F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	•	COOK	860	8521
STA. 2200+00.00		TO STA. 2362+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• (1516.1, 1717 & 1818) R-8				62694

FOR SIGN STRUCTURE AT STA. 2344+44

Wang Engineering, INC.
Consulting Geotechnical and Environmental Engineers
wangeng3@wangeng.com
1145 Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

BORING LOG SB SGN 11A

WEI Job No.: 414-07-01

Client: T. Y. LIN International

Project: Dan Ryan Improvements; IDOT No. D-91-421-01

Location: From 95th Street to Souh of 69th Street

Datum: CCD
Elevation: -5.20 ft
North: 1855810.77 ft
East: 1177361.99 ft
Station: 2344+44
Offset: 12' LT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	-5.6	7-inch thick, CONCRETE						
		--PAVEMENT--						
	-6.5	8-inch thick, CRUSHED STONE						
		--BASE COURSE--						
		Very stiff to hard, gray SILTY CLAY			1	10 3 3	2.62 B	18
			5		2	8 4 6	2.95 B	19
					3	8 8 15	4.51 B	19
	-13.2	Stiff to very stiff, gray SILTY CLAY, with silt interbeds			4	8 10 11	3.53 S	16
			10		5	7 7 12	2.54 S	24
			15		6	4 7 10	1.97 S	18
	-21.4	Hard, gray gravelly SILTY CLAY			7	4 7 9	7.46 B	12
			20		8	4 6 7	6.15 B	13
					9	4 6 9	6.31 B	13
	-30.2		25		10	3 8 9	4.92 S	13

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	N Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
		Boring terminated at 25.00 ft	30					
			35					
			40					
			45					
			50					

GENERAL NOTES

Begin Drilling: 04-07-2005 Complete Drilling: 04-07-2005
Drilling Contractor: Patrick Drilling Drill Rig: CME 75 TMR
Driller: J&L Logger: N. Davis Checked by: N. Davis
Drilling Method: 3.25" ID HSA; Boring backfilled with bentonite 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.

WANGENGINC 414070.GPJ WANGENG.GDT 5/4/05

FOR SIGN STRUCTURE AT STA. 2344+44

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Consulting Geotechnical and Environmental Engineers
wangeng3@wangeng.com
1145 Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

BORING LOG SB SGN 11B

WEI Job No.: 414-07-01

Client: T. Y. LIN International

Project: Dan Ryan Improvements; IDOT No. D-91-421-01

Location: From 95th Street to Souh of 69th Street

Datum: CCD
Elevation: -5.21 ft
North: 1855798.99 ft
East: 1177454.59 ft
Station: 2344+44
Offset: 103' RT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	-5.6	5-inch thick, black CLAY LOAM						
		--TOPSOIL--						
		Hard, brown and gray CLAY			1	2 4 4	4.76 B	18
		--FILL--						
	-8.2	Very stiff, brown and gray CLAY						
			5		2	3 4 5	2.54 B	18
					3	2 4 6	2.13 B	18
	-13.2	Hard, gray SILTY CLAY						
	-14.5	Medium dense, gray SILT	10		4	4 7 11	4.43 B	16
	-16.7	Hard, gray SILTY CLAY						
			15		5	4 7 8	5.41 B	13
					6	3 6 8	6.56 B	13
			20		7	5 5 8	5.74 B	12
					8	5 7 9	5.74 B	13
					9	4 6 8	4.84 B	14
			25		10	4 6 7	4.76 B	14

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	N Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	-33.2	Medium dense, gray SAND			11	7 9 9	5.08 B	15
	-34.0	Medium dense, gray SILT						
	-34.2	Hard, gray SILTY CLAY	30		12	7 7 6	NP	11
	-40.2		35		13	14 23 32	10.25 B	10
		Boring terminated at 35.00 ft	40					
			45					
			50					

GENERAL NOTES

Begin Drilling: 03-18-2005 Complete Drilling: 03-18-2005
Drilling Contractor: Patrick Drilling Drill Rig: CME 75 TMR
Driller: J&L Logger: Y. Shiu Checked by: N. Davis
Drilling Method: 3.25" ID HSA; Boring backfilled with bentonite 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.

WANGENGINC 414070.GPJ WANGENG.GDT 5/4/05

LEGEND

NP	NON-PLASTIC
B	BULGE FAILURE
S	SHEAR FAILURE
P	POCKET PENETROMETER

TY·LIN INTERNATIONAL

SHEET OF

REVISIONS NAME	DATE
REVISED	05/06/05

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
SOIL BORINGS FOR SIGN STRUCTURE AT STA. 2344+44

S.N.
SCALE: N.T.S.
DATE: MARCH 18, 2005
DESIGNED BY: DJR
DRAWN BY: DJR
CHECKED BY: JPM

P:\0237\road\ra\spl\adrsl2330.dgn 05/05/2005 08:56:08 AM