

		SOIL BORING LOG		PAGE 1 of 2	
Geotechnical, Environmental & Civil Engineering 805 Amherst Court, Suite 204 Naperville, Illinois 60563 (630) 355-2838		DATE 1/17/2012		LOGGED BY MD	
ROUTE FAP 353 (US 30)		DESCRIPTION US Route 30 @ EJ&E/CN Railroad, IDOT Job No. D-91-046-12		GSI JOB No. 09174	
SECTION 11-Y-A		LOCATION SEC 20 & 29, T 35 N, R 15 E, 3rd PM		COUNTY Cook	
DRILLING METHOD Hollow Stem Auger/Rotary		HAMMER TYPE Diedrich Automatic			
STRUCT. NO. 016-1279 Station ---		Surface Water Elev. <i>n/a</i> Stream Bed Elev. <i>n/a</i>		DEPT H B L O W S Qu U C S M O I S T	
BORING NO. RW-08 Station 274+75 Offset 51.5' Left Ground Surface Elev. 628.8		Groundwater Elevation: First Encounter 624.3 Upon Completion <i>n/a</i> After <i>n/a</i> Hrs.		DEPT H B L O W S Qu U C S M O I S T	
3.0" ASPHALT, 3.0" CRUSHED STONE 628.3		SILTY CLAY-gray-soft (A-6) Wet 608.3			
SILTY CLAY-dark brown & gray-very stiff (A-6) 625.8		SILTY CLAY LOAM-gray-medium dense (A-4) 605.8			
SANDY LOAM-gray-loose (A-2) 624.3		SAND-gray-loose (A-3) 620.8			
SAND-gray-loose (A-3) 620.8		CLAY-gray-medium stiff to stiff (A-6) 618.3			
SILTY LOAM-gray-medium dense (A-4) 618.3		SANDY LOAM-gray-medium dense (A-2) 576.8			
SILTY CLAY-gray-stiff to very stiff (A-6) 613.3		SANDY LOAM-gray-medium dense (A-2) 571.8			
SILTY CLAY-gray-soft (A-6) Wet 613.3		SAND-gray-medium dense (A-3) 591.8			

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

		SOIL BORING LOG		PAGE 2 of 2	
Geotechnical, Environmental & Civil Engineering 805 Amherst Court, Suite 204 Naperville, Illinois 60563 (630) 355-2838		DATE 1/17/2012		LOGGED BY MD	
ROUTE FAP 353 (US 30)		DESCRIPTION US Route 30 @ EJ&E/CN Railroad, IDOT Job No. D-91-046-12		GSI JOB No. 09174	
SECTION 11-Y-A		LOCATION SEC 20 & 29, T 35 N, R 15 E, 3rd PM		COUNTY Cook	
DRILLING METHOD Hollow Stem Auger/Rotary		HAMMER TYPE Diedrich Automatic			
STRUCT. NO. 016-1279 Station ---		Surface Water Elev. <i>n/a</i> Stream Bed Elev. <i>n/a</i>		DEPT H B L O W S Qu U C S M O I S T	
BORING NO. RW-08 Station 274+75 Offset 51.5' Left Ground Surface Elev. 628.8		Groundwater Elevation: First Encounter 624.3 Upon Completion <i>n/a</i> After <i>n/a</i> Hrs.		DEPT H B L O W S Qu U C S M O I S T	
		SAND-gray-loose to medium dense (A-3) 576.8			
		SANDY LOAM-gray-medium dense (A-2) 571.8			
		SAND-gray-medium dense (A-3) 607.8			
		SANDY LOAM-gray-medium dense (A-2) 553.8			
		SILTY LOAM-gray-medium dense (A-4) 556.8			
		SAND-gray-medium dense (A-3) 571.8			
		SAND-gray-medium dense (A-3) 607.8			
		SAND-gray-medium dense (A-3) 607.8			
		SAND-gray-medium dense (A-3) 607.8			

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

		SOIL BORING LOG		PAGE 1 of 2	
Geotechnical, Environmental & Civil Engineering 805 Amherst Court, Suite 204 Naperville, Illinois 60563 (630) 355-2838		DATE 2/7/2012		LOGGED BY DR	
ROUTE FAP 353 (US 30)		DESCRIPTION US Route 30 @ EJ&E/CN Railroad, IDOT Job No. D-91-046-12		GSI JOB No. 09174	
SECTION 11-Y-A		LOCATION SEC 20 & 29, T 35 N, R 15 E, 3rd PM		COUNTY Cook	
DRILLING METHOD Hollow Stem Auger/Rotary		HAMMER TYPE CME Automatic			
STRUCT. NO. 016-1279 Station ---		Surface Water Elev. <i>n/a</i> Stream Bed Elev. <i>n/a</i>		DEPT H B L O W S Qu U C S M O I S T	
BORING NO. RW-10 Station 275+75 Offset 47.0' Left Ground Surface Elev. 629.6		Groundwater Elevation: First Encounter 623.6 Upon Completion <i>n/a</i> After <i>n/a</i> Hrs.		DEPT H B L O W S Qu U C S M O I S T	
3.0" ASPHALT, 5.0" SAND & GRAVEL 628.8		SANDY CLAY-brown-very stiff (A-6) 626.6		SILTY LOAM-medium dense (A-4) 609.1	
SANDY CLAY-brown-very stiff (A-6) 626.6		SILTY CLAY-brown & gray-medium stiff (A-6) Wet 623.6			
SANDY LOAM-gray-very loose (A-2) 621.6		SANDY LOAM-gray-very loose (A-2) 621.6			
SILTY LOAM-gray-medium dense (A-4) 614.1		SANDY LOAM-gray-very loose (A-2) 611.6			
SILTY CLAY LOAM-gray-loose (A-4) 611.6		SAND-gray-medium dense (A-3) 592.6			
SILTY LOAM-gray-medium dense (A-4) 611.6		SAND-gray-medium dense (A-3) 592.6			

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



USER NAME =	DESIGNED - EVS	REVISIONS
PLOT SCALE =	DRAWN - EVS	REVISIONS
PLOT DATE =	CHECKED - WJV	REVISIONS

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SOIL BORING LOGS
 STRUCTURE NO. 016-1279**
 SHEET NO. 31 OF 35 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	251
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				