

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET	SHEET NO. 10 10 SHEETS
F.A.S. 2244	(107B) BR	Stark	37	23	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-		

Contract #68115

Illinois Department of Transportation
Division of Highways
District Four - Illinois

SOIL BORING LOG

Page 1 of 2 Date 8/20/02

ROUTE FAS 2244 DESCRIPTION Osceola Road over Trib. to West Fork Spoon River LOGGED BY DPS

SECTION (107B) BR LOCATION NW 14, NE 14, SEC. 23, TWP. 14N, R14G. 6E, 4th PM

COUNTY Stark DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO. EXISTING 088-0017 Station 85+28.83	Surface Water Elev. 694.05 ft Stream Bed Elev. _____ ft	D E P T H H S Qu T	B U L D I N G L O S I S	M O I S T W S Qu T	Surface Water Elev. 694.05 ft Stream Bed Elev. _____ ft	D E P T H H S Qu T	B U L D I N G L O S I S	M O I S T W S Qu T
BORING NO. 1 Station 85+08 Offset 14.00ft Rr of Cl. Ground Surface Elev. 707.4 ft	Groundwater Elev.: First Encounter 683.4 ft Upon Completion 700.9 ft After 24 Hrs. 699.9 ft	(ft) (in)	(%)	(%)	(ft) (in)	(ft) (in)	(%)	(%)
No Sample Taken	Brown & Gray SANDY CLAY LOAM (continued)	2	B		2	B		
705.9	Gray SANDSTONE	20			20			
		60		14.0	60			14.0
		40@3'			40@3'			
703.4	Gray SANDY CLAY LOAM Free Water @ 24' (7.32m)	11		14.0	11			14.0
		24	4.2	13.0	24	4.2		13.0
		3	S		3	S		
	Gray SHALEY CLAY	8			8			
		20	5.2	13.0	20	5.2		13.0
		1	B		1	B		
698.4	Gray SHALEY CLAY	20			20			
	Brown & Gray SILTY CLAY	45		13.0	45			13.0
		2	P		2	P		
695.9	Gray SHALEY CLAY	13			13			
		16	2.5	16.0	16	2.5		16.0
		2	B		2	B		
693.4	Gray SHALEY CLAY	16			16			
	Gray SHALE	42		14.0	42			14.0
		35			35			
		68			68			
	Black COAL	22			22			
		24		45.0	24			45.0
		25			25			
688.4	Gray SHALEY CLAY	11			11			
		18	8.0	13.0	18	8.0		13.0
		40			40			

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 T208)
BBS, from 137 (Rev. 8-99)

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Page 2 of 2 Date 8/20/02

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SECTION (107B) BR LOCATION NW 14, NE 14, SEC. 23, TWP. 14N, R14G. 6E, 4th PM

COUNTY Stark DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO. EXISTING 088-0017 Station 85+28.83	Surface Water Elev. 694.05 ft Stream Bed Elev. _____ ft	D E P T H H S Qu T	B U L D I N G L O S I S	M O I S T W S Qu T	Surface Water Elev. 694.05 ft Stream Bed Elev. _____ ft	D E P T H H S Qu T	B U L D I N G L O S I S	M O I S T W S Qu T
BORING NO. 1 Station 85+08 Offset 14.00ft Rr of Cl. Ground Surface Elev. 707.4 ft	Groundwater Elev.: First Encounter 683.4 ft Upon Completion 700.9 ft After 24 Hrs. 699.9 ft	(ft) (in)	(%)	(%)	(ft) (in)	(ft) (in)	(%)	(%)
Gray SHALEY CLAY (continued)		28	S		28	S		
		9			9			
		34	3.3	11.0	34	3.3		11.0
		50	S		50	S		
		4			4			
		13	2.1	13.0	13	2.1		13.0
		17	S		17	S		
		73	2.0	16.0	73	2.0		16.0
		38	S		38	S		
End of Boring								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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COUNTY Stark DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO. EXISTING 088-0017 Station 85+28.83	Surface Water Elev. 694.05 ft Stream Bed Elev. _____ ft	D E P T H H S Qu T	B U L D I N G L O S I S	M O I S T W S Qu T	Surface Water Elev. 694.05 ft Stream Bed Elev. _____ ft	D E P T H H S Qu T	B U L D I N G L O S I S	M O I S T W S Qu T
BORING NO. 2 Station 85+43 Offset 15.00ft Lt of Cl. Ground Surface Elev. 707.9 ft	Groundwater Elev.: First Encounter 691.9 ft Upon Completion 695.0 ft After 24 Hrs. 696.8 ft	(ft) (in)	(%)	(%)	(ft) (in)	(ft) (in)	(%)	(%)
No Sample Taken	Brown Fine SAND (continued)							
706.9	Brown & Gray Fine SAND	29			29			
		31		14.0	31			14.0
		25			25			
704.4	Gray SHALE	28			28			
		83		12.0	83			12.0
		25			25			
		21			21			
		86		12.0	86			12.0
		14			14			
		50		14.0	50			14.0
		30			30			
		14			14			
		25	5.2	15.0	25	5.2		15.0
		55	S		55	S		
694.4	Black COAL	57			57			
		60		32.0	60			32.0
		35			35			
		20			20			
		26		25.0	26			25.0
		30			30			
		10			10			
		20		13.0	20			13.0
		40			40			

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 T208)
BBS, from 137 (Rev. 8-99)

BORING LOGS
F.A.S. ROUTE 2244 - SECTION (107B)BR
STARK COUNTY
STATION 85+31.81
STRUCTURE NO. 088-0029