STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 781	108B-1	CRAWFORD	38	25
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 16
16 SHEETS

Contract #94656

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways
District Six Materials

Page 1 of 2 — Date 6/6/00

ROUTE FAP 781 — DESCRIPTION Trib. to Wabash River — LOGGED BY Dale Lux
SECTION 108B-1 — LOCATION SE 1/4, SEC. 18, TWP. 5N, RNG. 10W, 2 PM
COUNTY Crawford — DRILLING METHOD Auger & Split Spoon — HAMMER TYPE Automatic Drop

STRUCT. NO. 017-0008
Station 125N 2095E
BORING NO. 1 North Abut
Station 46' N of Ex. Ctr. Br.
Offset 7.00ft West of CL
Ground Surface Elev. 433.4 ft

Surface Water Elev. 419.0 ft
Stream Bed Elev. 418.8 ft
Groundwater Elev.:
First Encounter 420.4 ft
Upon Completion 421.3 ft
After ___ Hrs. 11'@ 48 hrs ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Cored thru bit.conc.& conc.pavt.	432.30				
Est. medium, damp to very damp, brown marbled, gray & red, Clay			2		
			3	0.9	16
	428.40	-5	4	E	
Med. damp to very damp, brown marbled gray Silty Clay to Clay w/sand lenses & small roots			2		
			2	0.7	24
	426.40		4	S	
Estimated medium, very damp, gray, Silty Clay Loam with organic odor			1		
			2	0.6	27
		-10	3	E	
	422.40		0		
V.loose,v.moist,gray, Sandy Loam w/organic odor,Clay lenses & small roots	421.40		1		18
			2		
V.loose, water bearing gray with brown streaks, mix of coarse & fine grain Sand, Clay & gravel			0		
			1		17
		-15	1		
	417.90				
Estimated very stiff, damp, gray marbled, brown, Clay Till			5		
			11	3.2	11
			13	E	
			5		
			9	2.2	13
		-20	13	S	
Estimated very stiff, damp, gray marbled, brown, Clay Till (continued)			5		
			8	3.0	12
			12	S	
	409.90		5		
Hard, damp, gray, Clay Till			10	4.8	12
	408.90	-25	14	S	
Very stiff, damp, gray, Clay Till			5		
			10	3.6	13
			15	B	
			5		
			9	3.7	13
		-30	14	B	
			5		
			10	3.2	13
			14	B	
	400.40				
Hard, damp, gray, Clay Till			4		
			9	4.2	13
	398.90	-35	13	S	
Very stiff, damp to very damp, gray, Clay Till			4		
			7	2.8	14
		-40	11	B	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways
District Six Materials

Page 2 of 2 — Date 6/6/00

ROUTE FAP 781 — DESCRIPTION Trib. to Wabash River — LOGGED BY Dale Lux
SECTION 108B-1 — LOCATION SE 1/4, SEC. 18, TWP. 5N, RNG. 10W, 2 PM
COUNTY Crawford — DRILLING METHOD Auger & Split Spoon — HAMMER TYPE Automatic Drop

STRUCT. NO. 017-0008
Station 125N 2095E
BORING NO. 1 North Abut
Station 46' N of Ex. Ctr. Br.
Offset 7.00ft West of CL
Ground Surface Elev. 433.4 ft

Surface Water Elev. 419.0 ft
Stream Bed Elev. 418.8 ft
Groundwater Elev.:
First Encounter 420.4 ft
Upon Completion 421.3 ft
After ___ Hrs. 11'@ 48 hrs ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very stiff, damp to very damp, gray, Clay Till (continued)	392.40		5		
Dense,moist,brown mix of Clay, cse.& fine gr.Sand, ss fragments & some gravel	391.40		18		12
			27		
Med.moist,brown mix of Clay, cse. & fine gr. Sand, sandstone fragments & gravel			7		
	389.40		9		14
Medium moist, gray marbled, brown, very badly weathered, Clay Shale			19		13
	387.90	-45			
Very dense, moist, thin layered, very badly weathered, gray Clay Shale with very thin Sand partings			31		
			5"/50		8
			1"/100		
			6"/50		
			2"/50		7
		-50	1"/100		
			30/50		
	382.20		2"/50		7
Limit of Exploration			1"/100		
Benchmark is square chiseled in S.E.Wingwall. Elevation = 433.82		-55			
		-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer)
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District Six Materials

Page 1 of 2 — Date 6/8/00

ROUTE FAP 781 — DESCRIPTION Trib. to Wabash River — LOGGED BY Dale Lux
SECTION 108B-1 — LOCATION SE 1/4, SEC. 18, TWP. 5N, RNG. 10W, 2 PM
COUNTY Crawford — DRILLING METHOD Auger & Split Spoon — HAMMER TYPE Automatic Drop

STRUCT. NO. 017-0008
Station 125N 2095E
BORING NO. 2 South Abut
Station 36' S of Ex. Ctr. Br.
Offset 6.00ft West of CL
Ground Surface Elev. 433.6 ft

Surface Water Elev. 419.0 ft
Stream Bed Elev. 418.8 ft
Groundwater Elev.:
First Encounter 417.6 ft
Upon Completion 422.0 ft
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	432.40				
Loose, very moist, red, fine grain, Sand with small amount 3/8" – 3/4" gravel, some 1/8" Clay lenses			3		
			3		8
			2		
	428.10	-5			
Loose, very moist, red, mix of Sandy Clay, Clay, fine grain Sand & small amount 3/8" – 1" gravel			3		
			3		11
			3		
	425.10		1		
Soft, wet, gray, Silty Clay with organic odor,small amt. gravel & sm.wood pieces			1	0.3	21
	424.10		1	B	
Very soft, wet, gray, Clay with some small wood pieces, fine grain Sand lenses & sm.amount gravel, with organic odor		-10	0		
			0	0.2	17
			1	B	
	420.60		0		
Soft,wet,gray, marbled brown, Clay w/organic odor,some gravel,coal frags,sm.wood pcs.& fine gr.Sand lenses			0	0.3	16
	419.10		1	B	
Very loose, water bearing, gray mix of Clay, coarse & fine grain Sand & 3/8" – 1" gravel with petroleum odor		-15	0		
			2		19
			1		
	415.10		0		
Very stiff, damp to very damp, gray, Clay Till			3	2.9	11
		-20	6	S	
Very stiff, damp to very damp, gray, Clay Till (continued)			10		
			13	3.7	11
			15	E	
			6		
			11	3.9	11
		-25	14	S	
	407.60		5		
Hard, damp, gray, Clay Till			9	4.2	11
			13	S	
			5		
			10	4.4	12
	404.10	-30	14	S	
Very stiff, damp, gray, Clay till			6		
			11	3.9	12
			15	B	
			5		
			9	3.6	12
		-35	15	B	
	395.60		6		
Hard, damp, gray, Clay till			12	4.5	12
		-40	17	B	

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Groundwater Elev.:
First Encounter 417.6 ft
Upon Completion 422.0 ft
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard, damp, gray, Clay till (continued)			6		
			11	4.4	12
	391.60		15	S	
Very stiff, damp, gray, Clay Till			4		
			9	3.9	13
			11	B	
	388.60	-45			
No recovery – Est. medium, water bearing fine grain sand			2		
			3		
	386.60		8		
Loose, water bearing, fine grain, gray, Sand with some 3/8" to 5/8" gravel and some 1/8" Clay lenses			1		
			1		19
			5		
	383.10	-50			
Very dense, moist, gray, very badly weathered, very thin layered Clay shale with very thin Sand and sandstone partings			5"/50		
			2"/50		5
	380.60		1"/100		
Very dense, moist, gray, weathered, sandstone with very thin Clay partings			2"/50		12
			1/2"/50		
		-55	1/4"/100		
	377.80		2"/50		10
Limit of Exploration			1/2"/50		
Benchmark is square chiseled in S.E. Wingwall Elevation = 433.82			1"/100		
		-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer)
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BBS, from 137 (Rev. 8-99)

BORING DATA
F.A.P. ROUTE 781 - SECTION 108B-1
CRAWFORD COUNTY
STATION 545+80.00
STRUCTURE NO. 017-0030