



Illinois Department of Transportation
Division of Highways
Geotech Engineering
Municipal Street 6380
(4th St.)

SOIL BORING LOG

Date 12/27/10

ROUTE 89-00027-00-BR DESCRIPTION 4th Street over Unnamed Creek LOGGED BY DP

SECTION 89-00027-00-BR LOCATION SEC. 21, TWP. 8S, RNG. 7E, 3rd PM

COUNTY Saline DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 083-6008
Station 9+03.00

BORING NO. AS
Station 9+33.72
Offset 38.2 ft LT
Ground Surface Elev. 384.85 ft

DEPTH (ft)	BLOW COUNT (SPT)	UNIFORMITY COEFFICIENT (Cu)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BLOW COUNT (SPT)	UNIFORMITY COEFFICIENT (Cu)	MOISTURE (%)	ELEVATION (ft)	
									Top	Bottom
0				Dark brown TOPSOIL	3	12			384.85	381.85
2	3	B	19	Hard, Brown to Gray, Moist, SILTY CLAY LOAM	12	22			383.35	380.35
3	3	B			382.35	379.35				
2	2	1.0	28	Hard to Very Hard, Gray to Dark Gray, CLAY SHALE	14	26			382.35	378.35
1	1	B			382.35	377.35				
1	1	0.2	29	STIFF, Black, Friable, COAL	2	36			382.35	376.35
2	2	B			382.35	375.35				
3	3	1.3	27	Borehole continued with rock coring.	20	50			382.35	375.35
5	5	B			382.35	373.35				
3	3	2.2	22	STIFF, Black, Friable, COAL	12	42			382.35	373.35
5	5	B			382.35	371.35				
4	4	3.5	22	Very Stiff, Moist, Brown, SILTY CLAY LOAM with Sandstone Fragments	50	50			382.35	371.35
6	6	B			382.35	369.35				
3	3	2.7	22		35	35			382.35	369.35
4	4	B			382.35	367.35				
8	8	3.6	20		35	35			382.35	367.35
16	16	B			382.35	365.35				
4	4				35	35			382.35	365.35
20	20				35	35			382.35	363.35

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, form 137 (Rev. 8-99)



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ROCK CORE LOG

Date 12/27/10

ROUTE 89-00027-00-BR DESCRIPTION 4th Street over Unnamed Creek LOGGED BY DP

SECTION 89-00027-00-BR LOCATION SEC. 21, TWP. 8S, RNG. 7E, 3rd PM

COUNTY Saline CORING METHOD Rotary, Surf Set Diamond Bit

STRUCT. NO. 083-6008
Station 9+03.00

BORING NO. AS
Station 9+33.72
Offset 38.2 ft LT
Ground Surface Elev. 384.85 ft

DEPTH (ft)	CORING METHOD	CORING BARREL TYPE & SIZE	CORING RATE (ft/min)	RECOVERY (%)	CORE QUALITY	CORE LENGTH (ft)	STRENGTH (tsf)	ELEVATION (ft)	
								Top	Bottom
0		NX-2, conv. dbi, bbl, solid in.						384.85	381.85
0.1								383.35	380.35
0.1								382.35	379.35
0.1								382.35	378.35
0.1								382.35	377.35
0.1								382.35	376.35
0.1								382.35	375.35
0.1								382.35	374.35
0.1								382.35	373.35
0.1								382.35	372.35
0.1								382.35	371.35
0.1								382.35	370.35
0.1								382.35	369.35
0.1								382.35	368.35
0.1								382.35	367.35
0.1								382.35	366.35
0.1								382.35	365.35
0.1								382.35	364.85
0.1								382.35	364.85

Color pictures of the cores No
Cores will be stored for examination until
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)
BBS, form 138 (Rev. 8-99)

(Sheet 2 of 2)



USER NAME =	DESIGNED - RPW	REVISED
FILE NAME =	CHECKED - LMS	REVISED
PLOT SCALE =	DRAWN - AJF	REVISED
PLOT DATE =	CHECKED - LMS	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 083-6008
SHEET NO. 17 OF 17 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(29,30)R-1	SALINE	745	465
CONTRACT NO. 78077				