Surface Elevation: 412 | Completion Date: 3/27/14
Datum: msl

DEPTH IN FEET	DESCRIPTION OF MATERIAL	DRY UNIT WEIGHT (pcf) / SPT BLOW COUNTS / CORE RECOVERY/RQD	SAMPLES
	Medium dense to dense, silty SAND - (SM) *(continued)*		
85			
90		14-17-25	SS21
95	Medium dense to dense, poorly graded SAND - (SP)		
100		8-9-9	SS22
105			
110		16-10-11	SS23
115			
		13-16-19	SS24

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.

GROUNDWATER DATA

ENCOUNTERED AT 16 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-5.1

Project No. J019319.02

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

Surface Elevation: 412 | Completion Date: 3/27/14
Datum: msl

DEPTH IN FEET	DESCRIPTION OF MATERIAL	DRY UNIT WEIGHT (pcf) / SPT BLOW COUNTS / CORE RECOVERY/RQD	SAMPLES
	Medium dense to dense, poorly graded SAND - (SP) *(continued)*		
125			
130		8-8-13	SS25
135			
140	Hard, gray, aphanitic, banded to thick bedded, fresh to slightly weathered LIMESTONE with shale partings unconfined compressive strength = 21,008 psi (3,025 ksf)	50/0"	SS26
		100% 80%	NX1
145		100% 62%	NX2
150	unconfined compressive strength = 16,229 psi (2,337 ksf)	100% 82%	NX3
155	unconfined compressive strength = 23,585 psi (3,396 ksf)	100% 95%	NX4
	chert nodules to 157 feet		
	unconfined compressive strength = 15,067 psi (2,670 ksf)		

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

S-0"

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

GROUNDWATER DATA

ENCOUNTERED AT 16 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-5.1

Project No. J019319.02

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

FOR INFORMATION ONLY

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

DATE	12/1/2015
DATE PREPARED	
ROUTE	I-64
STATE	IL
DISTRICT	STL
SHEET NO.	60
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

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.

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