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 September 7, 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. NMR-31
Station 143+89
Offset 79.3 ft Left
Ground Surface Elev. 634.7 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 FILL wet					33
	633.2		2		115
			5		
			5	3.5B	17
SILTY CLAY-brown &/or gray-very stiff (A-6) Possible FILL			3		112
			5		
		-5	6	2.9B	19
			3		117
			6		
			8	3.7B	16
	626.2				
SILTY CLAY-brown-very stiff (A-6)			4		103
			4		
	624.7	-10	6	2.5B	23
End of Boring @ -10.0' CME Automatic Hammer					
		-15			
		-20			

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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. ZB-01
Station 15+22
Offset 57.1 ft Right
Ground Surface Elev. 638.1 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 (%)
CLAY-dark brown (A-6) FILL	637.6				
CLAY-brown & gray-stiff to hard (A-6)			2		98
			1		
			2	1.8B	23
			2		99
			3		
		-5	6	2.1B	23
			5		
			9		
			15	4.5+P	20
	629.6				
CLAY-gray-very stiff (A-6)			5		110
			5		
	628.1	-10	9	3.2B	20
End of Boring @ -10.0' CME Automatic Hammer					
		-15			
		-20			

SOIL BORING LOG

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PAGE 1 of 1
DATE August 16, 2011
LOGGED BY JW
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. ZB-02
Station 20+11
Offset 1.8 ft Left
Ground Surface Elev. 639.9 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) Fill wet			3		
			4		
LL=41 PL=23 PI=18			4	2.0P	28
	636.4				
CLAY-mottled brown & gray-very stiff (A-6)			3		103
			5		
		-5	8	3.8B	23
	633.9				
CLAY-brown & gray-very stiff to hard (A-6)			3		110
			3		
			3	3.0B	20
			5		114
			7		
	629.9	-10	10	6.1B	17
End of Boring @ -10.0' CME Automatic Hammer					
		-15			
		-20			

BOR-11

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
MANNHEIM ROAD AND ZEMKE BLVD

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	342
		CONTRACT NO. 60P35		
		ILLINOIS FED. AID PROJECT		

FILE NAME = c:\caddlib\pw\kkhan\pwgreat_lakes\dms47849\D160P35-sht-bor-11.dgn