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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	542
STA. 3356+37.74		TO STA. 3359+24.72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62410

SOIL BORING LOG

O'BRIEN & ASSOCIATES, INC.
CONSULTING ENGINEERS
1535 E. DAVIS ST./ARLINGTON HTS., IL 60005
(847)398-1414 • FAX(847) 398-2276

PAGE 1 of 2
DATE April 4, 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-27
Station 3355+41
Offset 83.0' Right
Ground Surface Elev. -766.4

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevations:
First Encounter -757.9
Upon Completion n/a
After Hrs.

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
SANDY CLAY- brown & black (FILL)			
-5.0	3 4 5	2.0P	24
SILTY CLAY-dark brown- very stiff (A-6) FILL			
CRUSHED STONE (FILL)			
CLAY- brown & gray- very stiff to hard (A-6)	6 6 7	3.2B	15
	6 6 7	3.4B	16
	6 9 12	6.4B	17
-10.0	13 17 19	4.8B	16
CLAY- gray-stiff to hard (A-6)	8 9 9	5.25P	18
-15.0	7 9 9	4.8B	19
SANDY CLAY to CLAY- gray-medium stiff to stiff (A-6)	4 4 6	0.8B	13
-20.0			

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
SANDY CLAY to CLAY- gray-medium stiff to stiff (A-6)	4 5 11	1.2B	12
SANDY CLAY to SANDY CLAY LOAM- gray-stiff (A-6)	6 9 9	NP	12
-25.0	5 6 6		16
CLAY- gray-stiff (A-6)	6 7 8	1.2B	12
-30.0	7 9 13	1.2B	12
	9 10 10	1.5P	11
CLAY- gray-soft (A-6)	4 4 4	0.4B	19
CLAY- gray-very stiff to hard (A-6)	4 7 11	4.2B	13
-40.0			

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Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevations:
First Encounter -757.9
Upon Completion n/a
After Hrs.

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
CLAY- gray-very stiff to hard (A-6)	10 10 10	3.6B	17
-45.0	11 9 13	3.2B	15
CLAYEY SAND & STONE- gray-dense to very dense (A-6)	36 17 17	NP	5
-50.0	23 28 23	NP	7
	26 28 41	NP	5
END OF BORING @ -52.5' Hollow Stem Augers CME Automatic Hammer			
-55.0			
-60.0			
-65.0			
-70.0			
-75.0			
-80.0			

SOIL BORING LOG

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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-28
Station 3356+10
Offset 88.0' Right
Ground Surface Elev. -766.1

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 (%)
CLAYEY SAND & STONE (FILL)	12		
CLAY- brown & gray- stiff to very stiff (A-6)	6 4 6	NP	10
	6 7 7	1.7B	15
	6 6 7		16
	6 7 7	2.0B	17
	8 10 15	3.0P	18
CLAY- gray-very stiff (A-6)	3 9 9	2.8B	19
SILTY CLAY LOAM to SILTY LOAM- brown & gray-medium dense (A-6)	7 14 10	NP	20
CLAY- gray-medium stiff to very stiff (A-6)	3 4 6	2.0B	19
-20.0	3 4 6	1.6B	18

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
CLAY- gray-medium stiff to very stiff (A-6)	3 4 5	2.0P	12
-25.0	3 3 5	0.9B	13
	5		107
	6 7 11	2.1B	12
-30.0	6 7 9	1.6B	11
	8 9 12	1.5P	13
	7 9 9	2.0P	12
	7 10 11	0.5P	17
CLAY- gray-hard (A-6)	9 12 15	4.4B	12
-40.0			

SOIL BORING LOG

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PAGE 2 of 2
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ROUTE FAP 307 DESCRIPTION North Avenue Bridge Widening Project
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STRUCT. NO.
Station
BORING NO. B-28
Station 3356+10
Offset 88.0' Right
Ground Surface Elev. -766.1

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-hard (A-6)	9 24 17	NP	8
CLAYEY SAND, GRAVEL & FRACTURED STONE- gray- medium dense to very dense (A-6)			
CLAYEY SAND, GRAVEL & FRACTURED STONE- gray- medium dense to very dense (A-6)	12 15 15	NP	8
-50.0	14 18 17	NP	10
	17 12 10	NP	10
-55.0	17 18 24	NP	5
-60.0	28 30 24	NP	7

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
CLAY- gray-very stiff (A-6)	12 12 13	3.7B	15
-65.0			113
-70.0	12 16 28	2.5B	18
SILT- gray-dense (A-4)	47 26 15	NP	20
END OF BORING @ -75.0' Hollow Stem Augers CME Automatic Hammer			
-75.0			
-80.0			

SOIL BORING LOG

O'BRIEN & ASSOCIATES, INC.
CONSULTING ENGINEERS
1535 E. DAVIS ST./ARLINGTON HTS., IL 60005
(847)398-1414 • FAX(847) 398-2276

PAGE 1 of 2
DATE January 6, 2003
LOGGED BY RH
OBA JOB No. 02335

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-29
Station 3356+82
Offset 62' Right
Ground Surface Elev. -766.1

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 757.1 WD
Upon Completion n/a
After Hrs.

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
CRUSHED STONE with Clay- 2" nominal aggregate size-very dense (FILL)	48 37 39	NP	5
CLAY brown & gray spotted black- medium stiff to stiff (CL)	2 2 3	1.5P	19
-5.0	2 2 1	0.75P	23
	0 1 1	0.75P	23
CLAY-brown & gray- hard (A-6)	10 12 14	4.0B	16
CLAY-gray- stiff to very stiff (A-6)	6 6 7	2.8B	19
-15.0	5 7 8	2.4B	19
	6 8 8	3.6B	19
-20.0			

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
CLAY-gray- stiff to very stiff (A-6)	3 5 4	0.9B	15
CLAY to CLAY LOAM- gray-medium stiff (A-6)	5 4 4	0.9B	15
-25.0	10 14 16	3.6B	13
CLAY-gray- very stiff (A-6)	10 11 13	2.2B	14
-30.0	8 8 9	3.2B	12
	7 9 11	3.2B	11
	7 10 12	2.8B	12
-35.0	8 10 13	2.8B	12
	8 7 7	2.7B	12
SANDY CLAY LOAM- gray-dense (A-2-6)	10 12 26	NP	9
-40.0			

SOIL BORING LOG

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ROUTE FAP 307 DESCRIPTION North Avenue Bridge Widening Project
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COUNTY DuPage DRILLING METHOD 3.25" HSA/Rotary HAMMER TYPE CME Automatic
STRUCT. NO.
Station
BORING NO. B-29
Station 3356+82
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Ground Surface Elev. -766.1

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 757.1 WD
Upon Completion n/a
After Hrs.

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
SANDY CLAY LOAM- gray-dense (A-2-6)	12 18 24	NP	6
SAND & GRAVEL- gray-dense to very dense (A-1)	11 17 21	NP	6
-45.0	16 24 28	NP	13
-50.0	14 15 28	NP	8
	16 28 32	NP	8
END OF BORING @ -52.5' Hollow Stem Augers CME Automatic Hammer			
-55.0			
-60.0			
-65.0			
-70.0			
-75.0			
-80.0			

NOTES:

1. For General Notes, see Sheet SW2.
2. For Boring locations, see Sheet SW2.
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

Sheet SB7 of 10

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-W029
FAP 307 SECTION 130 R-2
DUPAGE COUNTY
STA. 3350+69.00 TO 3356+80.01

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