

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SOIL BORING LOG

Page 1 of 2

ROUTE FAS 1279 (IL178) DESCRIPTION IL 178 OVER CLARK RUN NEAR UTICA LOGGED BY K.W.
SECTION (P-10)BR LOCATION NE 1/4, SEC. 8, TWP. 33N, RNG. 2E, 3rd PM
COUNTY LASALLE DRILLING METHOD HOLLOW STEM AUGER HAMMER TYPE AUTOMATIC

STRUCT. NO. Station	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev. _____ ft Stream Bed Elev. _____ ft
050-0085 151+38.00					Groundwater Elev.: _____ ft First Encounter _____ ft Upon Completion _____ ft After _____ Hrs.
BORING NO. 1 SOUTH ABUT. Station 151+21.5 Offset 7.70 RT Ground Surface Elev. 504.36 ft					
BITUMINOUS SURFACE Over CONCRETE PAVEMENT					
STONE BASE Over Brown SANDY LOAM					
Loose Brown & Gray SANDY LOAM & SAND (FILL & ERODED ST. PETER SANDSTONE)	2			6	
	2				
	1			18	
	1				
Loose Mix of White and Gray SAND with Coarse GRAVEL	6				
Highly Weathered & Fractured CHERTY DOLOMITE with Gray CLAY & ST. PETER SANDSTONE	16			13	
	46				
	6				
AUGER REFUSAL	12			13	
	15				
Borehole continued with rock coring.					

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)



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SECTION (P-10)BR LOCATION NE 1/4, SEC. 8, TWP. 33N, RNG. 2E, 3rd PM
COUNTY LASALLE DRILLING METHOD HOLLOW STEM AUGER HAMMER TYPE AUTOMATIC

STRUCT. NO. Station	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev. _____ ft Stream Bed Elev. _____ ft
050-0085 151+38.00					Groundwater Elev.: _____ ft First Encounter _____ ft Upon Completion _____ ft After _____ Hrs.
BORING NO. 2 NORTH ABUT. Station 151+55 Offset 13.00 RT Ground Surface Elev. 504.95 ft					
BITUMINOUS SURFACE OVER CONCRETE PAVEMENT & STONE BASE Over Brown SANDY LOAM					
Loose Brown SAND and SANDY LOAM with Pieces of SANDSTONE and Siliceous, Cherty DOLOMITE (FILL to Eroded Alluvial Material of ST. PETER SANDSTONE)	2			8	
	3				
	7				
	2				
	3			8	
	3				
Medium Brown SAND & Angular to Rounded GRAVEL (FREE WATER)	7			15	
	7				
	-				
	-				
ST. PETER SANDSTONE (AUGER REFUSAL)	100			7	
	1.5				
End of Boring					

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)



ROCK CORE LOG

Page 1 of 2

ROUTE FAS 1279 (IL178) DESCRIPTION IL 178 OVER CLARK RUN NEAR UTICA LOGGED BY K.W.
SECTION (P-10)BR LOCATION NE 1/4, SEC. 8, TWP. 33N, RNG. 2E, 3rd PM
COUNTY LASALLE CORING METHOD ROTARY CME 75

STRUCT. NO. Station	CORING BARREL TYPE & SIZE	D E P T H	C O V E R E D	R E C O V E R E D	R E C O V E R E D	C O R E D I A M E T E R	S T R E N G T H
050-0085 151+38.00	5' DOUBLE BARREL						
BORING NO. 1 SOUTH ABUT. Station 151+21.5 Offset 7.70 RT Ground Surface Elev. 504.36 ft	Core Diameter 2.047 in Top of Rock Elev. 492.36 ft Begin Core Elev. 492.36 ft						
DOLOMITE, Light Gray, Cherty, Fractured, with thin Green SHALE Seams		492.36	1	93	22		
DOLOMITE, Light Gray, Fine-grained, with Green-Gray CLAY Filled Cavities,		490.66					
SANDSTONE, White, Thin-bedded, Dolomitic, Rounded Quarts Grains, with 1/4" Layers of Green SHALE (CLAY)		489.11					
KRESS MEMBER ST. PETER SANDSTONE ORDOVICIAN SYSTEM		487.11					
DOLOMITE, Medium to Dark Gray, Fine to Medium-grained, Vuggy, Siliceous with rounded Quartz Sand Grains, Green Clay Filled Fractures and Seams, Quartz and Pyrite Lined Cavities of +1/2" in Size with Larger Cavities Filled with Chert and Crystalline Quartz			2	100	56		219
SHAKOPEE DOLOMITE ORDOVICIAN SYSTEM							274
							296
End of Boring		482.36					

Color pictures of the cores YES
Cores will be stored for examination until 2003
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938) BBS, form 138 (Rev. 8-99)

DESIGNED	DAF
CHECKED	AAG
DRAWN	DAF
CHECKED	KBG

BORING LOGS
F.A.S. 1279 - ILLINOIS RTE. 178
OVER CLARK RUN
SECTION (P-10)BR
LaSALLE COUNTY
STATION 151+38.00
STRUCTURE NO. 050-0238