ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 789	95-00158-00-BR	JEFFERSON	12	10
		ILLINOIS	CONTRACT NO. 99286	

Illinois Department of Transportation
Division of Highways
Ill. Dept. of Trans. D-7

SOIL BORING LOG

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Date 5/24/05

ROUTE CH 3 DESCRIPTION Horse Creek LOGGED BY E. Sandschafer

SECTION 95-00158-00-BR LOCATION Sec 7 - NE 1/4, Sec 8 - NW 1/4, SEC. , TWP. 1 S, RNG. 4 E, 3 PM

COUNTY Jefferson DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. 041-3031
Station

BORING NO. 1 (S Abut)
Station 18' S of exist S Abut
Offset 9.00ft W of centerline
Ground Surface Elev. 469.87 ft

Surface Water Elev. 454.80 ft
Stream Bed Elev. 450.89 ft

Groundwater Elev.:
First Encounter 452.92 ft
Upon Completion Washed ft
After ___ Hrs. samples ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Soft to medium, very damp, dark gray, SILTY CLAY. *Many wood fragments.*	2 3	0.5 B	20
-85			
380.37			
Soft, very damp, gray, SILTY CLAY to CLAY TILL. *Many wood fragments.* -90	0 1 2	0.3 B	19
-95			
-100			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Soft, very damp, gray, SILTY CLAY to CLAY TILL. *Many wood fragments. (continued)*			
365.97			
Very dense, wet, gray, medium grained, SAND. *6% passing #200 sieve.* -105	45 50/2"		15
364.67	50/2"		
Gray/blue/red, SANDY CLAY TILL.			
363.47			
Very dense, moist, gray, CLAY SHALE.			
360.37 -110	50/4" 50/2" 50/1"		8
Borehole continued with rock coring.			
-115			
-120			

Latitude N 38 deg 27.45 min, Longitude W 88 deg 47.57 min, Nad Datum WGS 84

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)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
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ROCK CORE LOG

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Date 6/24/05

ROUTE CH 3 DESCRIPTION Horse Creek LOGGED BY E. Sandschafer

SECTION 95-00158-00-BR LOCATION Sec 7 - NE 1/4, Sec 8 - NW 1/4, SEC. , TWP. 1 S, RNG. 4 E, 3 PM

COUNTY Jefferson CORING METHOD Rotary, surf set diamond bit

STRUCT. NO. 041-3031
Station

CORING BARREL TYPE & SIZE NW, conv dbl bbl, split inner

BORING NO. 1 (S Abut)
Station 18' S of exist S Abut
Offset 9.00ft W of centerline
Ground Surface Elev. 469.87 ft

Core Diameter 2.06 in
Top of Rock Elev. 362.87 ft
Begin Core Elev. 359.77 ft

DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Gray, slightly weathered, SANDY CLAY SHALE.		100	74	1.2	
360.37					
-115					
		100	93	0.9	
352.97					
Gray, estimated LIMESTONE.					
350.37 -120					
Extent of exploration.					
Benchmark: TBM painted square on SW corner of NW wingwall of existing structure = assumed 200.00'					
-125					
-130					

Color pictures of the cores ___
Cores will be stored for examination until ___
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BORING 1

HAMPTON, LENZINI & RENWICK, INC.
CIVIL & STRUCTURAL ENGINEERS
LAND SURVEYORS
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
(217) 546-3400
ELGIN • SPRINGFIELD

PROJECT NUMBER: 12-49-0007-1		DATE: 01/12/07
DESIGNED: R.J.P.	CHECKED: S.W.M.	DRAWN: D.T.M.

BORINGS
SECTION 95-00158-00-BR
C.H. 3 / F.A.S. 789
JEFFERSON COUNTY
STRUCTURE NO. 041-3736 / STATION 20+00