

B-1

Station 153+40, 0' Rt
Ground Surface Elev. = 490.0±

BRIDGE FOUNDATION SOIL BORING LOG

MET Midwest Engineering and Testing, Inc.

Route: City of Newton Bike Trail over Embarras River
Section: 10-00045-00-BT
County: Jasper
Structure No. Not Available
Station: 10 ft. north of north abutment
Offset: At Centerline

Boring: B-1
Page: Page 1 of 1
Date of Boring: February 13, 2012
Drilled By: Zach Wilcoxon
Checked By: Daniel E. Tappendorf, P.E.
MET Project No: 23016

Surface Water Depth: - 21 ft. of deck Ground Water Elevation: when drilling: 20 ft. depth at completion: Cave at 10 ft.				DEPTH (ft.)	BLOW S (6")	QU (tsf)	MC (%)					DEPTH (ft.)	BLOW S (6")	QU (tsf)	MC (%)
Ground Surface Elevation:															
Dark brown clayey SILT (OL) Topsoil							16	Black weathered SHALE							
								Auger Refusal at 28 ft.							
Brown sandy CLAY (SC)				5	2 1 2	-	17					30			
Brown clayey SAND (SC)				10	2 1 1	-	14					35			
Brown fine to medium SAND (SP)				15	2 1 1	-	15					40			
Brown fine to medium SAND (SP)				20	1 1 0	-	10					45			
Gray clayey SAND (SC)				25	0 1 1	-	14					50			
Gray fine to medium SAND (SP)					2 5 5	-	19								
Black weathered SHALE					23 31 50/4"	4.5 P	12								

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

B-2

Station 151+71, 5' Rt
Ground Surface Elev. = 491.0±

BRIDGE FOUNDATION SOIL BORING LOG

MET Midwest Engineering and Testing, Inc.

Route: City of Newton Bike Trail over Embarras River
Section: 10-00045-00-BT
County: Jasper
Structure No. Not Available
Station: 10 ft. south of south abutment
Offset: 5 ft. east of centerline

Boring: B-2
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Date of Boring: February 13, 2012
Drilled By: Zach Wilcoxon
Checked By: Daniel E. Tappendorf
MET Project No: 23016

Surface Water Depth: - 21 ft. of deck Ground Water Elevation: when drilling: 20 ft. depth at completion: Cave at 15 ft.				DEPTH (ft.)	BLOW S (6")	QU (tsf)	MC (%)					DEPTH (ft.)	BLOW S (6")	QU (tsf)	MC (%)
Ground Surface Elevation:															
								Dark gray weathered SHALE							
								Auger Refusal at 28 ft.							
Brown silty CLAY (CL)				5	2 1 2	-	13					30			
Brown sandy CLAY (SC)				10	3 2 1	3.0 P	12					35			
Brown sandy CLAY (SC)				15	2 2 4	1.4 B	21					40			
Brown sandy CLAY (SC)				20	2 1 2	1.7 B	20					45			
Gray clayey SAND (SC)				25	5 3 3	2.0 P	19					50			
Dark gray weathered SHALE					2 1 3	1.5 B	22								
Gray clayey SAND (SC)					2 1 2	1.1 B	23								
Dark gray weathered SHALE					3 2 5	-	19								
Dark gray weathered SHALE					10 25 53	4.5 P	12								
Dark gray weathered SHALE					50/5"	4.5 P	15								

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

FILE NAME = S:\Projects\2012 Jobs\12-96-318011 MIG Newton Bike Path\040000 Sheets\040000-016-Boring.dgn
MODEL = 2012-02-13
PLOT DRIVER = PLOTDRIVER



USER NAME = kshapman	DESIGNED -	REVISED
FILE NAME = 040000-016-Boring.dgn	CHECKED -	REVISED
PLOT SCALE = 2000.0000 1/2" = 1'	DRAWN -	REVISED
PLOT DATE = 4/11/2013	CHECKED -	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 040-3084
SHEET NO. 16 OF 16 SHEETS

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
164	10-00045-00-BT	JASPER	40	31
CONTRACT NO.				

ILLINOIS FED. AID PROJECT