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 4, 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-10
Station Sta. 56+93
Offset 54.5 ft Right
Ground Surface Elev. 645.2 ft

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 636.7 ft
Upon Completion 636.7 ft
After n/a Hrs. n/a

Description	Elev.	Depth (ft)	Blows (/6")	UCS Qu (tsf)	Moist (%)
Misc. CLAY, SILT & STONE FILL	643.7		6		
LL=34 PL=16 PI=18			6		
CLAY-gray & black- very stiff to hard (A-6) FILL			9	4.5+P	14
			5		
wet		-5	6 7	3.0P	27
CLAY-brown & gray- very stiff to hard (A-6)	639.2		3 4 6	2.5P	10
			5		
	635.2	-10	9 13	4.5+P	19
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-11
Station Sta. 60+10
Offset 55.3 ft Left
Ground Surface Elev. 642.3 ft

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 641.3
Upon Completion 639.3
After n/a Hrs. n/a

Description	Elev.	Depth (ft)	Blows (/6")	UCS Qu (tsf)	Moist (%)
Misc. CRUSHED STONE, ASPHALT & CLAY FILL			3		101
	640.3		2		
CLAY-brown & gray- very stiff to hard (A-6)			5	2.0B	25
			3		99
wet		-5	4 8	2.1B	25
			3		108
			8 12	6.4B	20
	633.8				
CLAY-gray- very stiff (A-6)			5		111
	632.3	-10	8 11	2.9B	19
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-12
Station Sta. 63+02
Offset 50.5 ft Right
Ground Surface Elev. 642.8 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, STONE, SAND & SILT- medium dense FILL			4		
			7		
			5		13
	639.3				
CLAY-brown & gray- very stiff to hard (A-6) Possible FILL			7		115
			9		
		-5	9	6.1B	17
			5		
			8		
			8	3.0P	15
	634.3				
CLAY-brown & gray changing to gray- hard (A-6)			6		112
			8		
	632.8	-10	14	8.3B	19
End of Boring @ -10' CME Automatic Hammer		-15			
		-20			

BOR-4

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	423
		CONTRACT NO. 60G37		
	ILLINOIS	FED. AID PROJECT		

FILE NAME = c:\caddlib\pw\kkhan\pwgreat_lakes\dms47844\D160G37-sht-bor-04.dgn