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-07
Station 141+08
Offset 11.3 ft Right
Ground Surface Elev. 641.3 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 (%)
12.0" GRAVEL FILL	640.3				
			4		114
LL=38 PL=21 PI=17			6		
SILTY CLAY LOAM-brown & gray-very stiff to hard (A-6)			9	6.0B	18
			2		110
			4		
		-5	7	3.4B	20
			4		100
			6		
wet			8	2.4B	25
			3		101
			4		
	630.3	-10	4	2.3B	24
End of Boring @ -10.0' CME Automatic Hammer		-15			
		-20			

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PAGE 1 of 1
DATE August 25, 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-08
Station 143+97
Offset 57.7 ft Left
Ground Surface Elev. 639.1 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 (%)
Black SAND & GRAVEL FILL	638.5				
CLAY-brown & gray, spotted black-very stiff (A-6) Fill			3		
			4		
			7	3.25P	22
	635.1		4		
			6		
		-5	7	3.5P	16
			6		
CLAY-brown & gray-very stiff to hard (A-6)			6		
			8	4.5P	18
			3		108
			8		
	629.1	-10	9	3.5B	18
End of Boring @ -10.0' CME Automatic Hammer		-15			
		-20			

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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. NMR-09
Station 147+17
Offset 15.5 ft Right
Ground Surface Elev. 638.0 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 (%)
12.0" GRAVEL FILL	637.0				
CLAY-dark gray to black-hard (A-6)	636.0		5		110
			5		
LL=37 PL=19 PI=18			5	5.4B	17
SILTY CLAY LOAM-brown & gray-very stiff to hard (A-6)			4		103
			6		
		-5	6	2.8B	23
			4		111
			5		
			7	4.4B	19
			5		107
			8		
	628.0	-10	10	4.9B	21
End of Boring @ -10.0' CME Automatic Hammer		-15			
		-20			

BOR-3

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	334

CONTRACT NO. 60P35
ILLINOIS FED. AID PROJECT

FILE NAME = c:\caddlib\pw\kkhan\pwgreat_lakes\dms47849\D160P35-sht-bor-03.dgn