

SERVICES PROVIDED BY THE COMMISSION

The COMMISSION will provide available information of record to the CONSULTANT. In addition, the following specific items will be furnished or performed by the COMMISSION.

1. One (1) copy of prior improvement “as-builts” of State routes including existing bridge plans and information for existing structure.
2. Safety Improvement(s) identified by a SAFER Review to be estimated for each bridge.
3. ADT for each bridge.
4. Existing bridge size.
5. Treatment/scope for each bridge
6. Maintenance of traffic plan for estimating purposes:
 - a. Closed/Detour -Staged -New Alignment.
7. .Access to TMS
8. MoDOT Standard Plans; MoDOT EPG

9. , the Standard Specifications for Highway Construction; and the Standardized Job Special Provisions by MoDOT's internet site.
10. Determine utilities located on and in the vicinity of the bridge. The CONSULTANT shall identify possible utility issues and provide supporting documentation/information on necessary utility relocations. MODOT will determine utility relocation cost based on the Consultant's identified utility conflicts.
11. Determine R/W cost estimates for additional R/W required for each bridge improvement project. The CONSULTANT shall provide the COMMISSION with locations and sizes of additional R/W needed for each bridge. The COMMISSION will utilize this information to determine an appropriate R/W cost for each bridge.
12. Current Bridge Ratings and Bridge Inspection forms for requested bridges.

SCOPE OF SERVICES

This scope of services is based on an accurate description of the items and tasks required for completion of the design of this project. However, each project is unique and may require more or less effort in an individual task to complete the design. The following information will explain and define in general terms the major design items of importance relating to this project. All the elements of work that are necessary to satisfactorily complete this project may or may not be listed. The lack of a specific listing of an element or time in the scope of services does not in itself constitute the basis for additional services, supplemental agreements, and/or adjustment in compensation.

The CONSULTANT will provide professional, technical, and other personnel resources, equipment, materials, and all other things necessary to produce and update the construction cost estimate for bridge improvement projects to add to the STIP for Fiscal Years 2026-2030 and 2027-2031. The consultant may also be asked to estimate unfunded needs bridge projects for the unfunded needs list.

The estimated hours assumes 125 bridge projects to estimate per calendar year.

The CONSULTANT shall review "as built" plans, aerial photographs, manuscripts, etc. and other information that will be made available to them by the COMMISSION after obtaining access to the COMMISSION's on-line resources.

Estimating Bridge Improvements for STIP and Unfunded Needs List

1. The CONSULTANT shall prepare a Preliminary Estimate of Bridge and Roadway Construction Costs and assist with the Utility Cost and R/W cost determinations. The consultant will identify utility conflicts and additional R/W necessary for each bridge project scoped. Estimates will also include the Preliminary Engineering and Construction Engineering cost, and any "Other" category cost for each bridge estimate. The CONSULTANT shall prepare the cost estimate based on an assumed MOT traffic control concept provided by the COMMISSION to include options such as Closed/Detour or Staged or New Alignment. The traffic control plan cost shall conform to the requirements of the MUTCD and the Engineering Policy Guide (EPG).

2. The roadway and bridge estimates shall be based on MODOT bid history and incorporate the existing conditions, hydraulics, grades, ROW, impacts of structure size and type, rehabilitation type and cost of roadway items, including staging and necessary traffic control. Determining preliminary quantities for estimates is necessary for the level of detail of this work.

(A) The estimated bridge cost may be an itemized cost or based on a square foot cost of bridge depending on the need at the location. The bridge unit cost and quantities shall be provided in excel or bid tabs format. The roadway costs shall be an Itemized cost estimate and submitted using Bid Tabs Pro with the bridge costs as a lump sum.

(B) All requirements outlined in the MoDOT Engineering Policy Guide (EPG) shall be met. The CONSULTANT shall follow MoDOT's "practical design" philosophy when estimating bridge improvements and submittals shall include any design exceptions necessary.

(C) Cost estimates shall include any SAFETY improvements identified through a SAFER review performed by the Commission. This portion of the overall project cost shall be quantified separately into the category of roadway safety improvements and bridge safety improvements.

(D) Cost estimates shall be prepared according to the most current MoDOT policies and procedures as outlined in Category: 104 Scope of the Engineering Policy Guide. All cost estimates shall be present day costs.

(E) Cost estimates shall have pertinent documentation of source and justification for unit prices not associated with BidTabs Professional for Missouri historic data or special items.

(F) A consultant staff member may be required to attend estimate meetings, as scheduled by either the Consultant or MoDOT. Consultant may also be requested to attend any other special planning meeting held by MoDOT.

(G) The exact number of design hours and cost estimates to be assigned to the consultant are unknown and will depend on scopes of projects.

(H) Each estimate deliverable will include:

- 1) A BidTabs Professional for Missouri printout to show quantities and prices (in "Bid Report (1 Max)" format), PLUSx, and XML files.
- 2) A Microsoft Word file listing assumptions used to calculate the cost estimate as well as items not included in the cost. (i.e. R/W, Bridges, Utilities, Sound Walls, Aesthetics, etc.)
- 3) A completed estimate report generated by consultant for MoDOT which will include the following: a summary sheet, excel sheets used to calculate quantities, BidTabs Pro printout, PLUS and XML files, correspondence related to the estimate, and any drawings used in preparing the estimate.

PROJECT MANAGEMENT AND COORDINATION TASKS

The CONSULTANT shall perform the following Administration/Project Management and Coordination Tasks:

1. Set up quick core team meeting with necessary COMMISSION personnel to obtain direction and/or decisions that will affect the cost estimate.
2. Personnel planning, project scheduling, and budget control.
3. Develop and implement a project quality assurance plan.

All of the above items shall include/address sub-consultant tasks

PERIOD OF SERVICE

The phases of work will be completed in accordance with the following schedule:

FY26-30 STIP Bridge Estimates

1. **Bridge List provided to Consultant** by June 16, 2025
2. **FY 2026-2030 Bridge Improvement Projects Estimated** by August 1, 2025

FY27-31 STIP Bridge Estimates

3. **Bridge List provided to Consultant** by June 15, 2026
4. **FY 2027-2031 Bridge Improvement Projects Estimated** by July 31, 2026

The schedules have been established to program bridges in the FY2027-2031 STIP as well as the FY2028-2032 STIP.