Surface Elevation: 412 | Completion Date: 3/6/14
Datum: msl

DEPTH IN FEET	DESCRIPTION OF MATERIAL	DRY UNIT WEIGHT (pcf) / SPT BLOW COUNTS / CORE RECOVERY/RQD	SAMPLES
	Medium dense, gray, silty SAND - (SM) *(continued)*		
85	Medium dense to very dense, gray, poorly graded SAND - SP		
		14-17-21	SS21
90			
95			
		16-10-12	SS22
100			
105			
		15-18-15	SS23
110			
115			
		19-20-16	SS24

GRAPHIC LOG

SHEAR STRENGTH, tsf: Δ - UU/2, ○ - QU/2, □ - SV; 0.5, 1.0, 1.5, 2.0, 2.5

STANDARD PENETRATION RESISTANCE ▲ N-VALUE (BLOWS PER FOOT) (ASTM D 1586)

WATER CONTENT, % PL 10 20 30 40 50 LL

NOTE: STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARIES BETWEEN SOIL TYPES AND THE TRANSITION MAY BE GRADUAL. GRAPHIC LOG FOR ILLUSTRATION PURPOSES ONLY.

LOG OF BORING 2002 WL J019319.02 - PSB.GPJ 00 CLONE ME.GPJ 1/8/15

GROUNDWATER DATA

ENCOUNTERED AT 13.5 FEET ▽

DRILLING DATA

__ AUGER 3 3/4" HOLLOW STEM
WASHBORING FROM 30 FEET
THR DRILLER DLD LOGGER
CME 55HT DRILL RIG
HAMMER TYPE Auto
HAMMER EFFICIENCY 85 %

REMARKS:

Drawn by: AGB	Checked by: CKK	App'vd. by: FC
Date: 4/3/14	Date: 1/9/15	Date: 1/9/15

GEOTECHNOLOGY INC FROM THE GROUND UP

Illinois Approach Substructure Rehabilitation Poplar Street Bridge Widening East St. Louis, Illinois

CONTINUATION OF LOG OF BORING: I-6.1

Project No. J019319.02

Surface Elevation: 412 | Completion Date: 3/6/14
Datum: msl

DEPTH IN FEET	DESCRIPTION OF MATERIAL	DRY UNIT WEIGHT (pcf) / SPT BLOW COUNTS / CORE RECOVERY/RQD	SAMPLES
	Medium dense to very dense, gray, poorly graded SAND - SP *(continued)*		
125			
		13-24-34	SS25
130			
	Hard, gray, fresh to slightly weathered LIMESTONE (possible boulder)		
135	Core loss - 3.7 feet	23% / 23%	NX1
	Hard, gray, very finely crystalline, banded to thick bedded, fresh to slightly weathered LIMESTONE with shale partings		
140	unconfined compressive strength = 28,183 psi (4,058 ksf)	100% / 90%	NX2
	shale seam - 1/4 inch		
145	shale seam - 1 inch pyrite seam - 1 inch unconfined compressive strength = 29,574 psi (4,259 ksf)	100% / 72%	NX3
150	unconfined compressive strength = 25,347 psi (3,650 ksf) shale seam - 1/2 inch shale seam - 1 inch coarsely crystalline	100% / 78%	NX4
155	unconfined compressive strength = 29,181 psi (4,202 ksf)	100% / 93%	NX5
	unconfined compressive strength = 28,684 psi (4,130 ksf)	100%	NX6

GRAPHIC LOG

SHEAR STRENGTH, tsf: Δ - UU/2, ○ - QU/2, □ - SV; 0.5, 1.0, 1.5, 2.0, 2.5

STANDARD PENETRATION RESISTANCE ▲ N-VALUE (BLOWS PER FOOT) (ASTM D 1586)

WATER CONTENT, % PL 10 20 30 40 50 LL

NOTE: STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARIES BETWEEN SOIL TYPES AND THE TRANSITION MAY BE GRADUAL. GRAPHIC LOG FOR ILLUSTRATION PURPOSES ONLY.

LOG OF BORING 2002 WL J019319.02 - PSB.GPJ 00 CLONE ME.GPJ 1/8/15

GROUNDWATER DATA

ENCOUNTERED AT 13.5 FEET ▽

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REMARKS:

Drawn by: AGB	Checked by: CKK	App'vd. by: FC
Date: 4/3/14	Date: 1/9/15	Date: 1/9/15

GEOTECHNOLOGY INC FROM THE GROUND UP

Illinois Approach Substructure Rehabilitation Poplar Street Bridge Widening East St. Louis, Illinois

CONTINUATION OF LOG OF BORING: I-6.1

Project No. J019319.02

FOR INFORMATION ONLY

LICENSED STRUCTURAL ENGINEER STEPHEN E. ALSBURY 081-0281 STATE OF ILLINOIS
EXPIRES 11-30-16

DATE	12/1/2015
DATE PREPARED	
ROUTE	I-64
STATE	IL
DISTRICT	STL
SHEET NO.	66
COUNTY	ST. CLAIR
JOB NO.	J612377C/J612377D
CONTRACT ID.	–
PROJECT NO.	–
BRIDGE NO.	082-0005

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

ABNA
4140 Lindell Boulevard
St. Louis, MO 63104
314-454-0222
Certificate of Authority: 001507

REV.

BORING DATA

Note:
For location of borings, see Sheet 1.

Detailed Nov 2015
Checked Nov 2015

Note: This drawing is not to scale. Follow dimensions.

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