



COLORADO
Department of Transportation



State Highway 7 Lower: Lower Jct. SH 72 to Lyons
CM Pre-Proposal Meeting
July 10th, 2019



Project Team

- CDOT Resident Engineer: Brian Varrella, PE
- CDOT CM/GC Advisor: James Usher, PE
- CDOT Project Manager: James Zufall
- Construction Project Engineer: Monte Malik, PE

- Design Consultants: TBD



Introduction

Governor's Challenge:

"Build back better than before"

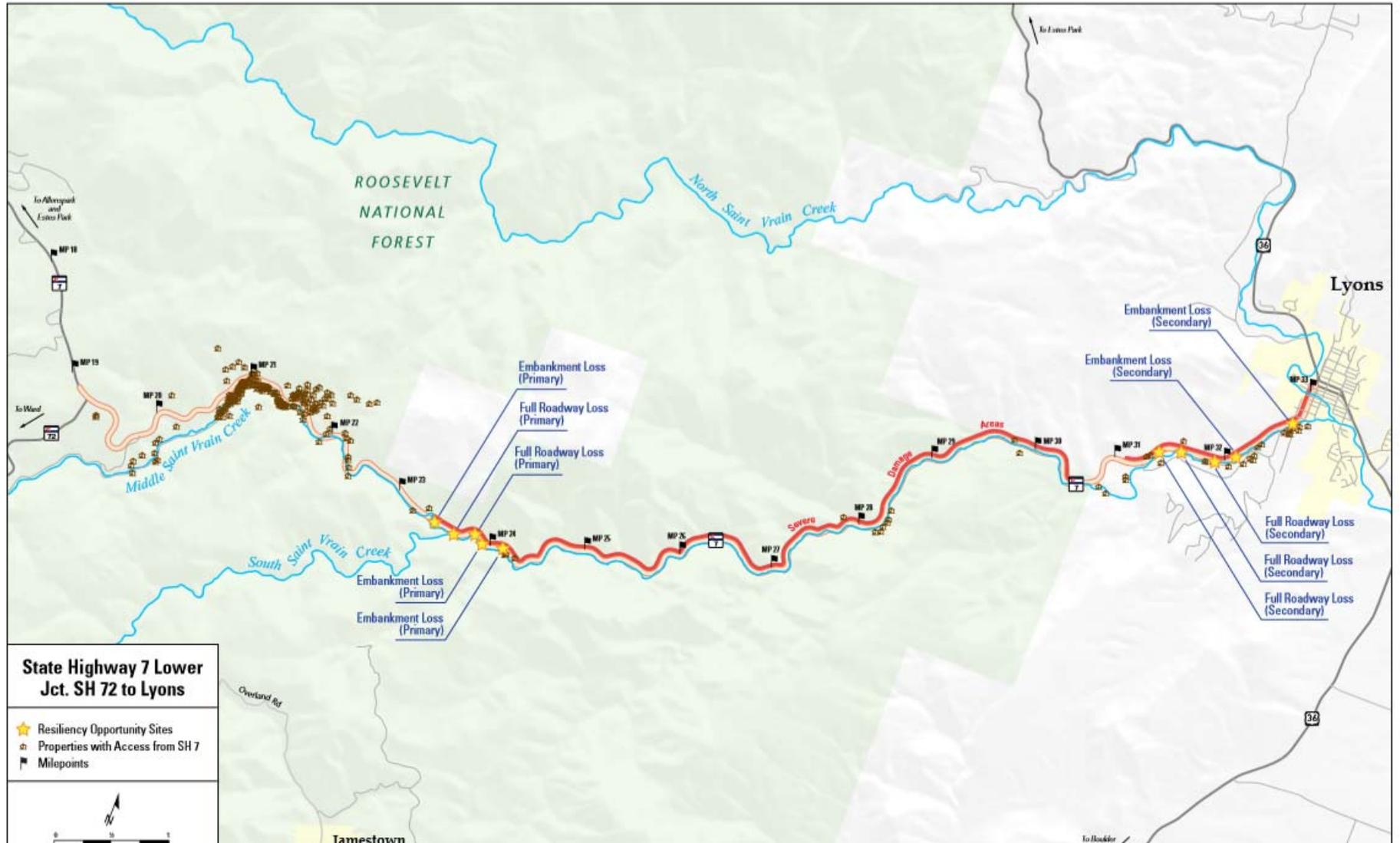


Flood Program Mission Statement:

In our continuing effort to recover from the 2013 Flood, we will work together through partnership to effectively and responsibly re-build a better, stronger, more resilient transportation infrastructure system, while maximizing federal and state reimbursements.



SH 7 Lower Flood Damage





Primary Types of Damage

Road loss





Primary Types of Damage

Debris flows





Permanent Repair Project

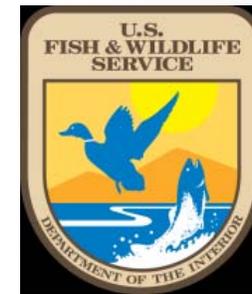
- What has been done so far?
 - Gathering Information
 - Surveying and Mapping
 - Initiating environmental permitting
 - Geotechnical Investigations
 - Hydrology/Hydraulics Analysis
 - Conceptual Design
 - Meetings with Stakeholders





Collaboration Partners

- US Federal Highway Administration
- US Forest Service
- US Fish & Wildlife Service
- US Army Corps of Engineers
- Boulder County
- Town of Lyons
- City of Longmont
- Colorado Parks and Wildlife
- Town of Estes Park
- Colorado State Historic Preservation Office





Funding Overview

- Project Funding
 - FHWA (Emergency Relief Program)
 - FHWA funds are allocated to the project
 - Construction budget: \$35-\$40 million
 - Improvements funded through the Emergency Relief Program must meet the requirements of the Emergency Relief Manual





Project Elements

- GIS Atlas available online: <https://arcg.is/1CWaOD>
 - DRAFT information and subject to change
- Reconstruct severely damaged roadway
 - Address design standards, safety features
 - Re-establish two 11 foot lanes with 14 miles of final paving
 - Approximately 9 miles of shoulder widening
- Address rock fall mitigation
 - Rock scaling/rock excavation in multiple locations
 - Install rockfall mitigation ditch where applicable
- Install local drainage features
 - Replace 77 cross-culverts
 - Upsize culverts to standard where applicable



Project Elements

- St. Vrain Creek rehabilitation
 - ~5 miles of creek rehabilitation improvements
 - Including floodplain establishment, grading, stream flow complexity and wildlife habitat
 - Revegetating stream bank
- Resiliency items
 - 5 embankment protection locations
 - Riprap embankment sections
 - 10 debris flow protection locations
 - Concrete pavement sections



Request for Proposals

- Section 1 - Scope Of Work and Project Information
- Section 2 - CMGC Proposal Requirements and Instructions
- Section 3 -Proposal Content and Evaluation Criteria
- Appendices
 - Appendix A: Preconstruction Roles and Responsibilities Matrix
 - Appendix B: Evaluation and CMGC Management Price Percentage Proposal Forms
 - Appendix C: CMGC Management Price Percentage Proposal Form
 - Appendix D: CDOT Public Information Specifications



1.1 – CM Preconstruction Scope

- Design Review
 - Constructability
 - CM Facilitated VE Workshop
 - Independent Quantity Take-Offs
- Cost Estimating
 - 50% ROM Estimate
 - 60 % OPCC Project Wide
 - Subsequent 90% OPCC/CAPs for individual Packages
- Schedule
- Risk



1.2 Project Goals

- ✓ Build a resilient roadway that facilitates the evacuation of as many residents as possible while working in harmony with the river and environment.
- ✓ Build a safe system that best meets the needs of motorists, bicycles, and other stakeholders by installing rock catchment, improving sight distance, installing strategically placed pull-outs while maximizing usage of available flood recovery dollars



1.2 Project Goals (cont.)

- ✓ Easily add or remove scope based upon prioritization among and within the six main project elements (roadway/safety, hydraulics/drainage, river rehabilitation, embankment protection/resiliency, Environmental, geotechnical)
- ✓ Minimize inconvenience to the public and maximize safety of workers and traveling public during construction
- ✓ Provide a quality product that minimizes life cycle maintenance requirements
- ✓ Commit to the CM/GC process and deliver a successful project



1.3 - Major Project Risks

- Schedule
- Phasing/Maintenance of Traffic (MOT)
- Material Availability
- Rockfall mitigation
- In Channel Work / Seasonal Flows
- Environmental Impacts/clearances
- Permitting
- Scope Increases
- Visual Impacts



1.7 - Project Coordination

- Coordination with team
- No Co-Location



1.10 - Conceptual Design Documents

- <https://mullereng.sharefile.com/d-s83529fd24ee4751a>
- <https://arcg.is/1CWaOD>
- Stream Rehab and Embankment Protection Narrative
- DAR
- Preliminary Plan Set
- RFP Sample Package



Other RFP Sub-sections

- 1.19 - DBE Program Requirements
 - CM Preconstruction Services 0% DBE Goal
 - DBE and OJT Goals for Construction Packages will be determined prior to 90% OPCC
- 1.20 - Compensation for CMGC Services
 - \$600,000 lump sum
- 1.21 - Public Information
 - CDOT will be primarily responsible for Public Information during pre-construction phase
 - CM PIM to be involved in Preconstruction to aid in smooth transition to construction
 - CM in coordination with CDOT will prepare PIP for construction
 - Tier III+ Public Information Services contract - See Appendix D



Section 2 - Proposal Requirements

- Key Events Schedule and RFP Dates - Subject to Change

ID	Task Name	May 2019				Jun 2019				Jul 2019				Aug 2019				Sep 2019			
		5/5	5/12	5/19	5/26	6/2	6/9	6/16	6/23	6/30	7/7	7/14	7/21	7/28	8/4	8/11	8/18	8/25	9/1	9/8	9/15
1	LOI	[Green bar]																			
2	Informational Meeting					◆ 5/29															
3	LOIs Due					◆ 6/7															
4	Informal One-on-Ones					[Green bar]															
5	RFP Phase									[Green bar]											
6	Pre-Proposal Meeting									◆ 7/10											
7	Evaluation and Short List													[Green bar] Due 7/23 by 5 p.m.							
8	Oral Interviews																	◆ 8/26-27			
9	Selection Notification																	◆ 8/29			
10	Contracting/NTP																	[Green bar]			



Section 2 – Proposal Requirements

- 2.5 – Questions and Changes to the RFP
 - CDOT Addendums
 - Proposer Questions and CDOT Responses
- 2.8 – Proposal Submittal – Step 1
 - CDOT Evaluation
 - Shortlisting
- 2.9 – Oral Interview – Step 2
 - Shortlisted Firms
- 2.10 – Sealed CMGC Management Price % – Step 3
 - Submit at Oral Interviews
 - See Appendix C



Section 3 – Proposal Content/Evaluation

- Point Distribution
 - Proposal - 45 points
 - Key Personnel - 9 points
 - Safety Record and Performance - 2 Points
 - Contractor Capability - 9 Points
 - Strategic Project Approach - 8 Points
 - Project Innovations - 5 Points
 - Approach to Risk, Schedule and Price - 12 Points
 - Oral Interview - 50 points
 - CMGC Management Price % - 5 points



Section 3 - Key Personnel

- Tier 1
 - Project Manager
- Tier 2
 - Project Controls
 - Constructability Expertise
 - Cost Estimation
 - Stream Restoration Expertise
 - Construction Management
- Tier 3 skills - Identify who will be primarily responsible for each skill



Section 3 - Project Innovations

- CDOT's Appetite for Innovation
- Provide best two ideas
- Scoring
 - 2.5 points for Implementation and aid to Project Goals
 - 2.5 points for Impacts to time, cost, quality, and safety



Section 3 - Approach to Risk Schedule and Price

- Use theoretical breakout package included as basis of discussing your approach
- Cost
 - Open Book
 - Quantity Take-Offs
 - Production Rates
 - Overhead/Indirect Costs
- Schedule
 - Constraints
 - Opportunities
- Risks
 - Quantitative
 - Allocation
 - Mitigation



Section 3 - Oral Interview

- 3.2. - Evaluation Criteria for Oral Interviews
 - Interview Format:
 - A. Short Presentation (15 Points)
 - B. Team Challenge (15 Points)
 - C. Q & A Session with the Selection Panel (20 Points)



Contact Information

Website:

<https://www.codot.gov/projects/floodrelatedprojects/sh7lyonstoraymond>

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QUESTIONS?

