

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 35 35 SHEETS
F.A.I. 80	14VBR-2 & 14VBR-3	BUREAU	219	139	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-		

Contract No. 66731

**Illinois Department of Transportation**  
Division of Highways  
District - Materials

### SOIL BORING LOG

Page 1 of 2  
Date 4/5/05

ROUTE FAL 80 DESCRIPTION P92-089-94 I-80 bridge over DNRR, 1.2 m. W. of LaSalle County Line LOGGED BY W. Garza

SECTION 6-14VR-3 LOCATION Hill Top - MSE, 23MG, SEC., TWP. 36N, R9E, 11E

COUNTY Bureau DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Dietrich Automatic

STRUCT. NO. <u>006-36837</u>	D E P T H S	B L O C K S	U N D E R L I N E	M O I S T U R E	Surface Water Elev. _____ ft	D E P T H S	B L O C K S	U N D E R L I N E	M O I S T U R E	Stream Bed Elev. _____ ft
Station <u>413+24.78</u>	T W S	H S	Q u	T	Groundwater Elev. _____ ft	H S	Q u	T	First Encounter _____ ft	Upon Completion _____ ft
BORING NO. <u>B-5a</u>					After _____ Hrs.					
Station <u>412+85</u>										
Offset <u>43.000' L.L. CL</u>										
Ground Surface Elev. <u>634.10</u> ft	(ft)	(V%)	(Std)	(C)						

AF (continued)										
Ground					643.00					
MEDIUM brown SILTY CLAY LOAM		3			611.60					
		4	0.8	17.0						
		4		P	602.80					
STIFF brown CLAY LOAM					-05					
		1								
		2	12	23.0						
		3		B	607.60					
MEDIUM gray SILTY CLAY LOAM										
		1								
		1	0.5	28.0						
		3		P	605.10					
STIFF gray SILTY CLAY TILL with SAND lens										
		2								
		2	12	18.0						
		3		B	602.60					
HARD gray SILTY CLAY TILL										
		5								
		6	4.1	18.0						
		10		B	600.10					
HARD gray/olive green SILTY CLAY TILL										
		3								
		7	4.5	20.0						
		7		B	597.60					
VERY STIFF gray SILTY CLAY TILL										
		5								
		6	3.7	22.0						
		10		B	595.10					

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)

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STRUCT. NO. <u>006-36837</u>	D E P T H S	B L O C K S	U N D E R L I N E	M O I S T U R E	Surface Water Elev. _____ ft	D E P T H S	B L O C K S	U N D E R L I N E	M O I S T U R E	Stream Bed Elev. _____ ft
Station <u>413+24.78</u>	T W S	H S	Q u	T	Groundwater Elev. _____ ft	H S	Q u	T	First Encounter _____ ft	Upon Completion _____ ft
BORING NO. <u>B-5a</u>					After _____ Hrs.					
Station <u>412+85</u>										
Offset <u>43.000' L.L. CL</u>										
Ground Surface Elev. <u>634.10</u> ft	(ft)	(V%)	(Std)	(C)						

VERY STIFF gray SILTY CLAY TILL		2								
		3	2.1	22.0						
		4		B						
		3								
		4		B	572.60					
STIFF gray SILTY CLAY TILL										
		2								
		5	1.7	23.0						
		7		B	590.10					
STIFF gray SILTY CLAY TILL										
		2								
		3	1.9	21.0						
		4		B	587.60					
VERY STIFF gray SILTY CLAY TILL										
		3								
		5	2.7	24.0						
		9		B	585.10					
VERY STIFF gray SILTY CLAY TILL										
		4								
		5	2.5	19.0						
		10		B	582.10					
DENSE tan dry medium SAND										
		4								
		19								
		17								
		5								
		10								
		20								
MED/DENSE tan dry fine SAND										
		5								
		10								
		20								
VERY DENSE tan dry clean medium coarse SAND										
		15								
		25								
		31								
		31								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B)-Bulge, (S)-Shear, (P)-Penetrometer  
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**BORING LOGS**  
**F.A.I. RTE. 80 - SEC. 14VBR-2 & 14VBR-3**  
**BUREAU COUNTY**  
**STATION 413+39.84**  
**STRUCTURE NO. 006-0167 (E.B.)**  
**STRUCTURE NO. 006-0168 (W.B.)**