

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

Sheet No. 11
of 11 Sheets

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 1197	105BR-2	WHITESIDE	59	26
FED. ROAD DIST. NO.		ILLINOIS PROJECT		

CONTRACT 64421

Units: English
Bridge Foundation
Boring Log

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Two Materials
Lyndon Twp. - NE 12 - T20N, R5E

PROJECT: BRIDGE over ditch 3 miles Date: 07/20/99
ROUTE: Old Moline Road east of Lyndon Bored By: C. Jenkins
SEC. 105 B-Y STA. 223 + 82 Checked By: T. Bratt

COUNTY Whiteside

Boring No. B-1 Sta. 223 + 82 O/S 14' RE CL.	D ft	N	Qu t/ft	W %	At	Hrs	D ft	N	Qu t/ft	W %	At	Hrs	Surf Wat. El. - 89.2 Groundwater El. at Compl. Wash			
													ft	ft	ft	
Ground Surface 89.5	0		0.8	22				4	0.3	26						
MEDIUM brown SILTY CLAY																
MEDIUM brown SANDY LOAM with GRAVEL			0.5	10				2	0.4	30						
MEDIUM brown SAND & GRAVEL			6					4	0.5	28						
LOOSE brown SAND & GRAVEL			4					4	0.6	29						
1/2" gray SAND & SILT with a SILT lens			3					4	0.6	30						
First Encounter - 88.7								16								
LOOSE brown SAND & GRAVEL			2					4	0.3	16						
MEDIUM tan SAND & GRAVEL			1					1	0.7	35						
DENSE tan SAND & GRAVEL			20					10	1.3	20						
DENSE gray SAND & GRAVEL			15					10								
			15					10								
			15					10								

N-Std Penr Test: 2" OD Sampler
140# Hammer, 30" Fall (Type Fall. B-Bulge S-Shear R-Estimated P-Penetrometer)

Units: English
Bridge Foundation
Boring Log

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Two Materials
Lyndon Twp. - NE 12 - T20N, R5E

PROJECT: BRIDGE over ditch 3 miles Date: 07/20/99
ROUTE: Old Moline Road east of Lyndon Bored By: C. Jenkins
SEC. 105 B-Y STA. 222 + 82 Checked By: T. Bratt

COUNTY Whiteside

Boring No. B-2 Sta. 222 + 82 O/S 14' RE CL.	D ft	N	Qu t/ft	W %	At	Hrs	D ft	N	Qu t/ft	W %	At	Hrs	Surf Wat. El. - 82.2 Groundwater El. at Compl. Wash			
													ft	ft	ft	
Ground Surface 89.3	0		0.8	23												
MEDIUM brown SILTY LOAM with GRAVEL																
MEDIUM brown SILTY LOAM with GRAVEL			0.7	15												
SOFT brown SANDY LOAM with GRAVEL			0.4	16												
LOOSE tan SAND & GRAVEL			4					4	0.5	30						
First Encounter - 88.1								4	0.6	30						
SOFT gray/brown wash SILTY LOAM								4	0.5	30						
MEDIUM gray/black SILTY LOAM								4	0.6	30						
VERY LOOSE brown SAND & GRAVEL			3					3	0.3	26						
begin wash								3	0.3	26						
MEDIUM tan SAND & GRAVEL			5					5	2.1	19						
DENSE tan SAND & GRAVEL			12					11								
DENSE gray SAND & GRAVEL			12					10								
same as above			15					10								
			15					10								
			15					10								

N-Std Penr Test: 2" OD Sampler
140# Hammer, 30" Fall (Type Fall. B-Bulge S-Shear R-Estimated P-Penetrometer)

Units: English
Rock Core Description

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Two Materials
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PROJECT: BRIDGE over ditch 3 miles Date: 07/20/99
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COUNTY Whiteside

Boring No. B-2 Sta. 222 + 82 O/S 14' RE CL.	Ground Surface Elevation	Rock Surface Elevation	Begin Coring Elevation
	89.3	82.8	45.3

From	To	DESCRIPTION	CORE Notes
45.3	40.3	Dolomite: yellow-tan, massively bedded, porous, with minor sand size solution cavities.	Core Run #1 Begin Elev.: 45.3 End Elev.: 40.3 Recovery=5'/5'= 100% RQD= 2.8'/5'= 56%
40.3	35.3	Dolomite: yellow-tan, as above.	Core Run #2 Begin Elev.: 35.3 End Elev.: 30.3 Recovery=5'/5'= 100% RQD= 3.4'/5'= 68%

Units: English

Project: Old Moline Road
Sec. 105 B-Y
County Whiteside

Sh. 2 of 2

Boring No. B-1 Sta. 223 + 82 O/S 14' RE CL.	D ft	N	Qu t/ft	W %	D ft	N	Qu t/ft	W %
VERY DENSE white weathered LIMESTONE	45	6	16	100/5" PEN	70			
VERY DENSE white weathered LIMESTONE				100/5" PEN				
Auger Refusal @ 49'	80				75			
END OF BORING								
	85				80			
	80				85			
	65				80			
	70				85			

Units: English

Project: Old Moline Road
Sec. 105 B-Y
County Whiteside

Sh. 2 of 2

Boring No. B-2 Sta. 222 + 82 O/S 14' RE CL.	D ft	N	Qu t/ft	W %	D ft	N	Qu t/ft	W %
LOOSE tan/gray SAND & GRAVEL	48	1	4		70			
MEDIUM yellow/white weathered LIMESTONE with CLAY lens		3	5					
VERY DENSE yellow weathered LIMESTONE with blue CLAY lens	58	18	100/4" PEN		75			
VERY DENSE yellow weathered LIMESTONE			100/4" PEN					
Auger Refusal @ 54'	85				80			
5' Core Run Recovery 100%								
fine DOLOMITE								
10' Core Run Recovery 100%								
fine DOLOMITE								
END OF BORING								
	85				80			
	80				85			
	75				80			

REVISIONS		SOIL BORING LOGS		DRAWN BY DATE
No.	DATE	INITIALS	MOLINE ROAD OVER UNNAMED TRIBUTARY TO ROCK RIVER	R King 8/04
1				CHECKED BY DATE
2			FAS ROUTE 1197 SECTION 105BR-2	QA/QC BY DATE
3				CWC 8/04
4			SN 098-0110	BOOK NUMBER
5			STA 229+67.50	PROJECT NO.
6			WHITESIDE COUNTY	4858-3
7			HOMER L. CHASTAIN & ASSOCIATES, LLP	SHEET NO.
8			CONSULTING ENGINEERS	
9			184-001397	