



SOIL BORING LOG

Page 1 of 2

Date 7/8/10

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

SECTION 60-1B-1 LOCATION SEC.29, TWP. 4N, RNG. 9W, PM

COUNTY Madison DRILLING METHOD HSA/Mud Rotary HAMMER TYPE Automatic

STRUCT. NO.	D	B	U	M	Surface Water Elev.	ft	D	B	U	M
Station	E	L	C	O	Stream Bed Elev.	ft	P	O	S	I
BORING NO.	T	W	S	Q	Groundwater Elev.	ft	T	W	S	Q
Station	H	S	Q	T	First Encounter	408.8 ft	H	S	Q	T
Offset					Upon Completion	N/A ft				
Ground Surface Elev.	415.8 ft	(ft)	(ft)	(tsf)	After	N/A Hrs.	N/A ft	(ft)	(ft)	(tsf)

Brown Lean CLAY, Trace Sand	1	0.75	24		394.78	5				
	2					7				
	2					9				
Brown SILT, with Sand Wet Density=118.3, Gpcf, Dry Density=90.0pcf		0.4	32		392.28	4				
						7				
						8				
Gray SILT, Trace Sand					389.78	5				
						8				
						9				
Gray SANDY SILT					387.28	3				
						3				
						4				
						7				
						8				
						7				
Gray-brown SILTY SAND					392.28	4				
						6				
						11				
						30				
Brown Fine to Medium SAND, Trace Silt					399.78	4				
						5				
						7				
						10				
Sand=97.6%, Silt=2.4%, Gravel=0.0%					377.28	6				
						11				
						13				

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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STRUCT. NO.	D	B	U	M	Surface Water Elev.	ft	D	B	U	M
Station	E	L	C	O	Stream Bed Elev.	ft	P	O	S	I
BORING NO.	T	W	S	Q	Groundwater Elev.	ft	T	W	S	Q
Station	H	S	Q	T	First Encounter	408.8 ft	H	S	Q	T
Offset					Upon Completion	N/A ft				
Ground Surface Elev.	415.8 ft	(ft)	(ft)	(tsf)	After	N/A Hrs.	N/A ft	(ft)	(ft)	(tsf)

Gray Fine SAND, with Gravel, Trace Silt (continued)					374.78	4				
						11				
						12				
Gray Fine to Coarse SAND, Trace Gravel					352.28	8				
						10				
						12				
Gray-brown Fine to Coarse SAND, with Gravel, Trace Silt					369.78	4				
						4				
						6				
Gray-brown Fine to Coarse SAND, with Silt, Gravel					367.28	8				
						6				
						9				
						9				
						9				
Gray Fine to Coarse SAND					342.28	6				
						7				
						9				
						11				
						13				
Gray Fine to Medium SAND, Trace Silt, Gravel					340.78	7				
						8				
						8				
						9				
						11				
						13				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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Date 7/16/10

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

SECTION 60-1B-1 LOCATION SEC.29, TWP. 4N, RNG. 9W, PM

COUNTY Madison DRILLING METHOD HSA/Mud Rotary HAMMER TYPE Automatic

STRUCT. NO.	D	B	U	M	Surface Water Elev.	ft	D	B	U	M
Station	E	L	C	O	Stream Bed Elev.	ft	P	O	S	I
BORING NO.	T	W	S	Q	Groundwater Elev.	ft	T	W	S	Q
Station	H	S	Q	T	First Encounter	405.0 ft	H	S	Q	T
Offset					Upon Completion	N/A ft				
Ground Surface Elev.	416.0 ft	(ft)	(ft)	(tsf)	After	N/A Hrs.	N/A ft	(ft)	(ft)	(tsf)

Gray SANDY SILT					394.99	5				
						6				
						9				
Gray Lean CLAY					392.49	6				
						9				
						8				
Gray-brown SILT, with Sand					399.99	8				
						7				
						8				
Gray-brown SANDY SILT					397.49	4				
						6				
						7				
						7				
						10				
Brown SILTY SAND					402.49	4				
						6				
						11				
						11				
						11				
Brown Fine to Medium SAND, Trace Silt					379.99	3				
						7				
						11				
Sand=98.4%, Silt=1.6%, Gravel=0.0%					377.49	7				
						7				
						10				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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STRUCT. NO.	D	B	U	M	Surface Water Elev.	ft	D	B	U	M
Station	E	L	C	O	Stream Bed Elev.	ft	P	O	S	I
BORING NO.	T	W	S	Q	Groundwater Elev.	ft	T	W	S	Q
Station	H	S	Q	T	First Encounter	406.0 ft	H	S	Q	T
Offset					Upon Completion	N/A ft				
Ground Surface Elev.	416.0 ft	(ft)	(ft)	(tsf)	After	N/A Hrs.	N/A ft	(ft)	(ft)	(tsf)

Gray Fine SAND, with Silt (continued)					374.99	5				
						7				
						13				
Gray Fine to Coarse SAND, Trace Gravel					372.49	5				
						9				
						12				
Gray Fine to Coarse SAND, Trace Silt					352.49	6				
						11				
						18				
Sand=98.7%, Silt=1.3%, Gravel=0.0%					367.49	4				
						4				
						7				
Gray Medium to Coarse SAND, Trace Gravel					347.49	9				
						6				
						8				
						12				
						16				
						16				
Gray Fine to Medium SAND, with Gravel					342.49	6				
						12				
						15				
						15				
Gray Medium SAND, Trace Gravel					357.49	5				
						7				
						7				
						10				

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FILE NAME = 060W008-76A91-016-Soil.Borings.dgn	USER NAME = jehrhart	DESIGNED - JCE	REVISED -
PLOT SCALE = 1:0.0833333	DRAWN - AMV	CHECKED - PMH	REVISED -
PLOT DATE = 3/18/11	CHECKED - JCE	DRAWN - AMV	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS STRUCTURE NO. 060-W008

SHEET NO. 16 OF 19 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-1B-1	MADISON	712	528
CONTRACT NO. 76A91			ILLINOIS FED. AID PROJECT	