Illinois Department of Transportation
Division of Highways
Applied GeoScience, Inc.

SOIL BORING LOG

Date 12/18/07

ROUTE FAP 870 (IL 53) DESCRIPTION Over the East Branch of the DuPage River LOGGED BY Kabir Ahmad

SECTION 533X LOCATION SEC. 13, TWP. 39 N, RNG. 10 E

COUNTY DuPage DRILLING METHOD Mud Rotary HAMMER TYPE CME Automatic

STRUCT. NO. 022-0181 (prop.) 022-0077 (exist.)
Station

BORING NO. B-2
Station 916+19
Offset 44.00ft Rt
Ground Surface Elev. 682.00 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 676.0 ft
Upon Completion ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Weathered limestone, silt and stone, light gray, wet, dense *(continued)*				
640.00				
Weathered limestone, silt, and stone, gray, wet, medium dense to dense		5		
	-45	5 7		13.0
		5		
	-50	20 26		8.0
632.00				
End of Boring				
	-55			
	-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

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SECTION 533X LOCATION SEC. 13, TWP. 39 N, RNG. 10 E

COUNTY DuPage DRILLING METHOD Mud Rotary HAMMER TYPE CME Automatic

STRUCT. NO. 022-0181 (prop.) 022-0077 (exist.)
Station

BORING NO. B-3
Station 916+64
Offset 46.00ft Rt
Ground Surface Elev. 683.60 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 678.1 ft
Upon Completion ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Black peat				
682.60				
Peat, topsoil, some clay, trace stone, moist, dark brown, loose		3		
		4 4		54.0
680.60				
Silty clay, topsoil, trace roots and stone, dark gray, medium stiff		2		
	-5	3 3	0.8 B	29.0
677.60				
Fine to medium sand, some silty clay, gray, wet, loose		2		
		3 3		20.0
675.60				
Silty loam, gray, wet, loose		3		
	-10	4 5	1.9 P	22.0
672.60				
Fine to medium sand, some stone and silt, gray, wet, medium dense		5		
		10 13		20.0
670.60				
Fine to coarse sand, trace silt, gray, wet, medium dense		5		
	-15	7 10		19.0
667.60				
Silty clay, gray, very stiff		4		
		5 10	1.9 P	19.0
665.60				
Fine gravel and coarse sand, some stone, gray, wet, medium dense		5		
	-20	7 10		7.0

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Fine gravel and coarse sand, some stone, gray, wet, medium dense *(continued)*				
662.60		10		
Sandy clay loam, gray, wet, dense		19 21		13.0
660.60				
Coarse sand and stone, gray, wet, medium dense		5		
	-25	7 12		11.0
		7		
		9 13		8.0
655.60				
Coarse sand and fine gravel, gray, wet, medium dense		7		
	-30	10 14		11.0
651.60				
Fine to large stones and coarse sand, gray, wet, medium dense		9		
	-35	11 14		11.0
647.60				
Weathered limestone, silt, some stone, light gray, wet, medium dense		5		
	-40	9 13		12.0

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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SECTION 533X LOCATION SEC. 13, TWP. 39 N, RNG. 10 E

COUNTY DuPage DRILLING METHOD Mud Rotary HAMMER TYPE CME Automatic

STRUCT. NO. 022-0181 (prop.) 022-0077 (exist.)
Station

BORING NO. B-3
Station 916+84
Offset 46.00ft Rt
Ground Surface Elev. 683.60 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 678.1 ft
Upon Completion ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Weathered limestone, silt, some stone, light gray, wet, medium dense *(continued)*				
641.60				
Coarse sand and weathered limestone, gray, wet, medium dense		4		
	-45	5 13		16.0
		3		
	-50	5 9		12.0
633.60				
End of Boring				
	-55			
	-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

JACOBS

	DESIGNED - LJH	REVISED -	
	DRAWN - FJD	REVISED -	
PLOT SCALE =	CHECKED - JSS	REVISED -	
PLOT DATE = 10/9/2020	DATE - 10/15/08	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. ROUTE 870 (ILLINOIS 53) OVER EAST BRANCH DUPAGE RIVER

SOIL BORING LOGS

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	533-X-B-R-1	DUPAGE	87	57
		CONTRACT NO. 60B95		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

FILE NAME = P:\2002\020019.024\Cad\Structures\SN022-0181 Final\Sheets\022181-60B95-022-BOR-2.dgn