

MET BRIDGE FOUNDATION SOIL BORING LOG

Midwest Engineering and Testing, Inc.
501 Mercury Drive
Champaign, Illinois 61822
217-359-2128

Route: County Highway 6 / Perrysville Road
Section: 09-00171-00-BR
County: Vermilion County
Structure No. 092-0085
Station: 10+95'
Offset: 6' Lt.

Boring: B-1
Page: Page 1 of 1
Date of Boring: June 15 & 16, 2010
Drilled By: Steve Turner
Checked By: Daniel E. Tappendorf, P.E.
MET Project No: 1-03048

Surface Water Elevation: 544.5 ft Ground Water Elevation: when drilling: 539.5 ft. at completion: 542.5 ft.	DEPTH (ft.)	BLOW COUNTS (6")	Q _u (tsf)	MC (%)	Soil Description	DEPTH (ft.)	BLOW COUNTS (6")	Q _u (tsf)	MC (%)
Ground Surface Elevation: 559.5 ft.					3" Asphalt				
					17" Concrete				
					Brown medium to coarse SAND (SP) EL: 531.5 ft.				
		2		16	Gray clayey SILT (ML); EL: 526.5 ft.	30	3	1.3S	20
		12					9		
		19					16		
		5		12	Brown medium to coarse SAND (SP) EL: 526.5 ft.				
		5							
		5							
		4		11	Brown medium to coarse SAND (SP) EL: 550.0 ft.				
		4							
		5							
		10		18	Brown clayey SAND (SC) EL: 547.5 ft.				
		4							
		6							
		1	0.9S	18	Gray clayey SILT (ML); Weathered Shale EL: 545.0 ft.				
		2							
		3							
		3		23	Gray clayey SAND (SC) EL: 542.5 ft.				
		7							
		10							
		5		12	Brown medium to coarse SAND (SP) EL: 513.0 ft.				
		6							
		7							
		20		11	End of Boring at 46.5 ft.				
		3							
		7							
		8			Brown medium to coarse SAND (SP) EL: 513.0 ft.				
		25							
		3		11					
		8							
		14							

N - Standard Penetration Test (SPT) = Sum of last two blow values in sample
MC - Moisture Content - Percent of dry weight
Qu - Unconfined Compressive Strength - tons per square foot (tsf)

Type Failure: B - Bulge, S - Shear, P - Penetrometer
Qu test

BORING B-1

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Route: County Highway 6 / Perrysville Road
Section: 09-00171-00-BR
County: Vermilion County
Structure No. 092-0085
Station: 9+00'
Offset: 6' RL

Boring: B-2
Page: Page 1 of 1
Date of Boring: June 16, 2010
Drilled By: Steve Turner
Checked By: Daniel E. Tappendorf, P.E.
MET Project No: 1-03048

Surface Water Elevation: 544.5 ft Ground Water Elevation: when drilling: 539.5 ft. at completion: 542.5 ft.	DEPTH (ft.)	BLOW COUNTS (6")	Q _u (tsf)	MC (%)	Soil Description	DEPTH (ft.)	BLOW COUNTS (6")	Q _u (tsf)	MC (%)
Ground Surface Elevation: 559.5 ft.					3" Asphalt				
					12" Concrete				
					Brown clayey SAND (SC) EL: 555.0 ft.				
		7		13	Brown medium to coarse SAND (SP); EL: 526.5 ft.	30	7		12
		9					9		
		19					19		
		3	0.6B	11	Brown sandy CLAY (SC) EL: 542.5 ft.				
		5							
		5							
		4	1.4B	19	Gray clayey SILT (ML); Weathered Shale EL: 542.5 ft.				
		3							
		4							
		2		21	Brown sandy CLAY (SC) EL: 542.5 ft.				
		2							
		3							
		2	0.7B	21	Gray clayey SILT (ML); Weathered Shale EL: 542.5 ft.				
		2							
		3							
		3	0.7B	17	Brown sandy CLAY (SC) EL: 542.5 ft.				
		5							
		4							
		4		12	Brown medium to coarse SAND (SP) EL: 542.5 ft.				
		8							
		7							
		14		9	End of Boring at 46.5 ft.				
		19							
		17							
		25			Brown medium to coarse SAND (SP) EL: 542.5 ft.				
		9							
		11							
		8		11					

N - Standard Penetration Test (SPT) = Sum of last two blow values in sample
MC - Moisture Content - Percent of dry weight
Qu - Unconfined Compressive Strength - tons per square foot (tsf)

Type Failure: B - Bulge, S - Shear, P - Penetrometer
Qu test

BORING B-2