

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 Dupont, SEC. TWP. R
COUNTY St. Clair DRILLING METHOD CME 55 w/HSA HAMMER TYPE Automatic

STRUCT. NO. 082-0030 (existing) Station	D E P T H S	B L O C K S	U C S	M O I S T U R E	Surface Water Elev. ft	D E P T H S	B L O C K S	U C S	M O I S T U R E
BORING NO. B-101 Station 276+20 Offset 40 ft L.L. Ground Surface Elev. 443.8 ft									
CRUSHED ROCK - 2 inches FILL: Brown and gray low plastic silty clay, some sand (A-7)	4	2.3	27		422.3	4	4.0	24	
FILL: Brown low plastic silty clay, some sand (A-6)	4	1.1	31		419.2	3	1.9	30	
FILL: Gray high plastic clay, some sand (A-7)	3	1.3	25		419.2	3	1.3	30	
FILL: Gray low plastic silty clay, some sand (A-6)	3	1.5	19		419.2	3	3.1	29	
FILL: Dark gray high plastic clay, some sand layers (A-7)	3	2.5	24		419.2	4	1.8	29	
FILL: Gray low plastic clayey silt, some sand (A-4)	3	3.0	27		419.2	3	2.2	28	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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SILTY CLAY: Gray, low plastic, some sand (A-6)	2	2.4	33		421.2	2	2.4	33	
CLAY: Gray and brown, high plastic (A-7)	4	1.9	35		399.7	4	1.9	35	
SAND: Gray, fine (A-3)	1	0.6	35		399.7	1	0.6	35	
Grades to fine to medium, trace sand, gravel	2	1.9	35		399.7	2	1.9	35	
Grades to medium to coarse	2	0.6	35		399.7	2	0.6	35	
CLAYEY SILT: Gray, low plastic, some sand (A-4)	0	2	26		397.0	0	2	26	

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BORING NO. B-101 Station 276+20 Offset 40 ft L.L. Ground Surface Elev. 443.8 ft									
SAND: Gray, fine (A-3)	9	17	15		388.8	9	17	15	
Grades to fine to medium, trace sand, gravel	7	8	12		388.8	7	8	12	
Grades to medium to coarse, trace gravel	13	9	15		388.8	13	9	15	

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BORING NO. B-101 Station 276+20 Offset 40 ft L.L. Ground Surface Elev. 443.8 ft									
SAND: Gray, fine (A-3)	12	16	26		361.8	12	16	26	
GRAVEL (A-1)	12	16	26		361.8	12	16	26	
LIMESTONE	12	16	26		293.3	12	16	26	
Refusal at 151 ft with tri-cone bit on limestone.	12	16	26		292.8	12	16	26	

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DESIGNED -
CHECKED -
DRAWN AJF
CHECKED EML



SHEET NO. 44 48 SHEETS	F.A.P. RTE. 312	SECTION 64-1VBR	COUNTY ST. CLAIR	TOTAL SHEETS 259	SHEET NO. 96
	CONTRACT NO. 76882				
ILLINOIS FED. AID PROJECT					

BORING LOGS
STRUCTURE NO. 082-0038