



Illinois Department of Transportation
Division of Highways
Geotechnology

SOIL BORING LOG

Page 1 of 1

Date 3/3/09

ROUTE FAP 998 DESCRIPTION Trilevel Interchange LOGGED BY LAH

SECTION 82-1 LOCATION East St. Louis, IL, SEC. 7, TWP. 2N, RNG. 9W

COUNTY St. Clair DRILLING METHOD HSA with MR HAMMER TYPE CME 75 / 80%

STRUCT. NO.	DEPT	BLOW	UCS	MOIST	Surface Water Elev.
082-W302					Unknown ft
Station 68+93.87					Stream Bed Elev. Unknown ft
BORING NO. RW-405					Groundwater Elev.:
Station 68+93.87					First Encounter Not Measured ft
Offset 15ft Right					Upon Completion Not Measured ft
Ground Surface Elev. 418.4 ft	(ft)	(/ft)	(tsf)	(%)	After Hrs. Not Measured ft
Topsoil - 3 inches 418.2 Black, SANDY LOAM, with cinders (FILL) 3 2 23 416.4 Very stiff, gray to brown, CLAY 2 2 2 3 2.8 26 413.6 Soft, brown, SANDY CLAY 2 2 11 2 2 2 1 28 407.9 Loose, brown, FINE GRAINED SAND, trace silt Grain size distribution conducted 1 2 24 4 3 2 17 5 2 3 12 4 3 3 10 398.4 -20					

End of Boring
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)
* Rimac attempted, not measured due to sample disturbance
** Not measured due to drilling methods used
BBS, from 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
Geotechnology

SOIL BORING LOG

Page 1 of 1

Date 2/6/09

ROUTE FAP 998 DESCRIPTION Trilevel Interchange LOGGED BY RFW

SECTION 82-1 LOCATION East St. Louis, IL, SEC. 7, TWP. 2N, RNG. 9W

COUNTY St. Clair DRILLING METHOD HSA with MR HAMMER TYPE CME 75 / 80%

STRUCT. NO.	DEPT	BLOW	UCS	MOIST	Surface Water Elev.
082-W302					Unknown ft
Station 64+85.7					Stream Bed Elev. Unknown ft
BORING NO. RW-406					Groundwater Elev.:
Station 64+85.7					First Encounter Not Measured ft
Offset 25ft Right					Upon Completion Not Measured ft
Ground Surface Elev. 410.6 ft	(ft)	(/ft)	(tsf)	(%)	After Hrs. Not Measured ft
Crushed limestone GRAVEL base (FILL) 410.2 Gray brown, CLAY, with silt, sand, cinders, and brick fragments (FILL) 9 10 9 1 2 0.9 18 3 2 2 1.4 24 4 402.5 Medium stiff, brown, SILT 2 2 0.7 14 1 10 400.0 Stiff, brown, SILTY CLAY 1 2 1.2 28 3 397.5 Stiff, brown, CLAY 1 2 1.8 27 2 15 1 2 1.5 34 2 1 2 1.6 33 390.5 -20					

End of Boring
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)
* Rimac attempted, not measured due to sample disturbance
** Not measured due to drilling methods used
BBS, from 137 (Rev. 8-99)

FILE NAME =	USER NAME = #USER#	DESIGNED - CMW	REVISED CMW 02-28-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RETAINING WALL 082-W302 BORING LOGS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN - TJW	REVISED -			70	82-1-B-1	ST. CLAIR	319	279	
		CHECKED - CMW	REVISED -			CONTRACT NO. 76C75					
		DATE - 12-20-2010	REVISED -			[ILLINOIS] FED. AID PROJECT					