STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EarthTech
A tyco International Ltd. Company

F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
786	109 BR	La Salle	351	283
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 83
89 SHEETS

Contract # 66607

Illinois Department of Transportation
Division of Highways
District #3, Ottawa

SOIL BORING LOG

Page 1 of 1

Date 10/15/02

ROUTE IL 170 DESCRIPTION PRELIMINARY BORING FOR NEW BRIDGE OVER ILLINOIS RIVER AT SENECA LOGGED BY LM-IDOT
SECTION BRIDGE OVER ILLINOIS RIVER LOCATION NW 1/4, SW 1/4, SEC. 25, TWP. 33N, RNG. 5E, 3rd PM
COUNTY LASALLE DRILLING METHOD Hollow Stem Auger HAMMER TYPE AUTOMATIC

STRUCT. NO. 050-0070 EXISTING
Station 79+05
BORING NO. 1 NORTH SIDE
Station 72+95
Offset 15.00ft LT
Ground Surface Elev. 502.06 ft

Surface Water Elev. 483.41 ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter 478.1 ft
Upon Completion WASHED ft
After 48 Hrs. 486.1 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
AUGERED Brown SANDY LOAM with GRAVEL Pieces (FILL)			
488.06			
Loose Brown Loamy Fine to Medium GRAVEL	11		
	7	-	9.0
	8	-	
	4		
	2	-	6.0
	2	-	
482.56			
Loose Brown Fine SAND	2	-	7.0
482.06	3	-	5.0
Very Stiff Brown SANDY CLAY LOAM	5	3.0	14.0
481.06			
Very Loose to Loose Brown Medium Fairly Well-Graded SAND	2		
	2	-	4.0
	3	-	
	1		
	1	-	4.0
	2	-	
	2		
	4	-	8.0
	3	-	
	2	-	24.0
	1	-	
	1		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very Loose to Loose Brown Medium Fairly Well-Graded SAND (continued)	1	-	22.0
	1	-	
	1		
	1	-	26.0
	1	-	
	2		
	2	-	23.0
	3	-	
	0		
	1	-	27.0
	1	-	
471.06			
Medium Brown Medium SAND	2		
	8	-	21.0
	15	-	
468.56			
Medium Stiff Gray Interbedded Fine SAND, SILT & CLAY with Fine GRAVEL at 34.5	3		
	6	2.5	25.0
	8	P	
	29		
465.06			
TOP OF ROCK Hard Weathered Dark Gray SHALE	22	-	16.0
	35	-	
	38		
462.31			
End of Boring	100/3	-	12.0

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
District #3, Ottawa

SOIL BORING LOG

Page 1 of 2

Date 10/15/02

ROUTE IL 170 DESCRIPTION PRELIMINARY BORING FOR NEW BRIDGE OVER THE ILLINOIS RIVER AT SENECA LOGGED BY LM-IDOT
SECTION BRIDGE OVER ILLINOIS RIVER LOCATION NW 1/4, SW 1/4, SEC. 25, TWP. 33N, RNG. 5E, 3rd PM
COUNTY LASALLE DRILLING METHOD Hollow Stem Auger HAMMER TYPE AUTOMATIC

STRUCT. NO. 050-0070 EXISTING
Station 79+05
BORING NO. 2 NORTH SIDE
Station 74+42
Offset 15.00ft RT
Ground Surface Elev. 501.81 ft

Surface Water Elev. 483.41 ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter 479.8 ft
Upon Completion WASHED ft
After 24 Hrs. 484.8 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
AUGERED Brown SANDY LOAM with GRAVEL Pieces Up to 3" Size			
498.31			
Hard Brown LOAMY Fine GRAVEL	20	4.5	8.0
496.81	17		8.0
Brown Medium to Coarse SAND	14		4.0
497.81			
Medium Brown Well-Graded Medium SAND	5		
	7	-	4.0
	11	-	
494.31	7		
Medium Brown SAND & Fine to Coarse GRAVEL	9	-	5.0
	7	-	
	3		
491.31	7	-	5.0
Medium Light Brown Well-Graded Medium SAND with Some Fine to Coarse GRAVEL @ 14.5' TO 16'	8	-	4.0
	6		
	5	-	3.0
	8	-	
	8		
	10	-	3.0
	11	-	
	4		
	8	-	18.0
	9	-	
	5		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Medium Light Brown Well-Graded Medium SAND with Some Fine to Coarse GRAVEL @ 14.5' TO 16' (continued)	8	-	22.0
	11	-	
	3		
	7	-	21.0
	13	-	
	6		
	9	-	22.0
	13	-	
	6		
	6	-	20.0
	7	-	
	7		
	15	-	20.0
	27	-	
470.81			
Medium Brown Interbedded Fine SAND, SILT & CLAY Lenses	7		
	9	-	23.0
	11	-	
	20		
466.31			
Dense Black LOAMY GRAVEL	26	-	11.0
465.31	21	-	
Dense Gray & Black Mix of SAND, GRAVEL & CLAY(SHALE Pieces) with Cobble Size Pieces and Possibly Boulder Size of Sandstone	28		
	21	-	12.0
	29	-	
	22		
	35	-	18.0

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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BBS, from 137 (Rev. 8-99)

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SOIL BORING LOG

Page 2 of 2

Date 10/15/02

ROUTE IL 170 DESCRIPTION PRELIMINARY BORING FOR NEW BRIDGE OVER THE ILLINOIS RIVER AT SENECA LOGGED BY LM-IDOT
SECTION BRIDGE OVER ILLINOIS RIVER LOCATION NW 1/4, SW 1/4, SEC. 25, TWP. 33N, RNG. 5E, 3rd PM
COUNTY LASALLE DRILLING METHOD Hollow Stem Auger HAMMER TYPE AUTOMATIC

STRUCT. NO. 050-0070 EXISTING
Station 79+05
BORING NO. 2 NORTH SIDE
Station 74+42
Offset 15.00ft RT
Ground Surface Elev. 501.81 ft

Surface Water Elev. 483.41 ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter 479.8 ft
Upon Completion WASHED ft
After 24 Hrs. 484.8 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	45	-	
460.81			
TOP OF ROCK Dense Gray to Dark Gray Weathered SHALE	34		
	100/2	-	16.0
	-		
457.81			
Dense Greenish Gray SHALE			
456.81	100/4	-	8.0
End of Boring			

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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)

DESIGNED	- DEV
CHECKED	- RJC
DRAWN	- JHR
CHECKED	- RJC

SOIL BORINGS LOG #1 & #2
IL. 170 F.A.P. 786 OVER
ILLINOIS RIVER AT SENECA
PUBLIC WATERS
LA SALLE COUNTY, SECTION 109 BR
STATION 79+04.42
STRUCTURE NO. 050-0246