

BRIDGE FOUNDATION SOIL BORING LOG
midwest engineering services, inc.

Route: Winter Avenue
 Section: Vermilion
 County: Vermilion
 Structure No.: CSX 1216
 Station: 4+60
 Offset: 10' Left

Boring: BB-2
 Page: 1 of 2
 Date of Boring: 9-13-02
 Drilled By: Roger Burton
 Checked By: Daniel E. Tappendorf, P.E.
 MES Project No: 1-23038

Ground Water Elevation: when drilling: 602.0 FT. at completion: 606.0 FT.	D E P T H (ft.)	B L O W S (6")	Q _u (tsf)	MC (%)	Soil Description	D E P T H (ft.)	B L O W S (6")	Q _u (tsf)	MC (%)	
Ground Surface Elevation: 616.0 FT.					10' Dark brown silty CLAY with sand and small gravel (OL), Fill				6	
		4			Dark brown fine clayey SAND with brick fragments (SP-SC) Fill	30				
	4	4		22			4	6	3.8P	9
	3						8			
	5	2			Dark brown sandy CLAY (CL), Fill	35				
	3	3		12			7	7	5.4B	9
	4						9			
EL. 609.0 FT.					Dark brown silty CLAY (CL), Fill	40				
	3	2		19			4	3	3.0P	10
	2						5			
EL. 606.5 FT.					Gray silty CLAY with sand and small gravel (CL), Till	45				
	1	1	1.5P	25			5	7	1.2B	11
	2						9			
EL. 604.0 FT.					Gray silty CLAY with sand and small gravel (CL), Till	50				
	4	8	7.8B	10			10	7	1.0P	13
	9						9			
	15	5	5	6	No Recovery @ 17.5- 19 ft.	55				
	5	5	4.8B	11			7			
	6						9			
	20	2	4	6	continued next page	60				
	4	4	4.0B	9			7			
	6						9			
	25	3	4	7		75				
	5	7	4.6B	9		7				
	6									

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
 Qu test
 B-Bulge
 S-Shear
 P-Penetrometer

Note: Boring BB-2 was drilled to 51.5 ft depth on 9-13-02 and was extended down to 81.5 ft depth on 1-6-03

Soil Boring BB-2 Sta. 4+60, 10' Left = Sta. 105+16.01, 8.9' Left (For Boring Location only)

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 Page: 2 of 2
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 Drilled By: Roger Burton
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 MES Project No: 1-23038

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Ground Surface Elevation: 616.0 FT.					Gray silty CLAY with sand and small gravel (CL), Till					
		3	4	6	Gray fine to medium SAND (SP) Wet	80				
	1.2		11				3	7		13
EL. 563.0 FT.							10			
	55	6	7	9	END OF BORING AT 81.5 FEET	85				
				12			8			
EL. 534.5 FT.							10			
	60	3	4	15	Gray fine to medium SAND (SP) Wet	90				
				14			11			
	65	4	5	11			11			
	70	3	7	9	continued next page	95				
				14			7			
	75	4	4	7			7			

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BORING LOGS - BB-2

Date	Designed MJP	CSX TRANSPORTATION R.R. OVER WINTER AVE. MP OZA 121.6 SECTION 99-00209-01-PV CITY OF DANVILLE, IL VERMILION COUNTY STA. 5527+59.81 PROP. STR. NO. 092-6039	Sheet No.
Revisions	Drawn BKN		24
	Checked KWB		
	Approved KWB		
Prepared by:	URS 345 East Ash Avenue, Suite B Decatur, IL 62526		of 24 URS Job No. 36430866