STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

ROUTE .	ois Dep ranspor	ways inc.				DIL BORING LOG Structure Boring L	000	Date	7/21	22/08
						crossing UPRR and Prairie Dupont Canal				
						CME 75 w/HSA HAMMER TYPE				
STRUCT. NO.	(existing) 04 90	D E P T H	B O W S	U C S Qu	M O I S T	Surface Water Elev. ft Stream Bed Elev. ft Groundwater Elev.: First Encounter 4040 ft. Upon Completion ft After Hrs. ft	D E P T H	B L O W S	D C W G	M 0 1 5
ILL: Rubble and soil	416.0	_		_		SILTY CLAY: Brown, low plastic, some sand	_			
FILL: Brown high plastic of prown low plastic sandy cla A-7)	av and	_	8 4 3	3.5 P	25	(A-4) (continued) Started mud rotary at 20 feet.	Ξ	1 0 0	<0.25 P	34
TLL Dark brown low plas		_					_			
A-6) CLAY: Dark brown, high p A-7)		-5	5 6	2.7 S/15	28	392.7 CLAY: Brownish gray, high plastic (A-7).	25	1 2	0.6 B	47
Becomes brown, grades race sand SANDY CLAY: Brown, low		_	4			SANDY SILT: Brown, low plastic (A-4)	_			
A-6) SITLY CLAY: Brown, low p A-4)	lastic	_	2	0.6 S/15	25		_	5	1.5 P	31
SAND: Brown, fine A-3)	409.0		4			SAND: Brown, fine (A-3)	_			
SILTY SAND: Brown, fine	407.2	-10	5	-	12	(0.0)	-30	3 4 6	-	
A-2)	405.2		3 2	<0.25	10	CLAYEY SAND: Gray, fine 385.9 (A-2)	<u> </u>			
SILTY CLAY: Brown, low pome sand A-4)	lastic,	¥.	1	Р			_			
		_	1:	<0.25	36	SAND: Brown, fine to medium (A-3)	_	7 5		-
		-13				Becomes gray	-35			
		4	0 1 0	<0.25 P	37		3			
		\exists					4			
		20	1 2	≺0.25 P	32	Grades to fine gravel Grades to fine sand 377.0	=	7 7 13		

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)

Illinois Dep of Transpoi		nt 1	sc	DIL BORING LOG		-	_	of <u>4</u>
FAP 312 (IL 3) DE	SCRIPTION	N		Structure Boring L	ogg	ED BY	<u> </u>	CI_
SECTION64-1VBR	_ LOCA	TION	Bridge	crossing UPRR and Prairie Dupont Canal	- Nor	th of D	upo, S	EC. TWP.
COUNTYSt. Clair DRILLIN	G METHO	D		ME 75 w/HSA HAMMER TYPE		Auto	matic	-7, ,
STRUCT. NO. <u>082-0090 (existing)</u> Station	D B L P O T W H S	Qu (tsf)	M O I S T (%)	Surface Water Elev. ft Stream Bed Elev. ft Groundwater Elev.: First Encounter 4040 ft. ▼ Upon Completion ft After Hrs. ft	1	B L O S Ø	နှော် မျော	M O I S T
SAND: Brown, fine (A-3)				SAND. Brown, fine to medium (A-3)				
Grades to fine to medium sand, trace fine gravel	6 10 45 13	9		Grades to fine sand	- 65	19 36 29		
Grades to fine sand, no gravel	11 11 50 12	4		Grades to fine to medium sand	_70	10 18 17	2	
Grades to fine to medium sand	11 13 .55 12					16 22 22 22		
357.0	11 12 .60 16	-		Trace fine and coarse gravel	-80	13 13 12	-	

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Illinois Dep of Transpor	WENE	mei ion	nt	sc	OIL BORING LOG		Page	3	of <u>4</u>
ROUTE SCI Engineerin									22/08
FAP 312 (IL 3) DE	SCRI	PTIO	N		Structure Boring	LOGG	ED B	(CL
SECTION64-1VBR	_ 'L	OCA	TION	Bridge	crossing UPRR and Prairie Dupont Ca	nal - Nor	th of D	upo, S	EC., TW
COUNTY St Clair DRILLIN	G ME	THOE	D	c	ME 75 w/HSA HAMMER TY	PE	Auto	matic	
STRUCT. NO. <u>082-0030 (existing)</u> Station	D E P T H	B L O W S	C S	M O I S T	Surface Water Elev. ft Stream Bed Elev. ft Groundwater Elev.: First Encounter 404.0 ft Upon Completion ft	E P T	B L O W S	U C s	M O I S T
Ground Surface Elev. 417.0 ft SAND: Brown, fine to medium (A-3) (continued)	(ft)	(/6")	(tsf)	(%)	After Hrs. ft SAND: Brown, fine to medium (A-3) (continued)	(ft)	(/6")	(tsf)	(%)
	.90	5 16 19 6 12 16 16 16				-110	5 11 17		
	-100	3 7 16 16	-			-120	14 16 19		-

The Unconfined Compressive Strength (UCS) Failure Mode is Indicated by (B-Bulge, S-Shear, P-Penetrometer)
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BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation Dividen of Highways on Engineering, Inc.					DIL BORING	Page <u>4</u> of Date 7/21 22	
ROUTE FAP 312 (IL 3)	DESCR	IPTIO	N		Structure Boring	L	
SECTION64-1VBR	,	OCA	TION	Bridge	crossing UPRR and Prai	rie Dupont Canal	- North of Dupo, SEC
COUNTY St Clair DRILL	ING ME	THO) c	C	ME 75 WHSA	HAMMER TYPE	Automatic
STRUCT. NO. 082-0030 (existing) Station B-104 Station 283+90 Offset 40 ft Lt	D P T H	B L O W S	U.C.S.	M O I S T	Surface Water Elev. Stream Bed Elev. Groundwater Elev.: First Encounter Upon Completion	ft 404.0 ft ▼	-
Ground Surface Elev. 417.0 SAND: Reddish brown, fine	ft (ft)	(/6")	(tsf)	(%)	After Hrs	ft	
(A-3) (continued)							
GRAVEL 29	-125						
Refusal at 125.5 feet with tri-cone bit on limastone.							

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)

DESIGNED CHECKED DRAWN AJF
CHECKED EML

HORNER & SI SHIFRIN, INC. ENGINEERS

SHEET NO. 47

F.A.P. RTE. SECTION COUNTY TOTAL SHEETS

48 SHEETS

T.A.P. RTE. SECTION COUNTY TOTAL SHEETS NO.

312 64-1VBR ST. CLAIR 259 99

CONTRACT NO. 76882