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Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 5/20/08

ROUTE Bypass 20, FAP 301 DESCRIPTION P92-075-08 US 20, 7 m. E. of IL 2 LOGGED BY J. Stratton

SECTION (3, 4) R LOCATION Rockford Twp. - 11 NW SEC., TWP. 43N, R9G. 1E

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. 101-0197 & 0198
Station 492+30

BORING NO. B-4b
Station 494+30
Offset 5,00ft. L1 CL
Ground Surface Elev. 709.7 ft (ft) (ft) (ft) (%)

SOIL DESCRIPTION	DEPTH (ft)	SOIL TYPE	DEPTH (ft)	SOIL TYPE
LOOSE brown dirty medium SAND with GRAVEL	0 - 3	MEDIUM tan-brown dirty SAND & GRAVEL	0 - 3	
	3 - 7		3 - 7	
	7 - 12		7 - 12	
DENSE brown dirty medium SAND with GRAVEL	12 - 16	LOOSE brown dirty SAND & GRAVEL	12 - 16	
	16 - 17		16 - 17	
	17 - 25		17 - 25	
MEDIUM tan SAND & GRAVEL	0 - 6	LOOSE tan SAND & GRAVEL	0 - 4	
	6 - 7		4 - 5	
	7 - 7		5 - 5	
	7 - 6		5 - 4	
MEDIUM brown dirty SAND & GRAVEL	6 - 5	MEDIUM brown SAND & GRAVEL	5 - 8	
	5 - 30		8 - 30	
MEDIUM dark gray SANDY LOAM	4 - 6	Wash MEDIUM tan SAND & GRAVEL	7 - 6	
	6 - 5		6 - 5	
	5 - 2		5 - 2	
	2 - 2		2 - 8	
LOOSE dark gray dirty medium SAND	2 - 2	MEDIUM tan SAND & GRAVEL	8 - 7	
	2 - 30		7 - 30	
	30 - 1		30 - 7	
MEDIUM dark gray SANDY LOAM	1 - 3	MEDIUM tan-gray SAND & GRAVEL	7 - 4	
	3 - 0.5		4 - 5	
	0.5 - 1.8		5 - 10	
	1.8 - 4		10 - 8	
STIFF gray SILT with SAND Inses	0 - 1	MEDIUM tan SAND & GRAVEL	8 - 6	
	1 - 4		6 - 10	
	4 - 20		10 - 20	

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

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SOIL DESCRIPTION	DEPTH (ft)	SOIL TYPE	DEPTH (ft)	SOIL TYPE
MEDIUM tan medium SAND with GRAVEL	4 - 6	Wash MEDIUM tan SAND & GRAVEL	5 - 5	
	6 - 10		5 - 14	
	10 - 10		14 - 14	
	10 - 66.70		14 - 64.70	
	66.70 - 66.70		64.70 - 64.70	
	66.70 - 45		64.70 - 65	
Wash DENSE tan medium SAND	11 - 16	Wash MEDIUM tan SAND & GRAVEL	3 - 7	
	16 - 21		7 - 11	
	21 - 66.70		11 - 64.70	
	66.70 - 66.70		64.70 - 64.70	
	66.70 - 50		64.70 - 70	
Wash MEDIUM tan SAND & GRAVEL	6 - 11	Wash DENSE tan medium SAND	11 - 17	
	11 - 15		17 - 31	
	15 - 65.70		31 - 63.70	
	65.70 - 65.70		63.70 - 63.70	
	65.70 - 55		63.70 - 75	
Wash MEDIUM tan SAND & GRAVEL	3 - 7	Wash DENSE tan SAND & GRAVEL	9 - 21	
	7 - 11		21 - 24	
	11 - 65.70		24 - 63.20	
	65.70 - 65.70		63.20 - 63.20	
	65.70 - 60		63.20 - 80	
	60 - 65.70		80 - 80	

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The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) 8BS, form 137 (Rev. 8-99)

Existing Sta. 492+33.69 = New Sta. 931+19.69

DESIGNED -	EXAMINED - <u>Jayne F. [Signature]</u>	DATE - OCTOBER 4, 2013	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS STRUCTURE NO. 101-0197 (E.B.) & 101-0198 (W.B.)	F.A.P. RTE. <u>301</u>	SECTION <u>3BR & 3BR-1</u>	COUNTY <u>WINNEBAGO</u>	TOTAL SHEETS <u>290</u>	SHEET NO. <u>225</u>	
CHECKED -	PASSED - <u>[Signature]</u>	REVISED -			CONTRACT NO. 64D19					
DRAWN -	ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED -			ILLINOIS FED. AID PROJECT					
CHECKED -					SHEET NO. 50 OF 50 SHEETS					