

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 7 OF 7 SHEETS
F.A.P. 866	*	LAKE	554	312	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-		
* (L-2[W,R]6,6A & 6 EXT) WRS-1					

ILLINOIS DEPARTMENT OF TRANSPORTATION
Testing Service Corporation
STRUCTURE BORING LOG

Page 1 of 1
Date 5/14/02

ROUTE FAP Route 866 DESCRIPTION IL Route 83 Retaining Wall Improvements
SECT. 5VB-BR STRUCT. NO. DRILLED BY TSC/L-50J00
COUNTY Lake LOCATION 250' S of Town Line Road S. 29, TWP. 46 N., RNC. 10 E

Boring No.	Station	Offset	Surface Elev.	D	E	L	B	Qu	W	Surface Water Elev.
			ft	H	S	tsf	%			ft
RW-1	239+00	20.00ft RT	781.50							
9" Gravel Shoulder 780.10										
Black CLAY, moist A-7-6 780.40										
				4	8	2.2	24.7			
				5	15					
Very stiff brown and black CLAY, moist A-7-6 778.50										
				7	8	6.3	18.4			
				12	15					
Hard brown CLAY, trace gravel, moist A-6/A-7-6 776.00										
				6	8	4.6	16.8			
				15	15					
Hard brown and gray CLAY, trace gravel, moist A-6 773.80										
				6	8	4.9	12.4			
				13	15					
				7	8	4.9	14.3			
				10	12					
				12	15					
768.50										
Very stiff to stiff gray CLAY, trace gravel, moist A-6 766.30										
				4	8	1.9	15.7			
				7	9					
				9	15					
				4	8	1.5	19.3			
				6	15					
				6	15					
761.50										
End of Boring at 20.0 feet										
Mobile B-61 Truck Rig (#144)										
Mobile Automatic Hammer										
4.5" (14 mm) SFA										

SPT, (N) = Sum of last two blow values in sample. (Q) B-Bulge S-Shear P-Penetration Test
Stations, Depths, Offset, and Elevations are in Feet

ILLINOIS DEPARTMENT OF TRANSPORTATION
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STRUCTURE BORING LOG

Page 1 of 1
Date 5/14/02

ROUTE FAP Route 866 DESCRIPTION IL Route 83 Retaining Wall Improvements
SECT. 5VB-BR STRUCT. NO. DRILLED BY TSC/L-50J00
COUNTY Lake LOCATION 175' S of Town Line Road S. 29, TWP. 46 N., RNC. 10 E

Boring No.	Station	Offset	Surface Elev.	D	B	L	B	Qu	W	Surface Water Elev.
			ft	H	S	tsf	%			ft
RW-2	239+75	14.00ft RT	781.80							
3" Gravel Shoulder 780.50										
FILL - Dark brown and gray CLAY, trace organic, moist A-6/A-7-6 777.80										
				4	8	3.7	20.8			
				6	15					
Stiff black SILTY CLAY (topsoil), moist A-7-6 776.30										
				3	8	1.2	15.6			
				4	12					
				5	15					
Medium stiff brown and gray CLAY, very moist A-6/A-7-6 773.80										
				3	8	1.0	31.2			
				4	15					
				4	8	3.3	17.8			
				7	12					
				12	15					
773.80										
Very stiff to hard brown CLAY, trace gravel, moist A-6 771.80										
				8	8	5.2	12.9			
				12	15					
				8	8	3.9	14.3			
				15	15					
766.30										
Hard to very stiff gray CLAY, trace gravel, moist A-6 763.80										
				9	8	4.3	15.5			
				15	15					
				4	8	2.2	17.1			
				6	10					
				10	15					
761.80										
End of Boring at 20.0 feet										
Mobile B-61 Truck Rig (#144)										
Mobile Automatic Hammer										
4.5" (14 mm) SFA										

SPT, (N) = Sum of last two blow values in sample. (Q) B-Bulge S-Shear P-Penetration Test
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ILLINOIS DEPARTMENT OF TRANSPORTATION
Testing Service Corporation
STRUCTURE BORING LOG

Page 1 of 1
Date 5/14/02

ROUTE FAP Route 866 DESCRIPTION IL Route 83 Retaining Wall Improvements
SECT. 5VB-BR STRUCT. NO. DRILLED BY TSC/L-50J00
COUNTY Lake LOCATION 100' S of Town Line Road S. 29, TWP. 46 N., RNC. 10 E

Boring No.	Station	Offset	Surface Elev.	D	B	L	B	Qu	W	Surface Water Elev.
			ft	H	S	tsf	%			ft
RW-3	240+50	17.00ft RT	781.60							
4" Gravel Shoulder 778.30										
FILL - Brown and dark brown CLAY LOAM, trace organic, moist A-6 778.60										
				8	8	2.6	12.6			
				9	10					
				10	15					
Medium stiff black CLAY LOAM (topsoil), very moist A-6 776.60										
				2	8	1.0	22.4			
				3	15					
Soft brown and gray CLAY LOAM, very moist A-6 773.60										
				2	8	0.5	22.9			
				2	15					
				4	8	6.3	16.6			
				5	8					
				8	15					
773.60										
Hard brown CLAY, trace gravel, moist A-6 771.60										
				6	8	6.4	14.3			
				8	15					
				6	8	3.7	16.1			
				9	15					
				8	15					
766.60										
Very stiff gray CLAY, trace gravel, moist A-6 763.60										
				4	8	2.9	17.7			
				8	9					
				9	15					
763.60										
Stiff gray CLAY LOAM, trace gravel, moist A-6 761.60										
				3	8	1.3	13.7			
				5	15					
761.60										
End of Boring at 20.0 feet										
Mobile B-61 Truck Rig (#144)										
Mobile Automatic Hammer										
4.5" (14 mm) SFA										

SPT, (N) = Sum of last two blow values in sample. (Q) B-Bulge S-Shear P-Penetration Test
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ILLINOIS DEPARTMENT OF TRANSPORTATION
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Page 1 of 1
Date 5/14/02

ROUTE FAP Route 866 DESCRIPTION IL Route 83 Retaining Wall Improvements
SECT. 5VB-BR STRUCT. NO. DRILLED BY TSC/L-50J00
COUNTY Lake LOCATION 25' S of Town Line Road S. 29, TWP. 46 N., RNC. 10 E

Boring No.	Station	Offset	Surface Elev.	D	B	L	B	Qu	W	Surface Water Elev.
			ft	H	S	tsf	%			ft
RW-4	241+25	17.00ft RT	781.70							
13" Gravel Shoulder 780.60										
FILL - Black and brown CLAY, trace organic, moist A-6/A-7-6 779.20										
				4	8	2.4	21.1			
				5	6					
				6	15					
Stiff to very stiff brown and gray CLAY, moist A-7-6 776.20										
				4	8	1.9	25.1			
				4	6					
				6	15					
776.20										
Very stiff to hard brown CLAY, occasional silt seams, trace gravel, moist A-6 773.20										
				4	8	3.6	18.6			
				7	9					
				6	8	4.8	16.0			
				7	9					
				9	15					
773.20										
Hard brown CLAY, trace gravel, moist A-6 768.20										
				9	8	6.5	17.1			
				12	15					
				6	8	3.7	18.2			
				8	10					
				10	15					
768.20										
Very stiff to hard brown and gray CLAY, trace gravel, moist A-6 763.20										
				8	8	4.6	17.4			
				9	10					
				10	15					
763.20										
Very stiff gray CLAY, trace gravel, moist A-6 761.20										
				7	8	2.9	15.5			
				8	8					
				8	15					
761.20										
End of Boring at 20.0 feet										
Mobile B-61 Truck Rig (#144)										
Mobile Automatic Hammer										
4.5" (14 mm) SFA										

SPT, (N) = Sum of last two blow values in sample. (Q) B-Bulge S-Shear P-Penetration Test
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DESIGNED	S.S.T.
CHECKED	J.A.Z.
DRAWN	E.B.
CHECKED	S.S.T.

BORING LOGS RW-1 THRU RW-4
ILLINOIS ROUTE 83
F.A.P. ROUTE 866
LAKE COUNTY
Sta. 238+70 to Sta. 241+50
DATE: 4/22/09
GRAEF, ANHALT, SCHLOEMER & ASSOCIATES INC
CHICAGO ILLINOIS