

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE FAP 312 (IL 3) DESCRIPTION Structure Boring LOGGED BY SCI
SECTION 64-1VBR LOCATION Bridge crossing UPRR and Prairie Dupont Canal - North of Dupo, SEC., TWP., R
COUNTY St. Clair DRILLING METHOD CME 55 with SA HAMMER TYPE Automatic

STRUCT. NO.	DEPT	UCS	MOIST	Surface Water Elev.	DEPT	UCS	MOIST
Station	W	S	T	ft	W	S	T
082-0030 (existing)							
B-105							
266+10							
40 ft RL							
448.6							
Ground Surface Elev.	(ft)	(%)	(tsf)		(ft)	(%)	(tsf)
FILL: Brown low plastic silty clay, trace sand							
449.1							
FILL: Gray high plastic clay							
445.1							
FILL: Gray low plastic silty clay, some sand layers	4	1.5	20				
429.9							
FILL: Brown low plastic sandy silty clay, some high plastic clay (A-7)	2	0.5	22				
422.8							
SILTY CLAY: Gray, low plastic, some sand (A-6)	2	4	2.2	32			
422.1							
CLAY: Gray, high plastic (A-7)	4						
440.2							
FILL: Gray low plastic clayey silt, some sand	2	2.3	20				
439.1							
FILL: Dark gray high plastic clay, trace sand (A-7)	5	2.8	24				
437.8							
FILL: Gray low plastic clayey silt, some sand (A-4)	2	1.3	24				
437.1							
FILL: Gray low plastic silty clay, some gray high plastic clay (A-7)	5	3.0					
435.4							
FILL: Gray and brown low plastic silty clay, some sand (A-7)	3	1.5	25				
434.3							
FILL: Brown low plastic clayey silt, some sand (A-4)	6	1.0					
432.7							
FILL: Gray low plastic silty clay (A-6)	3		19				
431.6							
FILL: Brown high plastic clay, some sandy silt layers (A-7)	7	1.5	18				
428.6							
SILTY CLAY: Brown and gray, low plastic, trace sand (A-6)	3	2.8	24				
408.6							

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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082-0030 (existing)							
B-105							
289+10							
40 ft RL							
448.6							
Ground Surface Elev.	(ft)	(%)	(tsf)		(ft)	(%)	(tsf)
SAND: Brown, fine (A-3)							
388.6							
SAND: Brownish gray, fine to medium (A-3)							
329.1							
SAND: Reddish brown, fine (A-3)							
320.1							
Started mud rotary at 50 feet							
420.8							
SANDY SILT: Brown, low plastic, some silty clay (A-4)	1						
399.1							
SAND: Grades to medium	11						
388.6							
Becomes brownish gray	9						
388.6							
SAND: Grades to medium to coarse	11						
388.6							

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082-0030 (existing)							
B-105							
286+10							
40 ft RL							
448.6							
Ground Surface Elev.	(ft)	(%)	(tsf)		(ft)	(%)	(tsf)
SAND: Gray, fine to medium (A-3)							
388.6							
SAND: Gray, fine to medium (A-3) (continued)							
321.1							
GRAVEL (A-1)							
311.1							
SAND: Gray, medium to coarse, trace gravel (A-3)							
20							
25							
25							
100							

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Station	W	S	T	ft	W	S	T
082-0030 (existing)							
B-105							
282+10							
40 ft RL							
448.6							
Ground Surface Elev.	(ft)	(%)	(tsf)		(ft)	(%)	(tsf)
SAND: Gray, medium to coarse, trace gravel (A-3) (continued)							
222.1							
Refusal at 156.5 feet with tri-cone bit on limestone.							
20							
25							
25							
140							

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DESIGNED -
CHECKED -
DRAWN AJF
CHECKED EML



SHEET NO. 48 48 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	312	64-1VBR	ST. CLAIR	259	100
			CONTRACT NO. 76882		
ILLINOIS FED. AID PROJECT					

BORING LOGS
STRUCTURE NO. 082-0038