Illinois Department of Transportation
Division of Highways
Geotechnology, Inc

SOIL BORING LOG

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. 082-0378
Station NA

BORING NO. B-18
Station 16+43.34
Offset 57.65ft Right
Ground Surface Elev. 420.00 ft

Surface Water Elev. Unknown ft
Stream Bed Elev. Unknown ft

Groundwater Elev.:
First Encounter ** ft
Upon Completion ** ft
After ** Hrs. ** ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Medium dense to very dense, gray, FINE GRAINED SAND *(continued)*					
			18		
			33		
		-85	35		
	330.00	-90			
Medium dense, gray, MEDIUM GRAINED SAND with rounded quartz					
			11		
			14		
		-95	15		
	320.00	-100			
Medium dense, brown, FINE GRAINED SAND with rounded quartz and lenses of light gray weathered limestone (109-114)					
			8		
			14		
		-105	18		
		-110			
	306.00		22		
GRAVEL, BOULDERS (glacial outwash)			41		
		-115	53		
		-120			

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 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, Inc

SOIL BORING LOG

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. 082-0378
Station NA

BORING NO. B-18
Station 16+43.34
Offset 57.65ft Right
Ground Surface Elev. 420.00 ft

Surface Water Elev. Unknown ft
Stream Bed Elev. Unknown ft

Groundwater Elev.:
First Encounter ** ft
Upon Completion ** ft
After ** Hrs. ** ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	299.50				
CRYSTALLINE LIMESTONE - See Rock Core Log					
		-125			
		-130			
	289.50				
End of Boring					
		-135			
		-140			

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 not measured due to sample disturbance
** Not measured due to drilling methods used

BBS, from 137 (Rev. 8-99)

HOELSCHER ENGINEERING
Fairview Heights, IL
Springfield, IL
Champaign, IL

BORINGS
STRUCTURE NO. 082-W301

FILE NAME = H:\SN 082-W301 Final Plans 100909.dgn	USER NAME = default	DESIGNED - CMW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORINGS – RETAINING WALL 082-W301			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN - TJW	REVISED -					998	82-1-1HB	ST. CLAIR	236 / 205
	PLOT SCALE = 66:8 '1' / IN.	CHECKED - JSA	REVISED -							CONTRACT NO. 76C55	
	PLOT DATE = 10/5/2009	DATE - OCT 9, 2009	REVISED -		SCALE: N.T.S.	SHEET NO. 9 OF 9 SHEETS	STA. 62+00.00 TO STA. 64+00.00	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	