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 September 7, 2011
LOGGED BY TOB
OBA JOB No. 11585

ROUTE F.A.P. RTE. 330
DESCRIPTION I-190 Collector-Distribution Roadway Improvements: Truss Sign
SECTION 0105-WRS
LOCATION Mannheim Road Reconstruction, I-190 to North of Higgins, Chicago, IL
COUNTY Cook
DRILLING METHOD 2.25" Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station –
BORING NO. SG-TS2-1
Station 144+82
Offset 100 ft Left
Ground Surface Elev. 635.3 ft

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 623.3 ft
Upon Completion 625.3 ft
After n/a Hrs. n/a

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Black ORGANIC TOPSOIL wet					39
			2		112
	633.3		4		
			4	2.7B	18
			3		113
CLAY-brown & gray- very stiff (A-6)			6		
		-5	7	3.8B	18
			5		110
			7		
			8	3.5B	20
	626.8				
			4		114
CLAY-gray- very stiff (A-6)			6		
		-10	7	2.7B	17
	623.8		4		
			7		
SANDY LOAM-gray- medium dense (A-2)			6	NP	20
	621.8				
			3		
			4		
SILTY LOAM-gray- medium dense (A-4)		-15	6	NP	23
			3		
			7		
			5	NP	12
	617.3				
CLAY-gray- very stiff to hard (A-6)			4		113
			6		
		-20	9	4.0B	18

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CLAY-gray- very stiff to hard (A-6)			12		125
			21		
			35	3.3B	13
	611.8				
			21		
			16		
SILTY LOAM-gray- very dense (A-4)		-25	42	NP	16
			25		
			33		
			36	NP	17
			22		
			37		
	605.3	-30	47	NP	15
End of Boring @ -30.0' Dierdrich Automatic Hammer					

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PAGE 1 of 1
DATE August 24, 2011
LOGGED BY JW
OBA JOB No. 11585

ROUTE F.A.P. RTE. 330
DESCRIPTION I-190 Collector-Distribution Roadway Improvements: Truss Sign
SECTION 0105-WRS
LOCATION Mannheim Road Reconstruction, I-190 to North of Higgins, Chicago, IL
COUNTY Cook
DRILLING METHOD 2.25" Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. –
Station –
BORING NO. SG-TS2-2
Station 144+91
Offset 68.1 ft Left
Ground Surface Elev. 638.1 ft

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 622.6 ft
Upon Completion 620.1 ft
After n/a Hrs. n/a

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Black SAND & GRAVEL FILL	637.1				
CLAY-brown & gray- hard (A-6) FILL	636.1		5		
			5		
			7	4.5+P	20
			2		92
CLAY-brown & gray- stiff to hard (A-6) wet			4		
		-5	6	1.8B	27
			2		113
			5		
			6	3.6B	16
			4		113
			9		
		-10	11	6.2B	18
			5		106
			8		
			11	4.2B	21
	624.6				
			4		97
			6		
CLAY-gray- stiff to very stiff (A-6) wet		-15	9	2.7B	25
			4		116
			5		
			7	2.7B	16
			4		117
			5		
		-20	9	2.3B	16

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CLAY-gray- stiff to very stiff (A-6)			3		114
			5		
			7	1.3B	16
			3		
			6		
		-25	13	2.5P	16
	612.1				
			8		
SANDY LOAM-gray- very dense (A-2)			23		
			28	NP	18
	609.6				
			15		125
CLAY-gray- hard (A-6)			18		
	608.1	-30	23	5.9B	13
End of Boring @ -30.0' CME Automatic Hammer					

BOR-18

DELTA ENGINEERING GROUP, LLC

USER NAME = kkhan	DESIGNED	REVISED -
	DRAWN	REVISED -
PLOT SCALE = $SCALE$	CHECKED	REVISED -
PLOT DATE = 10/10/2012	DATE 10/19/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG
MANNHEIM ROAD SIGN STRUCTURE

SCALE: 1" = 50' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105-WRS	COOK	537	349
		CONTRACT NO. 60P35		
		ILLINOIS FED. AID PROJECT		

FILE NAME = c:\caddlib\pw\kkhan\pwgreat_lakes\dms47849\D160P35-sht-bor-18.dgn