Surface Elevation: 411.90 | Completion Date: 4/12/13
Datum: msl | Latitude: 14035285.40 | Longitude: 2446907.96

DEPTH IN FEET	DESCRIPTION OF MATERIAL	DRY UNIT WEIGHT (pcf) SPT BLOW COUNTS CORE RECOVERY/RQD	SAMPLES
	FILL: black sand and gravel (slag)	7-8-7	SS1
5		3-2-3	SS2
		2-2-2	SS3
		2-1-2	SS4
10		1-2-2	SS5
	Soft to very soft, gray CLAY - (CH)	0-1-1	SS6
15		0-0-1	SS7
	Soft to very soft, gray, clayey SILT - (ML) dry unit weight = 85 pcf	0-1-1	SS8
20	dry unit weight = 86 pcf	0-1-1	SS9
	trace sand	1-0-1	SS10
25	Medium dense, gray, fine-grained, silty SAND - (SM)	4-5-6	SS11
30	Medium dense, gray, fine-grained SAND - SP	8-19-19	SS12
35		7-8-9	SS13
40	Medium dense to dense, gray, fine to medium-grained SAND, trace silt - (SP-SM)	7-13-14	SS14
45		10-15-16	SS15

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 J019319.01 - POPLAR STREET BRIDGE.GPJ 00 CLONE ME.GPJ

GROUNDWATER DATA

X FREE WATER NOT ENCOUNTERED DURING DRILLING

DRILLING DATA

__ AUGER 4 1/4" HOLLOW STEM
WASHBORING FROM 20 FEET
BF DRILLER DLD LOGGER
CME 550X DRILL RIG
HAMMER TYPE Auto
HAMMER EFFICIENCY 84 %

REMARKS:
Sta. 48+79.46
99.24' RT.

Drawn by: BJS	Checked by: CKK	App'vd. by: FC
Date: 4/19/13	Date: 1/9/15	Date: 1/9/15

GEOTECHNOLOGY INC FROM THE GROUND UP

Poplar Street Bridge Widening
St. Louis, Missouri to East St. Louis, Illinois

LOG OF BORING: I-5

Project No. J019319.01

Surface Elevation: 411.90 | Completion Date: 4/12/13
Datum: msl | Latitude: 14035285.40 | Longitude: 2446907.96

DEPTH IN FEET	DESCRIPTION OF MATERIAL	DRY UNIT WEIGHT (pcf) SPT BLOW COUNTS CORE RECOVERY/RQD	SAMPLES
	Medium dense to dense, gray, fine to medium-grained SAND, trace silt - (SP-SM) *(continued)*		
55		10-15-17	SS16
60		18-19-15	SS17
	Medium dense to dense, gray, medium to coarse-grained SAND with gravel, trace silt - (SP-SM) rough drilling	21-14-14	SS18
65			
70		20-29-20	SS19
75			
	Loose, gray, fine-grained SAND - SP	3-5-5	SS20
80			
85			
	Medium dense, gray, medium to coarse-grained SAND, trace gravel - SP dense	13-18-15	SS21
90	rough drilling		
95		8-11-7	SS22

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 J019319.01 - POPLAR STREET BRIDGE.GPJ 00 CLONE ME.GPJ

GROUNDWATER DATA

X FREE WATER NOT ENCOUNTERED DURING DRILLING

DRILLING DATA

__ AUGER 4 1/4" HOLLOW STEM
WASHBORING FROM 20 FEET
BF DRILLER DLD LOGGER
CME 550X DRILL RIG
HAMMER TYPE Auto
HAMMER EFFICIENCY 84 %

REMARKS:
Sta. 48+79.46
99.24' RT.

Drawn by: BJS	Checked by: CKK	App'vd. by: FC
Date: 4/19/13	Date: 1/9/15	Date: 1/9/15

GEOTECHNOLOGY INC FROM THE GROUND UP

Poplar Street Bridge Widening
St. Louis, Missouri to East St. Louis, Illinois

CONTINUATION OF LOG OF BORING: I-5

Project No. J019319.01

FOR INFORMATION ONLY

LICENSED STRUCTURAL ENGINEER STEPHEN E. ALSSURY 081-5281 STATE OF ILLINOIS
EXPIRES 11-30-16

DATE PREPARED	
12/1/2015	
ROUTE I-64	STATE IL
DISTRICT STL	SHEET NO. 55
COUNTY ST. CLAIR	
JOB NO. J6I2377C/J6I2377D	
CONTRACT ID. –	
PROJECT NO. –	
BRIDGE NO. 082-0005	

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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

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.

REV.

c:\pwworking\oma\d1143615\B_0820005_055.dgn 9:53:38 AM 12/1/2015