SOIL BORING LOG

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

PAGE 1 of 1
DATE August 1, 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-01
Station Sta. 30+18
Offset 59.1 ft Right
Ground Surface Elev. 643.5 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 (%)
Misc. CLAY, SILT & STONE FILL	642.5		11		
		NP	12		
CLAY & STONE FILL-dark brown & black- medium dense	640.0		8	NP	6
			3		
CLAY-brown- stiff to hard (A-6)		-5	4 8	1.75P	19
			5		
			7 8	2.5P	18
			6		109
	633.5	-10	9 12	4.8B	19
End of Boring @ -10' CME Automatic Hammer		-15			
		-20			

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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-02
Station Sta. 33+04
Offset 26.0 ft Right
Ground Surface Elev. 644.9 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 (%)
Misc. CLAY, SILT & STONE FILL- medium dense			3 9		
			7	NP	7
	640.9		5		
CLAY-brown & gray- very stiff (A-6) FILL		-5	7 9	2.5P	17
			4		
			6 10	3.0P	17
	636.4				
ORGANIC CLAY-dark gray to black- stiff (A-7) wet			3		88
strong petroleum odor	634.9	-10	5 8	1.9B	30
End of Boring @ -10' CME Automatic Hammer		-15			
		-20			

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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-03
Station Sta. 36+02
Offset 51.9 ft Right
Ground Surface Elev. 646.5 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 (%)
Misc. CLAY, SILT & STONE FILL			3 6		
	644.5		10	4.0P	15
			3		108
CLAY-brown & gray- very stiff to hard (A-6) FILL		-5	6 7	3.7B	19
			4		
			6 11	4.0P	15
			3		
	636.5	-10	5 6	2.5B	20
End of Boring @ -10' CME Automatic Hammer		-15			
		-20			

BOR-1

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	420
		CONTRACT NO. 60G37		
		ILLINOIS FED. AID PROJECT		

FILE NAME = c:\caddlib\pw\kkhan\pwgreat_lakes\dms47844\D160G37-sht-bor-01.dgn