STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION



| DESIGNED | | | |
|----------|---------------|---|------|
| CHECKED | | | |
| DRAWN | W.J.S. | | |
| CHECKED | <i>C.J.F.</i> | 8 | B.B. |



BERNARDIN LOCHMUELLER & A SSOCIATES INC ASSOCIATES, INC.

| ROUTE FAP 322 SECTION 25BR-1 | DES | CRII | PTIO | U.S. N | . 51 ov Appro: | IL BORING LOG or North Fork Kaskaskia River - Bridge Replacement U 1.5.miles south of Vernon; NE 1/4, SEC. // AE 750 w/HSA HAMMER TYPE | 21. T | Date ED BY | <u>s</u> | 13/2008 CI |
|--|-----------------|-----------------------|--------------------------------|----------------------------|------------------------------|---|-------------------------------|--------------------------------|----------------------------|------------------------------|
| STRUCT. NO. 061-0002 (existing Station 687+83 BORING NO. B-2 Station 687+58 Offset 36.R Rt Ground Surface Elev. 474.6. CLAY: Gray, high plastic, some sand, trace fine gravel | | D E P T H | B L O W S (/6") | U C S Qu (tsf) | M O I S T (%) | Surface Water Elev. 469.8 ft Stream Bed Elev. 466.8 ft Groundwater Elev.: Friet Encounter Priet Encounter 463.6 ft ¥ Upon Completion 6 ft After 60. Hrs. 465.6 ft ¥ CLAYEY SAND: Graylish brown, fine to motion, trace to some fine | D E P T H (ft) | B L O W S (/6") | U C S Qu (tsf) | M O I S T (%) |
| (A-7) (continued) | - | | 15 23 26 | 9.6 S/15 | 10 | gravel (A-2) | | 4 11 19 | - | 12 |
| | - | | 4 11 17 24 | 6.1 B | 11 | SANDSTONE: Gray408.6 Excess water observed in wash tub. Additional samples into the sandstone could not be performed due to the amount of fallin. | | 9 100 | | 16 |
| CLAY: Brown and gray, high plastic (A-7) | 423.6 | -50 | 3 5 8 | 2.8 B | 25 | Boring terminated at 70.0 ft. | 70 | | | |
| SANDY CLAY: Gray, low plastic - | | | 8 | | | | -75 | | | |
| v· · · / | - - 414.6 | -60 | 8 9 12 | 2.5 S/15 | 15 | | | | | |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

SOIL BORINGS-1 STRUCTURE NUMBER 061-0094

| SHEET NO.22 | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
|-------------|---|-------------|----------|-----------------|--------------|--|
| | 322 | 25BR-1 | MARION | 63 | 45 | |
| 23 SHEETS | | SN 061-0094 | CONTRACT | NO. 76 | A83 | |
| | FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT 322 | | | | | |