

RW-14

SOIL BORING LOG

PAGE 1 of 1
DATE 3/22/2010
LOGGED BY MD
CSI JOB No. 09177

ROUTE FAP 339 (Il. Route 62) DESCRIPTION Il. Route 62 Widening (PTB 153-10) IDOT Job No. D-91-022-10
SECTION 116 Y-1-R-1 LOCATION S 1/2, SEC. 23, TWP. 42N, RNG. 9E, 3rd PM, Barrington Township
COUNTY COOK DRILLING METHOD Hollow Stem Auger/ Rotary HAMMER TYPE CME Automatic

STRUCT. NO. -
Station -
BORING NO. **RW-14**
Station 511+75
Offset 12.0' Left
Ground Surface Elev. **880.2**

DEPTH (ft)	BLOW (S)	UCS (tsf)	MOIST (%)	Description	DEPTH (ft)	BLOW (S)	UCS (tsf)	MOIST (%)
0	AS	NP	1	8.0" ASPHALT, 2.0" GRAVEL, 6.0" CONCRETE	3			105
6					7	2.4B		22
5			114		4			104
8					4			
10	5.6B			CLAY-gray-stiff to very stiff (A-6)	25	6	1.8B	20
6			106	CLAY-brown & gray-very stiff to hard (A-6)	3			105
8					4			
10	6.0B				5	1.75B		22
6			104		3			114
8					4			
10	4.6B				5	1.6B		17
5			107					
8	2.75B							
10								
6			107					
10	4.0B							
13								
862.2								
3			108	End Of Boring @ -40.0 Hollow Stem Augers To -10.0' Rotary Drilling To Completion	3			106
6	2.4B			10' Of 4.0" Casing Used CME Automatic Hammer	4			
20					5	1.9B		22

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
ST-S 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

RW-15

SOIL BORING LOG

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CSI JOB No. 09177

ROUTE FAP 339 (Il. Route 62) DESCRIPTION Il. Route 62 Widening (PTB 153-10) IDOT Job No. D-91-022-10
SECTION 116 Y-1-R-1 LOCATION S 1/2, SEC. 23, TWP. 42N, RNG. 9E, 3rd PM, Barrington Township
COUNTY COOK DRILLING METHOD Hollow Stem Auger/ Rotary HAMMER TYPE CME Automatic

STRUCT. NO. -
Station -
BORING NO. **RW-15**
Station 512+50
Offset 12.0' Left
Ground Surface Elev. **881.3**

DEPTH (ft)	BLOW (S)	UCS (tsf)	MOIST (%)	Description	DEPTH (ft)	BLOW (S)	UCS (tsf)	MOIST (%)
0	AS	NP	4	9.0" ASPHALT, 3.0" GRAVEL, 6.0" CONCRETE	3			103
6					4			
7	1.9B				6			23
5			106	CLAY-gray-stiff to hard (A-6)	3			97
6					4			
10	5.5B			CLAY-brown & gray-hard (A-6)	25	6	2.1B	27
5			107		3			113
7					4			
10	6.8B				6	1.0B		18
7			110		3			116
50/3"					4			
10	4.5B				6	1.0B		17
50/4"								
868.3								
5			110	SILTY CLAY-gray-stiff (A-6)	3			847.8
10					5			
15	4.1B				6	1.25P		23
14								
846.3								
4			104	CLAY-gray-stiff to hard (A-6)	4			104
5					5			
6	2.0B				6	2.0B		23
4	1.25P							
20								
841.3								
3			102	End Of Boring @ -40.0 Hollow Stem Augers To -10.0' Rotary Drilling To Completion	3			102
4				10' Of 4.0" Casing Used CME Automatic Hammer	4			
6	1.0B				6	1.0B		24

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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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

RW-16

SOIL BORING LOG

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CSI JOB No. 09177

ROUTE FAP 339 (Il. Route 62) DESCRIPTION Il. Route 62 Widening (PTB 153-10) IDOT Job No. D-91-022-10
SECTION 116 Y-1-R-1 LOCATION S 1/2, SEC. 23, TWP. 42N, RNG. 9E, 3rd PM, Barrington Township
COUNTY COOK DRILLING METHOD Hollow Stem Auger/ Rotary HAMMER TYPE CME Automatic

STRUCT. NO. -
Station -
BORING NO. **RW-16**
Station 513+30
Offset 12.0' Left
Ground Surface Elev. **881.3**

DEPTH (ft)	BLOW (S)	UCS (tsf)	MOIST (%)	Description	DEPTH (ft)	BLOW (S)	UCS (tsf)	MOIST (%)
0	AS	NP	6	9.0" ASPHALT, 3.0" GRAVEL, 6.0" CONCRETE	3			105
6					4			
9					6	1.9B		22
6			104	CLAY-gray-stiff to very stiff (A-6)	3			104
6					6			
9	4.9B			CLAY-brown & gray-very stiff to hard (A-6)	25	6	1.6B	23
4			103		3			106
9					4			
10	4.9B				6	1.4B		22
6								
10								
852.3								
10					6			
10	3.5P			SILTY CLAY LOAM-gray-stiff (A-4/A-6)	30	7	1.75P	18
5			109					
10								
868.8								
3			107	CLAY-gray-stiff to very stiff (A-6)	3			111
5					4			
15	2.4B			CLAY-gray-stiff to very stiff (A-6)	35	6	1.3B	19
3			106		3			106
4					4			
6	1.9B				6	1.9B		22
3			105	End Of Boring @ -40.0 Hollow Stem Augers To -10.0' Rotary Drilling To Completion	3			122
4				10' Of 4.0" Casing Used CME Automatic Hammer	4			
6	1.5B				6	1.5B		22
841.3								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
ST-S 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



USER NAME =	DESIGNED - JPM	REVISED -
PLOT SCALE =	CHECKED - JXH	REVISED -
PLOT DATE =	DRAWN - JPM	REVISED -
	CHECKED - JXH/TPG	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOIL BORINGS
STRUCTURE NO. 016-W995**

SHEET NO. 53 OF 53 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	116 Y-1-R-1	COOK	122	68
			CONTRACT NO. 60135	
ILLINOIS FED. AID PROJECT				