



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

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Date 3/15/10

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

SECTION Various LOCATION S 1/2, SEC. 19, TWP. 8 N, RNG. 6 E, 3 PM

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

STRUCT. NO. 7S0251057L159.6 Station 2161+20	BORING NO. 11A (DL) Station 2161+20 Offset 59.40ft Lt Ground Surface Elev. 570.40 ft	DEPTH H S	BULGE LCS	SHEAR US	PENETROMETER M O I S T Qu T	DESCRIPTION	DEPTH H S	BULGE LCS	SHEAR US	PENETROMETER M O I S T Qu T
						Surface Water Elev. N/A ft Stream Bed Elev. N/A ft				
						Groundwater Elev.: First Encounter Dry ft Upon Completion Dry ft After 24 Hrs. Dry ft				
						10" asphalt shoulder on 13" crushed stone subbase.				
						Gray, CLAY.				
						Skipped this trip.				
						Stiff, damp, brown, CLAY LOAM TILL, embankment.				
						Very dense, very moist, gray, SILTY CLAY LOAM SHALE. Sample broken, unable to test for Qu.				
						Very dense, moist, gray, SANDY CLAY SHALE. Sample pokerchipped and powdered, unable to test for Qu. Extent of exploration.				
						Stiff, damp, gray mottled brown, CLAY LOAM.				
						Very stiff, damp, red to brown, CLAY LOAM TILL.				
						Very stiff, very moist, brown marbled red, SANDY 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)



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Date 3/15/10

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

SECTION Various LOCATION SW 1/4, SEC. 19, TWP. 8 N, RNG. 6 E, 3 PM

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

STRUCT. NO. 7S0251057L159.6 Station 2161+20	BORING NO. 11B (PL) Station 2161+20 Offset 36.00ft Lt Ground Surface Elev. 570.53 ft	DEPTH H S	BULGE LCS	SHEAR US	PENETROMETER M O I S T Qu T	DESCRIPTION	DEPTH H S	BULGE LCS	SHEAR US	PENETROMETER M O I S T Qu T
						Surface Water Elev. N/A ft Stream Bed Elev. N/A ft				
						Groundwater Elev.: First Encounter Dry ft Upon Completion Dry ft After 24 Hrs. 551.5 ft				
						4 1/2" asphalt on 10" concrete pavement.				
						Brown, CLAY.				
						Medium to stiff, damp, red, SANDY CLAY TILL.				
						Very dense, moist, brown, SANDY CLAY SHALE. Sample pokerchipped, unable to test for Qu. Extent of exploration.				
						Very stiff, damp, brown, SANDY CLAY LOAM.				
						Medium, damp, gray, SILTY LOAM w/ many roots.				
						Soft to medium, damp, gray, SANDY LOAM.				
						Stiff, damp, red, SANDY CLAY LOAM.				

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)