

**BORING LOG: B-426 (Page 1 of 4)**

**BORING LOG: B-426 (Page 2 of 4)**

**BORING LOG: B-426 (Page 3 of 4)**

ROUTE FAP 998 DESCRIPTION Trilevel Interchange LOGGED BY BJS  
 SECTION 82-1 LOCATION East St. Louis, IL, SEC. 18, TWP. 2N, RNG. 9W  
 COUNTY St. Clair DRILLING METHOD HSA with MR below 25 ft HAMMER TYPE CME 550 / 82%

STRUCT. NO.	Station	BORING NO.	Station	Offset	Ground Surface Elev.	DEPTH	BL	UCS	M	SOILS	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.	First Encounter	Upon Completion	After	DEPTH	BL	UCS	M	SOILS
					(ft)	(ft)	(%)	(%)	(%)	(%)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(%)	(%)	(%)	(%)
082-0324	NA	B-426	54+99		428.0						Unknown	Unknown									
Gray, sandy, SILTY CLAY (FILL), trace gravel, brick, concrete and asphalt fragments Soft, brown CLAY, trace sand (continued) Soft, brown, SILT Loose to medium dense, brown, FINE GRAINED SAND Stiff, brown, SILTY LOAM Soft, brown CLAY, trace sand Grain Size Distribution Conducted																					
					407.5																
					400.0																
					391.0																
					410.6																

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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					(ft)	(ft)	(%)	(%)	(%)	(%)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(%)	(%)	(%)	(%)
082-0324	NA	B-426	54+99		428.0						Unknown	Unknown									
Stiff, brown, SILTY LOAM (continued) Medium dense to dense, gray, FINE GRAINED SAND (continued) Medium dense to dense, gray, FINE GRAINED SAND Grain Size Distribution Conducted Some Medium to Coarse Sand, Grain Size Distribution Conducted																					
					381.0																
					338.0																
					308.0																

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					(ft)	(ft)	(%)	(%)	(%)	(%)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(%)	(%)	(%)	(%)
082-0324	NA	B-426	54+99		428.0						Unknown	Unknown									
Medium dense to dense, gray, FINE TO MEDIUM GRAINED SAND (continued) Medium dense to dense, gray, FINE TO MEDIUM GRAINED SAND (continued) Grain Size Distribution Conducted Medium dense to dense, gray, FINE TO MEDIUM GRAINED SAND Grain Size Distribution Conducted																					
					338.0																
					308.0																

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USER NAME =	DESIGNED - P.J.L.	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 XLI  
 I-70E OVER I-55, CSX & KCS RAILROADS**

SCALE: SHEET S-230 OF S-234 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-1-B-2	ST. CLAIR	399	357
S.N. 082-0322 & S.N. 082-0324		CONTRACT NO. 76C76		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		