




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 <u>August 9, 2011</u> LOGGED BY <u>JW</u> OBA JOB No. <u>11584</u>	
ROUTE <u>Mannheim Road</u> DESCRIPTION <u>I-190 Collector-Distribution Roadway Improvements: Pavement</u>			
SECTION <u>Sectionxx</u> LOCATION <u>Mannheim Road Reconstruction, II. Rte. 19 North to I-190, Chicago, IL</u>			
COUNTY <u>Cook</u> DRILLING METHOD <u>Straight Flight Auger</u> HAMMER TYPE <u>CME Automatic</u>			
STRUCT. NO. <u>xx</u> Station <u>xx</u>		Surface Water Elev. <u>n/a</u> Stream Bed Elev. <u>n/a</u>	
BORING NO. <u>SMR-04</u> Station <u>Sta. 38+98</u>		Groundwater Elevation: First Encounter <u>Dry</u> Upon Completion <u>Dry</u>	
Offset <u>52.9 ft Left</u>		After <u>n/a</u> Hrs. <u>n/a</u>	
Ground Surface Elev. <u>647.6 ft</u>		(ft) (/6") (tsf) (%)	
Misc. CLAY, SILT & STONE FILL			
645.6			
CLAY-brown & gray-hard (A-6) Possible FILL			
644.1			
CLAY-gray-very stiff to hard (A-6) Possible FILL			
639.1			
CLAY-brown-stiff (A-6)			
637.6			
End of Boring @ -10' CME Automatic Hammer			

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 <u>August 9, 2011</u> LOGGED BY <u>JW</u> OBA JOB No. <u>11584</u>	
ROUTE <u>Mannheim Road</u> DESCRIPTION <u>I-190 Collector-Distribution Roadway Improvements: Pavement</u>			
SECTION <u>Sectionxx</u> LOCATION <u>Mannheim Road Reconstruction, II. Rte. 19 North to I-190, Chicago, IL</u>			
COUNTY <u>Cook</u> DRILLING METHOD <u>Straight Flight Auger</u> HAMMER TYPE <u>CME Automatic</u>			
STRUCT. NO. <u>xx</u> Station <u>xx</u>		Surface Water Elev. <u>n/a</u> Stream Bed Elev. <u>n/a</u>	
BORING NO. <u>SMR-05</u> Station <u>Sta. 41+98</u>		Groundwater Elevation: First Encounter <u>646.4 ft</u> Upon Completion <u>640.9 ft</u>	
Offset <u>10.6 ft Left</u>		After <u>n/a</u> Hrs. <u>n/a</u>	
Ground Surface Elev. <u>649.4 ft</u>		(ft) (/6") (tsf) (%)	
6.0" ASPHALT, 10" STONE BASE			
648.1			
Misc. CLAY, SILT & STONE FILL			
647.4			
SILTY CLAY-gray-very stiff (A-7) Possible FILL			
645.9			
CLAY-brown & gray-very stiff (A-6) Possible FILL			
643.4			
CLAY-gray-hard (A-6) Possible FILL			
640.4			
CLAYEY TOPSOIL-black-very stiff (A-7) wet			
639.4			
End of Boring @ -10' CME Automatic Hammer			

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 <u>August 1, 2011</u> LOGGED BY <u>JW</u> OBA JOB No. <u>11584</u>	
ROUTE <u>Mannheim Road</u> DESCRIPTION <u>I-190 Collector-Distribution Roadway Improvements: Pavement</u>			
SECTION <u>Sectionxx</u> LOCATION <u>Mannheim Road Reconstruction, II. Rte. 19 North to I-190, Chicago, IL</u>			
COUNTY <u>Cook</u> DRILLING METHOD <u>Straight Flight Auger</u> HAMMER TYPE <u>CME Automatic</u>			
STRUCT. NO. <u>xx</u> Station <u>xx</u>		Surface Water Elev. <u>n/a</u> Stream Bed Elev. <u>n/a</u>	
BORING NO. <u>SMR-06</u> Station <u>Sta. 44+99</u>		Groundwater Elevation: First Encounter <u>Dry</u> Upon Completion <u>Dry</u>	
Offset <u>55.7 ft Right</u>		After <u>n/a</u> Hrs. <u>n/a</u>	
Ground Surface Elev. <u>650.2 ft</u>		(ft) (/6") (tsf) (%)	
Misc. CLAY, SILT & STONE FILL			
648.7			
SILTY CLAY-brown & gray-hard (A-6)			
646.7			
CLAY-gray-very stiff to hard (A-6)			
640.2			
End of Boring @ -10' CME Automatic Hammer			