

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SOIL BORING LOG

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ROUTE FAP 638 DESCRIPTION P92-061-99 IL 82 over the I & M Canal, 1.1 m. N. of Geneseo LOGGED BY W. Garza Date 1/4/06

SECTION 136 BR-1 LOCATION SEC. , TWP. , RNG.

COUNTY Henry DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. <u>037-0175</u>	D	B	U	M	Surface Water Elev. <u>601.52</u> ft	D	B	U	M
Station <u>1241+97</u>	E	L	C	O	Stream Bed Elev. <u>599.02</u> ft	P	O	S	I
BORING NO. <u>B-2</u>	T	W	S	Qu	Groundwater Elev.: <u>582.7</u> ft ▼	H	S	Qu	T
Station <u>1240+82</u>	H	S	Qu	T	First Encounter _____ ft	(ft)	(/6")	(tsf)	(%)
Offset <u>10.00ft Rt CL</u>					Upon Completion _____ ft				
Ground Surface Elev. <u>620.22</u> ft					After _____ Hrs. _____				

10" Asphalt					MEDIUM dark gray SANDY LOAM	4			
MEDIUM tan moist fine SAND						4	0.9	15.0	
						5	S		
						598.72			
LOOSE brown dirty fine SAND	617.72				MEDIUM gray SANDY LOAM	1			
						3	0.5	19.0	
						4	B		
	616.22					596.22			
VERY LOOSE brown dirty fine SAND					STIFF gray SILTY CLAY LOAM	1			
						2	1.2	25.0	
						3	B		
	613.72					593.72			
STIFF dark brown LOAM					MEDIUM gray SILTY CLAY	1			
						2	1.0	33.0	
						3	S		
	611.22					591.22			
VERY STIFF tan/gray CLAY LOAM					SOFT gray SILTY CLAY	1			
						1	0.4	34.0	
						2	B		
	608.72					588.72			
STIFF gray SANDY CLAY LOAM					MEDIUM gray SILTY CLAY	1			
						1	0.6	33.0	
						2	B		
	606.22					586.22			
STIFF gray SILTY CLAY LOAM					MEDIUM gray SILTY CLAY with fine SAND lens	1			
						1	0.8	34.0	
						2	B		
	603.22					583.22			
MEDIUM gray moist fine SAND, moist					MEDIUM gray dirty SAND & GRAVEL	2			
						9			
						16			
	600.72					580.72			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)



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Offset <u>10.00ft Rt CL</u>					Upon Completion _____ ft				
Ground Surface Elev. <u>620.22</u> ft					After _____ Hrs. _____				

VERY STIFF gray SILTY CLAY					MEDIUM gray dirty fine SAND	1			
						3			
						7			
	578.72					558.72			
VERY STIFF gray SILTY CLAY					MEDIUM gray fine SAND	1			
						2			
						11			
	576.22					556.22			
VERY STIFF gray SILTY CLAY					DENSE gray fine SAND	5			
						17			
						18			
	573.72					553.72			
VERY STIFF gray SILTY CLAY with SILT lens					1/5/06 VERY DENSE gray medium SAND	13			
						27			
						34			
	571.22					551.22			
STIFF gray SILTY LOAM					DENSE gray medium SAND	6			
						18			
						23			
	568.72					548.72			
VERY STIFF gray SILTY CLAY									
	566.22					546.72			
VERY STIFF gray SILTY CLAY with SILTY LOAM ORGANICS, lens					HARD gray SILTY CLAY TILL	5			
						8	4.2	19.0	
						11	S		
	563.72					543.22			
STIFF gray SILTY CLAY, ORGANICS					DENSE gray fine dirty SAND	3			
						18			
						25			
	560.72					541.22			

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Offset <u>10.00ft Rt CL</u>					Upon Completion _____ ft				
Ground Surface Elev. <u>620.22</u> ft					After _____ Hrs. _____				

VERY DENSE olive-green fine SAND						14			
						22			
						32			
	538.72								
End of Boring									

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DESIGNED - <u>BAS</u>
CHECKED - <u>KEF</u>
DRAWN - <u>SGM</u>
CHECKED - <u>RJA/KEF</u>

SOIL BORINGS
STRUCTURE NO. 037-0175

SHEET NO. <u>24</u>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	<u>638</u>	<u>129 BR-3</u>	<u>HENRY</u>	<u>73</u>	<u>41</u>
<u>24 SHEETS</u>	CONTRACT NO. <u>64B08</u>				
FED. ROAD DIST. NO. <u>ILLINOIS</u> FED. AID PROJECT					