

SOIL BORINGS SN 6C084I055L099.6



SOIL BORING LOG

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Date 10-19-2010

ROUTE FAI 55 DESCRIPTION Overhead Sign Structure LOGGED BY BJS
 SECTION D8 Overhead Sign Repl LOCATION SB I-55 Exit 100A (IL 54)
 COUNTY Sangamon STRUCTURE NO. 6C084I055L099.6 (Exist) (Prop.)
 BORING NO. 6C084I055L099.6 DRILLING METHOD HSA HAMMER TYPE 140 lb Automatic

SOIL DESCRIPTION	(ft.)	(ft.)	/ft ³	(tsf)	(%)	SOIL DESCRIPTION	(ft.)	(ft.)	/ft ³	(tsf)	(%)	Surface Water Elev. <u>n/a</u> (ft.)			
												Groundwater Elev.	First Encounter	Upon Completion	
Gravel (3")							14								
Fill: Brown, Moist, Silty Clay, with Sand and Gravel						Fill: Gray mottled Brown, Seams of Clay, Silty, Silty Clay and Silty Clay Loam, with Traces of Wood		3							
	2						5	3.12		23.5					
							16	7							
Fill: Yellow Brown mottled Light Gray and Brown, Trace Sand		4	1			Fill: Gray mottled Black, Seams of Silty Clay and Silty Clay Loam, with Topsoil and Traces Corn Stalk		2							
		3	1.29		22.1		18	6	2.25	21.2					
		3					6								
Fill: Brown mottled Gray and Yellow Brown, Trace Sand and Gravel		1													
	6	2	2.00		25.1	Black Topsoil over Greenish Brown mottled Yellow Brown, Moist, Clay, Silty.		20	2						
		4					4	2.50		30.2					
		2					6								
Fill: Yellow Brown mottled Brown mottled Light Gray, Moist, Clay, Silty, with Silty Clay Seam, Trace Sand		8	4	2.5	17.7		22								
		3													
		2													
Fill: Gray mottled Light Gray, with Silty Clay Seams, with Wood and Organics		10	2			Light Gray mottled Yellow Brown, Moist, Silty Clay, with Seams of Silty Clay Loam		2	1.29	25.5					
		6	2.01		21.5		3								
		7					24								
		2				Yellow Brown, Wet, Silty, Clayey		2							
		2					4	1.0		25.2					
Fill: Gray mottled Brown and Yellow Brown, with Trace Wood and Silty Clay Seam		3	1.71		23.2		26	3							
		5													

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer).
 The Standard Penetration Test (SPT) N Value is per (AASHTO T206)

BBS 137 (8/05)



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SOIL DESCRIPTION	(ft.)	(ft.)	/ft ³	(tsf)	(%)	SOIL DESCRIPTION	(ft.)	(ft.)	/ft ³	(tsf)	(%)	Surface Water Elev. <u>n/a</u> (ft.)			
												Groundwater Elev.	First Encounter	Upon Completion	
Light Gray mottled Yellow Brown, Moist, Silty Loam Grading to Silty Clay Loam		28	2	1.25	28.0		11								
		3					42								
						Gray mottled Black, Moist over Dry, Silty Loam, with Sand Seams and Coal Seam over Clayey Seam, Sandy		6							
							11				24.2				
Light Brown mottled Yellow Brown, Wet, Silty Loam over Silty Clay, with Sand, 8" Very Soft Seam		30	1				45								
		1	0.44		23.3		44								
		1					58								
						Gray, Moist to Dry, Shaly, with Very Thin Sandy Seams		100/5			15.1				
		32					46								
Yellow Brown mottled Light Brown, Wet, Silty Clay Loam, with Sand and Seams of Silty Loam, Sandy		1	0.86		23.7	End of Boring @ 45.6 Ft.		48							
		1					48								
Yellow Brown mottled Light Gray, Moist to Wet, Clay Loam and Silty Clay Loam, with Nodules of Silt, Sandy Seams		36	3	1.09	25.4		50								
		34					52								
		1													
Yellow Brown mottled Light Gray, Wet, Clay, Sandy and Silty, Seams of Clay Loam, Trace Gravel		38	1	0.54	25.4										
		2													
		40	13												
Yellow Brown, Wet, Fine Sand, Silty, Trace Gravel		20													

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer).
 The Standard Penetration Test (SPT) N Value is per (AASHTO T206)

BBS 137 (8/05)

FILE NAME =	USER NAME = kellyjb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SA\Sign Truss Plan Details\46196\46196Sign	Repl.dgn	DRAWN -	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	VAR	D:6_OVDSTNSIBBELL12-23	SANGAMON	33	30
PLOT SCALE = 0.1000 ft / in.	CHECKED -	REVISED -	REVISED -		CONTRACT NO. 46196							
PLOT DATE = Sep-30-2011 10:39:48AM	DATE -	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT							