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-28
Station Sta. 110+72
Offset 56.2 ft Right
Ground Surface Elev. 644.6 ft

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 635.1
Upon Completion Dry
After n/a Hrs. n/a

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Misc. CLAY, STONE, SAND & SILT FILL	643.6				
SILTY CLAY-gray- hard (A-6) FILL			5		114
			8		
			6	5.8B	16
	641.1				
SILTY CLAY-brown & black- hard (A-6) FILL			5		99
			9		
		-5	11	10.4B	21
	638.6				
SILTY CLAY-brown & gray- very stiff to hard (A-6)			3		
			4		
			6	1.75P	22
			7		
			9		
	634.6	-10	7	1.25P	14
End of Boring @ -10' CME Automatic Hammer					
		-15			
		-20			

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PAGE 1 of 1
DATE August 8, 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-29
Station Sta. 113+78
Offset 71.3 ft Left
Ground Surface Elev. 641.4 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, STONE, SAND & SILT FILL	640.4				
			7		106
LL=37 PL=23 PI=17			5		
SILTY CLAY-brown, gray & black- hard (A-6) FILL			6	5.4B	19
	637.9				
SILTY CLAY-brown & gray- medium stiff (A-6)			2		101
			2		
	636.4	-5	3	0.8B	21
SILTY CLAY-brown & gray- hard (A-6)			2		103
			3		
			6	4.5B	20
			5		106
			8		
	631.4	-10	11	4.8B	18
End of Boring @ -10' CME Automatic Hammer					
		-15			
		-20			

SOIL BORING LOG

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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 Montrose Ave.
BORING NO. SMR-30
Station Sta. 7+99
Offset 31.4 ft Left
Ground Surface Elev. 648.0 ft

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 640.0
Upon Completion 640.0
After n/a Hrs. n/a

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Misc. CLAY, SILT & STONE- medium dense FILL			6		
		NP	6		
			6	3.5P	12
	644.5		3		111
CLAY-brown & gray- stiff to very stiff (A-6) FILL			5		
		-5	7	3.4B	16
			2		
			2		
			3	1.25P	22
	640.0				
ORGANIC CLAY-black- soft (A-7) wet			3		79
			3		
	638.0	-10	3	0.4B	35
End of Boring @ -10' CME Automatic Hammer					
		-15			
		-20			

BOR-10

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	429
		CONTRACT NO. 60G37		
		ILLINOIS FED. AID PROJECT		

FILE NAME = c:\caddlib\pw\kkhan\pwgreat_lakes\dms47844\D160G37-sht-bor-10.dgn