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LAYOUT: RLA 10/11/05 1/6  
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REVIEWED: JJT 10/20/05 105789-051014-Struoff-Sherrill-10/20/05

**WHITNEY & ASSOCIATES**  
2408 West Nebraska Avenue  
PEORIA, ILLINOIS 61604

**BORING LOG**

BORING NO. B-01  
DATE 7-12-96  
W. & A. FILE NO. 8177  
SHEET 4 OF 4

PROJECT MIDDLE HENDERSON CREEK BRIDGE #04-00035-01-BR LOCATION Warren County, Illinois  
BORING LOCATION Station 35+40; 6' Left Of Centerline  
BORING TYPE Hollow-Stem Auger  
SOIL CLASSIFICATION SYSTEM U.S. S. S. C. WEATHER CONDITIONS Partly Cloudy & Mild  
GROUND SURFACE ELEVATION 654.0 SEEPAGE WATER ENCOUNTERED AT ELEVATION 633.5  
BORING DISCONTINUED AT ELEVATION 618.0 GROUND WATER ELEVATION AT COMPLETION 639.7

DEPTH IN FEET	SAMPLE TYPE	N	Qp	Qu	Ds	Mc
5*	BITUMINOUS CONCRETE					
15*	CRUSHED LIMESTONE					
	Soft, Brown SILTY CLAY					
04	SS 1	0.5	0.5	92	23	
	1(2)					
	SS 1	0.8	0.7	88	27	
	2(4)					
	SS 1	0.9	0.7	93	26	
	2(3)					
08	SS 1	1.0	0.8	92	28	
	2(3)					
12	SS 2	0.8	0.7	97	25	
	1					
	2(3)					
16	SS 2	1.5	1.3	103	19	
	2(4)					
20	SS 1	0.6	0.5	96	25	
	1(2)					
	SS 12	4.5	4.4	117	10	
	16					
	25(42)					
24	SS 40	4.5	-	-	9	
	54					

N - BLOWS DELIVERED PER FOOT BY A 140 LB. HAMMER FALLING 30 INCHES  
SS - SPLIT SPOON SAMPLE  
ST - SHELBY TUBE SAMPLE

Qp - CALIBRATED PENETROMETER READING - T.S.F. FALLING 30 INCHES  
Qu - UNCONFINED COMPRESSIVE STRENGTH - T.S.F.  
Ds - NATURAL DRY DENSITY - P.C.F.  
Mc - NATURAL MOISTURE CONTENT - %

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**BORING LOG**

BORING NO. B-01  
DATE 7-12-96  
W. & A. FILE NO. 8177  
SHEET 2 OF 4

PROJECT Middle Henderson Creek Bridge #04-00035-01-BR LOCATION Warren County, Illinois  
BORING LOCATION Station 34+60; 7' Right Of Centerline  
BORING TYPE Hollow-Stem Auger  
SOIL CLASSIFICATION SYSTEM U.S. S. S. C. WEATHER CONDITIONS Partly Cloudy & Mild  
GROUND SURFACE ELEVATION 653.8 SEEPAGE WATER ENCOUNTERED AT ELEVATION 632.3  
BORING DISCONTINUED AT ELEVATION 617.8 GROUND WATER ELEVATION AT COMPLETION 638.9

DEPTH IN FEET	SAMPLE TYPE	N	Qp	Qu	Ds	Mc
	See Sheet 1 Of 4					
	SS 29	4.5*	-	-	9	
	74					
30	SS 85/2*	4.5*	-	-	10	
	34					
	SS 104/3*	4.5*	-	-	9	
	92/1*	4.5*	-	-	9	
EXPLORATORY BORING DISCONTINUED						

N - BLOWS DELIVERED PER FOOT BY A 140 LB. HAMMER FALLING 30 INCHES  
SS - SPLIT SPOON SAMPLE  
ST - SHELBY TUBE SAMPLE

Qp - CALIBRATED PENETROMETER READING - T.S.F. FALLING 30 INCHES  
Qu - UNCONFINED COMPRESSIVE STRENGTH - T.S.F.  
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PEORIA, ILLINOIS 61604

**BORING LOG**

BORING NO. B-02  
DATE 7-12-96  
W. & A. FILE NO. 8177  
SHEET 3 OF 4

PROJECT MIDDLE HENDERSON CREEK BRIDGE #04-00035-01-BR LOCATION Warren County, Illinois  
BORING LOCATION Station 34+60; 7' Right Of Centerline  
BORING TYPE Hollow-Stem Auger  
SOIL CLASSIFICATION SYSTEM U.S. S. S. C. WEATHER CONDITIONS Partly Cloudy & Mild  
GROUND SURFACE ELEVATION 653.8 SEEPAGE WATER ENCOUNTERED AT ELEVATION 632.3  
BORING DISCONTINUED AT ELEVATION 617.8 GROUND WATER ELEVATION AT COMPLETION 638.9

DEPTH IN FEET	SAMPLE TYPE	N	Qp	Qu	Ds	Mc
4*	BITUMINOUS CONCRETE					
14*	CRUSHED LIMESTONE					
	Medium, Brown Bottled Orange-Brown SILTY CLAY (Fill)					
04	SS 3	0.8	0.7	95	17	
	4					
	5(9)					
	SS 4	0.8	0.6	94	21	
	5					
	7(12)					
08	SS 1	1.1	1.0	92	30	
	1(2)					
	SS 2	0.9	0.7	78	35	
	1					
	2(3)					
12	SS 2	1.0	0.8	76	35	
	1					
	1(2)					
16	SS 2	1.2	1.1	98	31	
	2					
	2(4)					
	SS 5	0.4	0.3	86	33	
	5					
	6(11)					
20	SS 5	3.0	-	-	13	
	6					
	7(13)					
	SS 10	3.5	3.2	116	11	
	13(23)					
	SS 19	4.0	3.8	108	19	
	29					
	34(63)					

N - BLOWS DELIVERED PER FOOT BY A 140 LB. HAMMER FALLING 30 INCHES  
SS - SPLIT SPOON SAMPLE  
ST - SHELBY TUBE SAMPLE

Qp - CALIBRATED PENETROMETER READING - T.S.F. FALLING 30 INCHES  
Qu - UNCONFINED COMPRESSIVE STRENGTH - T.S.F.  
Ds - NATURAL DRY DENSITY - P.C.F.  
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BORING DISCONTINUED AT ELEVATION 617.8 GROUND WATER ELEVATION AT COMPLETION 638.9

DEPTH IN FEET	SAMPLE TYPE	N	Qp	Qu	Ds	Mc
	See Sheet 3 Of 4					
	Hard, Gray SHALE					
	SS 40	4.5*	-	-	11	
	61					
30	SS 103/4*	-	-	-	11	
	34					
	SS 98/3*	-	-	-	10	
	87/1*	-	-	-	10	
EXPLORATORY BORING DISCONTINUED						

N - BLOWS DELIVERED PER FOOT BY A 140 LB. HAMMER FALLING 30 INCHES  
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ST - SHELBY TUBE SAMPLE

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WHITNEY & ASSOCIATES  
PEORIA, ILLINOIS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.S. 405  
SECTION 04-00035-01-BR  
WARREN COUNTY  
COUNTY HIGHWAY 1 OVER MIDDLE HENDERSON CREEK

**BORING LOGS**

SCALE: VERT.  
HORIZ.  
DATE 02/06/06

DRAWN BY RLA  
CHECKED BY JJT