

LOG OF BORING

Date Started 3-17-72 Sampler Type SS Dia. 1 3/8" Water Elev. _____
 Date Completed 3-22-72 Casing Length 25' Dia. 3 1/2"
 Boring No. B-7 Station & Offset 699+32, 90' LT. (FORWARD PIER) Surface Elev. 767.8'

| Elev. | Depth | Std. Pen. (N) | Rec. ft. | Loss ft. | Description | Sample No. | Physical Characteristics | | | | | | | | | | SHTL Class. | | | | |
|-------|-------|---------------|----------|----------|--|------------|--------------------------|--------|--------|--------|--------|------|------|------|--|--|-------------|--|--|------|--|
| | | | | | | | % Agg. | % C.S. | % F.S. | % Silt | % Clay | L.L. | P.I. | W.C. | | | | | | | |
| 767.8 | 0 | | | | | | | | | | | | | | | | | | | | |
| 762.8 | 5 | 3/4 | | | BROWNISH-GRAY SANDY SILT | 1 | 5 | 4 | 41 | 36 | 14 | HP | HP | 19 | | | | | | A-4a | |
| 757.8 | 10 | 4/6 | | | GRAY SILT | 2 | 2 | 4 | 11 | 58 | 25 | 22 | 6 | 18 | | | | | | A-4b | |
| 752.8 | 15 | 6/8 | | | GRAY SILT | 3 | 0 | 0 | 18 | 56 | 26 | 20 | 7 | 19 | | | | | | A-4b | |
| 747.8 | 20 | 5/9 | | | GRAY SILT AND CLAY | 4 | 4 | 5 | 7 | 37 | 47 | 30 | 12 | 16 | | | | | | A-6a | |
| 742.8 | 26 | | | | TOP OF ROCK | | | | | | | | | | | | | | | | |
| | 28 | | 3.7 | 1.3 | CLAY SHALE, DARK-GRAY AND GRAY, FIRM, CARBONACEOUS AND FISSILE-IN-PART WITH CLAY SEAMS IN THE UPPER 15 FEET, GENERALLY BROKEN AND JOINTED. CORE LOSS 1%. | | | | | | | | | | | | | | | | |
| | 32 | | 4.5 | 0.5 | | | | | | | | | | | | | | | | | |
| | 38 | | 4.1 | 0.9 | | | | | | | | | | | | | | | | | |
| | 42 | | 4.5 | 0.5 | | | | | | | | | | | | | | | | | |
| | 44 | | | | | | | | | | | | | | | | | | | | |
| | 46 | | | | | | | | | | | | | | | | | | | | |
| | 48 | | 4.9 | 0.1 | | | | | | | | | | | | | | | | | |
| | 50 | | | | | | | | | | | | | | | | | | | | |
| | 52 | | 4.8 | 0.2 | | | | | | | | | | | | | | | | | |
| | 54 | | | | | | | | | | | | | | | | | | | | |
| | 56 | | | | | | | | | | | | | | | | | | | | |
| | 58 | | 4.0 | 1.0 | | | | | | | | | | | | | | | | | |
| 707.8 | 60 | | | | | | | | | | | | | | | | | | | | |

BOTTOM OF BORING

LOG OF BORING

Date Started 3-1-72 Sampler Type SS Dia. 1 3/8" Water Elev. _____
 Date Completed 3-8-72 Casing Length 25' Dia. 3 1/2"
 Boring No. B-10 Station & Offset 641+98, 65' RT. (FORWARD ABUTMENT) Surface Elev. 774.1'

| Elev. | Depth | Std. Pen. (N) | Rec. ft. | Loss ft. | Description | Sample No. | Physical Characteristics | | | | | | | | | | SHTL Class. | | | | | |
|-------|-------|---------------|----------|----------|---|------------|--------------------------|--------|--------|--------|--------|------|------|------|--|--|-------------|--|--|--|------|--|
| | | | | | | | % Agg. | % C.S. | % F.S. | % Silt | % Clay | L.L. | P.I. | W.C. | | | | | | | | |
| 774.1 | 0 | | | | | | | | | | | | | | | | | | | | | |
| 769.1 | 5 | 3/4 | | | BROWN SILTY SAND | 1 | 4 | 4 | 68 | 16 | 8 | HP | HP | 22 | | | | | | | A-3a | |
| 764.1 | 10 | 5/5 | | | GRAY SILT | 2 | 0 | 1 | 8 | 62 | 29 | 20 | 5 | 25 | | | | | | | A-4b | |
| 759.1 | 15 | 5/7 | | | GRAY SILT AND CLAY | 3 | 0 | 0 | 2 | 44 | 54 | 32 | 12 | 22 | | | | | | | A-6a | |
| 754.1 | 20 | 5/6 | | | GRAY SANDY CLAY | 4 | 11 | 4 | 9 | 35 | 41 | 27 | 12 | 16 | | | | | | | A-6a | |
| 749.1 | 24 | | | | TOP OF ROCK | | | | | | | | | | | | | | | | | |
| | 26 | | | | SHALE, DARK-GRAY, MEDIUM-FIRM, CARBONACEOUS AND FISSILE-IN-PART, WITH CLAY SEAMS AND GRAY FIRM, FINE-GRAINED SANDSTONE INTERVALS BETWEEN 26.5' AND 28.0' AND 34.4' AND 35.0', BROKEN AND JOINTED. CORE LOSS 4%. | | | | | | | | | | | | | | | | | |
| | 28 | | 3.9 | 1.1 | | | | | | | | | | | | | | | | | | |
| | 30 | | | | | | | | | | | | | | | | | | | | | |
| | 32 | | 4.5 | 0.5 | | | | | | | | | | | | | | | | | | |
| | 34 | | | | | | | | | | | | | | | | | | | | | |
| | 36 | | | | | | | | | | | | | | | | | | | | | |
| | 38 | | 5.0 | 0.0 | | | | | | | | | | | | | | | | | | |
| 735.1 | 40 | | | | SANDSTONE, GRAY, FIRM, FINE-GRAINED, BROKEN. NO CORE LOSS. | | | | | | | | | | | | | | | | | |
| 731.6 | 42 | | 5.0 | 0.0 | | | | | | | | | | | | | | | | | | |
| | 44 | | | | | | | | | | | | | | | | | | | | | |
| | 46 | | | | | | | | | | | | | | | | | | | | | |
| | 48 | | 4.2 | 0.8 | | | | | | | | | | | | | | | | | | |
| | 50 | | | | | | | | | | | | | | | | | | | | | |
| | 52 | | 5.0 | 0.0 | | | | | | | | | | | | | | | | | | |
| | 54 | | | | | | | | | | | | | | | | | | | | | |
| | 56 | | | | SHALE, DARK-GRAY AND GRAY, FIRM, CARBONACEOUS AND FISSILE-IN-PART, BROKEN AND JOINTED. CORE LOSS 4%. | | | | | | | | | | | | | | | | | |
| | 58 | | 4.8 | 0.2 | | | | | | | | | | | | | | | | | | |
| | 60 | | | | | | | | | | | | | | | | | | | | | |
| | 62 | | | | | | | | | | | | | | | | | | | | | |
| | 64 | | 5.0 | 0.0 | | | | | | | | | | | | | | | | | | |
| 700.1 | 64 | | | | | | | | | | | | | | | | | | | | | |

BOTTOM OF BORING

**OHIO DEPARTMENT OF HIGHWAYS
TESTING LABORATORY**
1620 WEST BROAD STREET, COLUMBUS 23, OHIO

STRUCTURE FOUNDATION INVESTIGATION
BRIDGE NO. CUY-480-1565 & 1572
IR 480 AND LANE OBE-JN
UNDER CONRAIL RR.
SEC. CUY-480-15.22

BORING DATA

| | | | |
|----------------------|------------------------|-------------------------|-----------------|
| TYPED BY S. A. C. | CHECKED BY R. D. R. | REVIEWED BY G. P. H. | DATE 4/17/72 |
|----------------------|------------------------|-------------------------|-----------------|