Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

081-7002 Proposed MSE Wall @ John Deere Road, along south side of 38th Avenue, 400' W. of 35th Street

Date 9/19/12

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. 081-7002
Station 521+00

BORING NO. B-1
Station 521+00
Offset 23.00ft Lt CL
Ground Surface Elev. 581.4 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter None ft
Upon Completion Dry ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
DRY light brown LOAM					
	579.40				
HARD light brown SILTY CLAY LOAM			8 8 10	4.5 P	12
	577.90				
HARD light gray SILTY LOAM		-5	7 9 10	5.5 S	14
	575.40				
HARD light brown SILTY CLAY LOAM			5 6 8	4.6 S	16
	572.90				
VERY STIFF light brown SILTY CLAY LOAM		-10	4 7 9	3.5 B	19
	570.40				
STIFF light brown LOAM			4 4 6	1.6 B	20
	567.90				
End of Boring					
		-15			
		-20			

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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081-7002 Proposed MSE Wall @ John Deere Road, along south side of 38th Avenue, 400' W. of 35th Street

Date 9/20/12

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. 081-7002
Station 521+00

BORING NO. B-2
Station 521+00
Offset 19.00ft Rt CL
Ground Surface Elev. 580.3 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter None ft
Upon Completion Dry ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
DRY brown SILTY CLAY LOAM					
	578.30				
DRY brown SILTY LOAM			4 6 7	0.9 P	12
	576.80				
VERY STIFF brown SILTY CLAY LOAM		-5	4 6 7	3.9 S	15
	574.30				
STIFF brown SILTY CLAY LOAM			5 6 7	1.8 B	21
	571.80				
VERY STIFF brown SILTY CLAY LOAM		-10	3 5 8	2.5 B	21
	569.30				
STIFF light brown SILTY CLAY LOAM			5 8 9	1.9 B	19
	566.80				
End of Boring					
		-15			
		-20			

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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Date 9/20/12

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. 081-7002
Station 522+00

BORING NO. B-3
Station 522+00
Offset 22.00ft Lt CL
Ground Surface Elev. 572.2 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 557.7 ft ▼
Upon Completion 557.7 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
DRY black SILTY CLAY LOAM					23
	570.20				
VERY STIFF dark gray SILTY LOAM			5 5 6	3.5 P	15
	568.70				
HARD dark gray SILTY LOAM		-5	4 5 5	4.4 S	17
	566.20				
MEDIUM light gray LOAM			1 3 3	0.7 B	25
	563.70				
SOFT light gray LOAM		-10	1 1 2	0.3 B	31
	560.70				
VERY STIFF black/dark gray SHALE			20 37 19	3.3 S	20
	558.70				
VERY DENSE gray SHALE with COAL lens		-15	100/8" PEN		
	556.20				
End of Boring					
		-20			

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 - APD	REVISED -	
	CHECKED - BWS	REVISED -	
PLOT SCALE = 0:2 ':' / in.	DRAWN - RD	REVISED -	
PLOT DATE = 3/11/2013	CHECKED - BWS	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS 1
STRUCTURE NO. 081-7002

SHEET NO. SA-14 OF SA-16 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	(142-1)R-1 AND 142-1HB	ROCK ISLAND	507	340
		CONTRACT NO. 64B84		
		ILLINOIS FED. AID PROJECT		