

Boring No. 1
Station 143+51
Offset 11' Lt. E

DESCRIPTION	Elevation	N	Qu. 1/s.f.	W (%)	Surface Water El.		Elevation	N	Qu. 1/s.f.	W (%)
					Groundwater El. at Completion	After 24 Hours				
Ground Surface	818.7	0								
BROWN MOIST SILTY CLAY		22	2.1		810.2					14
		14	2.1	29						
	814.7									
BROWN WET SILTY CLAY LOAM		5	0.4	28						
		7	0.4							
	809.7									
BROWN MOIST CLAY LOAM		10	3.3	14						
		14	3.3							
		16	3.3							
		19	3.5	14						
	802.2									
GRAY MOIST CLAY LOAM TILL		24	3.3	14						
		22	3.9	14						
		16	1.9	14						
		19	2.0							
		23	2.9	15						
		20	2.5	14						
		19	2.7	14						
		16	2.7							
		43	3.3	12	748.2					
					END OF BORING					

Boring No. 2
Station 144+95
Offset 13' Rt. E

DESCRIPTION	Elevation	N	Qu. 1/s.f.	W (%)	Surface Water El.		Elevation	N	Qu. 1/s.f.	W (%)
					Groundwater El. at Completion	After 24 Hours				
Ground Surface	819.4	0								
BROWN MOIST SILTY CLAY		14	2.3		809.9					
		14	2.3							
	815.4									
MOTTLED WET SILTY CLAY LOAM		9	0.4							
		9	0.4							
	812.9									
BROWN MOIST CLAY LOAM		13	2.5							
		13	2.5							
		23	2.9							
	807.9									
BROWN WET SAND AND GRAVEL		28	3.1							
		28	3.1							
	804.9									
BROWN MOIST CLAY LOAM		13	4.1							
		13	4.1							
		16								
	800.4									
GRAY MOIST CLAY LOAM TILL		20	2.3							
		20	2.3							
		22	2.3							
		22	2.3							
		19	2.7							
		24	3.7							
		22	3.5							
		22	3.5							
		20	2.3							
		22	2.5							
		22	2.3							
		53	2.7	13						
		53	2.3	12	738.9					
					END OF BORING					

Boring No. 3
Station 146+43
Offset 11' Lt. E

DESCRIPTION	Elevation	N	Qu. 1/s.f.	W (%)	Surface Water El.		Elevation	N	Qu. 1/s.f.	W (%)
					Groundwater El. at Completion	After 24 Hours				
Ground Surface	819.8	0								
DARK BROWN MOIST SILTY CLAY LOAM		10	1.1	29	809.3					
		10	1.1	29						
	815.8									
MOTTLED MOIST SILTY CLAY		9	1.2	26						
		9	1.2	26						
	813.3									
MOTTLED WET SILTY CLAY LOAM		3	0.4	28						
		3	0.4	28						
		6	1.0	25						
	808.3									
BROWN MOIST CLAY LOAM		23	2.9	16						
		23	2.9	16						
		20	2.0							
	803.3									
GRAY MOIST CLAY LOAM TILL		13	1.9	14						
		13	1.9	14						
		17	2.5	14						
		17	2.5	14						
		18	3.3	13						
		18	3.3	13						
		20	3.7	12						
		20	3.7	12						
		26	3.0							
		26	3.0							
		20	2.3	15						
		20	2.3	15						
		20	2.3	13						
		20	2.3	13						
		45	4.6	13	754.3					
					END OF BORING					

N - Standard Penetration Test - Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140# hammer falling 30"
Qu - Unconfined Compressive Strength - t/s.f.
W - Water Content - percentage of oven dry weight - %
Type Failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value

DESIGNED
CHECKED
DRAWN: *Steele*
CHECKED: *D.E.B.*

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
BORINGS
PROJECT: F.A. 405
ILL. HWY. 174 OVER FA. ROUTE 405
FA. 405 SECTION 17
PEORIA COUNTY
STA. 929+03.1B

00-000210

MAURER-STUTZ
ENGINEERS SURVEYORS