


# BORING LOGS



**Illinois Department of Transportation**  
Division of Highways  
Illinois Department of Transportation/D-2

## SOIL BORING LOG

Page 1 of 1  
Date 5/12/08

ROUTE FA 742 DESCRIPTION P92-064-86 Retaining wall along Route 2 from a point 950' S. of Mud Creek Road LOGGED BY W. Garza


SECTION 37 RS-3 LOCATION Rockvale Twp. - 28NW, SEC. , TWP. 24N, RNG. 10E

COUNTY Ogle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev.	D E P T H	B L O W S	U C S Qu	M O I S T
					ft				
					93.50				
BORING NO. <u>B-11c</u>					Groundwater Elev.:				
Station <u>715+00</u>					First Encounter <u>669.7</u> ft				
Offset <u>17.00ft Rt CL</u>					Upon Completion <u>674.2</u> ft				
Ground Surface Elev. <u>681.70</u> ft	(ft)	(/6")	(tsf)	(%)	After _____ Hrs. _____ ft	(ft)	(/6")	(tsf)	(%)
					VERY DENSE tan weathered LIMESTONE (continued)				
					End of Boring <u>660.70</u>				
STIFF tan SILTY LOAM	679.70	3		21.0					
		2	1.1						
	678.20	4	P						
MEDIUM dark gray SILTY CLAY LOAM		2		32.0					
	675.70	3	0.5						
		2	P						
STIFF dark gray SILTY LOAM		1		38.0					
	673.20	2	1.0						
		4	B						
MEDIUM dark gray LOAM		2		31.0					
	670.70	4	0.6						
		2	B						
MEDIUM tan LOAM with weathered LIMESTONE fragments		1		23.0					
	667.70	2	0.9						
		5	P						
VERY DENSE tan weathered LIMESTONE		5							
	665.70	100/11"							
VERY DENSE tan weathered LIMESTONE		100/9"							
	663.20								
		100/1"							

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)



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## SOIL BORING LOG

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Date 4/2/08

ROUTE FA 742 DESCRIPTION P92-064-86 Retaining Wall, IL 2 at Mud Creek Road LOGGED BY W. Garza

SECTION 37 RS-3 LOCATION Rockvale Twp. - 28 NW, SEC. , TWP. 24N, RNG. 10E

COUNTY Ogle DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev.	D E P T H	B L O W S	U C S Qu	M O I S T
					ft				
					91.90				
BORING NO. <u>B-1d</u>					Groundwater Elev.:				
Station <u>727+00</u>					First Encounter <u>84.8</u> ft				
Offset <u>18.00ft Rt CL</u>					Upon Completion _____ ft				
Ground Surface Elev. <u>99.80</u> ft	(ft)	(/6")	(tsf)	(%)	After _____ Hrs. _____ ft	(ft)	(/6")	(tsf)	(%)
Shoulder					MEDIUM tan weathered LIMESTONE with SAND lens				
STIFF brown SILTY CLAY LOAM	97.30	3		7					
		4	1.8	23.0					
	95.80	6	P		MEDIUM tan fine SAND with SILTY CLAY lens				
		2		27.0					
	95.80	8	0.7						
		6	P						
STIFF gray SILTY CLAY LOAM		2							
	93.30	4	1.3	21.0	VERY DENSE tan weathered LIMESTONE				
		2	P		Auger Refusal at 25.5'				
					Borehole continued with rock coring.				
SOFT dark gray SILTY LOAM		2		33.0					
	90.80	3	0.3						
		2	B						
MEDIUM dark gray SILTY CLAY LOAM		3		20.0					
	88.30	4	0.5						
		5	P						
MEDIUM dark gray SILTY LOAM with LIMESTONE fragments		2		23.0					
	85.80	3	0.5						
		4	P						
DENSE tan weathered LIMESTONE		18							
	83.30	22							
		18							
STIFF tan weathered LIMESTONE/SILTY CLAY lens		18		20.0					
	80.80	9	1.5						
		8	P						

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)