

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 337 (IL 22)	BR-1	LAKE	800	579
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

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

**BORING LOG RW 5-10**  
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: 265.60 m  
North: 613461.69 m  
East: 319812.10 m  
Station: 8+848.229  
Offset: 14.0845 RT

Profile Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample No.	N Values (blow/150 mm)	Qu (kPa)	Moisture Content (%)	Profile Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample No.	N Values (blow/150 mm)	Qu (kPa)	Moisture Content (%)
265.4	102-mm thick ASPHALTIC CONCRETE --PAVEMENT--						265.4						
	102-mm thick CRUSHED STONE --PAVEMENT--												
	--BASE COURSE--												
	Very stiff to hard, brown and gray SILTY CLAY, little gravel	16.5	17	46	165	20							
		17.5											
		18.5	18	40	408	17							
		19.5											
		20.5	19	71	314	16							
		21.5											
		22.5											
	Boring terminated at 19.81 m												

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**BORING LOG RW 5-11**  
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: 265.58 m  
North: 613461.69 m  
East: 319827.05 m  
Station: 8+862.605  
Offset: 14.7462 RT

Profile Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample No.	N Values (blow/150 mm)	Qu (kPa)	Moisture Content (%)	Profile Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample No.	N Values (blow/150 mm)	Qu (kPa)	Moisture Content (%)
265.4	102-mm thick ASPHALTIC CONCRETE --PAVEMENT--						265.4						
	102-mm thick CRUSHED STONE --PAVEMENT--												
	--BASE COURSE--												
	Very stiff to hard, brown and gray SILTY CLAY, little gravel	15.5	11	37	240	16							
		16.5											
		17.5	12	71	465	17							
		18.5											
		19.5	13	61	646	17							
		20.5											
		21.5	14	39	456	23							
		22.5											
		23.5	15	11	383	19							
		24.5											
		25.5	16	51	608	17							
		26.5											
	Stiff to hard, gray SILTY CLAY, trace gravel	18.5	7	59	354	18							
		19.5											
		20.5	8	39	346	20							
		21.5											
		22.5	9	47	225	21							
		23.5											
		24.5	10	35	141	21							
		25.5											
		26.5											

GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	01-31-2002	Complete Drilling	01-31-2002	While Drilling	15.16 m
Drilling Contractor	Patrick Drilling, Inc.	Drill Rig	CME 75	At Completion of Drilling	DRY
Driller	K & C	Logger	H.M. Suhail	Time After Drilling	NA
Drilling Method	3.25" ID HSA; Boring backfilled upon completion			Depth to Water	NA
<small>The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.</small>					

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265.4	Probably very dense, water-bearing SAND or GRAVEL						265.4						
	Very stiff, gray SILTY CLAY, little gravel	16.5	17	49	251	18							
		17.5											
		18.5	18	67	220	17							
		19.5											
		20.5	19	48	368	18							
		21.5											
		22.5											
	Boring terminated at 19.81 m												

GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	01-31-2002	Complete Drilling	01-31-2002	While Drilling	15.16 m
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Date		Designed		F.A.P. RTE. 337 (IL. RTE. 22)		Sheet No.
Revisions		Drawn		SECTION 19R-1		
		Checked		WEST OF U.S. 12 TO EAST OF BEUSCHING ROAD		
		Approved		LAKE COUNTY		
				STATION 8+752.493 TO 8+883.521		20
				STRUCTURE NO. 049-W029		of 23
						URS Job No. 2.100001385.01