



SOIL BORING LOG

Page 1 of 4

Date 11/2/00

ROUTE FAP 998 DESCRIPTION Trilevel Interchange LOGGED BY BEC
 SECTION 82-1 LOCATION East St. Louis, IL, SEC. 7, TWP. 2N, RNG. 9W
 COUNTY St. Clair DRILLING METHOD Hollow Stem Auger and Mud Rotary HAMMER TYPE Automatic Hammer

STRUCT. NO. Station	D E P T H	B L O W S	U C S	M O I S T	Surface Water Elev. Unknown ft Stream Bed Elev. Unknown ft	D E P T H	B L O W S	U C S	M O I S T	Groundwater Elev.: First Encounter ** ft Upon Completion ** ft After ** Hrs. ** ft
082-W306 NA B-18 62+26.75 21ft Right 420.0	1				399.5 Loose, brown, FINE GRAINED SAND with seams of brown/gray, mottled, silt. Started mud rotary drilling @ 20' (continued) Loose, brown, SANDY LOAM with Fe staining	1				399.5 Loose, brown, FINE GRAINED SAND with seams of brown/gray, mottled, silt. Started mud rotary drilling @ 20' (continued) Loose, brown, SANDY LOAM with Fe staining
	3	1.0	20							
	4	P								
	1									
416.0 Gravel/crushed limestone (FILL) 415.5 Very stiff, brown, SANDY CLAY 414.5	13	*	15		394.5 Interbedded, stiff, gray, SILT and medium dense, brown, FINE GRAINED SAND 392.0 Medium dense, brown, SANDY LOAM with laminations of gray, silt	3				394.5 Interbedded, stiff, gray, SILT and medium dense, brown, FINE GRAINED SAND 392.0 Medium dense, brown, SANDY LOAM with laminations of gray, silt
	10									
	4	2.5	30							
410.0 Loose, brown, SANDY LOAM 407.0 Soft, brown/gray, mottled, SILTY CLAY sandy in places with Fe staining @ 16'-19'	6	*	21		386.0 Medium dense, brown, FINE GRAINED SAND with laminations of black organic material and rare rounded quartz	3				386.0 Medium dense, brown, FINE GRAINED SAND with laminations of black organic material and rare rounded quartz
	3									
	3									
	1	1.0	23							
	3	S								
401.0	2	1.0			381.0 See Attached Gradation Test Results	2				381.0 See Attached Gradation Test Results
	2	P								
	1									

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
 ** Not measured due to drilling methods used
 BBS, from 137 (Rev. 8-99)



SOIL BORING LOG

Page 2 of 4

Date 11/2/00

ROUTE FAP 998 DESCRIPTION Trilevel Interchange LOGGED BY BEC
 SECTION 82-1 LOCATION East St. Louis, IL, SEC. 7, TWP. 2N, RNG. 9W
 COUNTY St. Clair DRILLING METHOD Hollow Stem Auger and Mud Rotary HAMMER TYPE Automatic Hammer

STRUCT. NO. Station	D E P T H	B L O W S	U C S	M O I S T	Surface Water Elev. Unknown ft Stream Bed Elev. Unknown ft	D E P T H	B L O W S	U C S	M O I S T	Groundwater Elev.: First Encounter ** ft Upon Completion ** ft After ** Hrs. ** ft
082-W306 NA B-18 62+26.75 21ft Right 420.0	8				378.0 Medium dense to dense, gray, FINE GRAINED SAND with layers of black organic material (continued) 353.0 Medium dense to very dense, gray, FINE GRAINED SAND 330.0 Medium dense, gray, MEDIUM GRAINED SAND with rounded quartz 306.0 GRAVEL, BOULDERS	8				378.0 Medium dense to dense, gray, FINE GRAINED SAND with layers of black organic material (continued) 353.0 Medium dense to very dense, gray, FINE GRAINED SAND 330.0 Medium dense, gray, MEDIUM GRAINED SAND with rounded quartz 306.0 GRAVEL, BOULDERS
	11									
	14									
	11									
	19									
	25									
	12									
	19									
	25									
	11									
	13									

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
 ** Not measured due to drilling methods used
 BBS, from 137 (Rev. 8-99)



SOIL BORING LOG

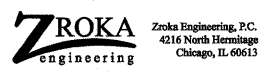
Page 3 of 4

Date 11/2/00

ROUTE FAP 998 DESCRIPTION Trilevel Interchange LOGGED BY BEC
 SECTION 82-1 LOCATION East St. Louis, IL, SEC. 7, TWP. 2N, RNG. 9W
 COUNTY St. Clair DRILLING METHOD Hollow Stem Auger and Mud Rotary HAMMER TYPE Automatic Hammer

STRUCT. NO. Station	D E P T H	B L O W S	U C S	M O I S T	Surface Water Elev. Unknown ft Stream Bed Elev. Unknown ft	D E P T H	B L O W S	U C S	M O I S T	Groundwater Elev.: First Encounter ** ft Upon Completion ** ft After ** Hrs. ** ft
082-W306 NA B-18 62+26.75 21ft Right 420.0	16				300.0 Medium dense, gray, MEDIUM GRAINED SAND with rounded quartz 306.0 GRAVEL, BOULDERS	16				300.0 Medium dense, gray, MEDIUM GRAINED SAND with rounded quartz 306.0 GRAVEL, BOULDERS
	33									
	35									
	11									
	14									
	15									
	14									
	15									
	22									
	41									
	53									

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
 ** Not measured due to drilling methods used
 BBS, from 137 (Rev. 8-99)



USER NAME = Scott Whitney	DESIGNED - PMM	REVISED -
PLOT SCALE = 20,0000' / 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. 6 OF 18 SHEETS	STA. 60+50.00 TO STA. 74+11.55	F.A.I. RTE. 70	SECTION 82-1-1HB	COUNTY ST. CLAIR	TOTAL SHEETS 319	SHEET NO. 259
						CONTRACT NO. 76C75	
ILLINOIS FED. AID PROJECT							

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