



# BORING B-1

		<b>SOIL BORING LOG</b>				PAGE 1 of 1 DATE February 21, 2005 LOGGED BY RH GSI JOB No. 0502-A			
ROUTE FAI 290IL-53 SECTION 0305-302K-L-3 COUNTY Cook		DESCRIPTION High-Mast Light Pole Foundations IL 53FAI 290, Higgins to Algonquin LOCATION NW & SW CORNERS, SEC. 18 & 7, TWP. 41N, RNG. 11E, 3rd PM DRILLING METHOD 3.25" Hollow Stem Auger HAMMER TYPE D-50 Automatic							
STRUCT. NO. n/a Station n/a BORING NO. <b>B-1</b> Northing 1956618.5 Easting 1066266.7 Ground Surface Elev. 732.6		D E L C O P O S I T W S H S Qu T		Surface Water Elev. n/a Stream Bed Elev. n/a Groundwater Elevation: First Encounter 714.6 Upon Completion 722.6 After Hrs.		D E L C O P O S I T W S H S Qu T		Surface Water Elev. n/a Stream Bed Elev. n/a Groundwater Elevation: First Encounter 714.6 Upon Completion 722.6 After Hrs.	
TOPSOIL-black (A-7) Fill 731.6 2 3 7 2.5B 24									
CLAY-brown, gray & black-stiff to very stiff (A-6) Fill, Wet 727.1 3 4 -5 5 1.0B 25				CLAY-gray-stiff to very stiff (A-6) 3 6 -25 10 2.7B 20					
TOPSOIL-black (A-7) 724.6 3 6 9 4.9B 23									
CLAY-brown & gray-stiff to hard (A-6) 717.1 3 5 -10 7 4.2B 18 2 5 8 3.5B 19 2 6 -15 12 1.75P 13				CLAY-gray-stiff to very stiff (A-6) 3 6 -30 10 2.5B 20 3 6 7 -35 12 2.0B 20					
CLAY-gray-stiff to very stiff (A-6) 717.1 4 5 7 1.75B 14 2 4 -20 6 1.75B 17				End of Boring @ -35.0' Boring Backfilled Upon Completion Hollow Stem Augers D-50 ATV					

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 B-2

CONTRACT NO. 62877				
F.A.I. RTE. 290	SECTION 0305-302K-L-3	COUNTY COOK	TOTAL SHEETS 55	SHEET NO. 50
STA. 24+85		TO STA.121+25		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

		<b>SOIL BORING LOG</b>				PAGE 1 of 1 DATE February 07, 2005 LOGGED BY RH GSI JOB No. 0502-A			
ROUTE FAI 290IL-53 SECTION 0305-302K-L-3 COUNTY Cook		DESCRIPTION High-Mast Light Pole Foundations IL 53FAI 290, Higgins to Algonquin LOCATION NW & SW CORNERS, SEC. 18 & 7, TWP. 41N, RNG. 11E, 3rd PM DRILLING METHOD 3.25" Hollow Stem Auger HAMMER TYPE CME-55 Automatic							
STRUCT. NO. n/a Station n/a BORING NO. <b>B-2</b> Northing 1957592.6 Easting 1066551.7 Ground Surface Elev. 738.4		D E L C O P O S I T W S H S Qu T		Surface Water Elev. n/a Stream Bed Elev. n/a Groundwater Elevation: First Encounter 729.9 Upon Completion Dry After Hrs.		D E L C O P O S I T W S H S Qu T		Surface Water Elev. n/a Stream Bed Elev. n/a Groundwater Elevation: First Encounter 729.9 Upon Completion Dry After Hrs.	
CRUSHED ASPHALT & STONE-very loose (Fill) 735.9 12 15 14 NP 5									
CLAY-brown & gray-very stiff to hard (A-6) Fill 709.9 2 3 -5 5 2.2B 18				CLAY-brown & gray-very stiff to hard (A-6) Fill 4 7 12 2.5B 19 5 11 -25 15 2.5B 17					
CLAY-brown & gray-very stiff to hard (A-6) Fill 709.9 2 4 6 8 3.4B 19									
CLAY-brown & gray-very stiff (A-6) 703.4 5 8 -10 10 2.7B 17 5 6 8 3.4B 21 6 8 -15 12 4.2B 18				CLAY-brown & gray-very stiff (A-6) 4 8 -30 12 2.5B 21 4 7 -35 12 2.8B 21					
CLAY-gray-stiff to very stiff (A-6) 717.1 2 9 10 6.4B 17 3 6 -20 7 3.5B 18				End of Boring @ -35.0' Boring Grouted Upon Completion Hollow Stem Augers CME-55					

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

PLOT DATE = 4/7/2005  
 PLOT SCALE = 8/162000 / IN.  
 USER NAME = lupasa

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 FAI 290/FAP 342 (I-290/IL 53)  
 IL 62 (ALGONQUIN ROAD)  
 TO IL 72 (HIGGINS ROAD)  
 BORING LOG I  
 SCALE: VERT. DATE      HORIZ. DRAWN BY CHECKED BY