### BORING LOG NO. B-1

**PROJECT:** 13th Street Railroad Bridge  
**CLIENT:** Michael Baker International, LLC  
**SITE:** Little Rock, Arkansas

#### LOCATION
- **See Exploration Plan**
- Latitude: 34.7368°  
- Longitude: -92.3044°

#### DESCRIPTION
- **FILL: CLAYEY SAND (SC)** brown and reddish-brown
- **Silty Clay With Sand (CL-MU)** gray, medium stiff
- **Clayey Shale** reddish brown and gray, soft rock
- **Very Weathered Shale** gray and reddish-brown, soft rock

#### DATA

<table>
<thead>
<tr>
<th>Depth (ft)</th>
<th>Density (pcf)</th>
<th>Watered Type</th>
<th>Contents</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6-10</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>10-15</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>15-20</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>20-25</td>
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<td></td>
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</tr>
<tr>
<td>25-30</td>
<td></td>
<td></td>
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</tbody>
</table>

#### Additional Information
- **Water Level Observations**
  - All free water observed
- **Boring Terminated at 30 Feet**
- **Design**
  - KDH
  - Drawn by:
  - SFH
  - **CLR #1-17-ST-56B**

#### Revisions
- **DATE**
- **DESIGNED**
- **CHECKED**
- **DRAWN BY**

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For further details, please refer to the original document.
# Boring Log No. B-2

**Project:** 13th Street Railroad Bridge  
**Client:** Michael Baker International, LLC  
**Site:** 13th Street Little Rock, Arkansas

<table>
<thead>
<tr>
<th>Depth (ft)</th>
<th>Sample No.</th>
<th>Description</th>
<th>Sample Type</th>
<th>Moisture %</th>
<th>Bulk Density (pcf)</th>
<th>Comments</th>
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<tbody>
<tr>
<td>0-1.5</td>
<td>1-17</td>
<td>Fill - Clayey Sand, reddish-brown, gray and brown</td>
<td>NA</td>
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</tr>
<tr>
<td>1.5-2.5</td>
<td>1-17</td>
<td>Fill - Clayey Sand, reddish-brown, gray and brown</td>
<td>NA</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>2.5-3.5</td>
<td>1-17</td>
<td>Fill - Clayey Sand, reddish-brown, gray and brown</td>
<td>NA</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.5-4.5</td>
<td>1-17</td>
<td>Fill - Clayey Sand, reddish-brown, gray and brown</td>
<td>NA</td>
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<tr>
<td>4.5-5.5</td>
<td>1-17</td>
<td>Fill - Clayey Sand, reddish-brown, gray and brown</td>
<td>NA</td>
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<tr>
<td>5.5-6.5</td>
<td>1-17</td>
<td>Fill - Clayey Sand, reddish-brown, gray and brown</td>
<td>NA</td>
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<tr>
<td>6.5-7.5</td>
<td>1-17</td>
<td>Fill - Clayey Sand, reddish-brown, gray and brown</td>
<td>NA</td>
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<tr>
<td>7.5-8.5</td>
<td>1-17</td>
<td>Fill - Clayey Sand, reddish-brown, gray and brown</td>
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<tr>
<td>8.5-9.5</td>
<td>1-17</td>
<td>Fill - Clayey Sand, reddish-brown, gray and brown</td>
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<td>9.5-10.5</td>
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<td>Fill - Clayey Sand, reddish-brown, gray and brown</td>
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<tr>
<td>10.5-11.5</td>
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<td>Fill - Clayey Sand, reddish-brown, gray and brown</td>
<td>NA</td>
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<td>11.5-12.5</td>
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<tr>
<td>12.5-13.5</td>
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<td>Fill - Clayey Sand, reddish-brown, gray and brown</td>
<td>NA</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13.5-14.5</td>
<td>1-17</td>
<td>Fill - Clayey Sand, reddish-brown, gray and brown</td>
<td>NA</td>
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<td></td>
</tr>
<tr>
<td>14.5-15.5</td>
<td>1-17</td>
<td>Fill - Clayey Sand, reddish-brown, gray and brown</td>
<td>NA</td>
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</tr>
</tbody>
</table>

**Notes:**
- Stratification lines are approximate. Details, if the location may be gradual.
- N.T.S. 09/2019

**Water Level Observations:**
- No free water observed

**Boring Terminated at 15 Feet**

**Teracon**

**Drawn by:**
- KDH

**Checked by:**
- SFH

**Designated:**
- D.W.

**Date:**
- 09/2019

**Scale:**
- 1/5" = 1'-0"

**Project No.:**
- CLB R17-07-06B
REINFORCED CONCRETE SLAB DETAILS

CITY OF LITTLE ROCK, ARKANSAS
13TH ST. BRIDGE REPAIR

SHEET NO. 59

SCALE 1" = 1'-0"

PROJECT NO. 13415

AS NOTED

DATE 09/2019

DESIGNED SCR

CHECKED KDH

DRAWN BY SFH

CLR #1-17-ST-56B

REVISIONS DATE

CONCRETE CAP AND BEAM DETAIL

THE CONTRACTOR SHALL REFER TO THE CANTILEVER ELEVATIONS PRIOR TO CONSTRUCTION.
DEPARTMENT OF PUBLIC WORKS
LITTLE ROCK, ARKANSAS   72201
701 W. MARKHAM
CIVIL ENGINEERING

EXPANSION JOINT DETAILS
CITY OF LITTLE ROCK, ARKANSAS
13TH ST. BRIDGE REPAIR

SECTION Thin JOint at ExcRt. BEdt.

REMOVE EXISTING JOINT SEALANT.

PREPARE AND CAREFULLY CLEAN ALL VERTICAL PENETRATING STEEL IN BACKWALL AND ENCIPPULATE.

EXISTING JOINT ANCHOR TO BE RETAINED ON THIS SIDE.

NEW 1 1/2" x 4" x 1/2" JOINT ANCHOR ON NEW CONCRETE.

4" x 2.5" x 1/2" HORIZONTAL STEEL IN BACKWALL.

NOTE: THIS JOINT SHOULD BE MORTAR-FILLED UNDER THE JOINT ANCHOR IN THE NEW CONCRETE BACKWALL.

NOTE: THIS JOINT IS DRAWN TO SCALE FOR DETAILING PURPOSES.

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MAINTENANCE OF TRAFFIC NOTED:

1. The 13th St. Bridge (Union Pacific Railroad Overpass) shall be closed to all vehicular and pedestrian traffic during the life of the construction project. (Local Traffic Only)

2. The contractor shall provide, install, and maintain all traffic control devices.

3. All traffic control devices shall be in strict accordance with the manual on uniform traffic control devices (current edition).

4. The contractor shall use whatever works are necessary to ensure that pedestrians do not enter work areas and that open construction is protected.

5. The contractor shall strictly coordinate the bridge closure with the City of Little Rock.