

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



F.A.P. ROUTE NO.	SECTION	COUNTY	STATE SHEETS	SHEET NO.
786	109 BR	La Salle	351	288
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

Contract # 66607

SHEET NO. 88
89 SHEETS



SOIL BORING LOG

Page 1 of 1
Date 4/27/06

ROUTE IL 170 DESCRIPTION BRIDGE OVER ILLINOIS RIVER
SECTION RIVER LOCATION SW 1/4, SEC. 25, TWP. 33N, RNG. 9E, 3rd PM
COUNTY LASALLE DRILLING METHOD Hollow Stem Auger HAMMER TYPE AUTOMATIC

STRUCT. NO.	STATION	DEPTH (ft)	DESCRIPTION	DEPTH (ft)	DEPTH (ft)	DEPTH (ft)	DEPTH (ft)	DEPTH (ft)	DEPTH (ft)
050-0070 EXISTING	79+05		Surface Water Elev. 483.41 ft						
			Stream Bed Elev. _____ ft						
			Groundwater Elev.: _____ ft						
			First Encounter _____ ft						
			Upon Completion _____ ft						
			After _____ Hrs.						
			Augered Brown Fine/Coarse Sand & Gravel Fill Loamy in Top 6"	5	19.9				
			Washed sample 17'-24' (continued)						
			Loose Brown Fine/Coarse Sand w/ upto Coarse Gravel w/ layers Dark Brown Sandy Loam Fill	4	12.7				
			Stiff Black/Brown Sandy Clay Loam/ Sandy Loam with Gravel Pieces	1	15.6				
			Sand Cave in @ 7.5' AAR	5					
			Loose Brown Fine/Coarse Sand with Minor Gravel Free water @ 12'	4	11.1				
			Washed sample at 14'-16'	1	16.7				
			Hard Gray Shale weathered at surface	4					
			End of Boring	4	21.0				
			Medium Brown Fine/Coarse Sand with Minor Gravel	5	19.3				
			Washed sample 17'-24'	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 T298)
BBS, from 137 (Rev. 8-99)



SOIL BORING LOG

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Date 4/18/06

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050-0070 EXISTING	79+05		Surface Water Elev. 483.41 ft						
			Stream Bed Elev. _____ ft						
			Groundwater Elev.: _____ ft						
			First Encounter _____ ft						
			Upon Completion _____ ft						
			After _____ Hrs.						
			Augered Brown Sand	4	16.0				
			Sample washed out at 20' (continued)						
			Medium Brown Fine/Coarse Sand w/ minor Sandy Loam Layers (Fill)	6	9.0				
			Dense Brown Fine/Coarse Sand w/ Fine/Coarse Gravel & Pieces Red Weathered Shale	7					
			Loose Brown Fine/Coarse Sand (sub round to sub angular) clean	5	4.9				
			Very Dense Brown Fine Sand w/ minor Coarse Gravel	4	20.5				
			Sampled washed from 30'-33'						
			Medium Brown Fine/Coarse Sand (Clean) Free water @ 13.5'	3	18.4				
			Sand Cave in @ 12.5' AAR	6					
			Very Dense Brown Fine Sand to Coarse Gravel (potential cobble size)	7					
			Sample washed from 35'-46.5'						
			Medium Brown Fine/Coarse Sand w/ Fine/Coarse Gravel	5	15.8				
			Sample washed out at 20'	7					

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050-0070 EXISTING	79+05		Surface Water Elev. 483.41 ft						
			Stream Bed Elev. _____ ft						
			Groundwater Elev.: _____ ft						
			First Encounter _____ ft						
			Upon Completion _____ ft						
			After _____ Hrs.						
			Hard Gray/Green/Red Weathered reworked Shale	15	15.7				
			Hard Gray Calcareous Shale w/ Limestone Layers/ Beds	22					
			End of Boring	30	5.4				

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BBS, from 137 (Rev. 8-99)

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

SOIL BORING LOGS #6a & #7a
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