

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO.
FAS 1279	1071	LaSALLE	43	31
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

CTR# 66400



SOIL BORING LOG

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ROUTE FAS 1279(IL178) DESCRIPTION ILLINOIS 178 OVER TRIBUTARY TO VERMILION RIVER NORTH OF LOWELL LOGGED BY K.W.  
(1)RS,(106,107)RS-2,(108)RS-A  
SECTION & 1 LOCATION NW 1/4, SEC. 4, TWP. 32N, RNG. 2E, 3<sup>rd</sup> PM  
COUNTY LASALLE DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	STATION	BORING NO.	DESCRIPTION	DEPTH (ft)	BLOWS	UCS (tsf)	FAILURE MODE	GROUNDWATER ELEV. (ft)	DATE	LOGGED BY
050-0154	1119+97.38	1	NORTHSIDE					604.40	3/6/02	K.W.
			Surface Water Elev.	604.40						
			Stream Bed Elev.							
			Groundwater Elev.:							
			First Encounter							
			Upon Completion	604.5						
			After Hrs.							
			Loose Brown Fine to Coarse SAND	8						
				7		20.0				
			Dense Brown SAND & Coarse GRAVEL	13						
				15		15.0				
			Dense Gray SILT	17		23.0				
				19						
			Dense Brown SAND & Coarse GRAVEL	20		15.0				
				20						
			Gray SILTY CLAY LOAM TILL	24						
				32		13.0				
			Dense Gray SAND & Fine GRAVEL	34						
				15						
				11		20.0				
				13						
			Soft Olive Gray Reworked SILTY CLAY LOAM TILL with GRAVEL & Thin SAND Layers	1						
				2		21.0				
				2						
				1						
				2		25.0				
				1						
				1						
				4		20.0				
				3						
			Loose Black & Gray Fine to Coarse SAND	7		22.0				

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)



SOIL BORING LOG

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COUNTY LASALLE DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

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050-0154	1119+97.38	2	SOUTHSIDE					604.40	3/7/02	K.W.
			Surface Water Elev.	604.40						
			Stream Bed Elev.							
			Groundwater Elev.:							
			First Encounter							
			Upon Completion	WASHED						
			After Hrs.							
			AUGERED SHOULDER STONE Over Brown CLAY LOAM TILL (FILL)	6		21.0				
				7						
			Loose Brown SAND (FILL)	13		15.0				
				80						
			Stiff Brown SILTY CLAY (FILL)	7						
				13		15.0				
				80						
			Stiff Brown SAND (FILL)	15		17.0				
				26						
			Stiff Brown SILTY CLAY with Pebbles & Tile Pieces	9						
				15		17.0				
			Loose Brown SAND/SANDY LOAM (FILL)	15						
				26						
			Stiff Brown SILTY CLAY LOAM TILL (FILL)	15						
				16		16.0				
			Stiff/Very Stiff Dark Gray SILTY CLAY LOAM to SILTY LOAM with Pebbles & Organics	16						
				26						
			Very Stiff Gray Poorly Sorted but Cohesive LOAM, with Pieces of SHALE, COAL, CHERT & GRAVEL	15						
				16		16.0				
				26						
			Stiff Brown Reworked SILTY CLAY LOAM TILL	5						
				6		10.0				
				11						
			Hard Gray SILTY CLAY Reworked Weathered SHALE	11						
				3						
			Medium Brown Reworked CLAY LOAM TILL with SAND & GAVEL Layers	10		13.0				
				10		17.0				
				10						
			Stiff Gray & Brown Reworked SHALE with Pieces of SANDSTONE & Brown TILL	10		1.5				
				10						
				10						
			Stiff Black LOAM with Pebbles & Organics	19		12.0				
				19						
			Soft Black LOAM with More Organics Than Above	2						
				3		28.0				
				3						
			Loose Gray SAND & GRAVEL and SANDY LOAM with Pieces of SANDSTONE	5						

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BBS, from 137 (Rev. 8-99)

**ESCA**  
CONSULTANTS, INC.

DESIGNED BY:	RDP	11/05
DRAWN BY:	DWH	11/05
CHECKED BY:	MTD	12/05
APPROVED BY:	RDP	05/06

SOIL BORINGS  
IL ROUTE 178 OVER  
UNNAMED TRIBUTARY  
FAS 1279 SECTION 1071  
LaSALLE COUNTY  
STATION 1120+02.38  
STRUCTURE NO. 050-2040