



# SOIL BORING LOG

Page 1 of 1

Date 2/15/12

ROUTE IL 47 (FAP 326) DESCRIPTION Traffic Signals at IL 47 & Granville Road, 0.8 Miles North of I-80 LOGGED BY Larry Myers

SECTION (109, 110)R,R-1, 110BR & BR-1 LOCATION NW 1/4, SEC. 27, TWP. 34N, RNG. 7E

COUNTY Grundy DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. Structure 8 (Prop.)  
 Station 6046+30, 82' RT  
 BORING NO. 3  
 Station 6045+14  
 Offset 78.00ft Rt.  
 Ground Surface Elev. 550.70 ft (ft) (6") (tsf) (%)

DEPTH (ft)	SOIL DESCRIPTION	DEPTH (ft)	BLOW COUNT (6")	UNCONSOLIDATED SOIL TEST (tsf)	MOISTURE CONTENT (%)
14	Hard gray silty loam till with silt layers. (continued)	14			
18		18	10.7	17.0	
29		29	S		
16		16			
23		23	11.1	10.6	
31		31	S		
548.20	Augered black silty clay loam fill.				
4		4			
5	Very stiff black, brown and gray silty loam / silty clay loam fill.	5	3.0	15.2	
6		6	P		
546.20	Very stiff to hard brown silty loam / silty clay loam till.				
6		6			
7		7	4.8	17.0	
8		8	S		
524.20	End of Boring				
7		7			
9		9	5.1	13.2	
12		12	S		
540.70	Hard gray silty loam till with silt layers.				
12		12			
21		21	>4.5	17.1	
31		31	P		
13		13			
18		18	8.4	14.0	
27		27	S		
-15					
10		10			
15		15	7.6	9.1	
19		19	S		
11		11			
21		21	10.7	11.3	
24		24	S		
-20					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)



# BORING LOG RB-IL47A-006

Page 1 of 1

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WEI Job No.: 790-36-01

Client TranSystems Corporation  
 Project Illinois Route 47, Section IL 47A  
 Location Mainline, Grundy Co.

Datum: NGVD  
 Elevation: 549.84 ft  
 North: 1724340.86 ft  
 East: 959728.26 ft  
 Station: 6044+90.35  
 Offset: 36.83 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
549.0	10-inch thick, dark brown SILTY LOAM	2		2											
	--TOPSOIL--	3		3											
	Medium stiff to very stiff, brown and gray CLAY LOAM, little to some gravel	4		4		1.75	27								
		6		6											
		3		3											
		4		4		2.50	17								
		4		4											
		5		5											
		3		3		0.75	19								
		4		4											
		6		6											
542.8	Medium dense, brown to gray SILT, little gravel	4		4		NP	20								
		6		6											
		7		7											
		3		3											
		4		4											
		5		5		NP	18								
		10		10											
		12		12											
		16		16											
539.8	Boring terminated at 10.00 ft	10													

### GENERAL NOTES

Begin Drilling 06-10-2009 Complete Drilling 06-10-2009  
 Drilling Contractor WTS Drill Rig D 120 ATV  
 Driller K&J Logger B. Wilson Checked by C. Marin  
 Drilling Method 3.25 IDA HSA; Boring backfilled upon completion

### WATER LEVEL DATA

While Drilling  DRY  
 At Completion of Drilling  DRY  
 Time After Drilling NA  
 Depth to Water  NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

FILE NAME =	USER NAME = bdecreene	DESIGNED - AS
V:\3195\66883 (South Section)\CADD Sheets\0366883-sht-ts-17.dgn		DRAWN - AS
PLOT SCALE = 48.0000' / in.		CHECKED - ST
SHT.PLAN	PLOT DATE = 8/6/2013	DATE - 7/15/2013



STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

IL. RTE. 47 AT GRANVILLE ROAD  
 BORING LOGS

SCALE: N/A SHEET NO. 8 OF 20 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(110)R, BR & BR-1	GRUNDY	644	285
CONTRACT NO. 66B83				
ILLINOIS FED. AID PROJECT				