ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
F.A.S. 789	95-00158 -00-BR	JEFFERSON	12	11
		ILLINOIS	CONTRACT NO. 99286	

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

SOIL BORING LOG

Page 1 of 3

Date 5/26/05

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. 2 (N Abut)
Station 18' N of exist N Abut
Offset 11.00ft E of centerline
Ground Surface Elev. 469.79 ft

Surface Water Elev. 454.30 ft
Stream Bed Elev. 450.89 ft
Groundwater Elev.:
First Encounter 447.82 ft
Upon Completion Washed ft
After ___ Hrs. samples ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Oil & chip surface over mixture of black, oily, CLAY and rock. 468.79			
Gray, CLAY. 467.79			
	12		
Very stiff, very moist, brown, SANDY CLAY.	11	2.7	14
465.29	10	B	
	5		
Stiff, very moist, gray, SILTY CLAY LOAM.	5	1.7	18
463.79	6	B	
	4		
Soft, damp, gray, SILTY LOAM.	3	0.4	25
459.79	3	B	
	2		
Stiff, damp, gray, SILTY CLAY	3	1.2	22
457.79	4	S	
	1		
Soft to medium, gray, SILTY LOAM.	2	0.5	24
	1	B	
	0		
	0	0.6	27
	1	B	
	0		
451.79	1	0.3	31
Soft, very damp, gray, SANDY LOAM.	0	B	
	0		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	0	0.4	40
Wood fragments.	1	S	
447.79			
	1		
Very loose, wet, gray, fine grained, SAND. 11% passing #200 sieve.	1		22
445.29	1		
	2	0.8	17
Medium, damp, gray, CLAY w/ sand. 444.09	3	B	
Stiff, damp, gray, CLAY TILL w/ some sand.	1		
	3	1.0	17
	4	B	
	2		
	3	1.5	15
	6	B	
	3		
	5	1.7	15
	8	B	
	2		

Latitude N 38 deg 27.45 min. Longitude W 89 deg 47.67 min. Map 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
Division of Highways
Ill. Dept. of Trans. D-7

SOIL BORING LOG

Page 2 of 3

Date 5/26/05

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. 2 (N Abut)
Station 18' N of exist N Abut
Offset 11.00ft E of centerline
Ground Surface Elev. 469.79 ft

Surface Water Elev. 454.30 ft
Stream Bed Elev. 450.89 ft
Groundwater Elev.:
First Encounter 447.82 ft
Upon Completion Washed ft
After ___ Hrs. samples ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Stiff, damp, gray, CLAY TILL w/ some sand. (continued)	4	1.3	17
	6	B	
	2		
	4	1.2	16
	6	B	
	2		
	4	1.0	17
	5	B	
	1		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Stiff, damp, gray, CLAY TILL w/ some sand. (continued)	3	1.0	18
	5	B	
	0		
	2	0.7	20
390.29	4	B	
	0		

Latitude N 38 deg 27.45 min. Longitude W 89 deg 47.67 min. Map 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
Division of Highways
Ill. Dept. of Trans. D-7

SOIL BORING LOG

Page 3 of 3

Date 5/26/05

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. 2 (N Abut)
Station 18' N of exist N Abut
Offset 11.00ft E of centerline
Ground Surface Elev. 469.79 ft

Surface Water Elev. 454.30 ft
Stream Bed Elev. 450.89 ft
Groundwater Elev.:
First Encounter 447.82 ft
Upon Completion Washed ft
After ___ Hrs. samples ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Soft to medium, very damp, gray, CLAY TILL. (continued)	2	0.5	21
	3	B	
	0		
	0	0.4	18
370.29	2	B	
	5		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	7		20
Medium, wet, gray, medium grained, SAND. 5% passing #200 sieve. (continued)	15		
361.79			
Very dense, moist, gray, CLAY SHALE. 361.29	50/4"		6
Extent of exploration.	50/2"		
	50/0"		
Benchmark: TBM painted square on SW corner of NW wingwall of existing structure = assumed 200.00'			

Latitude N 38 deg 27.45 min. Longitude W 89 deg 47.67 min. Map 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)

BORING 2

HAMPTON, LENZINI & RENWICK, INC.
CIVIL & STRUCTURAL ENGINEERS
LAND SURVEYORS
3086 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