ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 79A	04-01177 -00-BR	UNION	15	15
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 99275		

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation Boring Log

TR 79A (Mountain Glen Road) Over Clear Creek Trib — Sheet 1 of 1

Route: TR 79A — Structure Number: 091-3039 — Date: 6/14/2004

Section 04-01177-00-BR — Bored By: Bryan Keller

County: Union — Location: Near Mountain Glen — Checked By: Rob Graeff

Boring No 1-S
Station 17' W of W Abut
Offset 4' N CL
Ground Surface 458.6 99.6 Ft

Surf Wat Elev: 84.2
Ground Water Elevation
when Drilling 82.6
At Completion
At: Hrs:

DEPTH	BLOW	Qu tsf	W%
Multi A-1 over Gravel			
457.6 97.6			
Stiff, moist, brown, Silty Clay Loam A-6 with some Gravel	7 8 7	1.2S	18
455.1 95.1			
Stiff, moist, grey, Silt Loam A-4 5.0	1 3 3	1.5P	21
	1 1 1	1.2B	22
450.1 90.1			
Soft, very moist, grey, Silty Clay loam A-6 10.0	WH WH WH	0.4B	29
447.6 87.6			
Medium, very moist, grey, Silty Clay Loam A-6	1 1 2	0.7B	30
445.1 85.1			
Very soft, very moist, grey, Silty Clay Loam A-6 15.0	WH WH WH	0.2B	29
442.6 82.6			
Loose, wet, grey, Sandy Gravel with Silt Loam Layers 42% Sand; 23% Silt 6% Clay; 29% Gravel	1 3 3		18
440.1 80.1			
Cored from 19.5 ft to 24.5 ft. 20.0 Hard, dry, grey, Limestone 66% RQD 98% Recovery	100/1"		
435.1 75.1			
25.0			

DEPTH
Bottom of hole = 24.5 ft
Free water observed at 17.0 ft.
Elevation referenced to Center of Existing Structure; Assumed Elevation = 100.0 ft. =460.0 USGS
To convert "N" values to "N60" values multiply 1.25
30.0
35.0
40.0
45.0
50.0

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

BORING 1

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation Boring Log

TR 79A (Mountain Glen Road) Over Clear Creek Trib — Sheet 1 of 1

Route: TR 79A — Structure Number: 091-3039 — Date: 6/14/2004

Section 04-01177-00-BR — Bored By: Bryan Keller

County: Union — Location: Near Mountain Glen — Checked By: Rob Graeff

Boring No 2-S
Station 26' E of E Abut
Offset 3' S CL
Ground Surface 459.2 99.2 Ft

Surf Wat Elev: 84.2
Ground Water Elevation
when Drilling 82.2
At Completion 83.5
At: Hrs:

DEPTH	BLOW	Qu tsf	W%
Multi A-1 over Gravel			
457.2 97.2			
Stiff, moist, grey, Silty Clay Loam A-6	2 4 3	1.2B	15
454.7 94.7			
Medium, moist, grey, Silt Loam A-4 5.0	1 3 3	0.9S	20
	1 2 1	0.6B	22
449.7 89.7			
Soft, very moist, grey, Silt Loam A-4 10.0	WH 1 WH	0.3S	23
	WH WH WH	0.4S	28
444.7 84.7			
Very soft, very moist to wet, grey, Clay Loam A-6 with some Gravel and Rotten Vegetation 15.0	WH 1 1	0.2B	29
442.2 82.2			
Medium, wet, grey, Silty Clay A-6 with Gravel	1 3 2	0.8B	21
439.7 79.7			
Hard, dry, grey, Limestone 79.2 20.0	100/2"		
439.2			
Bottom of Hole: 20.0 ft.			
Free water observed at 17.0 ft.			
Elevation referenced to Center of Existing Structure; Assumed Elevation = 100.0 ft.			
25.0			

DEPTH
To convert "N" values to "N60" values multiply 1.25.
30.0
35.0
40.0
45.0
50.0

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

BORING 2

HAMPTON, LENZINI & RENWICK, INC.
CIVIL & STRUCTURAL ENGINEERS
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
(217) 546-3400
ELGIN • SPRINGFIELD

PROJECT NUMBER: 12-92-0007-i		DATE: 04/03/07
DESIGNED: T.P.L.	CHECKED: S.W.M.	DRAWN: D.B.

BORINGS

SECTION 04-01177-00-BR

T.R. 79A / MOUNTAIN GLEN ROAD

UNION COUNTY

STR. NO. 091-3222 / STATION 10+05