F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	70HB-R-1	COOK	283	212
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62897

Wang Engineering, INC.
Consulting Geotechnical and Environmental Engineers
wangeng@wangeng.com
1145 Main Street
Lombard, IL 60148
Telephone: 630 953-9928
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Page 1 of 2

BORING LOG B-06

WEI Job No.: 272-06-01

Client: **STV Incorporated**
Project: **IL 68 Bridges over US 14 and UPRR**
Location: **Sec 8; Palatine Twp.; Cook County**

Datum: NGVD
Elevation: 268.55 m
North: 606986.71 m
East: 318816.72 m
Station: 9+973.889
Offset: 14.814 RT

Profile	Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth Scale	Sample Type	Sample No.	SPT Values (blows/150 mm)	Qu (kPa)	Moisture Content (%)
		Dark brown SILTY LOAM --TOPSOIL--						
	268.2	Very stiff to hard, brown and gray SILTY CLAY --FILL--			1	2 3 5	>431 P	12
					2	4 5 9	638 B	16
					3	4 5 9	383 S	14
					4	8 15 24	550 S	17
					5	8 8 16	240 P	15
	263.9	Stiff to hard, gray SILTY CLAY			6	4 5 9	383 B	18
					7	3 7 10	222 B	17
					8	3 4 6	275 B	18
		LL=31%, PL=17% A-6 (12) GRAVEL=1.1% SAND=7.6% SILT=63.5% CLAY=37.8%			9	2 4 7	322 B	19
					10	3 4 7	189 B	21

Profile	Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth Scale	Sample Type	Sample No.	SPT Values (blows/150 mm)	Qu (kPa)	Moisture Content (%)
	264.4	Loose, gray SAND						
	263.1	Stiff to very stiff, gray SILTY CLAY			11	4 5 10	157 B	17
					12	3 5 8	238 B	20
					13	3 5 8	196 B	19
					14	6 8 13	243 B	19
					15	3 5 8	243 B	18
					16	4 5 8	243 B	26
					17	5 8 13	260 B	23
	254.7	Medium dense to dense, gray SILTY LOAM			18	6 8 9	330 B	22
					19	0 0 13	NP	16
					20	10 18 18	NP	7

GENERAL NOTES

Begin Drilling: 12-19-2005 Complete Drilling: 12-20-2005
Drilling Contractor: WEI Drill Rig: D120
Driller: G&F Logger: W. Wang Checked by: B. Fagiel
Drilling Method: 3.25-in HSA; Boring backfilled upon completion.

WATER LEVEL DATA

While Drilling: ▽ 10.21 m
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.

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BORING LOG B-06

WEI Job No.: 272-06-01

Client: **STV Incorporated**
Project: **IL 68 Bridges over US 14 and UPRR**
Location: **Sec 8; Palatine Twp.; Cook County**

Datum: NGVD
Elevation: 268.55 m
North: 606986.71 m
East: 318816.72 m
Station: 9+973.889
Offset: 14.814 RT

Profile	Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth Scale	Sample Type	Sample No.	SPT Values (blows/150 mm)	Qu (kPa)	Moisture Content (%)
	263.3	Very stiff to hard, gray SILTY CLAY			21	6 8 12	432 B	16
					22	5 8 15	583 B	18
					23	8 13 18		
					24	4 7 10	296 B	20
					25	5 10 15	275 B	21
					26	5 8	354 B	22

Profile	Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth Scale	Sample Type	Sample No.	SPT Values (blows/150 mm)	Qu (kPa)	Moisture Content (%)
					27	6 8 12	238 B	24
					28	6 9 14	383 B	18
		Boring terminated at 27.43 m			29	6 9 12	383 B	20

GENERAL NOTES

Begin Drilling: 12-19-2005 Complete Drilling: 12-20-2005
Drilling Contractor: WEI Drill Rig: D120
Driller: G&F Logger: W. Wang Checked by: B. Fagiel
Drilling Method: 3.25-in HSA; Boring backfilled upon completion.

WATER LEVEL DATA

While Drilling: ▽ 10.21 m
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.

SHT. S-27 OF S-27

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
IL ROUTE 68 OVER US ROUTE 14
F.A.P. ROUTE 343 SECTION 70HB-R-1
COOK COUNTY STATION 10+001.778
STRUCTURE NO. 016-2861

BORING LOGS

DESIGNED: BTO DRAWN: BTO
DATE: 10/06 CHECKED: JAN CHECKED: JAN

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