

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation Division of Highway Engineering, Inc.		SOIL BORING LOG										
ROUTE FAP 312 (IL 3)			DESCRIPTION Structure Boring				LOGGED BY SCI			Page 1 of 3		
SECTION 64-1VBR			LOCATION Bridge crossing UPRR and Prairie Duport Canal - North of Dupont SEC., TWP., R				COUNTY St. Clair			Date 7/23, 24/08		
DRILLING METHOD CME 75 w/ISA			HAMMER TYPE Automatic									
STRUCT. NO. 082-0030 (existing)	D E P O S I T	B U L G E	U C S	M O I S T	Surface Water Elev.	ft	D E P O S I T	B U L G E	U C S	M O I S T		
Station 278+00	T W S	T W S	H S	Qu T	Stream Bed Elev.	ft	T W S	H S	Qu T			
BORING NO. B-102	H S	Qu T			Groundwater Elev. First Encounter	ft	H S	Qu T				
Station 278+00					Upon Completion	ft						
Offset 33 ft LL					After	Hrs.	(ft) (6") (tsf) (%)					
Ground Surface Elev. 405.0	(ft)	(6")	(tsf)	(%)								
SANDY CLAY AND SILT (A-6)												
CRUSHED ROCK												
FILL: Brown and brownish gray low plastic silty clay, trace sand (A-6)												
Trace clinders												
SILTY CLAY: Brown, low plastic (A-4)												
CLAY: Brown and gray, high plastic, with deposits of brown low plastic silty clay (A-7)												
SANDY SILTY CLAY: Gray, with deposits of gray high plastic clay (A-4)												
SAND: Gray, fine to medium (A-3)												
With fine gravel deposits Started mud rotary at 30 feet.												
Becomes gray												

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

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Ground Surface Elev. 405.0	(ft)	(6")	(tsf)	(%)								
SAND: Gray, fine to medium (A-3) (continued)												
Grades to fine to medium sand												
Grades to fine sand												
Grades to medium sand, trace fine gravel												
Refusal at 116.0 feet with tri-cone bit on limestone.												
Becomes grayish brown fine to medium sand												
Some gravel												
Some wood fragments												
Grades to fine sand												

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DESIGNED -
CHECKED -
DRAWN AJF
CHECKED EML

BORING LOGS
STRUCTURE NO. 082-0038

HORNER & SHIFRIN, INC.
ENGINEERS

SHEET NO. 45	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	312	64-1VBR	ST. CLAIR	259	97
48 SHEETS	CONTRACT NO. 76882				
ILLINOIS FED. AID PROJECT					