

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

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

Units English
Bridge Foundation
Boring Log

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. 229 + 82 Checked By T. Bratt

COUNTY Whiteside

Depth	Soils	Surf Wat El.	Groundwater El.	At Compl.	Wash	Notes
0	CLAY	82.5	82.2	0.8	22	SOFT gray/brown SILT
10	MEDIUM brown SANDY LOAM with GRAVEL	82.5	82.2	0.8	10	SOFT brown SILT
20	MEDIUM brown SAND & GRAVEL	82.5	82.2	0.8	20	Same as above
30	LOOSE brown SAND & GRAVEL	82.5	82.2	0.8	30	MEDIUM brown SILT
40	1/2" gray SAND & SILT with a SILT lens	82.5	82.2	0.8	40	MEDIUM tan fine SAND
50	First Encounter Scrambled Elev. - 86.7	82.5	82.2	0.8	50	SOFT gray SILT wash
60	First Encounter LOOSE brown SAND & GRAVEL	82.5	82.2	0.8	60	MEDIUM gray SILT
70	MEDIUM tan SAND & GRAVEL	82.5	82.2	0.8	70	MEDIUM gray SILT
80	DENSE tan SAND & GRAVEL	82.5	82.2	0.8	80	STIFF blue/green SILT LOAM
90	DENSE gray SAND & GRAVEL	82.5	82.2	0.8	90	LOOSE tan SAND & GRAVEL

N-Std Penr Test: 2" OD Sampler
1408 Hammer, 30" Fall (Type Fall, S-Bulge S-Shear R-Estimated P-Penetrometer)

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

Units English
Bridge Foundation
Boring Log

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. 229 + 82 Checked By T. Bratt

COUNTY Whiteside

Depth	Soils	Surf Wat El.	Groundwater El.	At Compl.	Wash	Notes
0	CLAY	82.2	82.2	0.8	23	LOOSE tan SAND & GRAVEL
10	MEDIUM brown SILT LOAM with GRAVEL	82.2	82.2	0.8	10	LOOSE tan SAND wash & SILT lens
20	SOFT brown SANDY LOAM with GRAVEL	82.2	82.2	0.8	20	VERY SOFT gray SILT
30	LOOSE tan SAND & GRAVEL	82.2	82.2	0.8	30	SOFT gray/brown SILTY LOAM
40	First Encounter 1/2" tan SAND & SILT	82.2	82.2	0.8	40	MEDIUM gray/black SILTY LOAM
50	VERY LOOSE brown SAND & GRAVEL	82.2	82.2	0.8	50	SOFT gray SILT
60	MEDIUM tan SAND & GRAVEL	82.2	82.2	0.8	60	VERY STIFF gray SANDY LOAM
70	DENSE tan SAND & GRAVEL	82.2	82.2	0.8	70	STIFF blue SILTY SILT
80	DENSE gray SAND & GRAVEL	82.2	82.2	0.8	80	MEDIUM gray fine SAND

N-Std Penr Test: 2" OD Sampler
1408 Hammer, 30" Fall (Type Fall, S-Bulge S-Shear R-Estimated P-Penetrometer)

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

Units English
Rock Core Description
Boring Log

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. 229 + 82 Checked By T. Bratt

COUNTY Whiteside

From	To	PROF. Description	CORE Notes
45.3	40.3	Dolomite: yellow-tan, massively bedded, porous, with minor sand size solution cavities. Qu: 3945 psi: 42.3 to 41.3	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. Qu: 5456 psi: 38.5 to 37.5	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 B-Y
County Whiteside

Sh. 2 of 2

Soils	Depth	Soils	Depth
VERY DENSE white weathered LIMESTONE	-45		-10
VERY DENSE white weathered LIMESTONE	-50		-15
Very Refusal @ 49'	-50		-15
END OF BORING	-50		-15
	-55		-20
	-60		-25
	-65		-30
	-70		-35

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

Sh. 2 of 2

Soils	Depth	Soils	Depth
LOOSE tan/gray SAND & GRAVEL	-45		-70
MEDIUM yellow/white weathered LIMESTONE with a CLAY lens	-50		-75
VERY DENSE yellow weathered LIMESTONE with blue CLAY lens	-55		-80
VERY DENSE yellow weathered LIMESTONE	-60		-85
Refusal @ 54'	-65		-90
5' Core Run Recovery 100%	-65		-90
ite DOLOMITE	-65		-90
5' Core Run Recovery 100%	-70		-95
ite DOLOMITE	-70		-95
END OF BORING	-75		-100

REVISIONS			
No.	DATE	INITIALS	
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			

SOIL BORING LOGS	
MOLINE ROAD OVER UNNAMED TRIBUTARY TO ROCK RIVER	
FAS ROUTE 1197	SECTION 105BR-2
STA 229+67.50	WHITESIDE COUNTY
HOMER L. CHASTAIN & ASSOCIATES, LLP CONSULTING ENGINEERS 184-001397	
PROJECT NO.	4858-3
SHEET NO.	

DRAWN BY DATE	R. King 8/04
CHECKED BY DATE	CMV 8/04
QA/QC BY DATE	CWC 8/04
BOOK NUMBER	