ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 505B	06-10118-00-BR	JEFFERSON	18	18
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO. 99325	

U.S.G.S. Elev. 529.4

HOLCOMB FOUNDATION ENGINEERING INC.
P.O. Box 88 618-529-5262
Carbondale, Il. 62903 618-457-8991 fax

Page 1 of 1

Bridge Foundation Boring Log

Project: H-07141
Section: 06-10118-00-BR
Route:
County: Jefferson

Bridge Over IC Railroad
Station

Date: 5-30-07
Bored by: D. Russell
Checked By: T. Holcomb

Boring No: 1
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling: dry
Upon Completion: plugged

Description	Elevation	N	Qu tsf	w %
Ground Surface	98.4			
2" A-3/ 4" Cinders	97.9			
Gray to Brown Silty CLAY (A-6)		8	0.9S	20
	-5	6	1.9B	29
		7	—	23
	88.7			
Gray Clayey SILT (A-4)	-10	6	1.5S	23
	87.4			
Gray to Brown CLAY (A-6)		10	3.3B	24
	84.4			
Brown to Gray Silty CLAY (A-6) with sand	-15	9	2.5B	21
		8	1.9B	21
	79.4			
Brown Weathered SHALE	-20	52	—	12
	77.4	100/5"	—	10
Brown SANDSTONE				

Description	Elevation	N	Qu tsf	w %
SANDSTONE (continued)		100/4"	—	10
	-25			
	71.9	100/5"	—	13
End of Boring @ -26.5'				
	-30			
	-35			
	-40			

N = Standard Penetration Test Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with a 140 lbs. hammer falling 30"

Qu-Unconfined Compressive Strength in tons/sq.ft.
w-Water Content-percentage of oven dry weight-%

B = Bulge Failure
S = Shear Failure
E = Estimated Value
P = Penetrometer

BORING 1

U.S.G.S. Elev. 529.4

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Page 1 of 1

Bridge Foundation Boring Log

Project: H-07141
Section: 06-10118-00-BR
Route:
County: Jefferson

Bridge Over IC Railroad
Station

Date: 5-30-07
Bored by: D. Russell
Checked By: T. Holcomb

Boring No: 2
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling: dry
Upon Completion: plugged

Description	Elevation	N	Qu tsf	w %
Ground Surface	99.8			
2" A-3/ 4" Cinders	99.3			
Brown Mottled Gray Silty CLAY (A-6)		6	3.1S	21
	-5	5	3.1S	22
		7	1.4B	24
	-10	9	1.9S	27
	87.3	5	1.5S	22
Gray Clayey SILT (A-4)				
	85.8			
Brown to Gray Silty CLAY (A-6)	-15	7	1.7B	20
		8	1.7B	22
	80.8			
Brown Weathered SHALE	-20	20	2.1B	16
	78.8	100/5"	1.1S	12
Brown Sandy SHALE with Sandstone Laminations				

Description	Elevation	N	Qu tsf	w %
SHALE (continued)				
	-25	100/3"	—	12
	73.3	100/5"	—	11
End of Boring @ -26.5'				
	-30			
	-35			
	-40			

N = Standard Penetration Test Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with a 140 lbs. hammer falling 30"

Qu-Unconfined Compressive Strength in tons/sq.ft.
w-Water Content-percentage of oven dry weight-%

B = Bulge Failure
S = Shear Failure
E = Estimated Value
P = Penetrometer

BORING 2

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

PROJECT NUMBER: 12-49-0008-1		DATE: 01/08/08
DESIGNED: R.J.P.	CHECKED: M.D.C.	DRAWN: D.T.M.

BORINGS

T.R. 505B OVER C.N./I.C. RAILROAD
SECTION 06-10118-00-BR
MOORES PRAIRIE ROAD DISTRICT
JEFFERSON COUNTY
STRUCTURE NO. 041-9930 / STATION 15+00