


CONTRACT NO. 89346


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

BORING LOG

BORING NO. B-02
 DATE 11-06-03
 W. & A. FILE NO. 3310
 SHEET 4 OF 6

PROJECT DELAVAN ROAD BRIDGE, SEC. #03-00028-03-BR LOCATION Tazewell County, IL
 BORING LOCATION 9'S of South Abutment, 9' E of Centerline (Drilled by Pohl)
 BORING TYPE Hollow Stem Auger WEATHER CONDITIONS Partly Cloudy & Mild
 SOIL CLASSIFICATION SYSTEM U.S.B.S.C. SEEPAGE WATER ENCOUNTERED AT ELEVATION (-)10.9 Ft.
 GROUND SURFACE ELEVATION 93.8 = 52.4' GROUND WATER ELEVATION AT COMPLETION (-)13.1 Ft.
 BORING DISCONTINUED AT ELEVATION 38.8 = 11.4' GROUND WATER ELEVATION AT COMPLETION (-)13.1 Ft.

| DESCRIPTION | DEPTH IN FEET | SAMPLE TYPE | N | Qp | Qu | Ds | Mc |
|--|---------------|-------------|-------|-------|-----|-----|----|
| BITUMINOUS CONCRETE (CLAS I) | 2" | | | | | | |
| BITUMINOUS CONCRETE (B-3) | 9" | | | | | | |
| Brown Medium-Grained SAND AND GRAVEL | 20" | | 3 | 1.7 | 1.5 | 92 | 23 |
| Stiff, Dark Gray SILTY CLAY With Considerable Organic Matter (FILL) | 04 | SS | 3(6) | | | | |
| | 55.4 | | | | | | |
| | | | 3 | 1.5 | 1.3 | 90 | 24 |
| | | | 4(7) | | | | |
| Stiff, Dark Gray SILTY CLAY With Some Fine-Grained Gravel (FILL) | 08 | SS | 4 | 1.2 | 1.0 | 96 | 23 |
| | 55.4 | | | | | | |
| | | | 4 | 1.5 | 1.2 | 95 | 24 |
| | | | 10 | 6(16) | | | |
| | 12 | | 5 | 1.4 | 1.2 | 96 | 24 |
| | | | 7 | 1.4 | 1.2 | 96 | 24 |
| | | | 8(15) | | | | |
| Stiff, Dark Gray SILTY CLAY With Some Organic Matter (FILL) | 16 | SS | 3 | 1.5 | 1.3 | 90 | 30 |
| | | | 3(6) | | | | |
| | | | 4 | 2.6 | 2.7 | 120 | 14 |
| Very Stiff, Gray and Orange-Brown, Weathered GLACIAL SILTY CLAY TILL | 20 | SS | 5(10) | | | | |
| | 52.4 | | | | | | |
| Very Stiff, Gray, Unweathered GLACIAL SILTY CLAY TILL | 20 | SS | 5 | 3.6 | 3.3 | 122 | 13 |
| | | | 6(11) | | | | |
| | | | 5 | 3.5 | 2.8 | 124 | 12 |
| | | | 6(11) | | | | |
| | 24 | | 4 | 4.5 | 3.9 | 125 | 12 |
| | 52.4 | | | | | | |
| | | | 6(12) | | | | |

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 - %

WHITNEY & ASSOCIATES
PEORIA, ILLINOIS

BORING LOG
 (CONTINUATION)

BORING NO. B-02 DATE 11-06-03

PROJECT Delavan Road Bridge, Sec. #03-00028-03-BR SHEET 5 OF 6
 LOCATION Tazewell County, Illinois W. & A. FILE NO. 3310

| DESCRIPTION | DEPTH IN FEET | SAMPLE TYPE | N | Qp | Qu | Ds | Mc |
|---|---------------|-------------|--------|-----|-----|-----|----|
| See Sheet 4 of 6 | | | | | | | |
| Hard, Gray, Unweathered GLACIAL SILTY CLAY TILL | 30 | SS | 9 | 4.5 | 7.2 | 127 | 10 |
| | | | 14 | | | | |
| | | | 17(31) | | | | |
| | 52.4 | | | | | | |
| | | | 9 | 4.5 | 5.3 | 126 | 10 |
| | | | 13(22) | | | | |
| | 34 | | | | | | |
| | 52.4 | | | | | | |
| | | | 21 | 4.5 | 6.6 | 127 | 9 |
| | | | 38 | | | | |
| | | | 38(76) | | | | |
| Dense, Orange-Brown, Fine- To Medium-Grained SAND With Occasional Fine-Grained Gravel | 38 | | | | | | |
| | 52.4 | | | | | | |
| | | | 10 | | | | |
| | | | 14 | | | | |
| | | | 28(42) | | | | 14 |
| Dense, Orange-Brown and Brown, Fine-Grained SAND | 42 | | | | | | |
| | 52.4 | | | | | | |
| | | | 14 | | | | |
| | | | 22 | | | | |
| | | | 21(43) | | | | |
| | 46 | | | | | | |
| | 52.4 | | | | | | |
| | | | 7 | | | | |
| | | | 15 | | | | |
| | | | 33(48) | | | | |
| | 50 | | | | | | |
| | 52.4 | | | | | | |
| | | | 11 | | | | |
| | | | 19 | | | | |
| | | | 34(53) | | | | |
| | 34 | | | | | | |
| | 52.4 | | | | | | |

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 - %

WHITNEY & ASSOCIATES
PEORIA, ILLINOIS

BORING LOG
 (CONTINUATION)

BORING NO. B-02 DATE 11-06-03

PROJECT Delavan Road Bridge, Sec. #03-00028-03-BR SHEET 6 OF 6
 LOCATION Tazewell County, Illinois W. & A. FILE NO. 3310

| DESCRIPTION | DEPTH IN FEET | SAMPLE TYPE | N | Qp | Qu | Ds | Mc |
|--------------------------------------|---------------|-------------|--------|----|----|----|----|
| See Sheet 5 of 6 | | | | | | | |
| Very Dense, Brown, Fine-Grained SAND | 60 | SS | 18 | | | | |
| | | | 25 | | | | |
| | | | 37(61) | | | | |
| EXPLORATORY BORING DISCONTINUED | | | | | | | |
| | 64 | | | | | | |
| | 66 | | | | | | |
| | 68 | | | | | | |
| | 72 | | | | | | |
| | 76 | | | | | | |
| | 80 | | | | | | |
| | 84 | | | | | | |


NOTE: Amended Benchmark (100.0) - Centerline of Road 30' North of Existing Bridge = 560.6 USGS

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 - %

WHITNEY & ASSOCIATES
PEORIA, ILLINOIS

BORING 2

| | | |
|--|--|--|
|  Account Number 02-91-0012-1 Date: 08/03/04 DESIGNED: T.P.L. | Rice, Berry and Associates A Division of Hampton, Lenzini and Renwick, Inc. Civil & Structural Engineers 801 S. Durkin Drive Springfield, Illinois 62704 217-546-3400 | BORING 2 F.A.S. 1464 / C.H. 2 / DELAVAN ROAD SECTION 03-00028-03-BR TAZEWELL COUNTY STR. NO. 090-3241 / STATION 10+00 |
| | P.O. Box 1036 DuQuoin, Illinois 62832 618-790-4637 CHECKED: S.W.M. DRAWN: D.B. | |