

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 12/27/05

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

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

STRUCT. NO. 037-0175 Station 1241+97
BORING NO. B-1 Station 1242+30 Offset 36.00ft LI CL Ground Surface Elev. 605.72 ft

DEPTH (ft)	SOIL DESCRIPTION	WASH	U (ft)	M (%)	U (ft)	M (%)
1	MEDIUM dark brown LOAM		0.8	18.0		
2	MEDIUM gray SILTY LOAM		0.8	18.0		
3			1.5	28.0		
4			1.7	17.0		
5			1.5	28.0		
6			1.7	17.0		
7			1.5	28.0		
8			1.7	17.0		
9			1.5	28.0		
10			1.7	17.0		
11			1.5	28.0		
12			1.7	17.0		
13			1.5	28.0		
14			1.7	17.0		
15			1.5	28.0		
16			1.7	17.0		
17			1.5	28.0		
18			1.7	17.0		
19			1.5	28.0		
20			1.7	17.0		

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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DEPTH (ft)	SOIL DESCRIPTION	WASH	U (ft)	M (%)	U (ft)	M (%)
1	Wash					
2	VERY SOFT gray SILTY CLAY with SAND lens		2.1	36.0		
3	Wash					
4	VERY STIFF gray SILTY CLAY		2.3	21.0		
5	Wash					
6	DENSE gray dirty medium SAND					
7	Wash					
8	NO RECOVERY					
9	DENSE gray dirty medium SAND					
10	Wash					
11	VERY DENSE gray medium SAND					
12	DENSE medium SAND					
13	Wash					
14	VERY STIFF gray CLAY LOAM		2.7	17.0		
15	Wash					
16	HARD gray CLAY LOAM		4.3	19.0		
17						
18						
19						
20						

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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)



DESIGNED - BAS
CHECKED - KEF
DRAWN - SGM
CHECKED - RJA/KEF

SOIL BORINGS
STRUCTURE NO. 037-0175

SHEET NO. 23	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	638	129 BR-3	HENRY	73	40
24 SHEETS	CONTRACT NO. 64B08				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					