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 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. NMR-16
Station 168+28
Offset 49.0 ft Left
Ground Surface Elev. 641.7 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 (%)
6.0" Black GRAVEL FILL	641.2				
SILTY CLAY LOAM-brown, spotted black-very stiff (A-6) FILL			3		97
LL=34 PL=18 PI=16			3		
			3	2.1B	17
			3		95
wet		-5	5 6	2.4B	27
	635.7		1		101
CLAY-brown & gray-stiff to hard (A-6)			2 3	1.1B	24
			3		112
	631.7	-10	6 7	4.4B	18
End of Boring @ -10.0' CME Automatic Hammer		-15			
		-20			

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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-17
Station 171+01
Offset 41.9 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 (%)
6.0" Black TOPSOIL FILL	638.9				
CLAY-brown-hard (A-6) Possible Fill			4		122
			5 7	9.1B	14
	635.9				
			3		97
wet		-5	4 5	2.1B	26
CLAY-brown & gray-stiff to hard (A-6)					
			4		116
sandy @ -6.0'			5 6	1.8B	17
			7		113
	629.4	-10	14 18	7.6B	18
End of Boring @ -10.0' CME Automatic Hammer		-15			
		-20			

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PAGE 1 of 1
DATE August 12, 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-18
Station 174+04
Offset 66.1 ft Left
Ground Surface Elev. 638.4 ft

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 630.4
Upon Completion 630.4
After n/a Hrs. n/a

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Black TOPSOIL FILL	636.9		4		
SILTY CLAY, trace brick-brown-hard (A-6) Fill			5 6	4.0P	11
	634.9				
			3		102
CLAY-brown & gray-very stiff to hard (A-6)		-5	5 5	4.0B	22
			3		104
			4 6	2.7B	22
	629.4		7		111
CLAY-gray-hard (A-6)	628.4	-10	11 15	5.7B	19
End of Boring @ -10.0' CME Automatic Hammer		-15			
		-20			

BOR-6

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

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	337
		CONTRACT NO. 60P35		
		ILLINOIS FED. AID PROJECT		

FILE NAME = c:\caddlib\pw\kkhan\pwgreat_lakes\dms47849\D160P35-sht-bor-06.dgn