

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	DATE	SHEET NO.
FAP 623	X-1BR	LaSalle	126	96
FED. ROAD DIST. NO. 7				
ILLINOIS FED. AID PROJECT				

Contract #66617

SHEET NO. 41

41 SHEETS

Illinois Department of Transportation
Division of Highways
District Three Materials

SOIL BORING LOG

Page 1 of 2
Date 10/20/84

ROUTE US 6 DESCRIPTION US 6 OVER LITTLE VERMILION RIVER EAST OF LASALLE LOGGED BY CIB

SECTION X-1BR LOCATION SE 14 OF NW 14, SEC. 14, TWP. 33N, RNG. 1E, 3 PM

COUNTY LASALLE DRILLING METHOD Hollow Stem Auger HAMMER TYPE MANUAL

STRUCT. NO. 050-0094
Station 9+67.35

BORING NO. 3 PIER 1
Station 9+15.5
Offset 19.00ft RT
Ground Surface Elev. 477.6 ft

DEPTH (ft)	SOIL DESCRIPTION	BLU (ft)	UCS (psi)	SP (ft)	SOIL DESCRIPTION	BLU (ft)	UCS (psi)	SP (ft)
0	Surface Water Elev. 453.7 ft				Surface Water Elev. 453.7 ft			
0	Stream Bed Elev. _____ ft				Stream Bed Elev. _____ ft			
0	Groundwater Elev. _____ ft				Groundwater Elev. _____ ft			
0	First Encounter _____ ft				First Encounter _____ ft			
0	Upon Completion _____ ft				Upon Completion _____ ft			
0	After 18 Hrs. 452.6 ft				After 18 Hrs. 452.6 ft			
0	Ground Surface Elev. 477.6 ft				Ground Surface Elev. 477.6 ft			
0	437.1	100						
11	Stiff Reddish Brown & Olive Gray CLAY (FILL)				Dense Reddish Brown Crumbly LOAM (FILL)			
11	1.3 S	20			454.1			
17	1.0 E	13			Soft to Medium Reddish Brown & Brownish Black CLAY LOAM to CLAY (FILL)			
17	1.0 E	14			449.1			
19	1.0 E	14			Medium Light Brown LIMESTONE FRAGMENTS & GRAVEL			
19	0.8 B	20			446.6			
26	2.0 E	14			Loose & Soft Light Brown LIMESTONE FRAGMENTS & Moist CLAY (MIXED)			
26	2.0 E	13			444.1			
20	2.0 E	12			Medium to Stiff Light Brown LIMESTONE FRAGMENTS & Moist CLAY (MIXED)			
15	2.0 E	12			441.6			
15	2.0 E	17			Dense Brown & Light Brown Saturated Coarse Angular SAND & LIMESTONE FRAGMENTS			
15	2.0 E	17			439.1			
15	2.0 E	12			Very Dense Light Brown & White LIMESTONE FRAGMENTS with AUGER REFUSAL AT 40.5'			
15	2.0 E	12			40			

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. 8-89)

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0	After 18 Hrs. 452.6 ft				After 18 Hrs. 452.6 ft			
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0	437.1	100						

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ROUTE US 6 DESCRIPTION US 6 OVER LITTLE VERMILION RIVER EAST OF LASALLE LOGGED BY CIB

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COUNTY LASALLE DRILLING METHOD Hollow Stem Auger HAMMER TYPE MANUAL

STRUCT. NO. 050-0094
Station 9+67.35

BORING NO. 4 PIER 2
Station 10+06.3
Offset 18.00ft RT
Ground Surface Elev. 455.7 ft

DEPTH (ft)	SOIL DESCRIPTION	BLU (ft)	UCS (psi)	SP (ft)	SOIL DESCRIPTION	BLU (ft)	UCS (psi)	SP (ft)
0	Surface Water Elev. 453.7 ft				Surface Water Elev. 453.7 ft			
0	Stream Bed Elev. _____ ft				Stream Bed Elev. _____ ft			
0	Groundwater Elev. _____ ft				Groundwater Elev. _____ ft			
0	First Encounter _____ ft				First Encounter _____ ft			
0	Upon Completion _____ ft				Upon Completion _____ ft			
0	After 18 Hrs. _____ ft				After 18 Hrs. _____ ft			
0	Ground Surface Elev. 455.7 ft				Ground Surface Elev. 455.7 ft			
0	437.1	100						
18	Medium Brown & Brownish Black CINDERS, STONES & BRICKS				Medium Light Brown & White LIMESTONE FRAGMENTS (continued)			
18	10				432.2			
18	10				Dense to Very Dense Light Brown & White LIMESTONE FRAGMENTS mixed with CLAY			
18	10				427.2			
18	10				Medium Brown & Black Angular SAND, CINDERS & LIMESTONE FRAGMENTS			
18	10				449.7			
18	10				Medium Light Brown Sub-Angular Coarse SAND			
18	10				447.2			
18	10				Medium Light Yellow LIMESTONE FRAGMENTS			
18	10				444.7			
18	10				Hard Gray (CLAY) SHALE			
18	10				424.7			
18	10				Medium Light Brown & White LIMESTONE FRAGMENTS			
18	10				442.2			
18	10				3004"			
18	10				40			

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0	Groundwater Elev. _____ ft				Groundwater Elev. _____ ft			
0	First Encounter _____ ft				First Encounter _____ ft			
0	Upon Completion _____ ft				Upon Completion _____ ft			
0	After 18 Hrs. _____ ft				After 18 Hrs. _____ ft			
0	Ground Surface Elev. 455.7 ft				Ground Surface Elev. 455.7 ft			
0	437.1	100						
14	Hard Gray (CLAY) SHALE (continued)				3004"			
14	Hard Black & Olive Gray (CLAY) SHALE				413.7			
14	14				CORED BUT NO DATA IN FILES			
14	14				407.2			
14	14				40			

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Existing boring stations are based on @ Bridge at 9+65.00 = @ Proposed Bridge Sta. 1036+60.72.

BORING LOGS
F.A.P. ROUTE 623 - SECTION X-1BR
LaSALLE COUNTY
STATION 1036+60.72
STRUCTURE NO. 050-0094