

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAGE 1 of 1

SOIL BORING LOG

DATE 7/13-14/2101

LOGGED BY RJ

GSI JOB No. 10098

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 West Lake Street, Suite 204
Naperville, Illinois 60563
(630) 401-1888

ROUTE F.A.I. RTE. 55 DESCRIPTION Central Avenue Over Interstate 55 Ramp Reconstruction

SECTION 9(H, HB & SB)R-1 LOCATION SEC. 4 & 5, TWP. 38 N., RNG. 13 E., 3rd P.M., Stickney Township

COUNTY Cook DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE CME Automatic

STRUCT. NO. 016-1306
Station 202+34 to 203+79

BORING NO. RW-14
Station 203+06
Offset 39.5' Left
Ground Surface Elev. 600.8

D E P T H H S	B L O W S Qu	U C S T	M O I S T T	Surface Water Elev.	Stream Bed Elev.	Groundwater Elevation:	First Encounter	Upon Completion	After Hrs.
(ft)	(6")	(tsf)	(%)	n/a	n/a	n/a	▼	▼	▼
599.4	7	111							
	4								
	9	4.1B	16						
	2								
	3								
	-5	4	0.6B	24					
	2								
	2	0.5P	25						
				572.8					
	2								
	2	0.5P	27						
	4								
	4	1.25B	22						
	2								
	3								
	-15	4	1.0B	25					
	5								
	9	2.6B	22						
	4								
	5								
	7	1.5B	21						

6.0" ASPHALT, 8.0" CONCRETE,
3.0" CRUSHED STONE

CLAY LOAM-brown & gray-
soft to hard (A-6) Fill

CLAY LOAM-gray-
medium stiff to stiff (A-6)

CLAY LOAM-brown & gray-
stiff to very stiff (A-6)

CLAY-gray-stiff (A-6)

End Of Boring @ -35.0
Hollow Stem Augers To -10.0'
Rotary Drilling To Completion
CME Automatic Hammer

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

PAGE 1 of 1

SOIL BORING LOG

DATE 7/14/2101

LOGGED BY RJ

GSI JOB No. 10098

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 West Lake Street, Suite 204
Naperville, Illinois 60563
(630) 401-1888

ROUTE F.A.I. RTE. 55 DESCRIPTION Central Avenue Over Interstate 55 Ramp Reconstruction

SECTION 9(H, HB & SB)R-1 LOCATION SEC. 4 & 5, TWP. 38 N., RNG. 13 E., 3rd P.M., Stickney Township

COUNTY Cook DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE CME Automatic

STRUCT. NO. 016-1306
Station 202+34 to 203+79

BORING NO. RW-15
Station 203+84
Offset 38.5' Left
Ground Surface Elev. 601.1

D E P T H H S	B L O W S Qu	U C S T	M O I S T T	Surface Water Elev.	Stream Bed Elev.	Groundwater Elevation:	First Encounter	Upon Completion	After Hrs.
(ft)	(6")	(tsf)	(%)	n/a	n/a	n/a	▼	▼	▼
599.7	8								
	10								
	6	4.5+P	13						
	4								
	7								
	-5	7	3.0B	17					
	2								
	2	1.5P	21						
				585.6					
	2								
	2	0.5B	24						
	3								
	4								
	6								
	4								
	5								
	-15	8	1.9B	19					
	4								
	4	1.3B	23						
	3								
	4								
	7	2.0B	21						

6.0" ASPHALT, 8.0" CONCRETE,
3.0" CRUSHED STONE

CLAY-brown-stiff to very stiff (A-6)

CLAY-gray-
medium stiff to stiff (A-6)

SILTY CLAY-gray-stiff (A-6)

CLAY-brown & gray-
stiff to very stiff (A-6)

End Of Boring @ -35.0
Hollow Stem Augers To -10.0'
Rotary Drilling To Completion
CME Automatic Hammer

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

BORING LOGS 2
STRUCTURE NO. 016-1306

TYLIN INTERNATIONAL	DESIGNED -	REVISIONS		SHEET NO. 9 9 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	CHECKED - AMD,	NAME	DATE		55	0711.2R & 1011.1BR	COOK	741	592
	DRAWN -				CONTRACT NO. 60999				
	CHECKED - AMD,				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
	DATE - 03/25/2011								

p:\01345\structure\02 Central Ave. 016-0724\155-3br-2.dgn 4/28/2011 1:29:52 PM