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 JW
OBA JOB No. 11584

ROUTE Mannheim Road
DESCRIPTION I-190 Collector-Distribution Roadway Improvements: Pavement
SECTION Sectionxx
LOCATION Mannheim Road Reconstruction, Il. Rte. 19 North to I-190, Chicago, IL
COUNTY Cook
DRILLING METHOD Straight Flight Auger
HAMMER TYPE CME Automatic

STRUCT. NO. xx
Station xx
BORING NO. SMR-16
Station Sta. 72+97
Offset 10.0 ft Right
Ground Surface Elev. 639.2 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, & ASPHALT FILL	638.7				
SILTY CLAY-brown & gray- very stiff (A-6) LL=40 PL=23 PI=17			2		100
			4		
			4	2.4B	22
			3		104
			2		
		-5	3	2.5B	22
			4		114
			7		
			8	3.4B	17
CLAY-gray- hard (A-6)	631.2		4		106
			6		
	629.2	-10	9	2.9B	21
End of Boring @ -10' CME Automatic Hammer					
		-15			
		-20			
		-25			
		-30			
		-35			
		-40			

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DATE August 23, 2011
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ROUTE Mannheim Road
DESCRIPTION I-190 Collector-Distribution Roadway Improvements: Pavement
SECTION Sectionxx
LOCATION Mannheim Road Reconstruction, Il. Rte. 19 North to I-190, Chicago, IL
COUNTY Cook
DRILLING METHOD Straight Flight Auger
HAMMER TYPE CME Automatic

STRUCT. NO. xx
Station xx
BORING NO. SMR-17
Station Sta. 77+76
Offset 11.0 ft Left
Ground Surface Elev. 641.6 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	641.1				
SILTY CLAY-dark gray to black- very stiff (A-7) wet LL=53 PL=26 PI=27			3		93
			6		
			7	2.7B	26
	638.6				
CLAY-brown & gray- stiff to hard (A-6)			3		102
			5		
		-5	5	1.9B	24
			5		111
			10		
			18	9.3B	19
	632.1		8		113
CLAY-gray- hard (A-6)	631.6	-10	12 14	7.3B	18
End of Boring @ -10' CME Automatic Hammer					
		-15			
		XXX -20			
		-25			
		-30			
		-35			
		-40			

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PAGE 1 of 1
DATE August 17, 2011
LOGGED BY JW
OBA JOB No. 11584

ROUTE Mannheim Road
DESCRIPTION I-190 Collector-Distribution Roadway Improvements: Pavement
SECTION Sectionxx
LOCATION Mannheim Road Reconstruction, Il. Rte. 19 North to I-190, Chicago, IL
COUNTY Cook
DRILLING METHOD Straight Flight Auger
HAMMER TYPE CME Automatic

STRUCT. NO. xx
Station xx
BORING NO. SMR-18
Station Sta. 80+81
Offset 9.4 ft Right
Ground Surface Elev. 643.1 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 (%)
6.0" GRAVEL FILL	642.6				
CLAY-brown & gray- hard (A-6) Possible Fill			3		117
			8		
			10	6.1B	13
	639.6				
CLAY-brown & gray- very stiff to hard (A-6)			4		99
			6		
		-5	8	2.4B	24
			2		103
			3		
			5	2.4B	23
			5		103
			10		
	633.1	-10	12	6.7B	23
End of Boring @ -10' CME Automatic Hammer					
		-15			
		-20			
		-25			
		-30			
		-35			
		-40			

BOR-6

DELTA ENGINEERING GROUP, LLC

USER NAME = kkhan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = $SCALE$	CHECKED -	REVISED -
PLOT DATE = 10/10/2012	DATE -	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-1	COOK	605	425
		CONTRACT NO. 60G37		
		ILLINOIS FED. AID PROJECT		

FILE NAME = c:\caddlib\pw\kkhan\pwgreat_lakes\dms47844\D160G37-sht-bor-06.dgn