

## DEPARTMENT OF TRANSPORTATION

Eagle Residency

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### **Dotsero Colorado River Bridge Construction Manager/General Contractor RFP**

The Colorado Department of Transportation is planning to advertise for Request for Proposals for Construction Management/General Contractor (CM/GC) for the replacement of a bridge located in Eagle County, Colorado. This bridge replacement project is located at mile post 133.4 on the I-70 Frontage Road (US 6) over the Colorado River in Dotsero. The existing steel truss Colorado River Bridge (F-08-F) has a sufficiency rating of 45.2. This bridge is scour critical, structurally deficient and is a designated “poor” bridge. The bridge structure is an asset owned by the Colorado Bridge Enterprise (CBE) and the preconstruction activities are funded by CBE. It is anticipated that this RFP will be advertised in early August of 2011. The design for this project is expected to be completed in the summer/fall of 2012 and the construction will be completed in fall of 2014.

This project will be constructed using the innovative contracting method, Construction Manager/General Contractor (CM/GC). CM/GC is a contracting method that involves a Contractor in the design and construction phases of the project. The intent is to form a partnership with CDOT, the Design Consultant, and the Contractor. The goals of this partnership are to mitigate risk, improve the construction schedule, streamline the design process, and develop a project that adheres to the budget. Important goals create opportunities to innovate to save money and meet project objectives. An important role of the Contractor is to evaluate the constructability of the design plans to reduce risk in all phases with innovative approaches to meet budget goals. We anticipate the involvement of the Contractor will help reduce errors in design and improve the overall constructability of the project.

The Project work elements includes realignment of the frontage road, a new bridge crossing of the Colorado River, remedial improvements or the removal of the existing truss bridge, earthwork, pavement, signing, striping seeding, construction phasing and traffic control. The Contractor will be involved in the following items:

- Implement the risk management strategy, develop and monitor risk register.
- Continually update the project estimate and construction schedule.
- Lead the development of a cost model for the Engineer’s Estimator and Independent Cost Estimator so that assumptions, contingency, and approach to the estimate are similar.
- Participate in up to three formal reviews of the design at designated design milestones for each phase or construction package.
- Participate in risk assessment and mitigation workshops at agreed-upon milestones.
- Provide up to three progressively refined Opinion of Probable Construction Costs (OPCC) at designated design milestones.
- Continually provide informal input on constructability, value engineering, and cost as requested.
- Provide open-book examination of cost model by CDOT, the program manager, and the designer.
- Prepare Guaranteed Maximum Price (GMP) Proposals to CDOT with appropriate backup documentation for all construction, early, work, and procurement PS&E packages.
- Develop, propose, and track innovations for project construction.

#### Project Contacts:

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Existing Steel Truss Bridge



Aerial Photo