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SOIL BORING LOG										PAGE 1 of 2	
ROUTE <u>FAI Rte. 1199</u> DESCRIPTION <u>I-94 Interchange &amp; Bridge Reconstruction, IDOT Job# D-91-019-11</u>										DATE <u>6/29/2011</u>	
SECTION <u>49-1(HB&amp;HB-1)R</u> LOCATION <u>Newport Township, Sections 4 &amp; 9, T 46 N, R 11 E, 3rd PM</u>										LOGGED BY <u>DR</u>	
COUNTY <u>Lake</u> DRILLING METHOD <u>Hollow Stem Auger/Rotary</u> HAMMER TYPE <u>CME Automatic</u>										GSI JOB No. <u>10193</u>	
STRUCT. NO. <u>049-0078</u>			Surface Water Elev. <u>n/a</u>			D			B		
Station <u>14+13</u>			Stream Bed Elev. <u>n/a</u>			E			L		
BORING NO. <u>SB-07</u>			Groundwater Elevation:			P			O		
Station <u>14+72</u>			First Encounter <u>720.9</u>			T			S		
Offset <u>69' Right</u>			Upon Completion <u>n/a</u>			H			W		
Ground Surface Elev. <u>729.9</u>			After _____ Hrs.			S			Q		
	(ft)	(/6")	(tsf)	(%)		(ft)	(/6")	(tsf)	(%)		
8.0" ASPHALT, 4.0" SAND & GRAVEL 728.9											
CLAY LOAM-dark brown & gray-medium dense (Fill) 726.9											
CLAY-gray-stiff to very stiff (A-6) 701.9											
CLAY LOAM-dark brown & gray-very stiff to hard (A-6) 720.9											
Clayey SAND & GRAVEL-brown & gray-medium dense (A-2) 719.4											
CLAY-gray-medium stiff to stiff (A-6) Wet 672.9											
CLAY-gray-stiff to very stiff (A-6) 100											

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%) NR-No Recovery

SOIL BORING LOG										PAGE 2 of 2	
ROUTE <u>FAI Rte. 1199</u> DESCRIPTION <u>I-94 Interchange &amp; Bridge Reconstruction, IDOT Job# D-91-019-11</u>										DATE <u>6/29/2011</u>	
SECTION <u>49-1(HB&amp;HB-1)R</u> LOCATION <u>Newport Township, Sections 4 &amp; 9, T 46 N, R 11 E, 3rd PM</u>										LOGGED BY <u>DR</u>	
COUNTY <u>Lake</u> DRILLING METHOD <u>Hollow Stem Auger/Rotary</u> HAMMER TYPE <u>CME Automatic</u>										GSI JOB No. <u>10193</u>	
STRUCT. NO. <u>049-0078</u>			Surface Water Elev. <u>n/a</u>			D			B		
Station <u>14+13</u>			Stream Bed Elev. <u>n/a</u>			E			L		
BORING NO. <u>SB-07</u>			Groundwater Elevation:			P			O		
Station <u>14+72</u>			First Encounter <u>720.9</u>			T			S		
Offset <u>69' Right</u>			Upon Completion <u>n/a</u>			H			W		
Ground Surface Elev. <u>729.9</u>			After _____ Hrs.			S			Q		
	(ft)	(/6")	(tsf)	(%)		(ft)	(/6")	(tsf)	(%)		
CLAY-gray-medium stiff to stiff (A-6) Wet 105											
CLAY-gray-stiff (A-6/A-7) Wet 90											
End Of Boring @ -80.0 Hollow Stem Augers To -10.0' Rotary Drilling To Completion 10.0' Of 4.0" Casing Used CME Automatic Hammer 649.9 -80 7 1.8B 27											

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SOIL BORING LOG										PAGE 1 of 1	
ROUTE <u>FAI 94</u> DESCRIPTION <u>I-94 Interchange &amp; Bridge Reconstruction, IDOT Job# D-91-019-11</u>										DATE <u>7/8/2011</u>	
SECTION <u>49-1(HB&amp;HB-1)R</u> LOCATION <u>Newport Township, Sections 4 &amp; 9, T 46 N, R 11 E, 3rd PM</u>										LOGGED BY <u>RJ</u>	
COUNTY <u>Lake</u> DRILLING METHOD <u>Hollow Stem Auger/Rotary</u> HAMMER TYPE <u>CME Automatic</u>										GSI JOB No. <u>10193</u>	
STRUCT. NO. <u>049-0078 &amp; 049-0089</u>			Surface Water Elev. <u>n/a</u>			D			B		
Station <u>14+13</u>			Stream Bed Elev. <u>n/a</u>			E			L		
BORING NO. <u>SB-07A</u>			Groundwater Elevation:			P			O		
Station <u>14+95</u>			First Encounter <u>Dry</u>			T			S		
Offset <u>66' Right</u>			Upon Completion <u>Dry</u>			H			W		
Ground Surface Elev. <u>731.6</u>			After _____ Hrs.			S			Q		
	(ft)	(/6")	(tsf)	(%)		(ft)	(/6")	(tsf)	(%)		
3.0" TOPSOIL-black 731.6											
CLAY LOAM-brown & gray-very stiff to hard (A-6) 723.6											
Auger Refusal @ -8.0' End Of Boring Hand Auger 649.9 -80 7 1.8B 27											

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BOWMAN, BARRETT & ASSOCIATES INC. CONSULTING ENGINEERS Chicago, Illinois 312.228.0100 www.bbandainc.com



FILE NAME =	USER NAME =	DESIGNED - MRM	REVISED -
		CHECKED - TL	REVISED -
		PLOT SCALE =	REVISED -
		PLOT DATE =	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS IV STRUCTURE NO. 049-0534 SHEET NO. S-31 OF S-31 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1199	49-1(HB & HB-1)R	LAKE	225	178
CONTRACT NO. 60L76				