F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	•	COOK	907	897E
STA. 1200+00.00	TO STA. 1365+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• (1516.1, 1717 & 1818) R-9				62695

FOR SIGN STRUCTURE AT STA. 1251+43

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 19B

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: -8.20 ft
North: 1846503.40 ft
East: 1177631.47 ft
Station: 1251+43
Offset: 10' RT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
		12-inch thick, CONCRETE --PAVEMENT--						
	-9.2							
	-9.8	7-inch thick, CRUSHED STONE --BASE COURSE--						
		Hard, gray CLAY			1	4 5 7	5.25 B	12
					2	10 11 12	5.25 B	12
			5					
					3	8 9 13	7.38 B	12
					4	10 9 13	6.23 B	12
			10					
					5	8 9 10	5.49 B	12
	-22.2							
		Dense to very dense, gray SILT to SILTY LOAM			6	9 16 25	NP	10
			15					
					7	13 34 52	NP	8
					8	13 29 40	NP	8
			20					
					9	24 43 42	NP	8
					10	26 50/4	NP	8
	-32.5							
			25					

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 24.33 ft						
			30					
			35					
			40					
			45					
			50					

GENERAL NOTES

Begin Drilling: 04-12-2005 Complete Drilling: 04-12-2005
Drilling Contractor: Patrick Drilling Drill Rig: CME 75 TMR
Driller: J&L Logger: H. Suhail 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. 1276+67

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 20A

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: 4.46 ft
North: 1849045.14 ft
East: 1177421.86 ft
Station: 1276+67
Offset: 92' LT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	4.0	6-inch thick, black SILTY CLAY LOAM --TOPSOIL--						
	3.0	Stiff, black and brown gravelly SILTY CLAY LOAM --FILL--			1	9 7 8	1.25 P	18
	1.5	Medium dense, brown SAND --FILL--			2	5 3 3	0.75 P	12
	0.5	Loose, brown and gray LOAM	5					
		Medium stiff, brown and gray CLAY			3	2 3 3	0.66 B	22
			10		4	1 3 3	0.57 B	22
					5	1 2 5	0.57 B	21
	-9.7							
		Very stiff to hard, gray gravelly SILTY CLAY to SILTY CLAY LOAM	15		6	1 2 4	0.98 B	21
					7	4 7 8	2.38 B	15
			20		8	8 9 12	2.71 B	12
					9	5 7 9	2.54 B	12
			25		10	7 9 12	4.02 B	12

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
			30		11	9 13 14	5.00 B	11
					12	10 11 14	4.84 S	11
					13	9 15 18	4.26 S	11
	-30.5		35		14	10 15 28	5.90 B	11
		Boring terminated at 35.00 ft						
			40					
			45					
			50					

GENERAL NOTES

Begin Drilling: 02-18-2005 Complete Drilling: 02-18-2005
Drilling Contractor: Patrick Drilling Drill Rig: CME 75 TMR
Driller: K&A Logger: J. Kasnick 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 STRUCTURES AT STA. 1251+43 & STA. 1276+67

S.N.
SCALE: N.T.S.
DATE: MARCH 25, 2005
DESIGNED BY: DJR
DRAWN BY: DJR
CHECKED BY: JPM