

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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**SOIL BORING LOG**

Date 9/22/08

ROUTE FAI 74 DESCRIPTION P92-002-98 I-74 Bridge over Ophlem Road LOGGED BY W. Garza  
 SECTION 37-4HB, 4HB-1, 4HB-2 D LOCATION Lynn Twp. - 25 S 12 SEC., TWP. 15N, R1G. 1E, PM  
 COUNTY Henry DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO.	D	B	U	M	Surface Water Elev.	D	B	U	M
Station	E	L	C	O	ft	E	L	C	O
BORING NO.	P	O	S	I	ft	P	O	S	I
Station	T	W	S	T	ft	T	W	S	T
Offset	H	S	Qu	T	ft	H	S	Qu	T
Ground Surface Elev.	(ft)	(%)	(tsf)	(%)	ft	(ft)	(%)	(tsf)	(%)
1422+17					82.0				
B-3					718.6				
1422+86					Wash. ft				
2.00ft R1 CL					701.1				
746.1					701.1				
MEDIUM brown SILTY CLAY LOAM		0.5	16		MEDIUM tan/gray dirty SAND				
		P							
					724.10				
SOFT brown LOAM	743.60	2			VERY STIFF gray SILTY CLAY LOAM				
		3	0.3	20					
		P			722.10				
742.10									
STIFF brown SILTY CLAY LOAM		2			VERY STIFF gray CLAY LOAM TILL				
		5	1.0	18					
		P			719.60				
739.60									
VERY STIFF light brown SILTY CLAY LOAM		2			VERY STIFF gray LOAM TILL with SAND lens				
		4	2.3	16					
		B			717.10				
737.10									
HARD gray CLAY LOAM		5			VERY STIFF gray SANDY LOAM TILL with SAND lens				
		7	4.7	22					
		B			714.60				
734.60									
STIFF gray CLAY LOAM		3			HARD gray CLAY LOAM TILL with SAND lens				
		5	1.9	22					
		B			712.10				
732.10									
STIFF gray LOAM		4			VERY STIFF olive-green CLAY LOAM TILL				
		8	1.7	19					
		B			709.60				
729.60									
MEDIUM gray SANDY LOAM		2			HARD gray CLAY LOAM TILL				
		2	0.8	18					
		B			707.10				
726.60									

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)

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Station	E	L	C	O	ft	E	L	C	O
BORING NO.	P	O	S	I	ft	P	O	S	I
Station	T	W	S	T	ft	T	W	S	T
Offset	H	S	Qu	T	ft	H	S	Qu	T
Ground Surface Elev.	(ft)	(%)	(tsf)	(%)	ft	(ft)	(%)	(tsf)	(%)
1422+17					82.0				
B-3					718.6				
1422+86					Wash. ft				
2.00ft R1 CL					701.1				
746.1					701.1				
HARD gray CLAY LOAM TILL		10			VERY STIFF gray CLAY LOAM TILL				
		17	7.4	13					
		B			684.60				
704.60									
VERY STIFF gray CLAY LOAM TILL		5			STIFF gray CLAY LOAM TILL				
		11	3.7	15					
		B			682.10				
702.10									
VERY STIFF gray CLAY LOAM TILL		8			STIFF gray CLAY LOAM TLL with SAND lens				
		10	3.1	16					
		B			679.60				
699.60									
VERY STIFF gray CLAY LOAM TILL		2			VERY STIFF gray CLAY LOAM TILL				
		5	2.1	17					
		B			677.10				
697.10									
VERY STIFF gray CLAY LOAM TILL with SAND lens		5			VERY STIFF gray CLAY LOAM TILL				
		9	2.7	15					
		B			674.60				
694.60									
STIFF gray CLAY LOAM TILL		4			VERY STIFF gray CLAY LOAM TILL				
		7	1.9	17					
		B			672.10				
692.10									
VERY STIFF gray CLAY LOAM TILL		3			VERY STIFF gray CLAY LOAM TILL				
		5	2.3	16					
		B			669.60				
689.60									
STIFF gray CLAY LOAM TILL		4			VERY STIFF gray CLAY LOAM TILL				
		7	1.9	16					
		B			667.10				
687.10									

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Station	T	W	S	T	ft	T	W	S	T
Offset	H	S	Qu	T	ft	H	S	Qu	T
Ground Surface Elev.	(ft)	(%)	(tsf)	(%)	ft	(ft)	(%)	(tsf)	(%)
1422+17					82.0				
B-3					718.6				
1422+86					Wash. ft				
2.00ft R1 CL					701.1				
746.1					701.1				
STIFF gray CLAY LOAM TILL		4							
		6	1.9	20					
		B			664.60				
92308									
VERY STIFF gray CLAY LOAM TILL		5							
		6	3.1	17					
		B			662.10				
662.10									
Wash									
VERY STIFF gray CLAY LOAM TILL		5							
		7	2.3	17					
		B			659.60				
659.60									
Wash									
STIFF green CLAY LOAM TILL		6							
		8	1.9	18					
		B			657.10				
657.10									
VERY STIFF gray CLAY LOAM TILL		7							
		8	2.5	18					
		B			654.60				
654.60									
Wash									
VERY STIFF gray CLAY LOAM TILL		5							
		8	2.3	18					
		B			652.10				
652.10									

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**SOIL BORING LOGS**  
**STRUCTURE NO. 037-0015 (S.B.)**  
**STRUCTURE NO. 037-0016 (N.B.)**

SHEET NO. 29	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	74	37-4HB	HENRY	148	65
30 SHEETS	CONTRACT NO. 64264				
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT					