

PAGE 1 of 2

SOIL BORING LOG

DATE August 30, 2002
LOGGED BY RH
OBA JOB No. 02235

ROUTE FAU Route 1541 DESCRIPTION Proposed Bridge Improvements IDOT Project No. D-91-122-97
SECTION 1818-4B LOCATION 76th St. over FAI 94 Chicago, Illinois (Sections 27 & 28-T38N-R14E)
COUNTY Cook DRILLING METHOD 3.25" Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 016-2850
Station 73+49.33
BORING NO. **SB-76-5**
Station 74+51.44
Offset 58.2' Left
Ground Surface Elev. 570.5 (-9.0 CCD)

DEPTH (ft)	BLOW COUNT (blows/6")	UNIT WEIGHT (pcf)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BLOW COUNT (blows/6")	UNIT WEIGHT (pcf)	MOISTURE (%)
				Surface Water Elev. n/a				
				Stream Bed Elev. n/a				
				Groundwater Elevation:				
				First Encounter 546.9				
				Upon Completion Dry				
				After Hrs.				
1				CLAY- gray-very stiff to hard (A-6)	8			
2					12			
4	4.5+P	19			15	4.6B	13	
4					11			
7					15			
7	5.7B	12			19	8.0B	11	
5					14			
7	4.1B	12			20			
5					24	3.7B	11	
7					16			
12	4.5+P	12			24			
6					16			
12					24			
14	5.7B	12			30	10.7B	15	
9					16			
14				SILT- gray-very dense (A-4)	25			
15	4.1B	9			42			
5					35	NP	12	
11				SILTY CLAY LOAM- gray-very dense (A-4/A-6)	50			
14	4.5+P	12			50	NP	8	
6					22			
10					36			
20	6.1B	13			40	NP	10	

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 T208) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

PAGE 2 of 2

SOIL BORING LOG

DATE August 30, 2002
LOGGED BY RH
OBA JOB No. 02235

ROUTE FAU Route 1541 DESCRIPTION Proposed Bridge Improvements IDOT Project No. D-91-122-97
SECTION 1818-4B LOCATION 76th St. over FAI 94 Chicago, Illinois (Sections 27 & 28-T38N-R14E)
COUNTY Cook DRILLING METHOD 3.25" Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 016-2850
Station 73+49.33
BORING NO. **SB-76-5**
Station 74+51.44
Offset 58.2' Left
Ground Surface Elev. 570.5 (-9.0 CCD)

DEPTH (ft)	BLOW COUNT (blows/6")	UNIT WEIGHT (pcf)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BLOW COUNT (blows/6")	UNIT WEIGHT (pcf)	MOISTURE (%)
				Surface Water Elev. n/a				
				Stream Bed Elev. n/a				
				Groundwater Elevation:				
				First Encounter 546.9				
				Upon Completion Dry				
				After Hrs.				
				Drillers Observation:				
				Cobbles from -39.0' to -43.0'				
					50/51			
					15	4.6B	13	
					NR			
				Fractured STONE- Possible Bedrock				
					50/152			
					45	NP	4	
				End of Boring @ -45.0' Hollow Stem Augers CME Automatic Hammer				
					65			
					70			
					75			
					80			

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 T208) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

FILE: L:\6592\02\Cad\Sheets\Roadway Structures\Bridges\6592-52850-5604.dgn

REVISIONS	
NAME	DATE