



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

BORING LOG

BORING NO. B-1
DATE 12-04-89
W. & A. FILE NO. 3358
SHEET 1 OF 8

PROJECT SMITHVILLE ROAD BRIDGE-SEC. 89-00005-00-BR LOCATION Peoria County, Illinois

BORING LOCATION Station 221+30; 13' Left of Centerline DRILLED BY Fehl
BORING TYPE Hollow-Stem Auger WEATHER CONDITIONS Clear & Mild
SOIL CLASSIFICATION SYSTEM U.S.B.S.C. SEEPAGE WATER ENCOUNTERED AT ELEVATION None
GROUND SURFACE ELEVATION 676.8 GROUND WATER ELEVATION AT - HRS. -
BORING DISCONTINUED AT ELEVATION 648.1 GROUND WATER ELEVATION AT COMPLETION None

| DESCRIPTION | DEPTH IN FEET | SAMPLE TYPE | N | Qp | Qu | Dd | Mc |
|--|---------------|-------------|-------------------|-----|-----|-----|----|
| STIFF TO VERY STIFF, BROWN SANDY CLAY | | | | | | | |
| | 4 | SS | 2 ₂₃ | 1.1 | 1.0 | 119 | 15 |
| | | SS | 2 ₄₅ | 2.6 | 2.5 | 112 | 22 |
| | 8 | SS | 3 ₆₇ | 3.8 | 3.7 | 119 | 20 |
| | | SS | 3 ₆₆ | 2.6 | 2.6 | 123 | 17 |
| MEDIUM TO STIFF, DARK GRAY SILTY CLAY | 12 | | | | | | |
| | | SS | 2 ₂₄ | 0.6 | 0.6 | 99 | 31 |
| | 16 | SS | 2 ₃₅ | 1.0 | 1.0 | 104 | 23 |
| LOOSE, GRAY, FINE- TO MEDIUM-GRAINED SAND WITH TRACE OF SILTY CLAY | | SS | 2 ₄₄ | - | - | - | 22 |
| | 20 | | | | | | |
| | | SS | 3 ₄₆ | 1.8 | 1.8 | 118 | 20 |
| STIFF, DARK GRAY CLAY | | | | | | | |
| | 24 | SS | 5 ₇₇ | 2.0 | 1.9 | 109 | 21 |
| | | SS | 0 ₁₀₁₅ | 4.0 | 3.9 | - | 13 |

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.
Qu - UNCONFINED COMPRESSIVE STRENGTH - T.S.F.
Dd - NATURAL DRY DENSITY - P.C.F.
Mc - NATURAL MOISTURE CONTENT - %

BORING NO. B-1 BORING LOG (CONTINUATION) DATE 12-04-89
PROJECT SMITHVILLE ROAD BRIDGE-SEC. 89-00005-00-BR SHEET 2 OF 8
LOCATION Peoria County, Illinois W. & A. FILE NO. 3358

| DESCRIPTION | DEPTH IN FEET | SAMPLE TYPE | N | Qp | Qu | Dd | Mc |
|--|---------------|-------------|----------|-----|-----|-----|----|
| STIFF TO VERY STIFF, DARK GRAY NEAR CLAY SHALE | | | | | | | |
| VERY STIFF, LIGHT GRAY CLAY SHALE | | SS | 48 59 | 3.5 | 3.5 | 131 | 11 |
| EXPLORATORY BORING DISCONTINUED | 30 | | | | | | |
| | 34 | | | | | | |
| | 38 | | | | | | |
| | 42 | | | | | | |
| | 46 | | | | | | |
| | 50 | | | | | | |
| | 54 | | | | | | |

DESIGNED MGO
CHECKED PJL
DRAWN DMF
CHECKED MGO

WHITNEY & ASSOCIATES
PEORIA, ILLINOIS

CLARK ENGINEERS MW, INC.
3485 North Drive Lane
Peoria, Illinois 61604

SOIL BORING LOGS
COUNTY HIGHWAY 052
SMITHVILLE ROAD
T-8-N, R-6-E, 4th. P.M. SECTION 21
PEORIA COUNTY