Missouri Department of Transportation

Bridge Survey Location Request

Page 1 to be completed by District staff.

Bridge over: Dillard Creek  Route: 34
County: Cape Girardeau  Section: 18  Township: 31 North  Range: 11 East
Latitude: 37°21'27.05"N  Longitude: 89°50'23.02"W
District Contact: Garrett Galyean (573-472-5221)
Date: 5/3/2023

HIGH WATER ELEVATIONS AT PROPOSED BRIDGE SITE
Recorded high water elevations or elevation of high water marks

<table>
<thead>
<tr>
<th>Elevations and date(s) of same</th>
<th>Location</th>
<th>Source of information</th>
</tr>
</thead>
</table>

Existing Bridge Overtopped ☐ Yes ☐ No ☒ Unknown

Existing Roadway Overtopped ☐ Yes ☐ No ☒ Unknown

Approx. Overtopping Location(s):

LOCATION OF NEW BRIDGE

Replace in Existing Location ☒ Provide details of any proposed changes to profile grade below or as an attachment.

Relocation (near existing Structure) ☐

New Route ☐ Providing details of proposed location and grade of the roadway across the floodplain, any proposed/potential channel changes or modifications, etc. below or as an attachment.

Other: ☐

Additional Information:
Note: Proposed elevations, distances, etc. are based on the best available data at the time the form was completed. Actual field conditions or recently acquired data may require deviation from the proposed values. Please contact the Bridge Division with concerns regarding the proposed values or if large deviations from these values are required.

Note: The information below supplements the survey requirements noted in the EPG, please consult EPG 238 for additional surveying requirements.

Bridge Contact: Landon Bodenschatz, 573-639-1480, Landon.Bodenschatz@modot.mo.gov

Survey Type: **1D Survey**

### Stream Crossing Survey Location Details (1D)

<table>
<thead>
<tr>
<th>Item</th>
<th>Requirement</th>
<th>Standard Guidance</th>
<th>Specific Guidance</th>
</tr>
</thead>
<tbody>
<tr>
<td>C/L Profile</td>
<td>Terminal Point</td>
<td>Limit of Longest offset Profile</td>
<td>Use Standard Guidance</td>
</tr>
<tr>
<td>Upstream Offset Profile</td>
<td>Terminal Point</td>
<td>Same as Valley Sections</td>
<td>Elevation = 440</td>
</tr>
<tr>
<td></td>
<td>Offset Distance</td>
<td>On Natural Ground</td>
<td>Estimated Distance = 40</td>
</tr>
<tr>
<td>Downstream Offset Profile</td>
<td>Terminal Point</td>
<td>Same as Valley Sections</td>
<td>Elevation = 440</td>
</tr>
<tr>
<td></td>
<td>Offset Distance</td>
<td>On Natural Ground</td>
<td>Estimated Distance = 40</td>
</tr>
<tr>
<td>Special</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Streambed Profiles**

#### (EPG 238.3.36.3.6)

<table>
<thead>
<tr>
<th>Item</th>
<th>Requirement</th>
<th>Standard Guidance</th>
<th>Specific Guidance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>Natural Stream</td>
<td>Section limits (Min. of 1000’ each side of crossing.)</td>
<td>Use Natural Stream Guidance</td>
</tr>
<tr>
<td></td>
<td>Drainage Ditch</td>
<td>500’ Each Side of Crossing</td>
<td></td>
</tr>
<tr>
<td>Elevation Intervals</td>
<td>Within 1000’ of Crossing</td>
<td>Nat. Stream 25’</td>
<td>Use Natural Stream Guidance</td>
</tr>
<tr>
<td></td>
<td>Drain. Ditch 50’</td>
<td></td>
<td>(see EPG 238.3.36.3.6 if a significant slope change is encountered)</td>
</tr>
<tr>
<td></td>
<td>Beyond 1000’ from Crossing</td>
<td>At Vertical and Horizontal Break Points (200’ max.)</td>
<td></td>
</tr>
</tbody>
</table>

#### Valley Sections

#### (EPG 238.3.36.3.8),
#### (EPG 750.3.1.1)

<table>
<thead>
<tr>
<th>Item</th>
<th>Requirement</th>
<th>Standard Guidance</th>
<th>Specific Guidance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terminal Point</td>
<td>Natural Stream</td>
<td>5’ above EHW</td>
<td>Elevation = 440</td>
</tr>
<tr>
<td></td>
<td>Drainage Ditch</td>
<td>25’ Beyond Bankside Toe of Levee</td>
<td>Distance = N/A</td>
</tr>
</tbody>
</table>

### Water Surface Profile

#### (EPG 238.3.36.3.7)

<table>
<thead>
<tr>
<th>Item</th>
<th>Requirement</th>
<th>Standard Guidance</th>
<th>Specific Guidance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Surface Profile</td>
<td>Locations with flowing water</td>
<td>Drainage Ditch</td>
<td>Use Water Surface Profile Standard Guidance</td>
</tr>
<tr>
<td></td>
<td>100’ and 200’ each side of Crossing</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Typical Channel Sections

#### (EPG 238.3.36.3.9)

<table>
<thead>
<tr>
<th>Item</th>
<th>Requirement</th>
<th>Standard Guidance</th>
<th>Specific Guidance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Typical Channel Section Data Needed?</td>
<td>Yes</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Within 300’ each side of Centerline</td>
<td>Provide when Needed (i.e., Culvert on Perennial and</td>
<td></td>
</tr>
<tr>
<td>Item</td>
<td>Requirement</td>
<td>Standard Guidance</td>
<td>Specific Guidance</td>
</tr>
<tr>
<td>---------------------------</td>
<td>-------------</td>
<td>-------------------</td>
<td>-------------------</td>
</tr>
<tr>
<td><strong>Existing Bridge Data</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Description</td>
<td>Provide General Description</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Existing Bridge Data Needed?</td>
<td>Yes</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item</th>
<th>Requirement</th>
<th>Standard Guidance</th>
<th>Specific Guidance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Other Bridges (EPG 238.3.36.3.10)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Description</td>
<td>Provide General Description</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Profile Location</td>
<td>C/L Structure</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Profile Terminal Point</td>
<td>5’ above EHW</td>
<td>Elevation =</td>
<td>N/A</td>
</tr>
</tbody>
</table>

* additional profiles may be needed for relocated routes
** at confluent streams provide proposed data for both streams as appropriate.

**Additional Information:**

**Additional Documents Provided:**
Image & kmz files showing Valley Section Locations.

**Roadway Design Notes for Bridge Survey:**
The Bridge Survey should include all the pertinent items listed in EPG 747 and the Bridge Survey Checklist.

**Bridge Design Notes:**
According to the TMS flood report, Bridge J0883 was overtopped in 2008.
FEMA Zone A
The section and/or profile lines shown are intended to show location only.

Terminal points of these lines should be based on the information provided by the Bridge Survey Location Request and not on the ends of the lines shown here.