



Illinois Department  
of Transportation  
Division of Highways  
DOT DISTRICT 4

### SOIL BORING LOG

Page 1 of 2

Date 8/18/04

ROUTE FAP 67 DESCRIPTION IL 125 over Tributary to Lost Creek LOGGED BY M. Tappan

SECTION (6X-1) B-2, B-3 LOCATION SW 1/4, SEC. 26, TWP. 18 N, RNG. 11 W, 3 PM

COUNTY Cass DRILLING METHOD HSA HAMMER TYPE 140 # Auto

STRUCT. NO. <u>009-2000 Ex</u>	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev. <u>519.8</u> ft	D E P T H	B L O W S	U C S Qu	M O I S T
Station <u>136+84.6</u>					Stream Bed Elev. <u>519.0</u> ft				
BORING NO. <u>1 NW VVV</u>					Groundwater Elev.:				
Station <u>136+21</u>					<input checked="" type="checkbox"/> First Encounter <u>No Encounter</u> ft				
Offset <u>25.00ft LI</u>					<input checked="" type="checkbox"/> Upon Completion <u>Washed</u> ft				
Ground Surface Elev. <u>539.2</u> ft	(ft)	/ft	(tsf)	(%)	<input checked="" type="checkbox"/> After <u>Hrs. Plugged</u> ft	(ft)	/ft	(tsf)	(%)

Soil Description	(ft)	/ft	(tsf)	(%)	(ft)	/ft	(tsf)	(%)
Dark Grey Moist SILTY CLAY LOAM (Fill)	0				0			
	1	0.7	27		0	0.4	33	
	1	S-11			1	B		
	-1				-25			
Brown and Grey	1				0			
	2	0.7	25		0	0.3	32	
	2	B			1	B		
	531.20				-1			
Brown and Light Grey V. Moist SIL	0				0			
	1	0.4	25		0	0.4	34	
	1	B			0	B		
	529.20	-10			-30			
Tan and Grey V. Moist SILT	0							
	1	0.4	27					
	1	B						
	0							
	1	0.5	27					
	2	B						
	-13				-35			
	0							
	1	0.3	29					
	1	B						
	502.20							
Grey Medium to Coarse Grained Sandy GRAVEL Washed	0				2			
	0				3			
	0	0.3	36		7			
	0	B						
	499.70				-40			
Grey V. Moist SILT	-20							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)  
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)

SOIL BORING 009-2506 (P. 1) DATE 8/18/04, 11:00 AM, DOT 2004  
Landed 30 Deg. 56.55ft Length 50 Deg. 18.88ft Length



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Station <u>136+84.6</u>					Stream Bed Elev. <u>519.0</u> ft				
BORING NO. <u>1 NW VVV</u>					Groundwater Elev.:				
Station <u>136+21</u>					<input checked="" type="checkbox"/> First Encounter <u>No Encounter</u> ft				
Offset <u>25.00ft LI</u>					<input checked="" type="checkbox"/> Upon Completion <u>Washed</u> ft				
Ground Surface Elev. <u>539.2</u> ft	(ft)	/ft	(tsf)	(%)	<input checked="" type="checkbox"/> After <u>Hrs. Plugged</u> ft	(ft)	/ft	(tsf)	(%)

Soil Description	(ft)	/ft	(tsf)	(%)	(ft)	/ft	(tsf)	(%)
Grey V. Moist SILT (continued)	0							
	0	0.3	28					
	1	B						
	-45				-70			
	0							
	0	0.3	28					
	1	B						
	-50				-75			
Grey Medium Grained Sandy GRAVEL Washed	0							
	2							
	4							
	5							
	484.20	-15			-78			
Boring Abandoned - Sand In	0							
	479.70				-80			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)  
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Landed 30 Deg. 56.55ft Length 50 Deg. 18.88ft Length

BORINGS  
IL ROUTE 125 OVER  
TRIBUTARY TO LOST CREEK  
F.A.P. ROUTE 67 - SECTION (6X-1)B-2  
CASS COUNTY  
STA. 136+64.40  
S.N. 009-2506



Allen Henderson & Associates, Inc.  
Civil and Structural Engineers Springfield, IL.  
62703 Phone: (217)544-8033 IL Design Firm  
No. 184-001907

SHEET NO. 8  
OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
67	(6X-1)B-2	CASS	71	42
CONTRACT NO. 72875				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				