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

SOIL BORING LOG

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-37
Station Sta. 109+81
Offset 58.3 ft Left
Ground Surface Elev. 645.0 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	644.0				
			5		110
CLAY-light gray- hard (A-6) Possible FILL			6		
			8	5.0B	19
	641.5				
			4		90
SILTY CLAY-brown, gray & black- very stiff (A-6) wet			4		
		-5	8	2.4B	29
	639.0				
			8		112
SILTY CLAY-brown & gray- hard (A-6)			11		
			14	8.0B	18
			5		113
			8		
	635.0	-10	12	5.7B	18
End of Boring @ -10' CME Automatic Hammer					
		-15			
		-20			
		-25			
		-30			
		-35			
		-40			

BOR-13

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	432

CONTRACT NO. 60G37
ILLINOIS FED. AID PROJECT

FILE NAME = c:\caddlib\pw\kkhan\pwgreat_lakes\dms47844\D160G37-sht-bor-13.dgn