



Illinois Department of Transportation  
Division of Highways  
Illinois Department of Transportation

### SOIL BORING LOG

Page 1 of 1

Date 3/15/10

ROUTE I-57/70 DESCRIPTION Overhead Sign Truss locations LOGGED BY E. Sandschafer

SECTION Various LOCATION SE 1/4, SEC. 18, TWP. 8 N, RNG. 6 E, 3 PM

COUNTY Effingham DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. 7S0251057L160.7 Station 2219+50	BORING NO. 9A (DL) Station 2219+50 Offset 62.00ft Lt Ground Surface Elev. 602.97 ft	DEPTH (ft)	BLOW (blows/ft)	UNSAT. QUANTITY (%)	MATERIAL	SURFACE WATER ELEV. (ft)	STREAM BED ELEV. (ft)	GROUNDWATER ELEV. (ft)	FIRST ENCOUNTER (ft)	UPON COMPLETION (ft)	AFTER 24 HRS. (ft)	DEPTH (ft)	BLOW (blows/ft)	UNSAT. QUANTITY (%)	MATERIAL
					10" asphalt shoulder on 11" crushed stone subbase.							22	4.9		9
					Gray, CLAY.							29	S		
					Skipped this trip.							11			
												24	5.3		7
												35	S		
					Soft, very damp, gray, SILTY CLAY.							19			
												31	6.8		8
												41	S		
					Extent of exploration.							576.97			
					Medium, damp, gray marbled red, CLAY w/ trace Silt.										
					Stiff, damp, brown marbled gray, CLAY LOAM.										
					Soft, very damp, gray mottled red, SILTY LOAM.										
					Hard, damp, gray, CLAY LOAM TILL.										

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)



Illinois Department of Transportation  
Division of Highways  
Illinois Department of Transportation

### SOIL BORING LOG

Page 1 of 1

Date 3/15/10

ROUTE I-57/70 DESCRIPTION Overhead Sign Truss locations LOGGED BY E. Sandschafer

SECTION Various LOCATION SE 1/4, SEC. 18, TWP. 8 N, RNG. 6 E, 3 PM

COUNTY Effingham DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. 7S0251057L160.7 Station 2219+50	BORING NO. 9B (PL) Station 2219+50 Offset 34.00ft Lt Ground Surface Elev. 602.78 ft	DEPTH (ft)	BLOW (blows/ft)	UNSAT. QUANTITY (%)	MATERIAL	SURFACE WATER ELEV. (ft)	STREAM BED ELEV. (ft)	GROUNDWATER ELEV. (ft)	FIRST ENCOUNTER (ft)	UPON COMPLETION (ft)	AFTER 24 HRS. (ft)	DEPTH (ft)	BLOW (blows/ft)	UNSAT. QUANTITY (%)	MATERIAL
					6 1/4" asphalt on 10" concrete pavement on 6" gravel subbase.							22	5.9		9
					Very stiff, damp, gray, CLAY.							29	S		
												11			
												35	3.4		7
												50	S		
					Very stiff, damp, gray, SANDY LOAM TILL.										
					Hard, damp, gray, SANDY CLAY TILL.										
					Very stiff, damp, gray, SILTY CLAY.										
					Hard, damp, gray, SANDY CLAY TILL.										
					Extent of exploration.										
					Stiff, damp, gray mottled red, CLAY w/ trace Silt.										
					Medium to stiff, damp, gray marbled red, CLAY.										
					Stiff, damp, brown marbled gray, CLAY LOAM.										
					Soft, very damp, red, SILTY LOAM w/ Sand.										
					Red, wet, SANDY LOAM.										
					Hard, damp, gray, CLAY LOAM TILL.										

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)

FILE NAME =	USER NAME = bsebel	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SOIL BORING LOGS FOR SIGN TRUSS FOUNDATIONS</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
SVProjects\403-00072-57-70\dgn\ML_Keller\Boring log.dgn		DRAWN -	REVISED -			57/70	(25-3,4)R	EFFINGHAM	1098	296	
PLOT SCALE = 0.1667 ' / IN.		CHECKED -	REVISED -			<b>CONTRACT NO. 74299</b>					
PLOT DATE = 3/18/2011		DATE -	REVISED -			SCALE:	SHEET NO. 5 OF 7 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	