

Bridge Foundation Boring Log

Project: H-08074 Bridge _____ Date: 5-2-08
 Section: 06-00061-00-BR Station _____
 Structure: 024-3082 Bored by: J. Carter
 County: Edwards Checked By: T. Holcomb

Boring No.: <u>1</u>	Station: _____	Offset: _____	Elevation	N	Qu tsf	w %	Surface Water Elev. _____	Ground Water Elev. <u>401.32</u>	During Drilling	Upon Completion <u>381.22</u>	Elevation	N	Qu tsf	w %	
Ground Surface <u>420.32</u> 0															
2" Asphalt over															
7" Crushed Stone <u>419.62</u>															
Brown Mottled Gray Silty to Sandy CLAY (A-6)															
14 1.85 16															
393.32															
Gray Fine to Medium SAND (A-2-4)															
-5 19 2.05 20															
411.82															
Gray Mottled Brown Silty to Sandy CLAY (A-6)															
-10 3 0.38 22															
386.82															
Gray Silty to Sandy CLAY (A-6)															
4 0.65 20															
406.82															
Brown Mottled Gray Silty to Sandy CLAY (A-6)															
-15 5 1.08 24															
4 0.68 25															
401.82															
Gray Silty CLAY to CLAY with fine sand (A-7-6)															
-20 2 1.48 28															
3 1.38 24															

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

Bridge Foundation Boring Log

Project: H-08074 Bridge _____ Date: 5-2-08
 Section: 06-00061-00-BR Station _____
 Structure: 024-3082 Bored by: J. Carter
 County: Edwards Checked By: T. Holcomb

Boring No.: <u>1</u>	Station: _____	Offset: _____	Elevation	N	Qu tsf	w %	Surface Water Elev. _____	Ground Water Elev. <u>401.32</u>	During Drilling	Upon Completion <u>381.22</u>	Elevation	N	Qu tsf	w %	
silty to sandy clay (continued)															
45 14 2.78 15															
357.82															
Gray SHALE															
100 72 - 9															
-70															
100 74 - 11															
-50 23 4.38 15															
346.32															
End of Boring @ -74.0'															
-75															
-55 14 2.58 17															
-60															
16 2.28 17															
-80															
-85															
356.82															
Gray Fine to Medium SAND (A-2-4)															
-65 19 - 27															

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 - S.W.M.
 DRAWN - D.T.M.
 CHECKED - D.T.M.

BORING 1

STRUCTURE NO. 024-3136

HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400	SHEET NO. 8	C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	9 SHEETS	4	06-00061-00-BR	EDWARDS	13	12
PROJECT NUMBER: 08.0184.130 DATE: 11/05/08				CONTRACT NO. 95571		
				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		