Illinois Department of Transportation SOIL BORING LOG									Page	1	of <u>1</u>
Division of Highways illinois dot	,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Ų.,							Date	12/	11/12
ROUTE FAP 840 (IL 49) DESCRIPTION IL 49 over a drainage ditch, 0.48 miles north o US 24 at Crescent City								LOGGED BY Larry Myers			
SECTION 137-BR LOCATION SW 1/4, SEC. 32, TWP. 27N, RNG. 13W, 3 rd PM											
COUNTY Iroquois DRILLING METHOD Ho					low Stem Auger	HAMMER TYPE		CME Automatic			
STRUCT. NO. 038-0119 (Exist 1224+00) Station 1224+00 BORING NO. 1 (SE Quad) Station 1224+28 Offset 15.00ft Lt.	<u> </u>	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev Stream Bed Elev Groundwater Elev.: First Encounter Upon Completion	622.73 ft ft	D E P T H	B L O W S	U C S Qu	M O I S T
Ground Surface Elev. 634.91	ft	(ft)	(/6")	(tsf)	(%)	After Hrs.	ft	(ft)	(/6")	(tsf)	(%)
Augered Hot Mix Asphalt Shoulder, Black and Brown Silty		_				Hard to Very Stiff Gray (continued)	Clay Till.	_	5 7	4.8	19.9
Clay Loam Fill.		_				(sonimos)			9	\$.0	19.9
	632.41										
Very Stiff to Stiff, Brown and Gray	032.41		3						4		
Silty Clay Loam Fill and Black Silty Clay Fill.		_	3	3.5 P	25.2			_	4 5	4.0 B	23.8
		_									
		-5	2					-25	4		
			2	2.0 P	22.5				4	4.0	23.6
		_	3	Р				_	5	В	
			2						4		
		_	2	2.0	28.1			_	4	4.0	23.8
Very Stiff Gray and Brown Silty	625.91		3	Р				_	5	В	
Clay.		-10						-30			
		_	3	3.1	25.9				4	3.7	23.8
		_	4	S	20.0				4	В	20.0
Very Stiff to Hard Gray Clay with	622.91										
Traces of Silt and Silty Clay Layers.			4					_			
Layers.		_	5 7	4.1 S	25.5			_			
		_	Ė								
		-15	4					-35	4		
			5	3.7	27.4				5	3.9	23.2
	617.91	_	6	S		End of Boring	598.4	1	5	В	
Very Stiff to Hard Gray Silty Clay / Silty Clay Loam with Silt Pockets.											
Siny Gray Loant with Sin Pockets.		_	5	3.5	19.4			_			

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) BBS, form 137 (Rev. 8-99)

615.41

Hard to Very Stiff Gray Clay Till.



SOIL BORING LOG

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Date __12/11/12_ ROUTE FAP 840 (IL 49) DESCRIPTION IL 49 over a drainage ditch, 0.48 miles north of US 24 at Crescent City LOGGED BY Larry Myers
 SECTION
 137-BR
 LOCATION
 SE 1/4, SEC. 31, TWP. 27N, RNG. 13W, 3rd PM
 | STRUCT. NO. | 038-0119 (Exist) | Station | 1224+00 | PO | Station | 1224+00 | PO | Station | 1223+70 | Hollow Stem Auger | HAMMER TYPE |

| BORING NO. | 2 (NW Quad) | PO | Station | 1223+70 | Hollow Stem Bed Elev. | 623,23 | ft | Stream Bed Elev. | 622,63 | ft | Stream Bed Elev. | 622,63 | ft | First Encounter | Dry | ft | Ground Surface Elev. | 634,98 | ft | (ft) (/6") (tsf) (%) | After Hrs. | ft | Hard Gray Silty Clay Till. | Continued) COUNTY ____Iroquois ____ DRILLING METHOD _____ Hollow Stem Auger ____ HAMMER TYPE ___ CME Automatic D B U M E L C O P O S I T W S H S Qu T 9 6.1 18.4 Very Stiff Black Silty Clay Loam Topsoil. 4 3 2.5 26.1 3 P 4 4.1 20.3 6 B Very Stiff Brown and Gray Silty Clay Loess. 5 4.4 20.9 7 B 3 2.0 22.4 Very Stiff to Hard Brown and Gray Silty Clay. 6 4.4 20.6 4 5 4.0 20.7 6 B 5 4.7 23.6 7 S Very Stiff to Hard Gray Clay with Minor Silt. 3 3.9 27.2 Hard Gray Silty Clay Till. 6 5.1 22.8 8 S

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)

BRS form BBS, form 137 (Rev. 8-99)

FILE NAME = USER NAME = DESIGNED - CJB REVISED CHECKED - CCF REVISED PLOT SCALE = DRAWN CCF REVISED PLOT DATE = CHECKED - CJB REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

COUNTY TOTAL SHEET NO.

IROOUOIS 24 18 SECTION SOIL BORING LOGS 840 137-BR **STRUCTURE NO. 038–2026** CONTRACT NO. 66B92 SHEET NO. 5 OF 5 SHEETS