|  |  |  |
| --- | --- | --- |
| 4/17 | Job No. |  |
|  | Replaces Bridge No. |  |

# **Missouri Department of Transportation**

## **Bridge Survey Location Request**

**Page 1 to be completed by District staff.**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Bridge over | |  | | | | | | | | | | | | | Route | | |  | | |
| County |  | | | | Sec. |  | Twp. |  | | Rg. | |  | ; |  | | miles | | | N E S W of | |
|  | | | |  | | | | |  | |  | | | | | | Route | | |  |
| On road from | | | | Adjacent Town | | | | | to | | Adjacent Town | | | | | | Latitude | | |  |
|  | | | | **West or North of site** | | | | |  | | **East or South of site** | | | | | | Longitude | | |  |
| District Contact: | | |  | | | | | | | | | | | | Date | | |  | | |

|  |  |  |  |
| --- | --- | --- | --- |
| HIGH WATER ELEVATIONS AT PROPOSED BRIDGE SITE Recorded high water elevations or elevation of high water marks | | | |
| Extreme High Water (EHW) (Give date(s) of occurrence) | | | |
| Elevations and date(s) of same | Location | | Source of information |
|  |  | |  |
|  | | | |
| 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) |  | Provide 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. |
| New Route |  |
| Other: |  |

Additional Information:

**Page 2 & 3 to be completed by Bridge Division**

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:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Stream Crossing Survey Location Details** | | | | | | | | | |
| **Item** | | **Requirement** | **Guidance** | | | | **Proposed** | | |
| Profiles\*  (EPG 238.3.36.1.3) | C/L Profile | Terminal Point | Limit of Longest offset Profile | | | |  | | |
| Upstream Offset Profile | Terminal Point | Same as Valley Sections | | | | Elevation = |  | |
| Offset Distance | On Natural Ground | | | | Distance = |  | |
| Downstream Offset Profile | Terminal Point | Same as Valley Sections | | | | Elevation = |  | |
| Offset Distance | On Natural Ground | | | | Distance = |  | |
| Special |  | | | | | | | |
| Streambed Profiles\*\* (EPG 238.3.36.3.6) | | Length | Natural  Stream | | Section limits (Min. of 1000’ each side of crossing.) | | Use Natural Stream Guidance | | |
| Drainage  Ditch | | 500’ Each Side of Crossing | |
| Elevation Intervals | Within 1000’ of Crossing | | Nat. Stream 25’ | | Use Natural Stream Guidance  (see EPG 238.3.36.3.6 if a significant slope change is encountered) | | |
| Drain. Ditch 50’ | |
| Beyond 1000’ from Crossing | | At Vertical and Horizontal Break Points (200’ max.) | |
| Water Surface Profile  (EPG 238.3.36.3.7) | | Locations with flowing water | Drainage Ditch | 100’ and 200’ each side of Crossing | | | N/A | | |
| Valley Sections  (EPG 238.3.36.3.8),  (EPG 750.3.1.1) | | Terminal Point | Natural Stream | 5’ above EHW | | | Elevation = |  | |
| Drainage Ditch | 25’ Beyond Bankside Toe of Levee | | | Distance = |  | |
| Typical Channel Sections  (EPG 238.3.36.3.9) | | Within 300’ each side of Centerline | Provide when Needed  (i.e., Culvert on Perennial and Intermittent Stream) | | | None Required | | | |
| Existing Bridges  (EPG 238.3.36.3.10) | | Description | Provide General Description | | | See next page. | | | |
| Location | C/L Structure | | |  | | | |
| Terminal Point | 5’ above EHW | | | Elevation = | | |  |

\* 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 file showing Valley Section Locations.