

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Sheet No. 11
of 11 Sheets

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 197	105BR-2	WHITESIDE	59	26
FED. ROAD DIST. NO.		ILLINOIS PROJECT	CONTRACT 64421	

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

PROJECT BRIDGE over ditch 3 miles Date 07/18/99
ROUTE Old Moline Road east of Lyndon Bored By C. Jenkins
SEC. 105 R-Y STA. 229 + 82 Checked By T. Bratt

County Whiteside

Boring No. B-1
Sta. 229 + 82
O/S 13' RT CL

Surf Wat El. 88.2
Groundwater El. Wash
at Compl. Hrs

Depth	Soil Description	Moisture	Plasticity	Penetration	Notes
0	Ground Surface 88.5	0.8	22	4	
0.5	CLAY			0.3	
1.0	MEDIUM brown SANDY LOAM with GRAVEL	0.8	10	0.4	
1.5	MEDIUM brown SAND & GRAVEL			0.4	
2.0	LOOSE brown SAND & GRAVEL			0.4	
2.5	1/2" gray SAND & SILT with a SILT lens			0.4	
3.0	First Encounter Streambed Elev. 88.7			0.4	
3.5	LOOSE brown SAND & GRAVEL			0.4	
4.0	MEDIUM tan SAND & GRAVEL			0.4	
4.5	DENSE tan SAND & GRAVEL			0.4	
5.0	DENSE gray SAND & GRAVEL			0.4	

N-Std Penetr Test: 2" OD sampler, 140# Hammer, 30" Fall (Type Fall, B-Bulge S-Shear X-Estimated P-Penetrometer)

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 R-Y STA. 229 + 82 Checked By T. Bratt

County Whiteside

Boring No. B-2
Sta. 230 + 12
O/S 14' RT CL

Surf Wat El. 82.2
Groundwater El. Wash
at Compl. Hrs

Depth	Soil Description	Moisture	Plasticity	Penetration	Notes
0	Ground Surface 82.3	0.8	21	4	
0.5	MEDIUM brown SILTY CLAY			0.3	
1.0	MEDIUM brown SILTY LOAM with GRAVEL	0.7	15	0.4	
1.5	SOFT brown SANDY LOAM with GRAVEL	0.4	16	0.4	
2.0	LOOSE tan SAND & GRAVEL			0.4	
2.5	First Encounter SR. EL			0.4	
3.0	VERY LOOSE brown SAND & GRAVEL			0.4	
3.5	MEDIUM tan SAND & GRAVEL			0.4	
4.0	DENSE tan SAND & GRAVEL			0.4	
4.5	DENSE gray SAND & GRAVEL			0.4	

N-Std Penetr Test: 2" OD sampler, 140# Hammer, 30" Fall (Type Fall, B-Bulge S-Shear X-Estimated P-Penetrometer)

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 R-Y STA. 229 + 82 Checked By T. Bratt

County Whiteside

Boring No. B-2
Sta. 230 + 12
O/S 14' RT CL

Ground Surface Elevation 82.3
Rock Surface Elevation 52.8
Begin Coring Elevation 45.3

From	To	PROFILER 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= 2.3'/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
Route Old Moline Road
Sec. 105 R-Y
County Whiteside

Boring No. B-1
Sta. 229 + 82
O/S 13' RT CL

Depth	Soil Description	Penetration	Notes
45	VERY DENSE white weathered LIMESTONE	10	
46	VERY DENSE white weathered LIMESTONE	100/5" PEN	
47	VERY DENSE white weathered LIMESTONE	100/5" PEN	
48	Auger Refusal @ 48"		
49	END OF BORING		

Units English
Project
Route Old Moline Road
Sec. 105 R-Y
County Whiteside

Boring No. B-2
Sta. 230 + 12
O/S 14' RT CL

Depth	Soil Description	Penetration	Notes
48	LOOSE tan/gray SAND & GRAVEL	70	
49	MEDIUM yellow/white weathered LIMESTONE with a CLAY lens		
50	VERY DENSE yellow weathered LIMESTONE with blue CLAY lens	78	
51	VERY DENSE yellow weathered LIMESTONE	100/4" PEN	
52	Auger Refusal @ 54"		
53	Recovery 100%		
54	ite DOLOMITE		
55	ite DOLOMITE		
56	ite DOLOMITE		
57	ite DOLOMITE		
58	ite DOLOMITE		
59	ite DOLOMITE		
60	ite DOLOMITE		
61	ite DOLOMITE		
62	ite DOLOMITE		
63	ite DOLOMITE		
64	ite DOLOMITE		
65	ite DOLOMITE		
66	ite DOLOMITE		
67	ite DOLOMITE		
68	ite DOLOMITE		
69	ite DOLOMITE		
70	ite DOLOMITE		
71	ite DOLOMITE		
72	ite DOLOMITE		
73	ite DOLOMITE		
74	ite DOLOMITE		
75	ite DOLOMITE		
76	ite DOLOMITE		
77	ite DOLOMITE		
78	ite DOLOMITE		

REVISIONS		SOIL BORING LOGS		DRAWN BY DATE	
No.	DATE	INITIALS	MOLINE ROAD OVER UNNAMED TRIBUTARY TO ROCK RIVER		R King 8/04
1			FAS ROUTE 197 SECTION 105BR-2		CHECKED BY DATE
2			STA 229+67.50 WHITESIDE COUNTY		CMW 8/04
3			SN 098-0110		DATE BY DATE
4			HOMER L. CHASTAIN & ASSOCIATES, LLP		CWC 8/04
5			CONSULTING ENGINEERS		BOOK NUMBER
6			184-001397		PROJECT No.
7					4858-3
8					SHEET No.
9					
10					
11					
12					