

**Wang Engineering, INC.**  
 Consulting Geotechnical and Environmental Engineers  
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 1145 Main Street  
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**BORING LOG RB-15**  
 WEI Job No.: 555-12-01  
 Client: IDOT Project No. D-91-336-06,  
 Project FAP 330 [IL21 to US45] Inverrary Ln to Deerfield Rd  
 Location: Village of Buffalo Grove, Lake County IL

Datum: NGVD  
 Elevation: 59.87 m  
 North: m  
 East: m  
 Station: 10+176.6  
 Offset: 9.0L

Profile Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample No.	SPT Values (blows/150 mm)	Qu (kPa)	Moisture Content (%)	Profile Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample No.	SPT Values (blows/150 mm)	Qu (kPa)	Moisture Content (%)
59.9	Dark brown SILTY CLAY --FILL--	1	1	x		19							
59.5	Dark gray to brown CLAYEY SAND	2	2	4	268 B	16							
58.7	Brown, coarse to fine SAND and coarse to fine GRAVEL, trace to little silt, with cobble	3	3	5		9							
		4	4	10		9							
		5	5	10		12							
56.5	Gray SILTY CLAY, trace medium to fine sand, with silt seams -- A-7-6 --	6	6	4	220 B	24							
55.6	Gray coarse to fine GRAVEL, some coarse to fine sand	7	7	6		9							
55.2	Boring terminated at 4.72 m	5	5										

GENERAL NOTES			WATER LEVEL DATA		
Begin Drilling	08-21-2001	Complete Drilling	08-21-2001	While Drilling	▽ 2.74 m
Drilling Contractor	Contract Drilling Co.	Drill Rig	CME 45	At Completion of Drilling	▽ 2.96 m
Driller	B. Wolf	Logger	J. Dalton	Time After Drilling	48 hours
Drilling Method	6-inch HSA	Checked by		Depth to Water	▽ 2.32 m
The stratification lines represent the approximate boundary between soil types. The actual transition may be gradual.					

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**BORING LOG RB-16**  
 WEI Job No.: 555-12-01  
 Client: IDOT Project No. D-91-336-06,  
 Project FAP 330 [IL21 to US45] Inverrary Ln to Deerfield Rd  
 Location: Village of Buffalo Grove, Lake County IL

Datum: NGVD  
 Elevation: 59.91 m  
 North: m  
 East: m  
 Station: 10+200.0  
 Offset: 9.3L

Profile Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample No.	SPT Values (blows/150 mm)	Qu (kPa)	Moisture Content (%)	Profile Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample No.	SPT Values (blows/150 mm)	Qu (kPa)	Moisture Content (%)
59.5	Dark brown SILTY CLAY --FILL--	1	1	x		16							
59.7	Brown and dark gray SILTY CLAY, some coarse to fine sand	2	2	5	824 B	11							
		3	3	6		8							
		4	4	11		9							
		5	5	10		11							
56.5	Gray SILTY CLAY, trace fine sand, with silt seams -- A-7-6 --	6	6	6	287 B	23							
	--@ 4.63m - coarse to fine SAND seam	7	7	5	297 B	23							
55.2	Boring terminated at 4.72 m	5	5										

GENERAL NOTES			WATER LEVEL DATA		
Begin Drilling	08-21-2001	Complete Drilling	08-21-2001	While Drilling	▽ 2.90 m
Drilling Contractor	Contract Drilling Co.	Drill Rig	CME 45	At Completion of Drilling	▽ 2.96 m
Driller	B. Wolf	Logger	J. Dalton	Time After Drilling	48 hours
Drilling Method	6-inch HSA	Checked by		Depth to Water	▽ 2.87 m
The stratification lines represent the approximate boundary between soil types. The actual transition may be gradual.					

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION RETAINING WALL SOIL BORING LOGS US 45/IL RTE. 21 OVER APTAKISIC CREEK DRAWN BY: M.S.M. CHECKED BY: S.D.H. DATE: 11-27-07
NAME	DATE	

GRAEF ANHALT SCHLOEMER & ASSOCIATES, INC.  
 CHICAGO, ILLINOIS