## BORING LOG: B-406 (2 of 4)

## BORING LOG: B-406 (3 of 4)

## BORING LOG: B-406 (4 of 4)

Illinois Department		COLL DODING LOG	rage Z of
Of Transportation  Of Gransportation  Displaying the History of Bestehnsleg, inc		SOIL BORING LOG	Date <u>2/19/0</u>
ROUTE FAP 998 DESCRI		Trilevel Interchange	LOGGED BY LAH
SECTION 82-1	LOCATION East	St. Louis, IL, SEC. 12, TWP. 2N, RNG. 10W	
COUNTY St. Clair DRILLING METH	НОО	HSA with MR HAMMER TYPE	CME 75 / 80%
STRUCT. NO. 082-0322/ 082-0324 Example 10 PM	: L C 0	Surface Water Elev. <u>Unknown</u> ft Stream Bed Elev. <u>Unknown</u> ft	D B U M E L C O
BORING NO. <u>B-406</u> T Station <u>60+42.38</u> H	w s	Groundwater Elev.: First Encounter ** ft	T W S Qu T
	f) (/6") (fsf) (%)	After Hrs** ft	(ft) (/6") (tsf) (%
Very stiff, gray, SILTY LOAM (continued)	_	Dense, brown, MEDIUM GRAINED SAND (continued)	
	-		5.38
-	7	Medium dense to very dense, gray, FINE GRAINED SAND	
-	9		13
	9 27		22
-			
700.70			
Dense, brown, MEDIUM GRAINED SAND			
	17		14
	50 19		21
	-		
			_
	15		<b>-</b>
	55 26		
	]		
	15		9
_	20 60 23		14 -80 15

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

Illinoi of Tr	s Departmei ansportation	nt		SOIL BORING	LOG	Page	<u>3</u> of <u>4</u>
Division of Hi Geotechnology	ghways . Inc		·			Date	2/19/09
ROUTE FAP	998 DESC	CRIPTION		Trilevel Interchange		LOGGED BY	LAH
SECTION	82-1	LOCATION	East S	. Louis, IL, SEC. 12, TWI	P. 2N, RNG. 10W		
COUNTY St. Cla	r DRILLING M	ETHOD		HSA with MR	HAMMER TYPE	CME 75	/ 80%
STRUCT. NO. 082-03	22/ 082-0324 NA	D B E L P O	U M C O S I	Surface Water Elev Stream Bed Elev	Unknown ft Unknown ft	D B E L	U M C O S I
	B-406 D+42.38 61ft Left	T W H S	Qu T	Groundwater Elev.: First Encounter Upon Completion	** ft	T W	Qu T
Ground Surface Elev.	427.38 ft	(ft) (/6")	(tsf) (%)	After Hrs.	** ft	(ft) (/6")	(†sf) (%)
Medium dense to very d gray, FINE GRAINED SANI (continued)		_		Medium dense, gray, M GRAINED SAND (continue	EDIUM ed)		
						<u>.</u> –	
		-85				.38 -105	
				Dense, gray, COARSE G SAND	RAINED		
	•	-				-	
		7					
		28				14	
		33 -90 37		1		15 -110 16	
		-90				-110	
	•	7					
Medium dense, gray, ME	332.38 DIUM	-95		Medium dense, gray, Fl	312 INE	2.38 -115	
GRAINED SAND				GRAINED SAND			
		_					
See attached grain size distribution		19		14.4		13	
distribution		12				12 -120 15	

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

					Page 4	of
Illinois Dep of Transpo Obvision of Highways Geotechnology, Inc	Illinois Department of Transportation		SOIL BORING LOG			
Geotechnology, Inc	DESCRIPTION		Trilevel Interchange		Date <u>2</u> GGED BY	2/19/9 LAH
	<del></del>				JUED D1	LAH
SECTION 82-1	LOCATION	East St.	Louis, IL, SEC. 12, TW	/P. 2N, RNG. 10W		
COUNTY St. Clair	DRILLING METHOD		HSA with MR	HAMMER TYPE	CME 75 /	80%
STRUCT. NO. <u>082-0322 / 082-</u> Station NA  ORRING NO. <u>B-406</u>	D B U E L C P O S T W H S Qu	0  -   S	Surface Water Elev. Stream Bed Elev. Groundwater Elev.:	Unknown fi Unknown fi		
Station         60+42.38           Offset         29.61fl Left           Ground         Surface Elev. 427.			First Encounter Upon Completion After Hrs.	** ft  ** ft		
Medium dense, gray, FINE GRAINED SAND (continued)						
	=				•	
nd of Boring	304.38					
ind of bonning						
	_					
	-					
	_130					
	7					

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)

A	ΞC	М
-		-

USER NAME =	DESIGNED	~	PJL	REVISED	-
	DRAWN	-	BRD	REVISED	•
PLOT SCALE ≈ Øs2 't" / IN.	CHECKED	-	DDB	REVISED	-
PLOT DATE = 6/27/2011	DATE	-	07-01-11	REVISED	-

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

	BORING LOGS XXII		F.A.I. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
-	I 70E OVED I SE COV O VCC DAILDOADO		70	82-1-B-2	ST. CLAIR	399	338
I-70E OVER I-55, CSX & KCS RAILROADS			S.N. 0	82-0322 & S.N. 082-0324	CONTRAC	T NO. 7	6C76
SCALE:	SHEET S-211 OF S-234 SHEETS STA. TO STA.		FED. RO	AD DIST. NO. ILLINOIS FED. AL	D PROJECT		