9928
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BORING LOG 2081-B-05

WEI Job No.: 1100-04-01

Client: **AECOM**
Project: **Circle Interchange Reconstruction**
Location: **Sections 16 and 17, T39N, R14E of 3rd PM**

Datum: NAVD 88
Elevation: 576.47 ft
North: 1897894.07 ft
East: 1171080.41 ft
Station: 3834+53.70
Offset: 44.26 LT

Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
576.0	6-inch thick, ASPHALT --PAVEMENT--						
575.1							
574.7	10-inch thick, CONCRETE --PAVEMENT--						
	5-inch thick, CRUSHED STONE --BASE COURSE--			1	9 5 5	4.00 P	19
573.2	Hard, brown SILTY CLAY LOAM, trace gravel --FILL--	5		2	3 4 4	2.30 B	18
	Medium stiff to very stiff, gray SILTY CLAY LOAM, trace gravel --L_L(%)=30, P_L(%)=15-- --%Gravel=5.9-- --%Sand=17.2-- --%Silt=51.1-- --%Clay=25.8-- --A-6 (9)--			3	2 2 4	0.90 B	20
		10		4	2 3 4	0.90 B	19
				5	3 3 5	1.89 B	18
563.5	Soft to medium sitff, gray CLAY, trace gravel						
		15		6	2 3 3	0.74 B	20
				7	2 2 2	0.66 B	23
	--L_L(%)=33, P_L(%)=16-- --%Gravel=3.8-- --%Sand=13.4-- --%Silt=43.5-- --%Clay=39.3-- --A-6 (13)--	20		8	1 1 2	0.25 B	26
				9	0 1 1	0.25 B	26
		25		10	0 0 2	0.25 B	25
				11	0 2 3	0.49 B	26
548.5	Medium dense, gray SANDY LOAM, some gravel						
		30		12	4 5 5	NP	14
544.7	Soft, gray SILTY CLAY LOAM, trace gravel and silt layers --L_L(%)=28, P_L(%)=14-- --%Gravel=4.9-- --%Sand=18.9-- --%Silt=54.4-- --%Clay=21.9-- --A-6(8)--						
		35		13	3 3 4	0.25 B	20
539.7	Very stiff to hard, gray SILTY CLAY, trace gravel --L_L(%)=36, P_L(%)=16-- --%Gravel=2.7-- --%Sand=8.6-- --%Silt=49.7-- --%Clay=39.0-- --A-6 (17)--						
		40		14	4 5 12	2.95 B	21
		45		15	5 8 11	3.94 B	14
		50		16	6 8 14	4.54 B	19

GENERAL NOTES

Begin Drilling: **03-26-2013** Complete Drilling: **03-26-2013**
Drilling Contractor: **Wang Testing Services** Drill Rig: **D-50 TMR**
Driller: **R&T** Logger: **D. Kolpacki** Checked by: **C. Marin**
Drilling Method: **2.25" SSA to 10', Mud Rotary 10' thereafter, boring backfilled upon completion**

WATER LEVEL DATA

While Drilling: **DRY**
At Completion of Drilling: **DRY**
Time After Drilling: **NA**
Depth to Water: **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC 11000401.GPJ WANGENG.GDT 4/5/13

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524.7	Very stiff, gray CLAY, some SILT layers						
		55		17	3 4 5	2.05 B	28
519.7	Very stiff to hard, gray SILTY CLAY LOAM to SILTY LOAM, trace gravel						
		60		18	6 9 18	3.44 B	17
		65		19	11 18 30	9.85 B	15
		70		20	19 24 24	3.44 S	20
		75		21	14 25 37	9.84 S	21
499.7	Very dense, gray SILTY LOAM, trace gravel						
		80		22	38 50/4"	NP	20
		85		23	50/5"	NP	13
	--AUGER REFUSAL--						
490.5	Strong, good rock quality, light gray, fresh, slightly fractured, vertical and hortizontal breaks, joint breaks with little to no infill, slightly vuggy DOLOSTONE Run 1 = 86' to 91' --RECOVERY=100% --RQD=77%	90		1		CORE	
	Run 2 = 91' to 96' --RECOVERY=100% --RQD=84%	95		2		CORE	
480.5	ROCK MASS RATING: Strength of rock material = 12 Drill core quality RQD = 17 Spacing of joints = 10 Condition of joints =20 Groundwater condition =10						
	Boring terminated at 96.00 ft	100					

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