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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE,KANE	647	538
STA. 3356+37.74		TO STA. 3359+24.72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62410

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

O'BRIEN & ASSOCIATES, INC.
CONSULTING ENGINEERS
1235 E. DAVIS ST./ARLINGTON HTS., IL 60005
(847)259-1414 • FAX(847) 259-2276

SOIL BORING LOG

PAGE 1 of 2
DATE December 9, 2002
LOGGED BY CC
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-10
Station 3358+73
Offset 105' Left
Ground Surface Elev. 760

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevations:
First Encounter 729.0 WD
Upon Completion 727.0 AB
After Hrs.

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
	11			CLAYEY TOPSOIL- dark brown & black (FILL)
	13			
	13	N*	15	CLAY LOAM- brown-medium dense (A-4) Apparent Fill
	4			
	4			SANDY LOAM- brown-loose (A-2-4) Apparent Fill
-5.0	4	NP	12	
	10			
	11			SAND with GRAVEL- brown-medium dense (A-1-b)
	17	NP	8	
	7			
	11			CLAY- gray-stiff to hard (A-6)
-10.0	11	3.3B	16	
	6			
	11			
	12	2.9B	13	SANDY CLAY- gray-hard (A-6)
	4			
	8			
-15.0	9	2.7B	19	
	7			
	8			CLAY- gray-hard (A-6)
	11	2.5B	18	
	5			
	6			
-20.0	10	4.75P	13	

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
	5			CLAY- gray-stiff to hard (A-6)
	6			
	17	1.0B	12	
	15			
-25.0	17	2.5B	11	
	24			
	25			
	32	3.4B	10	
	18			
	20			
-30.0	21	4.0B	12	
	14			
	17			
	24	4.5+P	13	
-35.0	11	4.5P	13	
	15			
	21			
	32	5.3B	16	
	50/4"			
-40.0		3.3B	16	

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COUNTY DuPage DRILLING METHOD 3.25" HSA/Rotary HAMMER TYPE CME Automatic

STRUCT. NO.
Station
BORING NO. B-11
Station 3359+42
Offset 98' Left
Ground Surface Elev. 760.0

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevations:
First Encounter 760 WD
Upon Completion 750 AB
After Hrs.

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
	10			CLAYEY TOPSOIL- dark brown & black (FILL)
	11			
	14	NP	17	SILTY CLAY LOAM- brown & gray-medium dense (A-4) Apparent Fill
	6			
	10			SAND with GRAVEL- brown-medium dense (A-1-b)
-5.0	10	NP	10	
	7			
	11			CLAY- gray-hard (A-6)
	12	3.6B	13	
	5			
	8			
-10.0	14	4.5B	16	
	5			
	7			
	10	NP	23	SILTY LOAM to SILT- gray-medium dense (A-4)
	10			
	11			CLAY- gray-stiff to very stiff (A-6)
-15.0	14	1.6B	18	
	6			
	10			
	11	1.4B	18	
	6			
	7			
-20.0	8	1.0P	13	

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
	6			CLAY- gray-stiff to very stiff (A-6)
	8			
	14	1.0P	13	
	21			
	25			
-25.0	27		NR	Drillers Note: Cobbles from -23.5' to -33.0'
	18			
	28			
	21	2.25P	11	
	8			
	11			
-30.0	18	2.8B	11	
	29			
	40	4.0B		
	50/3"		12	CLAY- gray-hard (A-6)
	8			
	11			
-35.0	14	5.2B	13	
	5			
	12			
	16	3.3B	15	
	8			
	12			
-40.0	23	5.0B	16	

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SOIL BORING LOG

PAGE 1 of 2
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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-12
Station 3360+17
Offset 80' Left
Ground Surface Elev. 760.0

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevations:
First Encounter 725.0 WD
Upon Completion 721.5 AB
After Hrs.

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
	10			CLAYEY TOPSOIL- dark brown to black
	13			
	16	NP	15	SILTY LOAM- brown & gray-medium dense (A-4)
	5			
	6			CLAY- grey-very stiff (A-6)
-5.0	6	1.6B	14	
	4			
	11			SILT- grey-medium dense (A-4)
	11	NP	19	
	3			
	3			CLAY- grey-stiff to very stiff (A-6)
-10.0	5	1.1B	20	
	4			
	4			
	7	1.0B	9	
	4			
	7			
-15.0	9	1.2B	19	
	4			
	7			
	10	1.6B	18	Fractured STONE- very dense (A-1-a)
	6			
	7			SAND & GRAVEL- gray-dense to very dense (A-1)
-20.0	10	1.2B	13	

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
	12			CLAY- gray-stiff to very stiff (A-6)
	10			
	14	2.1B	12	
	13			
	11			CLAY- gray-very stiff -to hard (A-6)
-25.0	12	1.5B	12	
	4			
	11			
	15	1.4B	12	
	15			
	19			
-30.0	24	4.5+P	10	
	8			
	12			
	17	3.4B	13	
	11			
	15			
-35.0	28	3.3B	17	
	50/5"			
			NP	8
	11			
	16			
-40.0	28	NP	9	

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Stream Bed Elev. n/a
Groundwater Elevations:
First Encounter 729.0 WD
Upon Completion 727.0 AB
After Hrs.

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
	46			CLAY- gray-hard (A-6)
	50/4"			
		NP	10	SAND with GRAVEL- gray-very dense (A-1-b)
	14			
	16			
-45.0	21	NP	19	Fine SAND- gray-medium dense to very dense (A-3)
	10			
	12			
	14	NP	21	
	11			
	11			SAND & GRAVEL- gray-medium dense to very dense (A-1)
-50.0	9	NP	7	
	12			
	19			
	29	NP	10	
	19			
	24			
-55.0	28	NP	11	
	16			
	19			
	22	NP	8	
	14			
	18			END OF BORING @ -60.0' Hollow Stem Augers CME Automatic Rammer
-60.0	28	NP	11	

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
	10			
	14			
	19	3.2B	17	
	11			
	16			
-45.0	25	3.5B	13	
	34			
	26			
	23	NP	7	Fractured STONE & GRAVEL- very dense (A-1-a)
	22			
	29			
-50.0	31	NP	12	
	19			
	26			
	28	NP	5	END OF BORING @ -52.5' Hollow Stem Augers CME Automatic Rammer
-55.0				
-60.0				
-65.0				
-70.0				
-75.0				
-80.0				

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Stream Bed Elev. n/a
Groundwater Elevations:
First Encounter 760 WD
Upon Completion 750 AB
After Hrs.

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
	10			CLAY- gray-hard (A-6)
	14			
	19	3.2B	17	
	11			
	16			
-45.0	25	3.5B	13	
	34			
	26			
	23	NP	7	Fractured STONE & GRAVEL- very dense (A-1-a)
	22			
	29			
-50.0	31	NP	12	
	19			
	26			
	28	NP	5	END OF BORING @ -52.5' Hollow Stem Augers CME Automatic Rammer
-55.0				
-60.0				
-65.0				
-70.0				
-75.0				
-80.0				

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Stream Bed Elev. n/a
Groundwater Elevations:
First Encounter 725.0 WD
Upon Completion 721.5 AB
After Hrs.

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
	12			SAND & GRAVEL- gray-dense to very dense (A-1)
	18			
	31	NP	12	
	15			
	39			
-45.0	44	NP	8	
	18			
	42			
	48	NP	8	END OF BORING @ -47.5' Hollow Stem Augers CME Automatic Rammer
-50.0				
-55.0				
-60.0				
-65.0				
-70.0				
-75.0				
-80.0				

NOTES:

1. For General Notes, see Sheet NE2.
2. For Boring locations, see Sheet NE1.
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 SB3 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-W028
FAP 307 SECTION 130 R-2
DUPAGE COUNTY
STA. 3358+66.25 TO 3366+48.00
SCALE: None DRAWN BY: MRK
DATE: MAY 13, 2011 CHECKED BY: RDP