



Illinois Department of Transportation
Division of Highways
Geotechnology, Inc.

SOIL BORING LOG

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Date 2/16/09

ROUTE FAP 998 DESCRIPTION Trilevel Interchange LOGGED BY BJS
SECTION 82-1 LOCATION East St. Louis, IL, SEC. 7, TWP. 2N, RNG. 9W
COUNTY St. Clair DRILLING METHOD HSA HAMMER TYPE CME 55 / 80%

STRUCT. NO. Station	BORING NO. Station Offset Ground Surface Elev.	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev.		Groundwater Elev.	
						Unknown	ft	Unknown	ft
082-W306 NA	SB-402 70+75.97 23ft Right 421.4	(ft)	(blows)	(tsf)	(%)	Unknown	ft	Unknown	ft
Brown, MEDIUM GRAINED SAND (FILL), with brick fragments									
		2							
		6							
		5							
		2							
		2							
		4							
416.4 Medium stiff, gray, SILTY CLAY LOAM									
		2							
		2			23				
		4							
413.4 Loose, brown, SANDY LOAM									
		2							
		2							
		5							
411.4 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 T208)
* Rimac attempted, not measured due to sample disturbance BBS, from 137 (Rev. 8-99)
** Not measured due to drilling methods used



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SOIL BORING LOG

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Date 2/9/09

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 HAMMER TYPE CME 75 / 80%

STRUCT. NO. Station	BORING NO. Station Offset Ground Surface Elev.	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev.		Groundwater Elev.	
						Unknown	ft	Unknown	ft
082-W306 NA	SB-403 89+59.91 35ft Right 417.7	(ft)	(blows)	(tsf)	(%)	Unknown	ft	Unknown	ft
TOPSOIL - 4 inches									
417.4 Crushed limestone GRAVEL base (FILL)									
			4						
416.2 Brownish gray, CLAY, with rubble (FILL)									
			5						
			5						
			1						
			2		27				
			2						
			2						
412.2 Medium stiff, brown, SANDY LOAM									
			3						
			4		27				
			3						
			2						
			4		18				
			4						
407.7 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 T208)
* Rimac attempted, not measured due to sample disturbance BBS, from 137 (Rev. 8-99)
** Not measured due to drilling methods used



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SOIL BORING LOG

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Date 2/5/09

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 HAMMER TYPE CME 75 / 80%

STRUCT. NO. Station	BORING NO. Station Offset Ground Surface Elev.	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev.		Groundwater Elev.	
						Unknown	ft	Unknown	ft
082-W306 NA	SB-404 65+89.38 22ft Right 414.9	(ft)	(blows)	(tsf)	(%)	Unknown	ft	Unknown	ft
Crushed limestone GRAVEL base (FILL)									
			2						
414.4 Brown, SAND, trace gravel (FILL)									
			3						
			2						
411.9 Loose, brown, SAND, trace gravel									
			2						
			4						
			3						
			2						
			2						
			3						
			4						
			2						
			2						
			3						
			4						
			2						
			3						
			4						
401.9 Soft, gray, CLAY LOAM									
			1						
			1		21				
			2						
			1						
398.4 Medium stiff, gray, SILTY CLAY LOAM									
			1		0.4	35			
			2						
			1						
			2		0.3	30			
			2						
394.9 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 T208)
* Rimac attempted, not measured due to sample disturbance BBS, from 137 (Rev. 8-99)
** Not measured due to drilling methods used

082-W306-76C75-Boring Logs Sheets 6-18.dgn



USER NAME = Scott Whitney	DESIGNED - PMM	REVISED -
PLOT SCALE = 20,000' / IN.	DRAWN - MJK	REVISED -
PLOT DATE = 3/9/2011	CHECKED - DAZ	REVISED -
	DATE - 3-18-2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RETAINING WALL 082-W306
BORING LOGS

SCALE: N.T.S. SHEET NO. 16 OF 18 SHEETS STA. 60+50.00 TO STA. 74+11.55

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-1-IHB	ST. CLAIR	319	269
CONTRACT NO. 76C75				
ILLINOIS FED. AID PROJECT				