F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	3268F-R-1	COOK	279	160
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SHT. S-28 OF S-28

CONTRACT NO. 62387

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 B-3

Page 1 of 2

WEI Job No.: 272-05-01

Client: STV Incorporated
Project: IL Rte. 21 Bridge over Des Plaines River
Location: Sec. 19, T42N, R12E; Cook County, IL

Datum: NGVD
Elevations: 643.00 ft
Norths: ft
Easts: ft
Stations: 129+52.5
Offsets: 22 LT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (bw/6 in)	Qu (tsf)	Moisture Content (%)
	643.0	2-inch thick ASPHALT over 10-inch thick CONCRETE --PAVEMENT--						
	640.8	14-inch thick CRUSHED STONE --BASE COURSE--						
	640.0	Stiff, black CLAY LOAM --FILL--						
	639.0	8-inch thick CONCRETE						
		Medium dense, brown SANDY LOAM --FILL--	5		1	5 6 9	1.50 P	19
					2	16 20 15	NP	8
					3	17 7 5	NP	17
	633.5	Medium dense, black SANDY LOAM --POSSIBLE BURIED TOPSOIL--	10		4	18 7 7	NP	28
	630.0	Loose, dark gray SILTY LOAM			5	6 6 11	NP	22
			15		6	3 3 4	NP	26
	627.5	Medium stiff, gray CLAY, with sand interbeds --LL=58%, PL=25%--			7	2 2 3	0.82 B	31
	625.0	Dense to very dense, gray SILT			8	29 19 12	NP	14
			20		9	26 50/5"	NP	14
	619.0	Very stiff to hard, gray CLAY to SILTY CLAY	25		10	6 8 11	2.05 B	13
	613.2	Dense, gray SILT	30		11	5 8 14	2.30 B	14
					12	12 20 28	8.36 B	13
	609.0	Very stiff to hard, gray SILTY CLAY to CLAY	35		13	11 16 15	3.03 B	12
			40		14	8 10 15	4.10 B	14
			45		15	10 16 21	8.12 B	14
			50		16	13 16 23	5.99 B	14

GENERAL NOTES

Begin Drilling: 01-13-2004 Complete Drilling: 01-14-2004
Drilling Contractor: TSC Drill Rig: GP 750 C TMR
Driller: J & J Logger: S. Janowski Checked by: B. Fuglei
Drilling Method: 2.25" SSA to 10-feet; mud rotary thereafter

WATER LEVEL DATA

While Drilling: ▽ 18.00 ft
At Completion of Drilling: ▽ 8.00 ft
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-3

Page 2 of 2

WEI Job No.: 272-05-01

Client: STV Incorporated
Project: IL Rte. 21 Bridge over Des Plaines River
Location: Sec. 19, T42N, R12E; Cook County, IL

Datum: NGVD
Elevations: 643.00 ft
Norths: ft
Easts: ft
Stations: 129+52.5
Offsets: 22 LT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (bw/6 in)	Qu (tsf)	Moisture Content (%)
	586.3	Hard, gray, gravelly CLAY	55		17	12 18 35	4.76 B	12
	578.3	Boring terminated at 64.67 ft	60		18	27 50/5"	7.38 S	10
			65		19	33 39 50/5"	8.04 S	8
			70					
			75					

GENERAL NOTES

Begin Drilling: 01-13-2004 Complete Drilling: 01-14-2004
Drilling Contractor: TSC Drill Rig: GP 750 C TMR
Driller: J & J Logger: S. Janowski Checked by: B. Fuglei
Drilling Method: 2.25" SSA to 10-feet; mud rotary thereafter

WATER LEVEL DATA

While Drilling: ▽ 18.00 ft
At Completion of Drilling: ▽ 8.00 ft
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-1 (IDOT)

Page 1 of 2

WEI Job No.: 272-05-01

Client: STV Incorporated
Project: IL Rte. 21 Bridge over Des Plaines River
Location: Sec. 19, T42N, R12E; Cook County, IL

Datum: NGVD
Elevations: 642.50 ft
Norths: ft
Easts: ft
Stations: 129+40
Offsets: 12 RT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (bw/6 in)	Qu (tsf)	Moisture Content (%)
	642.5	12-inch thick CONCRETE --PAVEMENT--						
	640.2	16-inch thick CRUSHED STONE --BASE COURSE--						
		Stiff, brown, black, and gray CLAY --FILL--	5		2	3 3 3	-	16
					3	3 4 4	1.80 B	24
					4	3 4 4	1.30 B	25
	625.0	Loose, black, gray, and brown SAND and PEAT	10		5	3 4 4	NP	48
			15		6	3 2 4	NP	24
					7	1 2 2	NP	52
	619.5	Dense, light gray SILT, little sand --Wet--	20		8	4 14 17	NP	16
			25		9	28 27 19	NP	14
	609.5	Very stiff to hard, gray SILTY CLAY with occassional silt lenses			10	4 4 4	2.40 B	14
			30		11	5 8 12	4.90 B	15
					12	8 12 20	4.90 S	18
			35		13	10 16 22	6.50 S	12
					14	9 13 17	6.80 B	15
			40		15	7 10 15	6.60 B	14
					16	11 20 26	7.80 S	14
			45		17	18 35 50	4.80 S	17
					18	14 19 16	6.80 S	18
			50		19	26 26 26	10.20 S	13
					20	13 20 30	9.80 S	14

GENERAL NOTES

Begin Drilling: 10-02-1998 Complete Drilling: 10-02-1998
Drilling Contractor: Drill Rig:
Driller: Logger: Checked by:
Drilling Method:

WATER LEVEL DATA

While Drilling: ▽
At Completion of Drilling: ▽
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-1 (IDOT)

Page 2 of 2

WEI Job No.: 272-05-01

Client: STV Incorporated
Project: IL Rte. 21 Bridge over Des Plaines River
Location: Sec. 19, T42N, R12E; Cook County, IL

Datum: NGVD
Elevations: 642.50 ft
Norths: ft
Easts: ft
Stations: 129+40
Offsets: 12 RT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (bw/6 in)	Qu (tsf)	Moisture Content (%)
	596.0	Very dense, light gray SAND, SILT, CLAY, and STONE	55		21	40 40 43	NP	9
	583.6	Boring terminated at 58.92 ft			22	100/9"	NP	14
			60					
			65					
			70					
			75					

GENERAL NOTES

Begin Drilling: 10-02-1998 Complete Drilling: 10-02-1998
Drilling Contractor: Drill Rig:
Driller: Logger: Checked by:
Drilling Method:

WATER LEVEL DATA

While Drilling: ▽
At Completion of Drilling: ▽
Time After Drilling: NA
Depth to Water: ▽ NA

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

Notes:

For the location of Borings see sheet S-01.
The Boring information is furnished to the Bidders and Contractors for whatever value they may derive therefrom and is to be used at their own risk.

REVISIONS	
NAME	DATE

STV Incorporated
Engineers/Architects/Planners/Construction Managers
200 W. Monroe Street, Suite 1650
Chicago, IL 60606-5015
312/553-0655, FAX 312/553-0661

ILLINOIS DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 21
MILWAUKEE AVE. OVER DES PLAINES RIVER
F.A.P. ROUTE 374 SECTION 3268F-R-1
COOK COUNTY, SN 016-6566

BORING LOGS

DESIGN BY: APH DRAWN BY: APH
DATE: 02/05/08 CHECKED BY: JAW CHECKED BY: JAW