Illinois Department of Transportation
Division of Highways
Geotechnology, Inc

SOIL BORING LOG

Date 4/15/10

ROUTE FAP 998 DESCRIPTION Trilevel Interchange LOGGED BY RFW

SECTION 82-1 LOCATION East St. Louis, IL, SEC. 18, TWP. 2N, RNG. 9W

COUNTY St. Clair DRILLING METHOD HSA with MR below 35 ft HAMMER TYPE CME 750X / 73%

STRUCT. NO. 082-W306
Station NA

BORING NO. RW-415
Station 69+20
Offset 10ft Left
Ground Surface Elev. 417.9 ft

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

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

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Material
				Medium dense, brown, FINE GRAINED SAND *(continued)*
	6			
-45	7 8			
	7			
-50	7 6			
365.9				Medium dense, brown to gray, MEDIUM GRAINED SAND
	8			
	10			Grain Size Distribution Conducted
-65	13			
	12			
	14			dense
-80	17			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Material
				Medium dense, brown to gray, MEDIUM GRAINED SAND *(continued)*
	12			
	14			
-85	14			
	5			
	5			
-70	6			
345.9				Dense to medium dense, FINE TO MEDIUM GRAINED SAND
	7			
	10			
-75	27			
	50/4"			
-80				

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)

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Date 4/15/10

ROUTE FAP 998 DESCRIPTION Trilevel Interchange LOGGED BY RFW

SECTION 82-1 LOCATION East St. Louis, IL, SEC. 18, TWP. 2N, RNG. 9W

COUNTY St. Clair DRILLING METHOD HSA with MR below 35 ft HAMMER TYPE CME 750X / 73%

STRUCT. NO. 082-W306
Station NA

BORING NO. RW-415
Station 69+20
Offset 10ft Left
Ground Surface Elev. 417.9 ft

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

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

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Material
				Dense to medium dense, FINE TO MEDIUM GRAINED SAND *(continued)*
	9			
	9			Grain Size Distribution Conducted
-85	9			
	14			
	24			
-95	18			Dense to medium dense, brown, MEDIUM TO COARSE GRAINED SAND, with gravel
	50/5"			
-100				

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Material
				Dense to medium dense, brown, MEDIUM TO COARSE GRAINED SAND, with gravel *(continued)*
	7			
	7			
-105	7			
312.9				End of Boring
-110				
-115				
-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 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, Inc

SOIL BORING LOG

Date 2/17/09

ROUTE FAP 998 DESCRIPTION Trilevel Interchange LOGGED BY DTC

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

COUNTY St. Clair DRILLING METHOD HSA HAMMER TYPE CME 750X / 73%

STRUCT. NO. 082-W306
Station NA

BORING NO. SB-401
Station 73+10.34
Offset 16ft Right
Ground Surface Elev. 421.8 ft

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

Groundwater Elev.:
First Encounter Not Measured ft
Upon Completion Not Measured ft
After ___ Hrs. Not Measured ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Material
				Black, FINE GRAINED SAND (FILL), with cinders
	4			
	3			
	3			
	3			
	4			
-5	3			
416.8				Medium stiff to stiff, brown, SILT, trace cinders and gravel
	3			
	3		16	
	2			
	3			
	4		23	
-10	5			
411.8				End of Boring
-15				
-20				

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)