



Illinois Department of Transportation
Division of Highways
ILLINOIS DOT

SOIL BORING LOG

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Date 5/4/11

ROUTE I-80 DESCRIPTION I-80 East Bound, MP 72.48, Station 437+50 LOGGED BY Larry Myers

SECTION D3 OVD Message SG-2012 LOCATION NW 1/4, SEC. 24, TWP. 16N, RNG. 11E, Latitude, Longitude

COUNTY Bureau DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 3S0061080R072.5
Station 437+50
BORING NO. 1
Station 437+50
Offset 17.0 ft Rt.
Ground Surface Elev. 653.80 ft (ft) (/6") (tsf) (%)

Soil Description	Depth (ft)	Blow Count (N)	UCS (tsf)	Failure Mode	Soil Description	Depth (ft)	Blow Count (N)	UCS (tsf)	Failure Mode
Augered White Shoulder Stone, Black & Brown Silty Clay Fill	6	18	7.1	10	Hard Purplish Gray Silty Clay Loam Till with Minor Layers of Silt & Sand/Gravel	6	18	7.1	10
	24	45	S			24	45	S	
	651.30					651.30			
Hard Black & Brown Silty Clay Fill	6	22	10.4	8		6	22	10.4	8
	7	4.5	P			7	4.5	P	
	8	8				8	8		
	648.80					648.80			
Very Stiff Gray & Brown Silty Clay Loess	4	35	11.5	8		4	35	11.5	8
	4	3.1	B			4	3.1	B	
	4	4				4	4		
	646.80					646.80			
Very Stiff Brown Silty Loam Till with Loamy Gravel Layer at 16.5' - 17'	3	30	11.5	9		3	30	11.5	9
	4	3.6	S			4	3.6	S	
	5	5				5	5		
	646.80					646.80			
	3	15				3	15		
	4	3.1	S			4	3.1	S	
	5	5				5	5		
	641.30					641.30			
	3	12				3	12		
	4	2.5	S			4	2.5	S	
	6	6				6	6		
	641.30					641.30			
	5	9	10.4	10		5	9	10.4	10
	11	11	S			11	11	S	
	636.80					636.80			
Stiff to Very Stiff Purple Gray Silty Clay Loam Till	5	28	10.4	10		5	28	10.4	10
	3	2.5	P			3	2.5	P	
	3	3				3	3		
	634.30					634.30			
	3	3				3	3		
	634.30					634.30			

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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Date 5/4/11

ROUTE I-80 DESCRIPTION I-80 East Bound, MP 72.48, Station 437+50 LOGGED BY Larry Myers

SECTION D3 OVD Message SG-2012 LOCATION NW 1/4, SEC. 24, TWP. 16N, RNG. 11E

COUNTY Bureau DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 3S0061080R072.5
Station 437+50
BORING NO. 2
Station 437+50
Offset 102.00ft Rt.
Ground Surface Elev. 653.30 ft (ft) (/6") (tsf) (%)

Soil Description	Depth (ft)	Blow Count (N)	UCS (tsf)	Failure Mode	Soil Description	Depth (ft)	Blow Count (N)	UCS (tsf)	Failure Mode
Augered White Shoulder Stone, Brown Silty Clay Fill	11	17	8.4	9.2	Hard Purplish Gray Silty Clay Loam Till with Minor Layers of Sand & Gravel & Silt	11	17	8.4	9.2
	27	27	S			27	27	S	
	650.80					650.80			
Very Stiff Brown Silty Clay Fill	2	4	3.0	26.5		2	4	3.0	26.5
	4	4	P			4	4	P	
	648.30					648.30			
Very Stiff Brown Silty Loam Till	3	4	3.1	12.3		3	4	3.1	12.3
	4	5	S			4	5	S	
	648.30					648.30			
	2	19				2	19		
	4	4	2.7	15.7		4	4	2.7	15.7
	4	4	S			4	4	S	
	641.30					641.30			
	3	21				3	21		
	4	3.1	S			4	3.1	S	
	5	5				5	5		
	641.30					641.30			
Hard Brown to Gray Silty Clay Loam Till with Loamy Gravel Layer @ 16'	4	8	5.0	12.9		4	8	5.0	12.9
	8	8	S			8	8	S	
	641.30					641.30			
	9	22				9	22		
	15	15	4.4	8.2		15	15	4.4	8.2
	21	21	S			21	21	S	
	636.30					636.30			
	8	38	11.5	10.6		8	38	11.5	10.6
	5	5	S			5	5	S	
	5	5	P			5	5	P	
	633.80					633.80			
	8	22				8	22		
	5	5				5	5		
	633.80					633.80			

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)

SOIL BORING LOG I-80 EB, MP 72.48, STATION 437 + 50

FILE NAME: \\pww\work\project\pww\43750\250212\0366	USER NAME: jpatel	DESIGNED: -	REVISED: -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS	F.A.I. RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN: -	REVISED: -			VAR	D3 OVD MESSAGE SG - 2012	VAR	50	25
		CHECKED: -	REVISED: -			SCALE:				CONTRACT NO. 6b2c3
		DATE: -	REVISED: -			SHEET NO. 1 OF 1 SHEETS	STA. _____ TO STA. _____	ILLINOIS		