SOIL BORING LOG

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

PAGE 1 of 1
DATE August 25, 2011
LOGGED BY TOB
OBA JOB No. 11585

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

STRUCT. NO. –
Station –
BORING NO. NMR-01
Station 122+02
Offset 56.6 ft Left
Ground Surface Elev. 639.6 ft

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 631.6
Upon Completion 632.1
After n/a Hrs. n/a

Description	Elev.	Depth (ft)	Blows (/6")	UCS Qu (tsf)	Moist (%)
Black SAND & GRAVEL FILL	639.1				
Black TOPSOIL wet			2, 4, 6	2.7B	27
	636.1				
CLAY-brown & gray- very stiff (A-6)			2, 3, 6	3.1B	19
			3, 4, 8	3.1B	19
			4, 6, 9	3.1B	22
	629.6	–10			
End of Boring @ –10.0' CME Automatic Hammer		–15, –20			

Moist (%)
91
107
109
106

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DESCRIPTION I-190 Collector-Distribution Roadway Improvements
SECTION 0105-WRS
LOCATION Mannheim Road Reconstruction, I-190 to North of Higgins, Chicago, IL
COUNTY Cook
DRILLING METHOD Straight Flight Auger
HAMMER TYPE CME Automatic

STRUCT. NO. –
Station –
BORING NO. NMR-02
Station 125+06
Offset 53.7 ft Left
Ground Surface Elev. 637.7 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 FILL Organic Content = 5.8%	636.2		3, 6, 10	3.2B	23
CLAY-brown & gray- very stiff to hard (A-6)			3, 4, 5	2.0B	25
wet			5, 9, 12	5.0B	19
	639.2				
CLAY-gray- hard (A-6)	627.7	–10	8, 9, 12	4.9B	18
End of Boring @ –10.0' CME Automatic Hammer		–15, –20			

Moist (%)
98
97
106
110

SOIL BORING LOG

O'BRIEN & ASSOCIATES, INC.
CONSULTING ENGINEERS
1235 E. DAWS ST./ARLINGTON HTS., IL 60005
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PAGE 1 of 1
DATE August 10, 2011
LOGGED BY JW
OBA JOB No. 11585

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

STRUCT. NO. –
Station –
BORING NO. NMR-03
Station 128+01
Offset 57.6 ft Right
Ground Surface Elev. 636.8 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, SILT & STONE-brown- stiff to very stiff (FILL)			4, 6, 7	2.8B	20
	631.8		3, 4, 4	1.25P	16
SILTY CLAY-brown & gray- hard (A-6)			4, 5, 5	5.7B	18
	628.3				
SILTY CLAY-gray- hard (A-6)	626.8	–10	7, 12, 12	7.0B	16
End of Boring @ –10.0' CME Automatic Hammer		–15, –20			

Moist (%)
109
111
117

BOR-1

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

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	332
		CONTRACT NO. 60P35		
		ILLINOIS FED. AID PROJECT		

FILE NAME = c:\caddlib\pw\kkhan\pwgreat_lakes\dms47849\D160P35-sht-bor-01.dgn