

SOIL BORING B-1

Wang Engineering
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 Lombard, IL 60148
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BORING LOG B-1
 WEI Job No.: 703-01-01
 Client: **Zroka Engineering, P.C.**
 Project: **IL RTE 40 Bridge over Otter Creek**
 Location: **Carroll County, IL**

Datum: NGVD
 Elevation: 701.39 ft
 North: 1933347.84 ft
 East: 2393519.45 ft
 Station: 248+21.41
 Offset: 35.0 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
699.4	Very soft, brown SILTY CLAY LOAM	1	1	7	1.0	26	699.4	--RUN #2: 26 - 31 FEET-- --RECOVERY= 100%-- --RQD= 0%-- --TIME= 1.6 MIN./FEET--	1	1	7	1.0	26
699.4	Very stiff, brown SILTY CLAY LOAM	2	2	4	2.10	26	699.4		2	2	4	2.10	26
696.9	Soft, brown SILTY LOAM	5	3	2	0.40	35	696.9		5	3	2	0.40	35
694.4	Stiff, gray SILTY CLAY LOAM	4	4	2	1.10	27	694.4		4	4	2	1.10	27
691.9	Soft to medium stiff, gray SANDY LOAM to SILTY LOAM	10	5	1	0.30	38	691.9		10	5	1	0.30	38
688.4	Very dense, brown, weathered DOLOSTONE --WEATHERED BEDROCK--	8	6	26	NP	NP	688.4		8	6	26	NP	NP
684.0	Very poor, strong, highly fractured DOLOSTONE --BEDROCK-- --RUN #1= 21 - 26 FEET-- --RECOVERY= 100%-- --RQD= 0%-- --TIME= 1.4 MIN./FEET--	25	9	19	NP	NP	684.0		25	9	19	NP	NP
684.0	Very poor, strong, highly fractured DOLOSTONE --BEDROCK-- --RUN #1= 21 - 26 FEET-- --RECOVERY= 100%-- --RQD= 0%-- --TIME= 1.4 MIN./FEET--	25	10	13	NP	NP	684.0		25	10	13	NP	NP
684.0	Very poor, strong, highly fractured DOLOSTONE --BEDROCK-- --RUN #1= 21 - 26 FEET-- --RECOVERY= 100%-- --RQD= 0%-- --TIME= 1.4 MIN./FEET--	25	10	13	NP	NP	684.0		25	10	13	NP	NP
684.0	Very poor, strong, highly fractured DOLOSTONE --BEDROCK-- --RUN #1= 21 - 26 FEET-- --RECOVERY= 100%-- --RQD= 0%-- --TIME= 1.4 MIN./FEET--	25	10	13	NP	NP	684.0		25	10	13	NP	NP

GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	10-22-2007	Complete Drilling	10-22-2007
Drilling Contractor	IDOT	Drill Rig	
Driller	W. Garza	Checked by	
Drilling Method	Wang rendering of IDOT Boring Log	While Drilling	17.50 ft
		At Completion of Drilling	WASHED
		Time After Drilling	NA
		Depth to Water	NA

SOIL BORING B-1b

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BORING LOG B-1b
 WEI Job No.: 703-01-01
 Client: **Zroka Engineering, P.C.**
 Project: **IL RTE 40 Bridge over Otter Creek**
 Location: **Carroll County, IL**

Datum: NGVD
 Elevation: 705.80 ft
 North: 1933397.50 ft
 East: 2393526.51 ft
 Station: 248+41.41
 Offset: 11.0 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
704.6	ASPHALT --PAVEMENT--	0					704.6	ASPHALT --PAVEMENT--	0				
704.6	Very stiff, gray SILT	1	1	4	3.10	18	704.6	Very stiff, gray SILT	1	1	4	3.10	18
701.8	Medium stiff, dark brown SILTY CLAY LOAM with 7% organics	5	2	2	0.80	38	701.8	Medium stiff, dark brown SILTY CLAY LOAM with 7% organics	5	2	2	0.80	38
699.3	Stiff, light gray SILTY CLAY LOAM	3	3	1	1.00	26	699.3	Stiff, light gray SILTY CLAY LOAM	3	3	1	1.00	26
696.8	Brown and gray SILTY LOAM with silt lenses	10	4	2	0.30	26	696.8	Brown and gray SILTY LOAM with silt lenses	10	4	2	0.30	26
695.3	Gray and black, organic SILTY LOAM with silt lenses	5	5	2	0.30	33	695.3	Gray and black, organic SILTY LOAM with silt lenses	5	5	2	0.30	33
692.8	Dark and gray SILTY CLAY LOAM to SILTY LOAM with vegetation pockets	15	6	1	0.80	28	692.8	Dark and gray SILTY CLAY LOAM to SILTY LOAM with vegetation pockets	15	6	1	0.80	28
686.3	Tan and gray SANDY LOAM with gravel	20	9	2	0.16	21	686.3	Tan and gray SANDY LOAM with gravel	20	9	2	0.16	21
684.3	Medium dense, gray GRAVELLY SAND	10	10	13	NP	NP	684.3	Medium dense, gray GRAVELLY SAND	10	10	13	NP	NP

GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	05-24-2010	Complete Drilling	05-24-2010
Drilling Contractor	IDOT	Drill Rig	
Driller	W. Garza	Checked by	
Drilling Method	Wang rendering of IDOT Boring Log	While Drilling	DRY
		At Completion of Drilling	DRY
		Time After Drilling	NA
		Depth to Water	NA

SOIL BORING B-2

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BORING LOG B-2
 WEI Job No.: 703-01-01
 Client: **Zroka Engineering, P.C.**
 Project: **IL RTE 40 Bridge over Otter Creek**
 Location: **Carroll County, IL**

Datum: NGVD
 Elevation: 705.95 ft
 North: 1933324.56 ft
 East: 2393641.31 ft
 Station: 247+05.40
 Offset: 9.0 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
704.6	16-inch thick ASPHALT --PAVEMENT--	0					704.6	16-inch thick ASPHALT --PAVEMENT--	0				
704.6	Soft, brown SILTY CLAY LOAM	1	1	0.40	15	679.0	Very dense, brown, weathered DOLOSTONE --WEATHERED BEDROCK--	11	24	30	29	NP	
701.5	Stiff, brown SILTY CLAY LOAM	2	2	3	1.70	23	701.5	Very dense, brown, weathered DOLOSTONE --WEATHERED BEDROCK--	12	25	27	37	NP
699.3	Soft to medium stiff SANDY LOAM	5	3	3	0.80	15	699.3	Very poor, moderately strong to strong, highly fractured DOLOSTONE --BEDROCK-- --RUN #1: 31 - 36 FEET-- --RECOVERY= 100%-- --RQD= 0%-- --TIME= 2.2 MIN./FEET--	13	16	3	NP	
696.8	Medium stiff, brown and gray SILTY CLAY LOAM	10	4	2	0.30	17	696.8	Very poor, moderately strong to strong, highly fractured DOLOSTONE --BEDROCK-- --RUN #1: 31 - 36 FEET-- --RECOVERY= 100%-- --RQD= 0%-- --TIME= 2.2 MIN./FEET--	14	14	35	NP	
695.3	Medium stiff, brown and gray SILTY CLAY LOAM	5	5	2	0.80	38	695.3	Very poor, moderately strong to strong, highly fractured DOLOSTONE --BEDROCK-- --RUN #1: 31 - 36 FEET-- --RECOVERY= 100%-- --RQD= 0%-- --TIME= 2.2 MIN./FEET--	15	15	40	NP	
691.5	Medium stiff, dark gray LOAM, with sand lens	15	7	1	0.70	29	691.5	Very poor, moderately strong to strong, highly fractured DOLOSTONE --BEDROCK-- --RUN #1: 31 - 36 FEET-- --RECOVERY= 100%-- --RQD= 0%-- --TIME= 2.2 MIN./FEET--	16	16	45	NP	
689.0	Soft, dark gray LOAM, with organics	8	8	0	0.40	43	689.0	Very poor, moderately strong to strong, highly fractured DOLOSTONE --BEDROCK-- --RUN #1: 31 - 36 FEET-- --RECOVERY= 100%-- --RQD= 0%-- --TIME= 2.2 MIN./FEET--	16	16	45	NP	
686.5	Medium dense, gray dirty SAND	20	9	2	NP	NP	686.5	Very poor, moderately strong to strong, highly fractured DOLOSTONE --BEDROCK-- --RUN #1: 31 - 36 FEET-- --RECOVERY= 100%-- --RQD= 0%-- --TIME= 2.2 MIN./FEET--	16	16	45	NP	
684.0	Medium dense to very dense, gray GRAVELLY SAND	10	10	13	NP	NP	684.0	Very poor, moderately strong to strong, highly fractured DOLOSTONE --BEDROCK-- --RUN #1: 31 - 36 FEET-- --RECOVERY= 100%-- --RQD= 0%-- --TIME= 2.2 MIN./FEET--	16	16	45	NP	

GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	10-23-2007	Complete Drilling	10-23-2007
Drilling Contractor	IDOT	Drill Rig	
Driller	W. Garza	Checked by	
Drilling Method	Wang rendering of IDOT Boring Log	While Drilling	19.50 ft
		At Completion of Drilling	WASHED
		Time After Drilling	NA
		Depth to Water	NA

FILE NAME = ...E40B4-S0020051-019-Borings1.dgn



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 4216 North Hermitage
 Chicago, IL 60613

USER NAME = SAW	DESIGNED - PMM	REVISED -
	CHECKED - DAZ	REVISED -
PLOT SCALE = 0:2.0000 't' / in.	DRAWN - SAW	REVISED -
PLOT DATE = 8/1/2013	CHECKED - PMM	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BORING LOGS
 S.N. 008-0051

SHEET NO. 19 OF 19 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	5BR-3	CARROLL	84	42
CONTRACT NO. 64DB4				
ILLINOIS FED. AID PROJECT				