



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

081-7003 Proposed MSE Wall @ John Deere Road, along south side of 38th Avenue, 400' W. of 35th Street
Date 9/28/12

ROUTE FAP 595 DESCRIPTION LOGGED BY W. Garza

SECTION (142-1)R-1 & 142-1HB LOCATION SEC. TWP. RNG.

COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. 081-7003
Station 528+00
BORING NO. B-12
Station 527+98
Offset 26.00ft Rt CL
Ground Surface Elev. 569.7 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft
Groundwater Elev.:
First Encounter 555.2 ft
Upon Completion 555.2 ft
After _____ Hrs.

SOIL DESCRIPTION	DEPTH (ft)	BULGE (ft)	SHEAR (tsf)	Penetration (in)
STIFF tan LOAM	0 - 8		1.0	9
STIFF tan/brown SANDY LOAM	8 - 16	8	2.0	7
MEDIUM gray SILTY LOAM	16 - 23	3	0.6	23
SOFT light gray SILTY LOAM	23 - 31	1	0.3	31
MEDIUM light gray SILTY LOAM	31 - 39	1	0.5	26
VERY SOFT light gray SILTY LOAM with 9% ORGANICS	39 - 59	0	0.2	59
top 1" medium SAND	59 - 61	5		
VERY DENSE gray weathered SHALE	61 - 64.5	15		
End of Boring	64.5			

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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COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. 081-7003
Station 529+00
BORING NO. B-13
Station 529+20
Offset 17.00ft Lt CL
Ground Surface Elev. 565.9 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft
Groundwater Elev.:
First Encounter 558.9 ft
Upon Completion 558.9 ft
After _____ Hrs.

SOIL DESCRIPTION	DEPTH (ft)	BULGE (ft)	SHEAR (tsf)	Penetration (in)
SOFT gray SILTY CLAY LOAM	0 - 2		0.3	26
SOFT gray SILTY LOAM	2 - 3	1	0.4	35
MEDIUM gray clean medium coarse SAND	3 - 6	2		
VERY DENSE light gray weathered SHALE	6 - 8	2		
End of Boring	8			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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SECTION (142-1)R-1 & 142-1HB LOCATION SEC. TWP. RNG.

COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. 081-7003
Station 529+00
BORING NO. B-14
Station 529+06
Offset 21.00ft Rt CL
Ground Surface Elev. 565.0 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft
Groundwater Elev.:
First Encounter 558.0 ft
Upon Completion 558.0 ft
After _____ Hrs.

SOIL DESCRIPTION	DEPTH (ft)	BULGE (ft)	SHEAR (tsf)	Penetration (in)
MEDIUM brown SILTY CLAY LOAM	0 - 1		0.5	24
MEDIUM gray SILTY CLAY LOAM	1 - 2	1	0.6	24
SOFT light gray SILTY LOAM	2 - 3	1	0.3	39
LOOSE gray clean medium coarse SAND	3 - 4	2		
VERY DENSE gray weathered SHALE	4 - 100/7			
End of Boring	100/7			

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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USER NAME = mteng	DESIGNED - SMY	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - BWS	REVISED -
PLOT DATE = 3/11/2013	DRAWN - SRG	REVISED -
	CHECKED - BWS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS 2
STRUCTURE NO. 081-7003

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	(142-1)R-1 and 142-1HB	ROCK ISLAND	507	361
				CONTRACT NO. 64884

SHEET NO. SB-19 OF SB-21 SHEETS

ILLINOIS FED. AID PROJECT