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

Project: H-08082 Bridge
Section: 06-02123-00-BR Station
Structure: 097-3096
County: White
Date: 5-5-08
Bored by: D. Russell
Checked By: T. Holcomb

Boring No: 1
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling Dry
Upon Completion 335.67 ~~335.9~~

Elevation	N	Qu tsf	w %	
368.67 ~~98.9~~				Ground Surface 0
	3	0.8S	27	Brown Silty CLAY to Clayey SILT (A-6 to A-4) with sand.
364.62 ~~94.9~~				
	3	1.2S	23	Brown Mottled Gray Silty CLAY (A-6) with sand
362.12 ~~92.4~~				
	0	---	25	Gray Mottled Brown Silty CLAY to Clayey SILT (A-6 to A-4)
	3	1.1S	30	
357.62 ~~87.9~~				
	8	2.5S	30	Gray CLAY (A-7-6)
	6	1.8B	27	
	6	1.5B	34	
	5	1.4S	31	
347.12 ~~77.4~~				
	6	0.9B	23	Gray CLAY (A-6) w/sand

clay (continued)

Elevation	N	Qu tsf	w %	
	5	1.7B	21	
	5	1.1S	23	
340.12 ~~70.4~~				
	9	1.8S	27	Gray Clayey SILT (A-4)
329.62 ~~59.9~~				
	100/6	---	10	Gray SHALE
	100/4	---	6	
324.12 ~~54.4~~				
	100/5	---	7	End of Boring @ -44.5' ~~54.4~~

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

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Bridge Foundation Boring Log

Project: H-08082 Bridge
Section: 06-02123-00-BR Station
Structure: 097-3096
County: White
Date: 5-5-08
Bored by: D. Russell
Checked By: T. Holcomb

Boring No: 2
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 321.92 ~~52.2~~
Upon Completion 335.92 ~~56.2~~

Elevation	N	Qu tsf	w %	
369.92 ~~100.2~~				Ground Surface 0
364.75 ~~95.7~~				6" Crushed Stone
	2	0.6B	19	Brown Sandy CLAY (A-6)
363.42 ~~93.7~~				
	3	0.8B	23	Gray Mottled Brown Sandy CLAY (A-6)
360.92 ~~91.2~~				
	5	3.5B	20	Gray Mottled Brown Silty CLAY (A-6)
358.42 ~~88.7~~				
	5	1.4B	19	Brown Mottled Gray Silty CLAY (A-6) with sand
	6	1.5B	22	
	11	2.7B	20	
	13	2.1B	19	
	13	3.9B	20	Gray SHALE

silty clay (continued)

Elevation	N	Qu tsf	w %	
345.92 ~~76.2~~				
	3	0.7B	22	Gray Clayey SAND (A-2-4)
343.42 ~~73.7~~				
	6	2.3B	22	Gray CLAY (A-7-6)
	5	2.0S	31	
	8	2.3B	22	Gray Silty CLAY (A-6)
330.92 ~~61.2~~				
	38	1.5S	16	Gray Highly Weathered SHALE
325.92 ~~56.2~~				

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

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BORING 2

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Bridge Foundation Boring Log

Project: H-08082 Bridge
Section: 06-02123-00-BR Station
Structure: 097-3096
County: White
Date: 5-5-08
Bored by: D. Russell
Checked By: T. Holcomb

Boring No: 2
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 321.92 ~~52.2~~
Upon Completion 335.92 ~~56.2~~

Elevation	N	Qu tsf	w %	
	45 74	---	10	shale (continued)
	100/3"	---	8	
	100/3"	---	9	
	100/6"	---	9	
317.92 ~~48.2~~				End of Boring @ -52.0'

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

DESIGNED	S.M.S.
CHECKED	M.G.B.
DRAWN	D.T.M.
CHECKED	D.A.B.

HAMPTON, LENZINI & RENWICK, INC.
CIVIL & STRUCTURAL ENGINEERS
LAND SURVEYORS
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
(217) 546-3400
PROJECT NUMBER: 08.0262.130 DATE: 05/26/09

SHEET NO. 8
8 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
237	06-02123-00-BR	WHITE	12	12
		CONTRACT NO. 99364		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

BORINGS
STRUCTURE NO. 097-3255