

MICROFILMED  
MAY 11 1981

LOG OF BORING  
Date Started 8-30-83 Sampler Type SS Dia. 1 3/8" Water Elev. 574.8'  
Date Completed 8-31-83 Casing Length Dia. Station & Offset 18+00 20' RT. Surface Elev. 599.8'  
Boring No. B-16

Table with columns: Elev., Depth, Std. Pen. (N), Rec. ft., Loss ft., Description, Sample No., Physical Characteristics (% Agg., % C.S., % F.S., % Silt, % Clay, L.L., P.I., W.C.), SHTL Class. Rows include soil types like BROWN SANDY SILT, BROWN SANDY CLAY, BROWN SILT AND CLAY, BROWN CLAYEY SILT, BROWN SILTY SAND, BROWN SILTY SANDY GRAVEL, and CLAY SHALE.

LOG OF BORING  
Date Started 8-31-83 Sampler Type SS Dia. 1 3/8" Water Elev. 581.7'  
Date Completed 8-31-83 Casing Length Dia. Station & Offset 18+00 45' RT. Surface Elev. 599.2'  
Boring No. B-17

Table with columns: Elev., Depth, Std. Pen. (N), Rec. ft., Loss ft., Description, Sample No., Physical Characteristics (% Agg., % C.S., % F.S., % Silt, % Clay, L.L., P.I., W.C.), SHTL Class. Rows include soil types like BROWN SANDY SILT, BROWN CLAYEY SILT, BROWN SILT AND CLAY, BROWN SILT, BROWN CLAYEY SILT, BROWN GRAVELLY SANDY SILT, BROWN WITH GRAY SILTY SANDY GRAVEL, BROWN SILTY SANDY GRAVEL, and CLAY SHALE.

LOG OF BORING  
Date Started 9-14-83 Sampler Type SS Dia. 1 3/8" Water Elev. 582.0'  
Date Completed 9-14-83 Casing Length Dia. Station & Offset 18+00 90' RT. Surface Elev. 601.0'  
Boring No. B-18

Table with columns: Elev., Depth, Std. Pen. (N), Rec. ft., Loss ft., Description, Sample No., Physical Characteristics (% Agg., % C.S., % F.S., % Silt, % Clay, L.L., P.I., W.C.), SHTL Class. Rows include soil types like BROWN AND GRAY SILT AND CLAY WITH CINDERS, BROWN CLAYEY SILT, BROWN AND GRAY CLAYEY SILT, BROWN CLAYEY SILT, BROWN CLAYEY SILT, BROWN CLAYEY SILT, BROWN SILTY SAND, BROWN SILTY SANDY GRAVEL, BROWN SILTY SANDY GRAVEL, BROWN SILTY SANDY GRAVEL, BROWN AND GRAY SILTY SANDY GRAVEL, and CLAY SHALE.

LOG OF BORING  
Date Started 9/26/83 Sampler Type SS Dia. 1 3/8" Water Elev. 580.0'  
Date Completed 9/27/83 Casing Length Dia. Station & Offset 18+20 CL Surface Elev. 610.0'  
Boring No. B-19

Table with columns: Elev., Depth, Std. Pen. (N), Rec. ft., Loss ft., Description, Sample No., Physical Characteristics (% Agg., % C.S., % F.S., % Silt, % Clay, L.L., P.I., W.C.), SHTL Class. Rows include soil types like BROWN GRAVELLY SANDY SILT, BROWN AND GRAY AND BLACK SAND AND CINDERS, BROWN SILTY GRAVELLY SAND, BROWN CLAYEY SILT, BROWN CLAYEY SILT, BROWN SANDY SILT, BROWN WITH GRAY SILTY SANDY GRAVEL, BROWN SILTY SANDY GRAVEL, and GRAY WEATHERED CLAY SHALE.

LOG OF BORING  
Date Started 8-10-83 Sampler Type SS Dia. 1 3/8" Water Elev. 580.5'  
Date Completed 8-10-83 Casing Length Dia. Station & Offset 18+25 20' RT. Surface Elev. 598.0'  
Boring No. B-20

Table with columns: Elev., Depth, Std. Pen. (N), Rec. ft., Loss ft., Description, Sample No., Physical Characteristics (% Agg., % C.S., % F.S., % Silt, % Clay, L.L., P.I., W.C.), SHTL Class. Rows include soil types like CINDERS, BROWN AND GRAY SILT, BROWN CLAYEY SILT, BROWN SILT AND CLAY, BROWN SANDY SILT, BROWN SILTY GRAVELLY SAND/GRADING ONLY, BROWN SILTY SANDY GRAVEL, BROWN SILTY SANDY GRAVEL, TRACE ORGANIC BOULDERS, and DARK GRAY WEATHERED CLAY SHALE.

LOG OF BORING  
Date Started 12-14-83 Sampler Type SS Dia. 1 3/8" Water Elev. 583.0'  
Date Completed 12-14-83 Casing Length Dia. Station & Offset 18+25 25' RT. Surface Elev. 598.0'  
Boring No. B-20A

Table with columns: Elev., Depth, Std. Pen. (N), Rec. ft., Loss ft., Description, Sample No., Physical Characteristics (% Agg., % C.S., % F.S., % Silt, % Clay, L.L., P.I., W.C.), SHTL Class. Rows include soil types like CINDERS AND ASHES, GRAY ORGANIC SANDY CLAY, BROWN AND GRAY SILTY CLAY, ASHES AND CINDERS, BROWN CLAYEY SILT, BROWN SANDY CLAY (GRADING ONLY), BROWN CLAYEY SILT, BROWN SANDY SILT, GRAY SILTY GRAVELLY SAND (GRADING ONLY), GRAY CLAYEY SILT, and BROWN SILTY GRAVELLY SAND (GRADING ONLY).

OHIO DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS - TESTING LABORATORY  
1600 WEST BROAD STREET COLUMBUS, OHIO 43223  
STRUCTURE FOUNDATION INVESTIGATION  
BRIDGE NO. LAK-20-1714  
OVER GRAND RIVER  
SEC. LAK-20-17.04  
BORING DATA  
TYPED BY S. M. G. CHECKED BY L. N. L. REVIEWED BY R. D. R. DATE 1/13/84