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 14, 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-34
Station Sta. 87+77
Offset 71.3 ft Left
Ground Surface Elev. 642.3 ft

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 637.3
Upon Completion 632.3
After n/a Hrs. n/a

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
6.0" GRAVEL FILL	641.8				
SILTY CLAY-black & brown- very stiff (A-6) FILL			6		
			3		
			5	3.25P	14
	638.8				
CLAY-brown & gray- very stiff (A-6)			3		102
			4		
		-5	8	2.2B	24
			3		104
			3		
			9	2.0B	21
	633.3		4		110
CLAY-gray- very stiff (A-6)	632.3	-10	6 9	3.0B	19
End of Boring @ -10' CME Automatic Hammer					
		-15			
		-20			

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PAGE 1 of 1
DATE August 31, 2011
LOGGED BY TOB
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 Diedrich Automatic

STRUCT. NO. xx
Station xx
BORING NO. SMR-35
Station Sta. 99+65
Offset 59.8 ft Left
Ground Surface Elev. 640.4 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 (%)
Black TOPSOIL	639.4				
CLAY-brown & gray- very stiff (A-6)			2		102
			2		
			3	2.6B	23
			2		100
			3		
		-5	4	2.3B	24
	634.4		5		113
CLAY-gray- hard (A-6)			7		
			12	6.2B	18
			4		107
			6		
	630.4	-10	9	4.9B	20
End of Boring @ -10' CME Automatic Hammer					
		-15			
		-20			

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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-36
Station Sta. 102+69
Offset 85.0 ft Right
Ground Surface Elev. 641.5 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, STONE, SAND & SILT- medium dense FILL			7		
			5		
			7	NP	19
	637.5		3		
SILTY CLAY-brown- very stiff (A-6)			4		
		-5	6	3.0P	19
	635.5		3		
CLAY-gray- stiff to very stiff (A-6)			3		
			4	1.75P	17
			3		107
			4		
	631.5	-10	5	2.3B	21
End of Boring @ -10' CME Automatic Hammer					
		-15			
		-20			

BOR-12

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	431
		CONTRACT NO. 60G37		
		ILLINOIS FED. AID PROJECT		

FILE NAME = c:\caddlib\pw\kkhan\pwgreat_lakes\dms47844\D160G37-sht-bor-12.dgn