

**Illinois Department of Transportation** SOIL BORING LOG Page 1 of 2  
 Division of Highways Date 4/21/12

ROUTE FAP 785 DESCRIPTION IL 140 over Unnamed Creek (Culvert Boring) LOGGED BY KEG (CRG)  
 SECTION 136-BR LOCATION Alhambra, IL  
 COUNTY Madison DRILLING METHOD HSA HAMMER TYPE Automatic

STRUCT. NO. 060-0103  
 Station \_\_\_\_\_  
 BORING NO. B-1  
 Station 1143+29  
 Offset 13.50ft RT  
 Ground Surface Elev. 538.5 ft

DEPTH (ft)	BULGE (6")	UCS (tsf)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BULGE (6")	UCS (tsf)	MOISTURE (%)
1				CRUSHED ROACK (Fill)				
3				Brown SILTY CLAY (Fill)	2			
3	2.0		19		4	2.2		23
4	P				6	B		
				515.50				
2				Brown and Dark Brown SILTY CLAY /Limestone Fragments	3			
505"	1.5		18	Greenish-gray and Brown CLAY trace sand, pebbles, and silt, stiff (Glacial Till)	6	2.7		19
-5	P				8	B		
				513.00				
2				Gray SILTY, with trace organics, moist, medium	3			
2	1.6		20	Dark Brown CLAY, trace pebbles and silty clay, very stiff (Glacial Till)	4	2.6		20
3	P				7	B		
				530.00				
2				Gray and Reddish-Brown CLAY, trace sand and iron stains, moist, medium	10			
2	1.2		23		19	>4.0		13
3	P				24	P		
				-30				
				WOH				
2	0.6		26	Dark Brown CLAY, trace pebbles and silt, very stiff (Glacial Till)				
2	B							
				525.00				
1				Brown and gray SILTY CLAY, with sand, moist, soft	6			
1	0.2		22		11	3.2		14
1	P				17	B		
				-35				
				522.00				
2				Gray CLAY, with trace brown clay and sand, trace pebbles and silt, medium/stiff (Glacial Till)				
3	1.8		20	Dark Gray CLAY, trace silt, with pebbles, very stiff (Glacial Till)				
4	B							
				520.00				
2				Gray and Reddish-Brown CLAY, with trace pebbles and silty clay, stiff (Glacial Till)	10			
3	1.7		25		17	>4.0		12
5	B				18	P		
				-40				

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. 11-11)

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 Division of Highways Date 4/21/12

ROUTE FAP 785 DESCRIPTION IL 140 over Unnamed Creek (Culvert Boring) LOGGED BY KEG (CRG)  
 SECTION 136-BR LOCATION Alhambra, IL  
 COUNTY Madison DRILLING METHOD HSA HAMMER TYPE Automatic

STRUCT. NO. 060-0103  
 Station \_\_\_\_\_  
 BORING NO. B-1  
 Station 1143+29  
 Offset 13.50ft RT  
 Ground Surface Elev. 538.5 ft

DEPTH (ft)	BULGE (6")	UCS (tsf)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BULGE (6")	UCS (tsf)	MOISTURE (%)
				Dark Gray CLAY, trace silt, with pebbles, very stiff (Glacial Till) (continued)				
				496.75				
				Gray CLAY, with trace silt and pebbles, stiff (Glacial Till)				
				3				
				6	2.4		22	
				-45				
				491.75				
				Gray and Reddish-Brown CLAY, trace pebbles and silt, stiff (Glacial Till)				
				5				
				6	2.5		22	
				-50				
				488.50				
				-50				

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**Illinois Department of Transportation** SOIL BORING LOG Page 1 of 1  
 Division of Highways Date 4/8/96

ROUTE FAP 785 DESCRIPTION IL 140 Retaining Wall In Alhambra at Unnamed Creek LOGGED BY Larry Ford  
 SECTION 136I LOCATION SW 14, SW 14, SEC. 11, TWP. 5N, RNG. 6W, 3 PM  
 COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. \_\_\_\_\_  
 Station \_\_\_\_\_  
 BORING NO. 2  
 Station 1143+83.37  
 Offset 12.50ft Left  
 Ground Surface Elev. 536.42 ft

DEPTH (ft)	BULGE (6")	UCS (tsf)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BULGE (6")	UCS (tsf)	MOISTURE (%)
				Black SILT LOAM				
				2				
				1	0.55		26	
				1	S10			
				-5				
				1	0.73		24	
				1	S10			
				-529.9				
				Gray and Brown LOAM				
				1				
				1	0.51		20	
				1	S10			
				-10				
				1	0.62		30	
				1	S10			
				-505.9				
				Brown Sand LOAM				
				36	S15		13	
				-504.9				
				Gray Clay LOAM				
				5				
				13	3.81		15	
				20	S15			
				-523.4				
				Gray Sandy LOAM				
				1	NC			
				2				
				3	NC			
				-517.4				
				1				
				1	NC			
				-517.4				
				Brown SAND				
				See Gradation @ 20 ft (6.0 m)				
				-20				
				5				
				-40				

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)