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 9, 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-07
Station Sta. 47+94
Offset 59.2 ft Left
Ground Surface Elev. 648.8 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			4		113
	646.8		4		
			4	4.3B	17
CLAY-brown & gray- very stiff to hard (A-6) FILL			7		104
			8		
		-5	10	3.9B	20
			7		112
			10		
			12	8.1B	16
	639.8		6		
ORGANIC CLAY-black- very stiff (A-7) wet	638.8	-10	6 7	2.25P	36
End of Boring @ -10' CME Automatic Hammer					
		-15			
		-20			

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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-08
Station Sta. 51+03
Offset 55.7 ft Right
Ground Surface Elev. 647.4 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 (%)
Misc. CLAY, SILT & STONE FILL trace wood wet			4		
			6		
	644.9		7	4.0P	26
CLAY-brown & gray- hard (A-6) FILL			6		
			9		
		-5	10	4.5+P	21
	641.4		4		
ORGANIC CLAY-black- soft (A-7) wet			5		
			7	0.5P	33
	638.9				
CLAY-brown & gray- stiff (A-6)			3		
			3		
	637.4	-10	4	1.0P	21
End of Boring @ -10' CME Automatic Hammer					
		-15			
		-20			

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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-09
Station Sta. 53+97
Offset 53.2 ft Left
Ground Surface Elev. 645.1 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 (%)
Misc. CLAY, SILT & STONE- medium dense FILL			5		104
			5		
			6	2.7B	18
thin asphalt layer at -4.0'			5		
wet			13		
	640.1	-5	6	1.5P	30
CLAY-brown & gray- hard (A-6)			4		104
			6		
			9	4.0B	20
			6		105
			10		
	635.1	-10	10	6.0B	20
End of Boring @ -10' 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 -	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	422
		CONTRACT NO. 60G37		
		ILLINOIS FED. AID PROJECT		

FILE NAME = c:\caddlib\pw\kkhan\pwgreat_lakes\dms47844\D160G37-sht-bor-03.dgn