Christian County Bridge
Stonington Township
Existing Structure No. 011-3172
Project #181-2979

ATLAS SOILS, INC.
HILLSBORO, ILLINOIS
PHONE 217/532-3959

DATE: October 7, 2009
BORING TECH.: T. Bradburn
DRILLING TECH.: M. Hough

FOUNDATION BORING LOG

BORING NO.: 2 Station: 50 ft. N. of Chisled "X" in N.W. Wingwall, 8 ft. W of Centerline. SURFACE ELEV.: 606.2 ft.	N Value	Qu (tsf)	W (%)	REC (%)	GROUNDWATER ELEV. COMP.: -7.5 ft; Bridge @ -21.5 ft. AFTER 1.5 HRS.: -5.5 ft.; Bridge at -20.8 ft.	N Value	Qu (tsf)	W (%)	REC (%)
0					20				
SILTY CLAY (CL), Dark Brown, Moist, Stiff		BS			SILT (ML), Gray, Dry to Moist, Stiff		S		
	7	2.63	20.4	80		22	1.01	20.6	95
		P			LOAM, Brown, Moist, Medium Stiff				
5	5	1.50	24.8	85	25	6	NP	12.3	100
CLAY (CL), Gray, Reddish-Brown, Mottled, Moist, Medium Stiff		P			SAND (SP), Brown, Saturated, Very Dense, Very Fine to Medium Coarse, Trace of Fines				
	3	1.25	27.3	95		97	NP	--	100
CLAY LOAM (CL), Gray, Wet, Soft		B			SILTY LOAM TILL (ML), Gray, Dry to Moist, Hard, Trace of Sand		S		
10	2	0.73	21.7	100	30	59	4.85	8.5	100
SILTY LOAM (ML), Gray, Moist to Wet, Stiff		BS							
	5	1.70	18.6	75					
SANDY LOAM (SP), Gray, Saturated, Very Loose					SILTY CLAY TILL (CL), Gray Dry to Moist, Hard, Trace of Sand		–		
15	2	NP	--	100	35	42	>6.45	12.4	100
SILTY CLAY LOAM (CL), Gray, Moist, Hard, Few Sand, Trace of Gravel		B							
	16	4.65	10.3	100					
		–			SILTY LOAM (ML), Gray, Dry to Moist, Hard		S		
20	21	>6.45	9.9	90	40	52	3.85	16.2	100

N: Blows per ft. to Drive 2" O.D. Split Spoon Sampler 12" with 140 lb. Hammer falling 30" (Standard Penetration Test)

Qu: Unconfined Compression Strength
NP: Non-Plastic
ST: Shelby Tube
W: Water Content

Type Failure:
B: Bulge Failure
S: Shear Failure
NS: No Sample
P: Penetrometer

RQD: Rock Quality Determination

Christian County Bridge
Stonington Township
Existing Structure No. 011-3172
Project #181-2979

ATLAS SOILS, INC.
HILLSBORO, ILLINOIS
PHONE 217/532-3959

DATE: October 7, 2009
BORING TECH.: T. Bradburn
DRILLING TECH.: M. Hough

FOUNDATION BORING LOG

BORING NO.: 2 Station: 50 ft. N. Chisled "X" in N.W. Wingwall, 8 ft. W of Centerline. SURFACE ELEV.: 606.2 ft.	N Value	Qu (tsf)	W (%)	REC (%)	GROUNDWATER ELEV. COMP.: -7.5 ft; Bridge @ -21.5 ft. AFTER 1.5 HRS.: -5.5 ft.; Bridge at -20.8 ft.	N Value	Qu (tsf)	W (%)	REC (%)
40					60				
SILTY LOAM (ML), Gray, Dry to Moist, Hard									
Brown, Moist, Stiff		P							
45	12	2.22	35.7	100	65				
SILTY CLAY LOAM TILL (CL), Gray, Moist, Hard, Trace of Sand		B			Notes: 1) Borehole backfilled with soil cuttings upon completion of final groundwater measurement.				
50	36	>6.46	26.8	100	70				
End of Exploration at -50.0 ft.					2) Surface water at approximate 599.7 ft. elevation at time of boring activities. 3) Elevations based on local benchmark in NW wingwall provided by Christian County Highway Department.				
55					75				
60					80				

N: Blows per ft. to Drive 2" O.D. Split Spoon Sampler 12" with 140 lb. Hammer falling 30" (Standard Penetration Test)

Qu: Unconfined Compression Strength
NP: Non-Plastic
ST: Shelby Tube
W: Water Content

Type Failure:
B: Bulge Failure
S: Shear Failure
NS: No Sample
P: Penetrometer

RQD: Rock Quality Determination

FILENAME: i:\jobs\christiancounty\7166 tr 126 over buckhart creek\cadd\cadd sheets\011-3418-00000.dgn

USER NAME = dheberling	DESIGNED - TJZ	REVISED
	DRAWN - DLH	REVISED
PLOT SCALE = 0.0000 '' / IN.	CHECKED - SDS	REVISED
PLOT DATE = 11/14/2011	DATE - 8/25/11	REVISED

WHKS & CO. ENGINEERING
7018 KINGSMILL CT.,
SPRINGFIELD, IL
(217) 483-9457
DESIGN FIRM #184001036

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS
TR 216 OVER BUCKHART CREEK
SCALE: | SHEET NO. 9 OF 9 SHEETS | ℄ STA.

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
216	08-16112-00-BR	CHRISTIAN	26	13
S.N. - 011-3418		CONTRACT 93559		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		