

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-20-BR	KANE	320	202
STA. 511+80.00		TO STA. 609+14.92		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		
SHEET NO. S97 OF S108				

**BORING NO. STFX-4**

ILLINOIS DEPARTMENT OF TRANSPORTATION  
Testing Service Corporation  
STRUCTURE BORING LOG

ROUTE F.A.U. 361 DESCRIPTION New Stearns Road over the Fox River Date Started 8/27/04 Date Completed 8/30/04  
SECT. 98-00214-02-BR STRUCT. NO. 045-3166 DRILLED BY TSC L-60,939  
COUNTY Kane LOCATION South End Pier 3 S. 2 - SW 1/4, TWP. 40 N, RNG. 8 E

Boring No.	Station	Offset	Surface Elev.	D	B	L	O	W	Qu	W	Surface Water Elev.	Groundwater Elev.	D	B	L	O	W	Qu	W
STFX-4	569+83	40.00ft RT	687.05 ft	H	S	T	S	tsf	%	%	+1.3	River	H	S	T	S	tsf	%	%
Cobbles and Boulders 686.25																			
Medium dense gray SAND, some gravel, saturated A-1 5 7 17.3																			
684.05																			
Medium dense gray GRAVEL, some sand, saturated A-1-a 9 11 11.8 * Boulder Zone 27.5'-28.5'																			
681.55																			
Medium dense brown fine to medium SAND, trace gravel, saturated A-1-b 8 11 11.2																			
679.05																			
Medium dense brown SAND and GRAVEL, trace clay, saturated A-1 8 10 10.7 Dense gray SAND and GRAVEL, occasional Cobbles and Boulders, saturated A-1-a 13 17 7.6																			
676.55																			
Stiff gray CLAY, occasional silt seams, moist A-6 12 14 20.0 P 1.5 6.9																			
675.05																			
Medium dense gray SAND and GRAVEL, saturated A-1-a 10 12 7.0																			
670.05																			
Hard gray CLAY, little gravel, moist A-6 7 9 10.2 P 4.25 14.3																			
669.05																			
Medium dense gray fine to medium SAND, trace gravel, occasional silt seams, saturated A-1-b 8 12 17.5																			
666.55																			
Very stiff gray CLAY, trace gravel, moist A-6 10 12 12.4 P 3.25																			
664.05																			
Dense gray SAND and GRAVEL, saturated A-1-a 8 14 7.3																			
662.05																			

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

**BORING NO. STFX-4**

ILLINOIS DEPARTMENT OF TRANSPORTATION  
Testing Service Corporation  
STRUCTURE BORING LOG

STRUCTURE NO. 045-3166 ROUTE F.A.U. 361 SECTION 98-00214-02-BR COUNTY Kane  
STRUCTURE NO. 045-3166 ROUTE F.A.U. 361 SECTION 98-00214-02-BR COUNTY Kane

Boring No.	Station	Offset	Elevation	D	B	L	O	W	Qu	W	Elevation	D	B	L	O	W	Qu	W
STFX-4	569+83	40.00ft RT	637.05 ft	H	S	T	S	tsf	%	%	612.05 ft	H	S	T	S	tsf	%	%
Dense gray SAND and GRAVEL, occasional Cobbles, (rock fragments recovered), saturated A-1-a 12 13 5.0 12.3 B 15% 18 24 7.5																		
605.05																		
Very stiff gray CLAY, trace gravel, moist A-6 8 12 3.5 12.7 B 15% 21 50/5" 3.5 13.0																		
603.05																		
Very dense GRAVEL, occasional Cobbles, trace clay, saturated A-1-a 14 15% 13.7																		
600.05																		
End of Boring at 100.0'																		
CME-75 Truck Rig (#256) CME Automatic Hammer 9 12 4.1 12.1 B 15% 100/3"																		
65																		
3.25" (83 mm) ID HSA																		
Depth of River = 1.3' 620.05																		
595.05																		
Very hard brownish-gray CLAY, little to some gravel, moist A-6 18 35 9.2 10.4 B 15% 19 24 19.1																		
615.05																		
Very dense brownish-gray fine SAND, trace silt, saturated A-3 5 25 5.8 11.3 S 15%																		
590.05																		
Dense gray SAND and GRAVEL, occasional Cobbles, (rock fragments recovered), saturated A-1-a 5 14 28 9.0																		
587.05																		

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

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REVISIONS	
NAME	DATE



ILLINOIS DEPARTMENT OF TRANSPORTATION  
**SOIL BORING LOG VII**  
STEARNS ROAD OVER THE FOX RIVER PUBLIC WATERS  
STRUCTURE NUMBER 045-3166  
KANE COUNTY FAP 361 SECTION 06-00214-20-BR  
STATION 571+42.96 DESIGNED: WEI DRAWN: SGW  
DATE: JANUARY 16, 2009 CHECKED: WEI CHECKED: DFM