F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	70D-Y-B-R	COOK	283	185
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62897

BORING LOG B-10

Wang Engineering, INC.
wangeng@wangeng.com
1145 Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

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: 268.30 m
North: 606949.81 m
East: 319705.79 m
Station: 9+868.825
Offset: 8.027 LT

Profile Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type	Sample No.	SPT Values (Dia=50 mm)	Qu (kPa)	Moisture Content (%)
268.1	8-inch thick ASPHALT --PAVEMENT--						
267.5	CRUSHED STONE AGGREGATE --BASE COURSE--	1	AS	1	4	283 P	21
266.8	Stiff to very stiff, brown, black, and gray SILTY CLAY --FILL--	2	AS	2	5	133 B	20
		3	AS	3	7	212 S	24
263.8	Stiff, black SILTY CLAY	4	AS	4	5	144 P	28
263.1	Stiff, brown and gray SILTY CLAY	5	AS	5	3	172 B	25
261.5	Medium dense, brown SANDY LOAM, with gravel	6	SS	6	6	NP	12
		7	SS	7	10	NP	12
259.8	Very stiff to hard, gray SILTY CLAY	8	AS	8	9	307 B	19
		9	SS	9	9	535 B	15
257.3	Medium dense, gray SILTY LOAM	10	AS	10	6	NP	16
255.2	Stiff to hard, gray SILTY CLAY	11	SS	11	6	375 B	11
		12	AS	12	9	471 B	19
		13	SS	13	10	354 B	20
		14	AS	14	7	191 B	21
		15	SS	15	5	230 B	22
		16	AS	16	5	220 B	20
		17	SS	17	3	196 B	21
		18	AS	18	3	189 B	18
		19	SS	19	3	165 B	19
		20	AS	20	7	220 B	19

GENERAL NOTES

Begin Drilling: 12-23-2005 Complete Drilling: 12-23-2005
Drilling Contractor: WEI Drill Rig: D120
Driller: G&F Logger: I. Khan Checked by: B. Fugiel
Drilling Method: 3.25-in HSA; Boring backfilled 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.

BORING LOG B-10

Wang Engineering, INC.
wangingd@wangeng.com
1145 Main Street
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Telephone: 630 953-9928
Fax: 630 953-9938

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: 268.30 m
North: 606949.81 m
East: 319705.79 m
Station: 9+868.825
Offset: 8.027 LT

Profile Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type	Sample No.	N Values (Dia=50 mm)	Qu (kPa)	Moisture Content (%)
		21	AS	21	4 7 9	243 B	18
		22	SS	22	6 9 13	400 B	17
		23	SS	23	6 9 10	354 B	17
		24	AS	24	4 5 9	267 B	19
		25	SS	25	5 5 11	471 B	18
		26	AS	26	4 5 9	307 B	22
		27	AS	27	4 7 8	260 B	20

Profile Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type	Sample No.	N Values (Dia=50 mm)	Qu (kPa)	Moisture Content (%)
		28	AS	28	4 7 9	236 B	21
		29	AS	29	5 6 9	290 B	21
243.4	Boring terminated at 25.91 m						

GENERAL NOTES

Begin Drilling: 12-23-2005 Complete Drilling: 12-23-2005
Drilling Contractor: WEI Drill Rig: D120
Driller: G&F Logger: I. Khan Checked by: B. Fugiel
Drilling Method: 3.25-in HSA; Boring backfilled 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.

BORING LOG B-12

Wang Engineering, INC.
wangeng@wangeng.com
1145 Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

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: 269.44 m
North: 606939.57 m
East: 319721.34 m
Station: 9+878.838
Offset: 7.565 RT

Profile Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type	Sample No.	N Values (Dia=50 mm)	Qu (kPa)	Moisture Content (%)
269.1	12-inch thick ASPHALT --PAVEMENT--						
268.4	CRUSHED STONE AGGREGATE --BASE COURSE--	1	AS	1	11 14 5	982 B	
267.8	Hard, brown and gray SILTY CLAY LOAM --FILL--	2	SS	2	30/5 11	NP	6
267.0	Medium dense, brown SANDY GRAVEL --FILL--	3	AS	3	4 8 5	240 P	18
	Medium stiff to very stiff, brown and black SILTY CLAY --FILL--	4	AS	4	4 4 4	172 B	19
265.2	Stiff, black SILTY CLAY	5	AS	5	2 3 4	189 B	24
264.4	Medium stiff to stiff, brown, black, and gray CLAY LOAM	6	AS	6	2 3 3	140 B	29
		7	AS	7	2 3 3	88 B	19
261.8	Very stiff to hard, gray SILTY CLAY	8	AS	8	3 5 5	330 B	18
		9	SS	9	6 8 9	354 B	17
		10	AS	10	3 5 7	196 B	17

Profile Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type	Sample No.	N Values (Dia=50 mm)	Qu (kPa)	Moisture Content (%)
258.8	Medium dense, gray SILTY LOAM LL=20%, PL=13% A-4 (2) GRAVEL=10.8% SAND=22.7% SILT=48.9% CLAY=17.7%	11	AS	11	4 6 6	243 B	15
		12	SS	12	5 6 10	NP	15
258.1	Stiff to hard, gray SILT CLAY	13	AS	13	4 6 8	385 B	19
		14	AS	14	3 4 6	212 B	21
		15	SS	15	3 5 6	196 B	22
		16	SS	16	3 4 5	125 B	20
		17	AS	17	3 4 7	204 B	20
		18	AS	18	4 5 6	228 B	20
		19	SS	19	4 4 6	157 B	18
		20	AS	20	4 5 7	243 B	20

GENERAL NOTES

Begin Drilling: 12-22-2005 Complete Drilling: 12-22-2005
Drilling Contractor: WEI Drill Rig: D120
Driller: G&F Logger: W. Wang Checked by: B. Fugiel
Drilling Method: 3.25-in HSA; Boring backfilled upon completion

WATER LEVEL DATA

While Drilling: ▽ 14.17 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.

BORING LOG B-12

Wang Engineering, INC.
wangeng@wangeng.com
1145 Main Street
Lombard, IL 60148
Telephone: 630 953-9928
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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: 269.44 m
North: 606939.57 m
East: 319721.34 m
Station: 9+878.838
Offset: 7.565 RT

Profile Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type	Sample No.	N Values (Dia=50 mm)	Qu (kPa)	Moisture Content (%)
		21	AS	21	4 6 9	290 B	20
		22	SS	22	4 5 7	275 B	20
		23	SS	23	5 7 12	354 B	14
		24	SS	24	5 8 13	440 B	18
		25	AS	25	5 6 8	447 B	17
		26	AS	26	4 5 9	283 B	21
		27	SS	27	4 6 11	149 B	11

Profile Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type	Sample No.	N Values (Dia=50 mm)	Qu (kPa)	Moisture Content (%)
		28	SS	28	5 7 10	338 B	20
		29	SS	29	5 8 9	154 B	18
		30	AS	30	4 6 9	314 B	23
243.6	Boring terminated at 26.67 m						

GENERAL NOTES

Begin Drilling: 12-22-2005 Complete Drilling: 12-22-2005
Drilling Contractor: WEI Drill Rig: D120
Driller: G&F Logger: W. Wang Checked by: B. Fugiel
Drilling Method: 3.25-in HSA; Boring backfilled upon completion

WATER LEVEL DATA

While Drilling: ▽ 14.17 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.

NOTE:

For 1967 Soil Borings, see existing bridge plans for SN 016-0523.

SHT. S-31 OF S-34

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
IL ROUTE 68 OVER UPRR
F.A.P. ROUTE 343 SECTION 70D-Y-B-R
COOK COUNTY STATION 9+900.324
STRUCTURE NO. 016-2732

BORING LOGS

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

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