STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOG B-1

Page 1 of 2

Wang Engineering, Inc. — Consulting Geotechnical and Environmental Engineers
wangeng@wangeng.com
1145 N Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

WEI Job No.: 585-05-02
Client: Wills Burke Kelsey Associates
Project: IL Rte 40 (FAP 646) Bridge over Elkhorn Creek
Location: Sec. 8BR-1, Whiteside County, Illinois

Datum: NGVD
Elevation: 661.35 ft
North: 1884973.81 ft
East: 2422840.77 ft
Station: 945+04.60
Offset: 11.0' LT

Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	Medium dense, brown SAND and GRAVEL						
659.8	Stiff, brown SILTY CLAY	5		1	9 10 3	NP	
				2	4 6 6	1.10	24
				3	6 8 8	1.40	24
651.8	Loose to dense, brown SAND and GRAVEL	10		4	3 4 5	NP	
				5	2 2 2	NP	
		15		6	2 2 1	NP	
				7	1 1 2	NP	
		20					

Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
630.3	Very stiff to hard, gray CLAY						
		25		8	1 1 10		NP
				9	6 7 52		NP
		30		10	11 15 23		NP
		35		11	11 16 19	4.10 B	15
				12	17 21 26	3.70 B	15
				13	12 16 22	4.30 B	15
		40					

GENERAL NOTES

Begin Drilling: 07-23-1992 Complete Drilling: 07-23-1992
Drilling Contractor: IDOT Drill Rig:
Driller: IDOT Logger: Checked by:
Drilling Method: Wang rendering of boring drilled by IDOT, see attached original boring log

WATER LEVEL DATA

While Drilling: ▽ 17.50 ft
At Completion of Drilling: ▼ WASHED
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

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Datum: NGVD
Elevation: 661.35 ft
North: 1884973.81 ft
East: 2422840.77 ft
Station: 945+04.60
Offset: 11.0' LT

Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
		45		14	10 24 23	3.40 B	14
				15	15 17 20	2.90 B	14
				16	14 20 24	5.80 B	16
				17	12 29 30	5.80 B	15
		50		18	20 31 29	5.40 B	15
				19	10 13 14	3.90 B	33
		55		20	7 9 14	2.90 B	24
602.3	Boring terminated at 59.00 ft	60					

GENERAL NOTES

Begin Drilling: 07-23-1992 Complete Drilling: 07-23-1992
Drilling Contractor: IDOT Drill Rig:
Driller: IDOT Logger: Checked by:
Drilling Method: Wang rendering of boring drilled by IDOT, see attached original boring log

WATER LEVEL DATA

While Drilling: ▽ 17.50 ft
At Completion of Drilling: ▼ WASHED
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-2

Page 1 of 2

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WEI Job No.: 585-05-02
Client: Wills Burke Kelsey Associates
Project: IL Rte 40 (FAP 646) Bridge over Elkhorn Creek
Location: Sec. 8BR-1, Whiteside County, Illinois

Datum: NGVD
Elevation: 658.89 ft
North: 1884726.75 ft
East: 2422967.52 ft
Station: 942+21.93
Offset: 10.5' LT

Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	Medium dense, black SANDY LOAM						
				1	5 5 6	1.20 B	19
653.0	Soft to medium stiff, black LOAM w/CLAY	5		2	2 2 3	0.40 B	28
				3	3 3 5	0.50 P	32
		10		4	3 3 6	0.50 B	33
				5	2 4 4	0.70 B	35
		15		6	3 3 4	0.80 B	34
				7	2 3 4	0.90 B	30
639.5	Medium dense, brown SAND	20					

Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	and GRAVEL			8	12 6 4	NP	
637.0	Very stiff, gray CLAY to SILTY CLAY						
				9	6 14 15	3.20 B	17
		25		10	9 12 16	3.10 B	16
				11	10 11 17	2.30 B	16
		30		12	9 14 16	2.30 B	18
				13	8 11 15	3.10 B	18
		35		14	10 13 17	2.30 B	16
				15	4 12 16	2.00 B	26
		40					

GENERAL NOTES

Begin Drilling: 07-24-1992 Complete Drilling: 07-24-1992
Drilling Contractor: IDOT Drill Rig:
Driller: IDOT Logger: Checked by:
Drilling Method: Wang rendering of boring drilled by IDOT, see attached original boring log

WATER LEVEL DATA

While Drilling: ▽ 27.50 ft
At Completion of Drilling: ▼ 16.00 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.

DESIGNED -	AEU
CHECKED -	DLS
DRAWN -	AWH
CHECKED -	AEU

SOIL BORING LOGS
STRUCTURE NO. 098-0117

WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60174
(630) 443-7755

SHEET NO. 24
26 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	8BR-1	WHITESIDE	90	58
		CONTRACT NO. 84854		
	ILLINOIS	FED. AID PROJECT		

FILE NAME P:\CBBEL WEST Projects\2009\124102_WO9_IL40\Structural\Dgn\B968117-84854-024-SoilBoring01.dgn

PLOT CREATION DATE = 8/2/2010