**TRANSPORTATION CABINET**

**DEPARTMENT OF HIGHWAYS**

**INDEX OF SHEETS**

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<thead>
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<th>SHEET NO.</th>
<th>DESCRIPTION</th>
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<tr>
<td>S1</td>
<td>Title Sheet</td>
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<tr>
<td>S2</td>
<td>General Notes</td>
</tr>
</tbody>
</table>

**SPECIAL NOTES**

- **SPECIAL PROVISIONS**
- **STANDARD DRAWINGS**
- **SPECIFICATIONS**

**BRIDGE TOTALS**

<table>
<thead>
<tr>
<th>UNIT</th>
<th>ITEM</th>
<th>BID</th>
<th>ESTIMATE OF QUANTITIES</th>
</tr>
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<tbody>
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**L.S.**

- **L.F.**
- **L.F.**

**SUPERSTRUCTURE**

- **TRUSS BRIDGE**

**ABUTMENT #1**

- **PIER #2**
- **PIER #3**
- **PIER #4**
- **PIER #5**

**ABUTMENT #2**

**PIERS 1, 2, 5**

**PIERS 3, 4**

**SOUNDINGS**

- **Rock**
- **Common Excavation Structure**

**Peoria Bridge Over KY 899**

**KNOTT COUNTY**

**ROUTE**

**CROSSING**

**DATE:**

**PREPARED BY:**

**DETAILED BY:**

**DESIGNED BY:**

**CHECKED BY:**

**REVISION DATE:**

**JULY 2015**

**G:\E ng r \HD 1 246 .04 \B r idg e s \C a dd \001 -27393 -S 001 -T i tle  S h ee t.dgn**

**PLANS PREPARED BY:**

**KY No. 12531**

**2012 AASHTO LRFD Bridge Design Specifications**

**2012 Standard Specifications for Road and Bridge Construction.**

**Supports for Highway Signs, Luminaries, and Traffic Signals (2008)**


**AASHTO Standard Specifications for Structural Construction.**

**SUPERSTRUCTURE IS INCIDENTAL TO TRUSS BRIDGE SUPERSTRUCTURE.**

**NOTE: THE PORTION OF THE HANDRAIL TYPE A-2 ON THE TRUSS**

**Foundation Layout**

**Handrail Type A. A-1, A-2, A-3, A-4**

**Handrail, Type A-4**

**Hand ra il,**

**Ro ck Co rin g**

**Access Stairs**

**Common**

**Drilled Shaft**

**Drilled Shaft**

**Common**

**Exca vation**

**Structure**

**6-16-2016**

**PIER 3 & 4 REIN. STEEL CHANGED - DK**

**2**

**956**

**16.0**

**30**

**6-22-2017**

**Inserted the Bid Item Code.**

**FILE NAME:**

**G:\E ng r \HD 1 246 .04 \B r idg e s \C a dd \001 -27393 -S 001 -T i tle  S h ee t.dgn**

**DATE:**

**11:36:43 AM**

**FEDERAL AID PROJECT NO. 12-0838.00**

**HMB PROFESSIONAL ENGINEERS, INC.**

**BRYAN STOPPER**
GENERAL NOTES

PREFABRICATED BRIDGE - COVER SUBMITTALS

Addenda, as issued and controlled by the plans and specifications.

CONSTRUCTION DRAWINGS

The drawings included in this specification shall be dated as of the date of issue and the notes and revisions shall be dated as of the date of issue of the last noted revision.

CONSTRUCTION NECESSITIES

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FOUNDATION LAYOUT

DRILLED SHAFT RENOTES

DRILLED SHAFT CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT AND THE PLAT OF FOOTINGS FOR THE PIER.

PERMANENT CASING IS REQUIRED IN THE OVERBURDEN MATERIAL AND IS TO BE CONSIDERED INCIDENTAL TO THE UNIT BID PRICE FOR DRILLED SHAFT, COMMON.

EXPLORATORY DRILLING, REQUIRED TO FINALIZE THE DRILLED SHAFT TIP ELEVATIONS, WILL BE PERFORMED BY THE PIER SHEETS.

DRILLED SHAFT NOTES

DRILLED SHAFT CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT AND THE CURRENT SPECIAL NOTE FOR DRILLED SHAFTS.

PERMANENT CASING IS REQUIRED IN THE OVERBURDEN MATERIAL AND IS TO BE CONSIDERED INCIDENTAL TO THE UNIT BID PRICE FOR DRILLED SHAFT, COMMON.

EXPLORATORY DRILLING, REQUIRED TO FINALIZE THE DRILLED SHAFT TIP ELEVATIONS, WILL BE PERFORMED BY THE PIER SHEETS.
### Subsurface Data

#### Datum & Elev.

<table>
<thead>
<tr>
<th>Station</th>
<th>Hole No.</th>
<th>Profile Scale:</th>
<th>Vertical 1&quot; = 10'</th>
<th>Horizontal not to scale</th>
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<tbody>
<tr>
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</table>

#### Profile Scale:

- Vertical 1" = 10'
- Horizontal not to scale

#### Subsurface Data

<table>
<thead>
<tr>
<th>Datum</th>
<th>Elev.</th>
<th>Offset</th>
<th>Station</th>
</tr>
</thead>
<tbody>
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</tbody>
</table>

### Plan Scale:

- Vertical 1" = 20'
- Horizontal not to scale

### Geotechnical Information:

#### RQD REC

<table>
<thead>
<tr>
<th>KY</th>
<th>RQD REC</th>
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<tbody>
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</table>

#### KY

- Top of rock elev. = 941.20
- No weathered rock
- Top of rock elev. = 939.00
- No weathered rock
- Base of weathered rock elev. = 939.60

#### Overburden:

- Cored Overburden: w/sandstone
- Sandstone: gray, fine to medium grained, w/sandstone laminations
- Shale: gray, silty to clayey, shale laminations & siderite nodules
- Sandstone: gray, fine to medium grained, coal spars, durable
- Sandstone: gray, fine to medium grained, siderite nodules, durable

#### Weathered Rock:

- No weathered rock
- Top of rock elev. = 938.90
- Bioturbated @ top
- Sandstone: gray, fine grained, many sandstone laminations
- Shale: gray, silty to clayey, shale laminations, siderite nodules

#### N=24

- L=90
- Width: 13
- Total: 13

#### N=19

- L=90
- Width: 10
- Total: 10

#### N=31

- L=90
- Width: 9
- Total: 9

#### N=50/0.1

- L=90
- Width: 1
- Total: 1

#### RQD REC

<table>
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<tr>
<th>KY</th>
<th>RQD REC</th>
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</thead>
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</tbody>
</table>

### Cross Sections:

- PI 11+42.73
- POT 12+95.00
- PI 10+42.73
- Purpose Road

### Purpose:

- Commonwealth of Kentucky
- Department of Highways
- County: Knott
- Route: KY 899
- Bridge:
  - Pedestrian Bridge

### Engineering Details:

- Prepared by:
  - E. Bailey
- Designed by:
  - D. Greer
- Crossings:
  - #1001
  - #1002
  - #1003
  - #1004
  - #1005
-Checked by:
  - C. P. 3

### Sheet Information:

- Sheet Location:
  - 3/17/2016
- File Name:
  - G:\Eng\HD1246.04\Bridges\Cad\008-27393-S008-Subsurface Data.dgn

### Engineering Details:

- Sheet Name:
  - 12-8802.00
- User Name:
  - dkirby
- Date:
  - 28-September-2015
- Division of Structural Design
- Geotechnical Branch
- Commonwealth of Kentucky
- Department of Highways
- Knott