F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	•	COOK	860	852F
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. 2228+81

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 02-05

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 South of 69th Street

Datum: CCD
Elevation: 19.93 ft
North: 1844273.28 ft
East: 1177890.70 ft
Station: 2229+03.2
Offset: 134.44' RT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	19.9							
	19.1	2-inch thick, ASPHALT --PAVEMENT--						
		8-inch thick, CONCRETE --PAVEMENT--						
		Loose, brown SAND --FILL--			1	3 5 4	NP	10
			5		2	5 3 2	NP	11
	14.4	Medium stiff to stiff, brown and gray CLAY			3	3 2 2	1.39 B	24
			10		4	4 3 3	0.98 B	18
	9.4	Very soft, gray CLAY			5	1 1 1	0.25 B	23
			15		6	1 1 1	0.25 B	22
					7	1 1 1	0.25 B	23
			20		8	1 1 1	0.16 B	22
	1.6	Very stiff to hard, gray SILTY CLAY to SILTY CLAY LOAM, with gravel			9	1 2 3	2.05 B	14
			25		10	3 5 5	3.03 B	13
					11	5 7 9	4.10 B	12
			30		12	5 8 9	4.51 B	12
			35		13	6 12 15	3.85 B	11
			40		14	6 13 22	3.85 B	11
	-24.1	POSSIBLE BOULDER or BEDROCK --AUGER REFUSAL--	45		15	26 80/2.0	> 4.50 P	11
		Boring terminated at 44.00 ft	50					

GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	01-12-2004	Complete Drilling	01-12-2004	While Drilling	DRY
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	DRY
Driller	J&B	Logger	K. Jacob	Time After Drilling	NA
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion	Checked by	N. Davis	Depth to Water	NA

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

WANGENG.GDT 2/9/04 414070.GPJ WANGENGINC

FOR SIGN STRUCTURE AT STA. 2242+70

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 07A

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: 2.60 ft
North: 1845644.37 ft
East: 1177712.86 ft
Station: 2242+70
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 (%)
		14-inch thick, CONCRETE --PAVEMENT--						
	1.4	Medium dense to dense, brown GRAVELLY SAND --FILL--			1	9 6 24	NP	14
	1.9		5		2	12 30 50/5	NP	36
	-2.9	Very dense, blue-green GRAVELLY SAND --FILL-- --SLAG--			3	4 4 9	3.28 B	20
	-7.2	Very stiff to hard, gray SILTY CLAY	10		4	4 6 11	5.66 B	18
	-7.9	Medium dense, gray SILT			5	3 7 11	2.95 B	12
		Stiff to hard, gray gravelly SILTY CLAY to SILTY CLAY LOAM, with silt and gravel interbeds	15		6	6 12 16	1.64 S	12
					7	5 10 13	5.00 B	14
			20		8	5 9 11	4.02 B	12
					9	6 17 26	3.28 S	11
	-22.3		25		10	6 37 50/5	> 4.50 P	13
		Boring terminated at 24.90 ft	30					
			35					
			40					
			45					
			50					

GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	04-05-2005	Complete Drilling	04-05-2005	While Drilling	DRY
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	DRY
Driller	J&L	Logger	H. Suhail	Time After Drilling	NA
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion	Checked by	N. Davis	Depth to Water	NA

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

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

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 STRUCTURES AT STA. 2228+81 & STA. 2242+70

S.N.
SCALE: N.T.S.
DATE: MARCH 18, 2005

DESIGNED BY: DJR
DRAWN BY: DJR
CHECKED BY: JPM

05/05/2005 08:56:06 AM