


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94		COOK	860	852B
STA. 2200+00.00		TO STA. 2362+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
				62694

FOR SIGN STRUCTURE AT STA. 227+29


**Wang Engineering, Inc.**  
 Consulting Geotechnical and Environmental Engineers  
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 1145 Main Street  
 Lombard, IL 60148  
 Telephone: 630 953-9928  
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**BORING LOG SB SGN 02A**  
 WEI Job No.: 414-07-01  
 Datum: CCD  
 Elevation: 1.83 ft  
 North: 1839454.10 ft  
 East: 1176183.41 ft  
 Station: 227+29  
 Offset: 48' LT

Client: T. Y. LIN International  
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01  
 Location: From 95th Street to South of 69th Street

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	N Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
1.1	8-inch thick, black LOAM --TOPSOIL-- Very stiff to hard, gray LOAM --FILL--	0-4.00	X	1	5 5 5	4.00 P	19	1.1		0-6.56	X	11	12 14 24	6.56 B	11
5.0		4.00-2.00	X	2	3 4 2	2.00 P	8	5.0		6.56-8.61	X	12	10 15 12	8.61 B	10
-3.7	Medium dense, gray SILT	2.00-10.0	X	3	3 10 11	NP	13	-3.7	Boring terminated at 30.50 ft	30.0					
-7.4	Medium dense, gray SAND	10.0-15.0	X	4	7 9 15	NP	16			35.0					
-8.7	Very stiff to hard, gray gravelly SILTY CLAY	15.0-20.0	X	5	4 5 7	3.69 B	14			40.0					
		20.0-40.0	X	6	4 12 13	4.50 P	10			45.0					
		40.0-45.0	X	7	7 11 9	6.31 B	12			50.0					
		45.0-50.0	X	8	7 14 13	5.74 B	11								
		50.0-55.0	X	9	7 12 15	7.38 B	11								
		55.0-60.0	X	10	4 20 22	8.61 B	10								

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	03-17-2005	Complete Drilling	03-17-2005	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&L	Logger	Y. Shiu	Time After Drilling	NA		
Checked by	N. Davis	Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion	Depth to Water	∇	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

FOR SIGN STRUCTURE AT STA. 227+29


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**BORING LOG SB SGN 02B**  
 WEI Job No.: 414-07-01  
 Datum: CCD  
 Elevation: 2.39 ft  
 North: 1839337.09 ft  
 East: 1176183.16 ft  
 Station: 227+29  
 Offset: 61' RT

Client: T. Y. LIN International  
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01  
 Location: From 95th Street to South of 69th Street

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	N Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
1.6	10-inch thick CONCRETE --PAVEMENT-- Very dense, brown coarse SAND --FILL--	0-11.57	X	1	11 57 50/44	NP	36	1.6	Boring terminated at 25.00 ft	0-30.0					
-3.4	Medium dense, blue coarse granular SLAG --FILL--	11.57-17.8	X	2	14 17 8	NP		-3.4		30.0					
-2.6	Loose, brown coarse SAND --FILL--	17.8-21.2	X	3	2 1 2	NP	18			35.0					
-6.1	Stiff to hard, gray SILTY CLAY	21.2-35.0	X	4	4 10 9	1.64 B	9			40.0					
		35.0-40.0	X	5	4 4 9	5.66 B	14			45.0					
-10.6	Hard, gray CLAY	40.0-45.0	X	6	3 4 7	5.25 B	16			50.0					
-13.1	Hard, gray SILTY CLAY	45.0-50.0	X	7	8 13 14	1.56 B	9								
		50.0-55.0	X	8	6 9 11	4.50 P	13								
		55.0-60.0	X	9	7 12 13	5.82 S	12								
		60.0-65.0	X	10	8 16 22	9.43 B	12								

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	05-09-2005	Complete Drilling	05-09-2005	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&R	Logger	Y. Shiu	Time After Drilling	NA		
Checked by	MLS	Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion	Depth to Water	∇	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

LEGEND

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

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE
ADDENDUM 1	05/27/05
REVISED	05/06/05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 94 (DAN RYAN EXPRESSWAY)  
 SOIL BORINGS FOR SIGN STRUCTURE  
 AT STA. 227+29

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