### BORING LOG: B-407 (1 of 4)

## Page <u>1</u> of <u>4</u> Illinois Department SOIL BORING LOG of Transportation Date <u>2/23/09</u> FAP 998 DESCRIPTION LOGGED BY LOCATION East St. Louis, IL, SEC. 12, TWP. 2N, RNG. 10W St. Clair DRILLING METHOD 082-0322/ 082-0324 Unknown ft Station Stream Bed Elev. B-407 61+78.54 BORING NO. Groundwater Elev. Qu First Encounter Upon Completion After Hrs Offset 29.88ft Left Offset 29.88ft Left Ground Surface Elev. 427.76 Brownish gray, SILTY CLAY (FILL), with cinders, trace gravel and sand (/6") (tsf) (%) SAND (continued) Loose to medium dense, brown FINE GRAINED SAND, with silt See attached grain size distribution Medium stiff, brown, SILTY LOAM Soft, brown, SILTY CLAY LOAM Loose, brown, FINE GRAINED SAND

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-407 (2 of 4)

# Page <u>2</u> of <u>4</u> Illinois Department SOIL BORING LOG of Transportation Date <u>2/23/09</u> LOGGED BY St. Clair DRILLING METHOD 082-0322/ 082-0324 Stream Bed Elev. <u>Unknown</u> ff BORING NO. First Encounter 61+78,54 Offset 29.88ft Left Ground Surface Elev. 427.76 Upon Completion ft) (/6") (tsf) f) (/6") (tsf) (%) Loose to medium dense, brown, FINE GRAINED SAND, with silt FINE GRAINED SAND Medium dense to dense, gray, FINE GRAINED SAND See attached grain size distribution

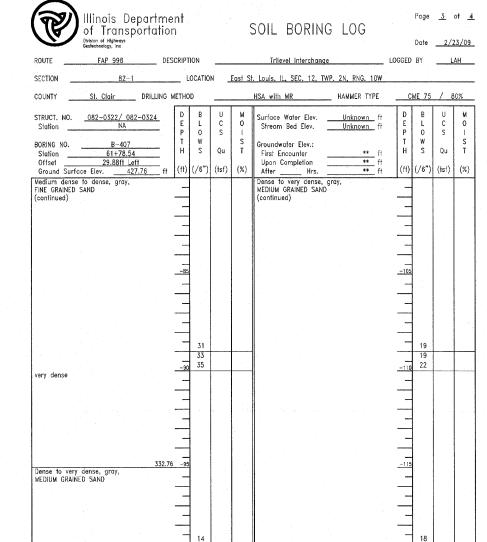
The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer). The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO 1206).

\* Rimac not measured due to sample disturbance

\*\* Not measured due to drilling methods used

BBS, from 137 (Rev. 8-99)

### BORING LOG: B-407 (3 of 4)



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)

**AECOM** 

USER NAME =	DESIGNED	-	PJL	REVISED	_
	DRAWN	-	BRD	REVISED	-
PLOT SCALE = 0:2 ':" / IN.	CHECKED	-	DDB	REVISED	~
PLOT DATE = 6/27/2011	DATE		07-01-11	REVISED	-

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

BORING LOGS XXIII	F.A.I. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
I-70E OVER I-55, CSX & KCS RAILROADS	70	82-1-B-2	ST. CLAIR	399	339
I-/UE UVEN I-33, GOA & RGS NAILNUADS		082-0322 & S.N. 082-0324	CONTRACT	NO. 7	6076
CALE: SHEET S-212 OF S-234 SHEETS STA. TO STA.	FED, R	OAD DIST. NO.   ILLINOIS FED. AL	D PROJECT		