



SOIL BORING LOG		PAGE 1 of 1	
 O'BRIEN & ASSOCIATES, INC. CONSULTING ENGINEERS 1235 E. DAVIS ST./ARLINGTON HTS., IL 60005 (847)398-1441 • FAX(847) 398-2376		DATE August 17, 2011 LOGGED BY JW OBA JOB No. 11585	
ROUTE F.A.P. RTE. 330 DESCRIPTION I-190 Collector-Culvert			
SECTION 0105-WRS LOCATION Mannheim Road Reconstruction, I-190 to North of Higgins, Chicago, IL			
COUNTY Cook DRILLING METHOD Rotary Mud HAMMER TYPE CME Automatic			
STRUCT. NO. - Station - BORING NO. CB-04 Station 140+70 Offset 150.2 ft Right Ground Surface Elev. 635.6 ft		Surface Water Elev. n/a Stream Bed Elev. n/a Groundwater Elevation: First Encounter n/a Upon Completion n/a After n/a Hrs. n/a	
DEPTH (ft)	LOG	DEPTH (ft)	LOG
5		5	117
6		9	
9	3.75P 19	11	2.6B 16
5	112	6	113
7		11	
-5	11 3.8B 19	-25	13 3.4B 17
3	113	20	
4		29	
10	3.8B 18	30	NP 19
8	118	18	
18		27	
-10	18 4.5B 16	-30	33 NR
5	111		
9			
13	4.5B 19		
7	114	11	116
9		8	
-15	12 NP 18	-35	9 NP 17
7	109		
7			
7	NP 20		
5			
5		11	
5		24	
-20	8 1.0P 17	-40	37 4.5+P 12
10.0" TOPSOIL FILL 634.8		CLAY-gray-stiff to very stiff (A-6)	
CLAY-brown & gray-very stiff to hard (A-6)		sandy	
609.6		SANDY LOAM-gray-medium to very dense (A-2)	
624.6		CLAY-gray-hard (A-6)	
621.6		LOAM-gray-medium dense (A-2)	
617.1		SILTY CLAY-gray-hard (A-6)	
		End of Boring @ -40'	
		4.0" Hollow Stem to -5.0'	
		Rotary Drilling Started at -5.0'	
		CME Automatic Hammer 595.6	

SOIL BORING LOG		PAGE 1 of 1	
 O'BRIEN & ASSOCIATES, INC. CONSULTING ENGINEERS 1235 E. DAVIS ST./ARLINGTON HTS., IL 60005 (847)398-1441 • FAX(847) 398-2376		DATE September 1, 2011 LOGGED BY JW OBA JOB No. 11585	
ROUTE F.A.P. RTE. 330 DESCRIPTION I-190 Collector-Jacking Pit Structure			
SECTION 0105-WRS LOCATION Mannheim Road Reconstruction, I-190 to North of Higgins, Chicago, IL			
COUNTY Cook DRILLING METHOD Rotary Mud HAMMER TYPE CME Automatic			
STRUCT. NO. - Station - BORING NO. JP-01 Station 140+16 Offset 310.4 ft Right Ground Surface Elev. 636.4 ft		Surface Water Elev. n/a Stream Bed Elev. n/a Groundwater Elevation: First Encounter 618.9 ft Upon Completion 618.9 ft After n/a Hrs. n/a	
DEPTH (ft)	LOG	DEPTH (ft)	LOG
5		5	117
6		9	
9	3.75P 19	11	2.6B 16
5	112	6	113
7		11	
-5	11 3.8B 19	-25	13 3.4B 17
3	113	20	
4		29	
10	3.8B 18	30	NP 19
8	118	18	
18		27	
-10	18 4.5B 16	-30	33 NR
5	111		
9			
13	4.5B 19		
7	114	11	116
9		8	
-15	12 NP 18	-35	9 NP 17
7	109		
7			
7	NP 20		
5			
5		11	
5		24	
-20	8 1.0P 17	-40	37 4.5+P 12
7.0" Black TOPSOIL FILL 635.8		SILTY CLAY-gray-very stiff (A-6)	
CLAY-brown & black-stiff (A-6) Fill		sandy	
632.9		SANDY LOAM-gray-medium to very dense (A-2)	
625.4		CLAY-gray-very stiff (A-6)	
622.9		Fine to Coarse SAND-gray-medium dense (A-3)	
620.4		SILTY CLAY-gray-hard (A-6)	
617.9		Fine to Coarse SAND-gray-medium dense (A-3)	
		End of Boring @ -30.0'	
		CME Automatic Hammer	



USER NAME = kkhan
 DESIGNED
 DRAWN
 PLOT SCALE = *SCALE*
 CHECKED
 PLOT DATE = 10/10/2012
 DATE 10/19/12

DESIGNED
 DRAWN
 CHECKED
 DATE 10/19/12

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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	347
CONTRACT NO. 60P35				
ILLINOIS FED. AID PROJECT				

BOR-16