

## FY 16 Design-Build Bridge Replacement Projects

Date: August 21, 2015

### **Disclaimer:**

- Please be advised that this information is preliminary and is provided for information only. All final scope requirements will be included in the Request for Proposals (RFP).

### **Project Information:**

- Approximately 25-30 off-system Bridges will be replaced using State funds and using the Design-Build delivery method.
- It is anticipated that:
  - The Two Phase Low Bid selection method will be used to procure this project.
  - One (1) RFP will be advertised.
  - The RFP will include five (5) “batches” of between five (5) to seven (7) Bridge replacement projects per each “batch.”
  - Five (5) different Design-Build contracts will be awarded in total.
- FY 16 draft Bridge list is currently being developed, and will be provided in the near future.

### **Environmental:**

- A GEPA document will be required.
- The Department will perform environmental screening of each Bridge replacement location. This information will be included in the RFP.
- The Department will coordinate GEPA document approval after the awarded Design-Build teams submit construction plans. The RFP will include environmental review durations.

### **Permitting:**

- The Design-Build team will be responsible for applicable environmental permits.
- The Department is evaluating if the Design-Build team or the Department is best suited to acquire any mitigation credits. The responsible entity will be included in the RFP.
- All site erosion control BMP's, including obtaining any Stream Buffer Variance, will be the responsibility of the Design-Build team.

### **Geotechnical Scope of Work:**

- The Department will obtain geotechnical boring samples at each Bridge replacement location. Boring logs will be included in the RFP.
- The Department will provide readily available geotechnical information, e.g. existing Bridge Foundation Investigate (BFI) report, in the RFP.

- The Design-Build team will be responsible for preparing Bridge Foundation Investigate (BFI) reports.
- The Department is evaluating opportunities to mitigate (share) geotechnical related risks. The RFP will identify potential risk sharing requirements.

#### **Pavement Design:**

- The Department will provide the pavement typical section.

#### **Critical Path Method:**

- The Department anticipates using a Critical Path Method (CPM) schedule requirement for this project.

#### **Hydraulics**

- The Department will perform a hydraulic screening of each Bridge replacement location. This information such as assumptions to base hydraulic openings upon will be included in the RFP.

#### **Utilities:**

- All Design-Build projects at the Department are Public Interest Determination (PID).
- The Department will obtain SUE QL-D information each Bridge replacement location.
- The Department will obtain executed Memorandums of Understanding (MOU) from each utility owner and will include in the RFP.

#### **Survey Scope of Work:**

- The Department is contemplating obtaining a survey database at locations where additional information would best support the hydraulic screening process. All survey database information will be included in the RFP.

#### **Traffic Control Scope of Work:**

- It is anticipated that an off-site detour will be permitted to construct each Bridge replacement. The Department will evaluate each location to determine a reasonable duration to perform all work which may range from 90 to 150 calendar days. The duration of the off-site detour at each location will be included in the RFP.

#### **Right-of-Way Scope of Work:**

- The Department anticipates that no ROW will be required to perform the work.
- The Department will evaluate each location to verify that adequate ROW is available to perform the work.

#### **Additional Comment:**

- The Department is evaluating submittal requirements, and will only include those requirements necessary to permit and build each Bridge replacement. Submittal requirements will be included in the RFP.

- The Department is evaluating submittal review times as part of an effort to help support the Department's expedited delivery goal.
- The Department is evaluating potential Design Variance(s) at each Bridge replacement location. Any allowable Design Variance(s) will be included in the RFP.