Surface Elevation: 412 | Completion Date: 3/24/14
Datum: msl

DEPTH IN FEET	DESCRIPTION OF MATERIAL	DRY UNIT WEIGHT (pcf) SPT BLOW COUNTS CORE RECOVERY/RQD	SAMPLES
	Medium dense to dense, gray, poorly graded SAND - (SP) *(continued)*		
85			
		9-16-13	SS21
90			
95			
		9-9-13	SS22
100			
105			
		13-17-15	SS23
110			
115			
		14-23-18	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 16 FEET ▽

DRILLING DATA

__ AUGER 3 3/4" HOLLOW STEM
WASHBORING FROM 25 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-5.2

Project No. J019319.02

Surface Elevation: 412 | Completion Date: 3/24/14
Datum: msl

DEPTH IN FEET	DESCRIPTION OF MATERIAL	DRY UNIT WEIGHT (pcf) SPT BLOW COUNTS CORE RECOVERY/RQD	SAMPLES
	Medium dense to dense, gray, poorly graded SAND - (SP) *(continued)*		
	Medium dense, gray, well graded SAND - (SW)		
125			
		32-7-9	SS25
130			
135			
140	Hard, gray, aphanitic, banded to thick bedded, slightly weathered LIMESTONE with shale partings	100%/0%	NX1
	unconfined compressive strength = 25,372 psi (3,654 ksf)	100% 82%	NX2
145		100% 88%	NX3
	unconfined compressive strength = 22,983 psi (3,310 ksf)		
150	unconfined compressive strength = 20,050 psi (2,887 ksf)	100% 78%	NX4
155	shale seam - 1 inch chert nodule - 2 inches chert nodule - 2 inches unconfined compressive strength = 15,803 psi (2,276 ksf)	100% 78%	NX5

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 16 FEET ▽

DRILLING DATA

__ AUGER 3 3/4" HOLLOW STEM
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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-5.2

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.	63
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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