

BORING NO. B-02
DATE: 08-08-10
W & A FILE NO. 6427
SHEET 3 OF 6

WHITNEY & ASSOCIATES
INCORPORATED
2406 West Nebraska Avenue
PEORIA, ILLINOIS 61604

BORING LOG

PROJECT: SMITHVILLE ROAD BRIDGE OVER COOPERAS CREEK
LOCATION: Peoria County, Illinois
NO. AND LOCATION: 53' East of West Abutment, 7' South of North Parapet
DRILLED BY: Fehi

LOGGING TYPE: Hollow Stem Auger
WEATHER CONDITIONS: Partly Cloudy & Mild
SOIL CLASSIFICATION SYSTEM: U.S.B.S.C.
SEEPAGE WATER ENCOUNTERED AT ELEVATION: (-)20.0 Ft. (30' depth)
GROUND SURFACE ELEVATION: 578.6
GROUND WATER ELEVATION AT: HBW
BORING DISCONTINUED AT ELEVATION: 531.1
GROUND WATER ELEVATION AT COMPLETION: (-)20.0 FL (30' depth)

DEPTH IN FEET	DESCRIPTION	DEPTH IN FEET	DEPTH IN FEET	N	Q _u	Q _c	D _s	M _c
0-3.5'	BITUMINOUS CONCRETE							
3.5-19'	CONCRETE (BRIDGE DECK)							
19-20'								
20-21.5'	CREEK BED (21.5 FEET)							
21.5-24'	Medium, Dark Gray SILTY CLAY	2	0.9	0.8			27	
24-25'	Stiff, Dark Gray SILTY CLAY	2 3(5) 3 4(7)	1.2	1.1	96		25	

N - BLOW COUNT PER FOOT BY A 140 LB. HAMMER FALLING 30 INCHES
SS - SFL T-SPONG SAMPLE
ST - SHELL TUBE SAMPLE
Q_u - CALIBRATED SPT CHAMFER READING - T.S.F.
Q_c - UNCONFIRMED CONFINED COMPRESSIVE STRENGTH - T.S.F.
D_s - NATURAL DRY DENSITY - P.C.F.
M_c - NATURAL MOISTURE CONTENT - %

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BORING LOG
(CONTINUATION)

BORING NO. B-02 DATE: 09-08-10
PROJECT: Smithville Road Bridge Over Cooperas Creek SHEET 4 OF 6
LOCATION: Peoria County, Illinois W & A FILE NO. 6427

DEPTH IN FEET	DESCRIPTION	DEPTH IN FEET	DEPTH IN FEET	N	Q _u	Q _c	D _s	M _c
531.0	See Sheet 3 of 6			2 2 2(4)	1.1	0.9		18
547.1	Medium, Dark Gray SILTY CLAY (Glacial Till)	30		2 2 3(5) 9 10 15(25)	1.3	1.0	111	19
544.8	Stiff, Dark Gray SANDY CLAY (Glacial Till)				1.5	1.2		19
544.8	Dense, Dark Gray, Medium-Grained SAND And SILTY CLAY With Trace Of Coal	34		15 16 16(32)				21
540.1	Medium-Density, Dark Gray, Medium-Grained SAND With Considerable Silty Clay And Trace Of Coal	38						
536.6	Hard, Gray CAP ROCK	42		8 9 16(25)				19
531.1	AUGER REFUSAL AT (-)47.5 FEET EXPLORATORY BORING DISCONTINUED	46		12(13)				7
50								
54								

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