

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 337	19R-D	LAKE	800	614
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 32  
37 SHEETS

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**Wang Engineering, INC.**  
Consulting Geotechnical and Environmental Engineers  
wangeng3@wangeng.com  
100 Fairbank Street  
Addison, IL 60101  
Telephone: 630 458-0700  
Fax: 630 458-0900

**BORING LOG S-1**

WEI Job No.: 119-01-01

Client: URS Corporation  
Project: Rte.22 (FAP 337) Realignment, IDOT D-91-326-00  
Location: Lake County, Illinois

Datum: NGVD  
Elevation: 262.89 m  
North: 613481.77 m  
East: 319750.75 m  
Station: 8+787.401  
Offset: 11.5268 LT

Page 1 of 2

**Wang Engineering, INC.**  
Consulting Geotechnical and Environmental Engineers  
wangeng3@wangeng.com  
100 Fairbank Street  
Addison, IL 60101  
Telephone: 630 458-0700  
Fax: 630 458-0900

**BORING LOG S-1**

WEI Job No.: 119-01-01

Client: URS Corporation  
Project: Rte.22 (FAP 337) Realignment, IDOT D-91-326-00  
Location: Lake County, Illinois

Datum: NGVD  
Elevation: 262.89 m  
North: 613481.77 m  
East: 319750.75 m  
Station: 8+787.401  
Offset: 11.5268 LT

Page 2 of 2

Profile Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample No.	Sample Recovery (%)	N Values (blw/150 mm)	Qu (kPa)	Moisture Content (%)	Profile Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample No.	Sample Recovery (%)	N Values (blw/150 mm)	Qu (kPa)	Moisture Content (%)
262.4	Black SANDY LOAM --TOPSOIL--	0	1	100	21	NP	26	262.4		0	11	100	3	118	15
261.8	Very loose, coarse, black SANDY LOAM	1	2	100	124	P	27	261.8		1	12	100	67	267	12
258.7	Very stiff to hard, brown and gray SILTY CLAY, trace gravel	2	3	100	4812	B	19	258.7		2	13	100	3	299	19
		3	4	100	5814	B	18			3	14	100	7	181	16
		4	5	100	51318	B	18			4	15	100	3	204	16
		5	6	100	51013	B	18			5	16	100	5	157	14
		6	7	100	4810	B	19			6	17	100	2	260	19
		7	8	100	369	B	19			7	18	100	4	251	19
		8	9	100	322	B	19			8	19	100	6	377	17
		9	10	100	431	N/6				9	20	100	6	432	17
		10	11	100	338	B	15			10	21	100	6	432	17
		11	12	100	2	5	15			11	22	100			

GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling 02-04-2002	Complete Drilling 02-04-2002	While Drilling	DRY
Drilling Contractor Patrick Drilling, Inc.	Drill Rig CME 75	At Completion of Drilling	DRY
Driller K & C	Logger E. Datz	Time After Drilling	NA
Checked by E. Datz		Depth to Water	NA
Drilling Method 3.25" ID HSA; Boring backfilled upon completion			

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

Profile Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample No.	Sample Recovery (%)	N Values (blw/150 mm)	Qu (kPa)	Moisture Content (%)	Profile Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample No.	Sample Recovery (%)	N Values (blw/150 mm)	Qu (kPa)	Moisture Content (%)
247.1	Very stiff to hard, gray SLITY CLAY	16	17	100	2	260	19	247.1		16	17	100	2	260	19
		17	18	100	4	251	19			17	18	100	4	251	19
		18	19	100	6	377	17			18	19	100	6	377	17
		19	20	100	6	432	17			19	20	100	6	432	17
		20	21	100	6	432	17			20	21	100	6	432	17
		21	22	100						21	22	100			
241.6	Boring terminated at 21.34 m	21.34						241.6		21.34					

GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling 02-04-2002	Complete Drilling 02-04-2002	While Drilling	DRY
Drilling Contractor Patrick Drilling, Inc.	Drill Rig CME 75	At Completion of Drilling	DRY
Driller K & C	Logger E. Datz	Time After Drilling	NA
Checked by E. Datz		Depth to Water	NA
Drilling Method 3.25" ID HSA; Boring backfilled upon completion			

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

BORING & ROCK CORE LOGS			
Date	Designed EV	<b>ELGIN, JOLIET &amp; EASTERN R.W. CO. BRIDGE OVER ILLINOIS ROUTE 22 F.A.P. ROUTE 337 SECTION (19R-1) LAKE COUNTY STATION 32+611.151 STRUCTURE NO. 049-0188</b>	Sheet No. <b>32</b> of 37
Revisions	Drawn EV		
	Checked NPP		
	Approved NPP		
	Prepared By: URS		