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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	543
STA. 3356+37.74	TO STA. 3359+24.72			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62410

O'BRIEN & ASSOCIATES, INC.
CONSULTING ENGINEERS
1235 E. DAVIS ST., ARLINGTON HTS., IL 60005
(847)255-1444 • FAX(847)398-2276

SOIL BORING LOG

PAGE 1 of 2
DATE April 15, 2002
LOGGED BY D & G
OBA JOB No. 02124

ROUTE FAP 307 DESCRIPTION North Avenue Bridge Widening Project
SECTION LOCATION North Avenue at the E.J. & E. RR, DuPage County, Illinois
COUNTY DuPage DRILLING METHOD 3.25" HSA/Rotary HAMMER TYPE CME Automatic
STRUCT. NO. Station
BORING NO. B-31
Station 3359+42
Offset 90.0' Right
Ground Surface Elev. 764' (ft)

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter n/a
Upon Completion n/a
After ____ Hrs.

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SANDY TOPSOIL-black			
	3		
	3		
SILTY CLAY to CLAY-brown & gray spotted black-stiff to very stiff (A-6) FILL	3	2.0P	18
	5		
-5.0	5	NP	17
	2		
	2		
	2	NP	20
	1		
	1		
-10.0	1	1.0P	22
SILTY CLAY-brown & gray spotted black-soft (A-6) WET, FILL	1		
	1		
	1	0.38	25
CLAYEY SAND & GRAVEL-brown & gray-loose (A-2-6) FILL	5		
	4		
-15.0	3	NP	13
CLAY-brown & gray-medium stiff (A-6) FILL	2		
	1		
	2	0.88	21
CLAY-gray-stiff to very stiff (A-6)	1		
	1		
-20.0	2	1.75P	16
CLAY-gray-stiff to very stiff (A-6)	3		
	5		
	6	1.25P	11
	3		
	2		
-25.0	4	2.5P	12
	5		
	6		
-30.0	10	2.75P	10
	3		
	6		
	8	2.0P	12
CLAYEY SAND & GRAVEL-gray-loose (A-2-6) FILL	6		
	6		
-35.0	8	1.25P	13
CLAY-brown & gray-medium stiff (A-6) FILL	6		
	6		
	9	1.25P	14
CLAY-gray-stiff to very stiff (A-6)	24		
	7		
-40.0	6	2.8B	17

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Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter n/a
Upon Completion n/a
After ____ Hrs.

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CLAY-gray-stiff to very stiff (A-6)	4		18
	7		
	9	2.4B	17
	4		16
-45.0	7	1.7B	19
CLAYEY SAND & GRAVEL-gray-medium dense to dense (A-2-6)	9		
	14		
	14	NP	17
	11		
	24		
-50.0	18	NP	12
	0		
	17		
-55.0	17	NP	7
	11		
	15		
-60.0	15	NP	11
CLAYEY SAND & GRAVEL-gray-medium dense to dense (A-2-6)	14		
	14		
	14		
	14		
-65.0	18	3.5P	9
SANDY CLAY to CLAY-gray-very stiff to hard (A-6)	14		
	14		
	18	7.0P	14
	22		
	19		
	30		
-75.0	50/5"	7.5P+	8
END OF BORING @ -75.0' Hollow Stem Augers CME Automatic Hammer			
-80.0			

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SECTION LOCATION North Avenue at the E.J. & E. RR, DuPage County, Illinois
COUNTY DuPage DRILLING METHOD 3.25" HSA/Rotary HAMMER TYPE CME Automatic
STRUCT. NO. Station
BORING NO. B-32
Station 3360+17
Offset 85.0' Right
Ground Surface Elev. 762.5' (ft)

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter n/a
Upon Completion n/a
After ____ Hrs.

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SANDY TOPSOIL-black (FILL)			
	4		
CLAY-dark brown spotted black-hard (A-6) FILL	7		
	9	4.75P	22
SILTY CLAY to CLAY-brown & gray-medium stiff to stiff (A-6) FILL	4		108
	3		
-5.0	4	1.9B	17
	1		
	1		
	2	1.0P	19
	1		
	1		
-10.0	1	0.5P	23
	1		
	1		
	2	0.5P	19
CLAY-brown & gray-soft (A-6)			106
-15.0	ST	0.4B	20
CLAY-gray-very stiff (A-6)			113
	ST	3.5B	18
SILTY LOAM-gray-medium dense (A-4)	5		
	7		
-20.0	4	NP	20
SILTY LOAM-gray-medium dense (A-4)	3		106
	5		
	7	2.0B	18
CLAY-gray-stiff to very stiff (A-6)	4		115
	4		
-25.0	8	1.2B	13
	6		121
	8		
	9	1.5B	12
	5		121
	8		
-30.0	9	2.3B	10
	3		128
	5		
	8	1.2B	11
CLAY-gray-very stiff to hard (A-6)	6		114
	12		
-35.0	50/5"	4.0B	12
	8		107
	11		
	15	2.8B	18
SAND, GRAVEL & FRACTURED STONE-gray-medium dense to very dense (A-2)	7		
	36		
-40.0	11	NP	7

PAGE 2 of 2
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Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter n/a
Upon Completion n/a
After ____ Hrs.

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SAND, GRAVEL & FRACTURED STONE-gray-medium dense to very dense (A-2)	10		
	11		
	14	NP	7
	14		
	14		
-45.0	17	NP	8
	15		
	15		
	14	NP	15
	17		
	20		
-50.0	17	NP	8
	20		
	17		
-55.0	13	NP	11
	16		
	15		
-60.0	15	NP	9
SAND, GRAVEL & FRACTURED STONE-gray-medium dense to very dense (A-2)			
-65.0			
CLAY-gray-very stiff (A-6)	10		115
	10		
	17	4.4B	14
END OF BORING @ -65.0' Hollow Stem Augers CME Automatic Hammer			
-70.0			

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COUNTY DuPage DRILLING METHOD 3.25" HSA/Rotary HAMMER TYPE CME Automatic
STRUCT. NO. Station
BORING NO. B-33
Station 3360+89
Offset 69.0' Right
Ground Surface Elev. 762' (ft)

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter n/a
Upon Completion n/a
After ____ Hrs.

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SANDY TOPSOIL-black (FILL)			
	5		
SILTY CLAY to CLAY-brown & gray-stiff to hard (A-6) FILL	7		
	10	1.25P	15
	2		107
	2		
-5.0	3	1.8B	19
	1		
	1		
	1	0.5P	21
	1		
	1		
-10.0	2	0.25P	24
	0		100
	0		
	2	1.0P	20
	1		
	1		
-15.0	1	0.5P	20
CLAY-gray-medium stiff to very stiff (A-6)	2		110
	3		
	5	1.6B	20
	4		109
	5		
-20.0	0	1.6B	16
CLAY-gray-medium stiff to very stiff (A-6)	3		103
	5		
	8	2.0B	18
	4		
	7		
-25.0	7	0.75P	15
	9		122
	10		
	15	2.0B	12
	10		
	13		
-30.0	15	4.25P	13
	9		132
	10		
	14	2.8B	10
	10		117
	10		
-35.0	15	2.8B	13
SAND, GRAVEL & FRACTURED STONE-gray-medium dense to very dense (A-2)	21		
	40		
	48	NP	10
	21		
	15		
-40.0	15	NP	9

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Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter n/a
Upon Completion n/a
After ____ Hrs.

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SAND, GRAVEL & FRACTURED STONE-gray-medium dense to very dense (A-2)	22		
	18		
	14	NP	7
	14		
	14		
-45.0	11	NP	12
	12		
	15		
	22	NP	16
	16		
	17		
-50.0	17	NP	8
	15		
	15		
-55.0	19	NP	19
-60.0			
CLAY-gray-stiff (A-6)	10		18.1
	14		
	17	1.5B	15
-65.0			
END OF BORING @ -60.0' Hollow Stem Augers CME Automatic Hammer			
-70.0			

NOTES:

1. For General Notes, see Sheet SE2.
2. For Boring locations, see Sheet SE1.
3. The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS=Vane Shear Test

   The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

   The Unit Dry Weight (pcf) is noted in italics above moist (%)

   NR-No Recovery

AECOM

REVISIONS NAME	DATE

F.A.P. ROUTE 307 ILLINOIS ROUTE 64
(NORTH AVENUE)
OVER E.J.&E. AND U.P. R.R.
SOIL BORING LOGS

STRUCTURE NUMBER 022-W030
FAP 307 SECTION 130 R-2
DUPAGE COUNTY
STA. 3359+16.23 TO 3366+75.00

SCALE: None DRAWN BY: MRK
DATE: MAY 13, 2011 CHECKED BY: RDP