SOIL BORING LOG

O'BRIEN & ASSOCIATES, INC.
CONSULTING ENGINEERS
1235 E. DAWS ST./ARLINGTON HTS., IL 60005
(847)398-1441 • FAX(847) 398-2376

PAGE 1 of 1
DATE August 22, 2011
LOGGED BY TOB
OBA JOB No. 11585

ROUTE F.A.P. RTE. 330
DESCRIPTION I-190 Collector-Distribution Roadway Improvements
SECTION 0105-WRS
LOCATION Mannheim Road Reconstruction, I-190 to North of Higgins, Chicago, IL
COUNTY Cook
DRILLING METHOD Straight Flight Auger
HAMMER TYPE CME Automatic

STRUCT. NO. –
Station –
BORING NO. HR-01
Station 494+83
Offset 39.6 ft Right
Ground Surface Elev. 638.8 ft

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
4.0" ASPHALT, 8.0" CONCRETE, 3.0" STONE	637.6				
SANDY CLAY-brown & black stiff (A-6) Fill			5		
			4		
			5	1.5P	10
	635.3				
			1		93
wet			2		
		-5	4	1.8B	26
CLAY-brown & gray- stiff (A-6)					
			2		103
			2		
			4	1.9B	23
	630.3				
CLAY-gray- hard (A-6)			6		112
			10		
	628.8	-10	16	8.2B	17
End of Boring @ -10.0' CME Automatic Hammer					
		-15			
		-20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
-25			
-30			
-35			
-40			

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SECTION 0105-WRS
LOCATION Mannheim Road Reconstruction, I-190 to North of Higgins, Chicago, IL
COUNTY Cook
DRILLING METHOD Straight Flight Auger
HAMMER TYPE CME Automatic

STRUCT. NO. –
Station –
BORING NO. HR-02
Station 498+01
Offset 45.7 ft Right
Ground Surface Elev. 639.4 ft

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SILTY CLAY LOAM (Topsoil)-black- very stiff (A-7) wet			3		
LL=41 PL=19 PI=22			5		
			6	2.0P	26
	635.4				
			2		
			4		
		-5	5	1.5P	18
CLAY-brown & gray- stiff to very stiff (A-6)					
			3		110
			5		
			6	3.5B	18
	630.9				
CLAY-gray- hard (A-6)			7		117
			12		
	629.4	-10	12	4.7B	15
End of Boring @ -10.0' CME Automatic Hammer					
		-15			
		-20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
-25			
-30			
-35			
-40			

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DESCRIPTION I-190 Collector-Distribution Roadway Improvements
SECTION 0105-WRS
LOCATION Mannheim Road Reconstruction, I-190 to North of Higgins, Chicago, IL
COUNTY Cook
DRILLING METHOD Straight Flight Auger
HAMMER TYPE CME Automatic

STRUCT. NO. –
Station –
BORING NO. HR-03
Station 502+07
Offset 47.5 ft Right
Ground Surface Elev. 638.8 ft

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Black TOPSOIL	637.8				
			1		
wet			2		
			5	1.5P	26
CLAY-brown & gray- stiff to hard (A-6)					
			3		113
			6		
		-5	6	5.4B	16
			5		106
			14		
			11	4.6B	16
	630.8				
End of Boring @ -8.0': obstruction CME Automatic Hammer					
		-10			
		-15			
		-20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
-25			
-30			
-35			
-40			

BOR-12

DELTA ENGINEERING GROUP, LLC

USER NAME = kkhan	DESIGNED	REVISED -
	DRAWN	REVISED -
PLOT SCALE = $SCALE$	CHECKED	REVISED -
PLOT DATE = 10/10/2012	DATE 10/19/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG
HIGGINS ROAD

SCALE: 1" = 50' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105-WRS	COOK	537	343
		CONTRACT NO. 60P35		
		ILLINOIS FED. AID PROJECT		

FILE NAME = c:\caddlib\pw\kkhan\pwgreat_lakes\dms47849\D160P35-sht-bor-12.dgn