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Illinois Department of Transportation
Division of Highways
SOIL BORING LOG

ROUTE Bypass 20, FAP 301 DESCRIPTION P92-075-08 US Bypass 20 Bridge over Rock River Channel, 5 m. E. of IL 2 LOGGED BY W. Garza Date 25-08

SECTION 3.41R LOCATION Rockford Twp. - 10 NE. SEC., TWP. 43N, RNG. 1E

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. 101-0057 & 0058 Station 483+55

BORING NO. B-1 Station 492+62 Offset 69.09ft Lt. Cl.

Ground Surface Elev. 691.2 ft (ft) (6") (ft) (%)

Description	Depth (ft)	D (ft)	R (%)	U (%)	M (%)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter Upon Completion After (Hrs.)	Wash (ft)	D E P T H S						
											(ft)	(6")	(ft)	(%)			
SOFT brown SILTY CLAY LOAM with 12RGANCS				0.3	36						670.20	5	9				
VERY STIFF brown SILTY CLAY LOAM	689.20			3	29							3	3				
	687.70			4	P						687.70	9					
MEDIUM dark gray SANDY LOAM				2								5	5				
	684.20			2	0.8						665.20	7					
No Recovery				2								5	6				
	682.70			4							682.70	11					
VERY LOOSE gray SAND & GRAVEL				3								9	11				
	680.20			2							680.20	15					
VERY LOOSE gray SAND & GRAVEL				3								4	6				
	677.70			1							677.70	10					
MEDIUM gray SAND & GRAVEL				4								4	7				
	675.20			5							655.20	12					
Wash MEDIUM tan clean medium coarse SAND				4								6	10				
	672.70			6							652.70	11					
				10													
				4								7					

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)

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											(ft)	(6")	(ft)	(%)			
Wash MEDIUM tan SANDY GRAVEL (continued)	650.20										10	15					
Wash MEDIUM tan clean medium coarse SAND	647.70										8	10					
Wash MEDIUM tan clean medium coarse SAND	645.20										4	8					
											26	16					
Wash DENSE tan clean medium coarse SAND with medium GRAVEL	642.70										13	16					
											20						
Wash DENSE tan clean medium coarse SAND	640.20										9	14					
											30	21					
Borehole continued 20808																	
Wash DENSE tan clean medium coarse SAND with medium GRAVEL	637.70										23	22					
											33	10					
Wash VERY DENSE tan clean medium coarse SAND with medium GRAVEL	635.20										30	34					
											35						
Wash VERY DENSE tan SANDY GRAVEL	632.70										33	36					
											23						
End of Boring																	

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BBS, form 137 (Rev. 8-99)

Existing Sta. 483+58.69 = New Sta. 922+44.69

DESIGNED -	EXAMINED	DATE - OCTOBER 4, 2013	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS STRUCTURE NO. 101-0195 (E.B.) & 101-0196 (W.B.)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED -	PASSED	REVISED			301	3BR & 3BR-1	WINNEBAGO	290	149
DRAWN -	ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED			CONTRACT NO. 64019				
CHECKED -	ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED			SHEET NO. 50 OF 55 SHEETS				

ILLINOIS FED. AID PROJECT