

BORING LOG: B-407 (4 of 4)



Illinois Department of Transportation
Division of Highways
Geotechnology, Inc.

SOIL BORING LOG

Page 4 of 4

Date 2/23/09

ROUTE FAP 998 DESCRIPTION Trilevel Interchange LOGGED BY LAH
SECTION 82-1 LOCATION East St. Louis, IL, SEC. 12, TWP. 2N, RNG. 10W
COUNTY St. Clair DRILLING METHOD HSA with MR HAMMER TYPE CME 75 / 80%

STRUCT. NO.	BORING NO.	Station	Offset	Ground Surface Elev.	DEPTH (ft)	BULGE (/6")	UCS (tsf)	MOISTURE (%)	DESCRIPTION	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After
082-0322 / 082-0324	B-407	NA	29.88ft Left	427.76					Dense to very dense, gray, MEDIUM GRAINED SAND (continued)	Unknown	Unknown	Unknown	**	**	**
					304.76				End of Boring						
					-125										
					-130										
					-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)

BORING LOG: B-408 (1 of 3)



Illinois Department of Transportation
Division of Highways
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SOIL BORING LOG

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Date 2/18/09

ROUTE FAP 998 DESCRIPTION Trilevel Interchange LOGGED BY TW
SECTION 82-1 LOCATION East St. Louis, IL, SEC. 12, TWP. 2N, RNG. 10W
COUNTY St. Clair DRILLING METHOD HSA with MR HAMMER TYPE CME 55 / 80%

STRUCT. NO.	BORING NO.	Station	Offset	Ground Surface Elev.	DEPTH (ft)	BULGE (/6")	UCS (tsf)	MOISTURE (%)	DESCRIPTION	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After
082-0322 / 082-0324	B-408	NA	29.15ft Left	418.60					Gray CLAY (FILL), with clinders and gravel	Unknown	Unknown	Unknown	**	**	**
					2										
					8			33							
					4										
					2										
					8										
					11				Stiff, gray, SILTY CLAY						
					3										
					5	1.7	23								
					5	S									
					410.60				Loose, brown, FINE GRAINED SAND, trace silt						
					5										
					4										
					3										
					1										
					5										
					5										
					405.60				Soft to stiff, brown, SILTY LOAM						
					0										
					1	0.5	6								
					2	B									
					6										
					4	1.3	25								
					4	B									
					400.60				Loose to medium dense, brown, FINE GRAINED SAND, silt						
					4										
					5										
					5										
					20										

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BORING LOG: B-408 (2 of 3)



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Page 2 of 3

Date 2/18/09

ROUTE FAP 998 DESCRIPTION Trilevel Interchange LOGGED BY TW
SECTION 82-1 LOCATION East St. Louis, IL, SEC. 12, TWP. 2N, RNG. 10W
COUNTY St. Clair DRILLING METHOD HSA with MR HAMMER TYPE CME 55 / 80%

STRUCT. NO.	BORING NO.	Station	Offset	Ground Surface Elev.	DEPTH (ft)	BULGE (/6")	UCS (tsf)	MOISTURE (%)	DESCRIPTION	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After
082-0322 / 082-0324	B-408	NA	29.15ft Left	418.60					Medium dense to very dense, brown to gray, FINE GRAINED SAND, with trace gravel and silt (continued)	Unknown	Unknown	Unknown	**	**	**
					6										
					5										
					6										
					10										
					28										
					42										
					358.60				Loose, gray, SANDY LOAM, with black lignite						
					5										
					4										
					6										
					352.60				Medium dense, gray, FINE GRAINED SAND, with trace silt						
					12										
					9										
					11										
					12										
					14										
					9										
					11										
					12										
					14										
					15										
					32										
					16										
					16										
					15										

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BBS, from 137 (Rev. 8-99)

I:\projects\60046609\082-0322 & 0324\Drawings\76-00-master_consolidated\structural\082-0322\sheet\082-0322-0324-76C76-6124-Boring-log-24.dgn



USER NAME =	DESIGNED - PJL	REVISED -
PLOT SCALE = 0.2" = 1' / IN.	DRAWN - BRD	REVISED -
PLOT DATE = 6/27/2011	CHECKED - DDB	REVISED -
	DATE - 07-01-11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS XXIV
I-70E OVER I-55, CSX & KCS RAILROADS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-1-B-2	ST. CLAIR	399	340
S.N. 082-0322 & S.N. 082-0324		CONTRACT NO. 76C76		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SCALE: SHEET S-213 OF S-234 SHEETS STA. TO STA.