



Illinois Department of Transportation  
Division of Highways  
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 6/27/13

ROUTE FAP 595 DESCRIPTION 081-P002 Retaining Wall, 38th Street LOGGED BY W. Garza  
SECTION (142-1) & 142-1HB LOCATION . SEC. , TWP. , RNG.  
COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.	STATION	DEPTH (ft)	UCS (tsf)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	UCS (tsf)	MOISTURE (%)
081-P002	18+89 to 27+37				Surface Water Elev. _____ ft			
					Stream Bed Elev. _____ ft			
B-2	23+00				Groundwater Elev.: First Encounter 575.6 ft			
					Upon Completion 575.6 ft			
					After _____ Hrs. _____ ft			
					Ground Surface Elev. 595.6 ft			
					SOFT light brown moist CLAY LOAM (continued)			
		593.60	1.0 P	17		574.10	0.3 P	24
					STIFF light gray CLAY LOAM			
						572.10	1.1 P	19
					MEDIUM brown SILTY CLAY LOAM			
		589.60	0.5 P	18	Shale @ 26'	569.60		
					VERY STIFF gray SHALE			
							2.5 P	25
					SOFT light brown SILTY CLAY LOAM			
		584.60	0.3 P	21	End of Boring	565.60		
					SOFT light brown SILTY CLAY LOAM			
		579.60	0.3 P	23				

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-P002	18+89 to 27+37				Surface Water Elev. _____ ft			
					Stream Bed Elev. _____ ft			
B-3	24+00				Groundwater Elev.: First Encounter 578.5 ft			
					Upon Completion _____ ft			
					After _____ Hrs. _____ ft			
					Ground Surface Elev. 590.5 ft			
					STIFF light gray CLAY LOAM			
		588.50	1.1 P	21	VERY DENSE gray SHALE (continued)	569.50		
					End of Boring			
					STIFF light gray CLAY LOAM			
		587.00	1.8 S	19				
					MEDIUM tan LOAM			
		584.50	0.8 P	25				
					MEDIUM tan CLAY LOAM			
		582.00	0.6 P	32				
					VERY STIFF tan/gray CLAY LOAM with COAL lens			
		579.00	2.3 S	21				
					HARD gray SHALE			
		577.00	4.6 S	19				
					HARD light gray SHALE			
		574.50	4.6 S	22				
		572.00						
					VERY DENSE gray SHALE			

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081-P002	18+89 to 27+37				Surface Water Elev. _____ ft			
					Stream Bed Elev. _____ ft			
B-4	27+50				Groundwater Elev.: First Encounter None ft			
					Upon Completion Dry ft			
					After _____ Hrs. _____ ft			
					Ground Surface Elev. 592.8 ft			
					Shoulder			
		590.80	0.6 P	21	MEDIUM tan/light gray CLAY LOAM			
		588.80						
					HARD light gray SHALE			
		586.80	5.0 S	19				
					HARD gray SHALE			
		584.30	5.1 S	15				
					VERY DENSE light gray SHALE			
		581.80	52					
		580.30	100/6		VERY DENSE light gray SHALE			
					End of Boring			

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(Sheet 4 of 4)

	USER NAME =	DESIGNED - TBP	REVISED ADDENDUM 1 8/15/2013	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORINGS RETAINING WALL - STA. 18 + 89.06 TO STA. 27 + 37.02	F.A.P. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FILE NAME =	CHECKED - VPT	REVISED			595	(142-1)R & 142-1HB	ROCK ISLAND	507	363V
	PLOT SCALE =	DRAWN - AJF	REVISED					CONTRACT NO. 64B84		
	PLOT DATE =	CHECKED - MTH	REVISED		SD-18 OF SD-18			ILLINOIS FED. AID PROJECT		