



### SOIL BORING LOG

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Date 6/28/10

ROUTE I-270 DESCRIPTION I-270 CORC Retaining Wall LOGGED BY IK

SECTION 60-1B-1 LOCATION SEC.29\_TWP.4N\_RNG.9W\_PM

COUNTY Madison DRILLING METHOD HSA/Mud Rotary HAMMER TYPE Automatic

STRUCT. NO. Station	D E P T H	B L O C K	U C S	M O I S T U R E	Surface Water Elev.		D E P T H	B U L G E	S - S H E A R	P - P E N E T R O M E T E R
					ft	ft				
BORING NO. RT-7 Station 3+00 Offset 25.00ft South Ground Surface Elev. 422.8 ft					414.3 ft	N/A ft				

TOPSOIL	ft	(ft)	(ft)	(%)	ft	(ft)	(tsf)	(%)
Brown Fine SAND, Trace Silt	421.78	3			6			
Brown SILTY SAND	419.28	5	23		5			
Gray-brown Lean CLAY	417.28	1	33		14			
Brown Fine to Medium SAND, with Silt	414.78	2			15			
Brown Fine to Coarse SAND, Trace Silt and Gravel	394.28	8			11			
Brown Fine to Medium SAND, Trace Silt	391.78	3			11			
Gray-brown Lean CLAY, with Sand	389.28	1	35		8			
Gray-brown SANDY SILT	406.78	2			7			
Brown Fine to Medium SAND, Trace Silt	404.78	4			6			

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, from 137 (Rev. 8-99)



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					ft	ft				
BORING NO. RT-7 Station 3+00 Offset 25.00ft South Ground Surface Elev. 422.8 ft					414.3 ft	N/A ft				

TOPSOIL	ft	(ft)	(ft)	(%)	ft	(ft)	(tsf)	(%)
Gray Fine to Coarse SAND, Trace Silt (continued)	351.78	5			5			
Gray Fine to Medium SAND, Trace Silt		11			7			
Gray Fine to Coarse SAND, with Gravel	359.28	3			13			
Brown Fat CLAY	414.40	1	0.25	36	10			
Brown SAND, Trace Silt and Gravel	412.40	2			7			
Brown SILTY SAND	408.90	1	36		9			
Gray Fine to Coarse SAND, Trace Silt and Gravel	369.28	9			14			
Gray Fine to Coarse SAND, Trace Silt	347.78	2			17			
Gray Fine to Medium SAND, Trace Silt	364.28	13			15			

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					ft	ft				
BORING NO. RT-8 Station 3+50 Offset 0.00ft Ground Surface Elev. 420.4 ft					412.4 ft	N/A ft				

TOPSOIL	ft	(ft)	(ft)	(%)	ft	(ft)	(tsf)	(%)
Brown SILTY SAND	419.40	2	15		6			
Brown Fat CLAY	414.40	1	0.25	36	10			
Brown SAND, Trace Silt and Gravel	412.40	2			7			
Brown SILTY SAND	408.90	1	36		9			
Brown Fine SAND, Trace Silt	399.40	5			10			
Gray Fine SAND, Trace Silt	396.90	6			8			
Gray Fine to Coarse SAND, Trace Silt and Gravel	384.40	3			6			
Brown Fine SAND, Trace Silt	402.40	6			5			

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					ft	ft				
BORING NO. RT-8 Station 3+50 Offset 0.00ft Ground Surface Elev. 420.4 ft					412.4 ft	N/A ft				

TOPSOIL	ft	(ft)	(ft)	(%)	ft	(ft)	(tsf)	(%)
Gray Fine to Medium SAND, Trace Silt and Gravel (continued)	379.40	7			7			
Gray Fine to Coarse SAND, Trace Silt		6			6			
Gray Fine to Coarse SAND, Trace Silt and Gravel	378.90	9			4			
Gray Fine SAND, Trace Silt	374.40	10			14			
Gray Fine SAND, Trace Silt and Gravel	371.90	7			13			
Gray Fine to Coarse SAND, Trace Silt and Gravel	366.90	11			7			
Gray Fine to Coarse SAND, Trace Silt and Gravel	345.40	12			15			

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BBS, from 137 (Rev. 8-99)

FILE NAME = 060W008-76A91-011-Soil_Borings.dgn	USER NAME = jehrhart	DESIGNED - JCE	REVISED -
	PLOT SCALE = 1:0.0033333	CHECKED - PMH	REVISED -
	PLOT DATE = 3/18/11	DRAWN - AMV	REVISED -
		CHECKED - JCE	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-1B-1	MADISON	712	523
CONTRACT NO. 76A91			ILLINOIS FED. AID PROJECT	