

Safe and Sound Project - Executive Summary

Intent of this project is to provide for rehabilitation/replacement of at least 800 bridges. The list of bridges includes a majority of condition 3 and 4 structures, many of which are located on low ADT routes. The Contractor will restore these bridges to condition 6 on or before Dec. 31, 2012, and maintain them at this condition until the end of a maintenance period – a minimum of 25 years later. The contract is written to require overall project management, design, construction, maintenance and finance of this project. The desired financing model would be no payments by MoDOT for the initial construction period (ending Dec. 31, 2012), with equal annual payments commencing for a minimum of 25 years. Alternative financing may be proposed which would represent a best value for MoDOT and minimize cash outlays for the first five years of construction. This document is a summary of the contract approach, and a current schedule for procurement activities is attached for reference. Updated copies of the detailed documents and background information are available at www.modot.mo.gov/safeandsound.

Request For Proposal

Instructions to Proposers: A listing of items required in the Contractor's proposal and description of how the items are evaluated. Evaluation includes pass/fail items as well as scored items. Technical elements include technical strategies (15 points), maintenance of traffic (10 points), and public information (5 points). Cost elements include net present worth (40 points), minimal cash outlay for first 5 years (20 points), and uniform annual payments (10 points).

Book 1 – Contract

Includes contract and provisions for administration of the contract. Contractor pays for all necessary work to achieve performance goals of providing initial construction and maintenance of bridges and acquires, if necessary, to satisfactory condition. The Contractor:

- Pays ROW purchase price.
- Pays for cost of utility relocations that impact utility property rights.
- Obtains all temporary easements/rights of access.
- Drafts third-party agreements required for permanent features.
- Supplies information required for environmental permits.
- Provides all design and design computations.
- Constructs projects.
- Provides certifications/documentation to MoDOT for construction or maintenance work.

- Performs public information activities for all bridge issues.
- Performs maintenance work.
- Finances cost.
- Participates in joint bridge inspections with MoDOT for condition ratings.

The Commission provides oversight to the Contract team through spot audits and reviews. Specific Commission tasks include:

- Negotiate ROW or permanent easement price.
- Provides utility contact information.
- Review/Approve third-party agreements for permanent features.
- Obtains environmental permits.
- Verifies completion of milestones.
- Performs public information activities for program-wide issues.
- Conducts bridge inspection for condition ratings (jointly with Contractor)

Administration:

Bonding – Contractor provides performance and payment bonds for annual value of construction during Initial Construction Period. Contractor provides performance and payment bonds for the annual estimated amount of maintenance, but in no case less than \$2 million per year, during the maintenance period.

Insurance – Insurance requirements typical for construction projects required, with addition of \$25 million umbrella liability for the Contractor and additional insurance requirements for railroads on case by case basis.

Performance – Contractor will be working to their proposed standards, within the parameters established in the RFP. The Commission will not approve plans/designs. The Commission will have the right and access to review information throughout the process, and will perform spot audits throughout the process to insure Contractor performance in accordance with their standards/plans.

DBE/EEO Provisions – Federal requirements including a goal of nine percent DBE participation, with 20 trainee positions at 1000 hours/each. Trainees are not subsidized or reimbursed; however penalties are in place for not reaching the requirement.

Acceptance – Contractor will provide issue for construction, final design, and as built plans in addition to design information and certifications or warranties. Commission will verify and provide punch list of any non-conforming items. Commission will verify completion of milestones through this process.

Payment – Payment will be made by the Commission on the schedule established in the Contractor's financial plan – subject to verification of completion. Any

adjustments to payments (damages or change orders) will be made at the next scheduled payment after these items are identified.

Differing Site Conditions – Previously unidentified hazardous waste or significant archaeological findings will be considered. Other items, such as geotechnical/foundation conditions will not be considered, as they are the responsibility of the Contractor to investigate/assess.

Changes – Third-party schedule impact on specific bridges shall not be a basis for milestone deadline change – but may be evaluated to negotiate a change for adding/deleting a bridge. Changes in law or differing site conditions (limited as defined elsewhere) will be considered for change. Third party funding of scope expansion (beyond that required to satisfy the condition improvement) will be considered for change.

Schedule Requirements – Initial Construction shall be completed on or before Dec. 31, 2012. Duration of closure shall be monitored, such that an aggregate number of closure days are not exceeded, and no specific bridge shall be closed for more than 30 days beyond the date established for completion. All bridges shall be at condition 6 at the completion of the Maintenance period. All maintenance tasks shall be tracked on the Contractor's schedule and shall be completed within prescribed timelines (typically within six months of identification of a maintenance problem).

Liquidated Damages shall be levied as follows:

- \$5,000 per day per bridge for exceeding the Initial Construction deadline
- \$2,000 per closure day for duration of closure
- \$2,000 per day per structure for non-condition 6 bridges at end of Maintenance period.
- \$1,500 per day per task for Maintenance Task deadlines.

Partnering – is encouraged on the project, and Contractor/Commission will provide an equal split of costs for partnering activities.

Acceptance of Project – noted in Book 1, Sect. 20 for specific bridge, initial construction, maintenance tasks, and overall project (at end of maintenance period).

Other Provisions in the Contract:

- Dispute Resolution
- Warranties
- Termination
- Documents and Records - Escrow of Proposal Documents
- Cooperation with other contractors
- Misc. Provisions

Exhibit A – Acronyms – provides a listing of acronyms and glossary of terms and definitions as used in the contract documents.

Book 2 – Performance Requirements

Book 2 provides additional detail for technical/performance requirements. Specific Bridge construction and maintenance criteria/requirements are noted in the Sections 12, 15, and 18.

- Sec. 1– General
- Sec. 2 – Project Management
- Sec. 3 – Quality Management
- Sec. 4 – Public Information
- Sec. 5 – Environmental
- Sec. 6 – Third Party Agreements
- Sec. 7 – Utilities
- Sec. 8 – Right of Way
- Sec. 9 – Survey
- Sec. 10 – Geotechnical
- Sec. 11 – Signing, Pavement Marking and Lighting
- Sec. 12 – Hydrology and Hydraulics
- Sec. 13 – Roadways and Pavements
- Sec. 14 – Signals and ITS
- Sec. 15 – Structures
- Sec. 16 – Maintenance of Traffic
- Sec. 17 – Maintenance During Contract Period

Book 3 – Applicable Standards

Provides listing of standards. Additional applicable standards and any requested/approved design exceptions will be located here.

Book 4 – Contract Drawings, Data, and Reports

Provides such background information as Structure Inventory and Appraisal reports, Inspection Reports, Listing of Bridges under this program, Misc. Technical Memoranda, Environmental Permits and MoDOT CADD standards.

Book 5 – Informational Documents

Provides informational material, which will include existing As-built plans, shop drawings and available geotechnical reports.