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Department of
Transportation



Westbound I-70 Mountain Corridor Concept Development Process

Technical Team (TT)

Meeting #1

January 4, 2016

Time	Agenda Topic
9:00 am – 9:15 am	Welcome, Introductions and Agenda Review
9:15 am – 10:00am	Review and Discussion: Project Overview, Roles and Responsibilities and Outcomes
10:00 am – 11:45 am	Discussion: Identification of Corridor-wide Critical Issues and Concepts for Segment 1
11:45 am – 12:00	Next Steps and Action Items





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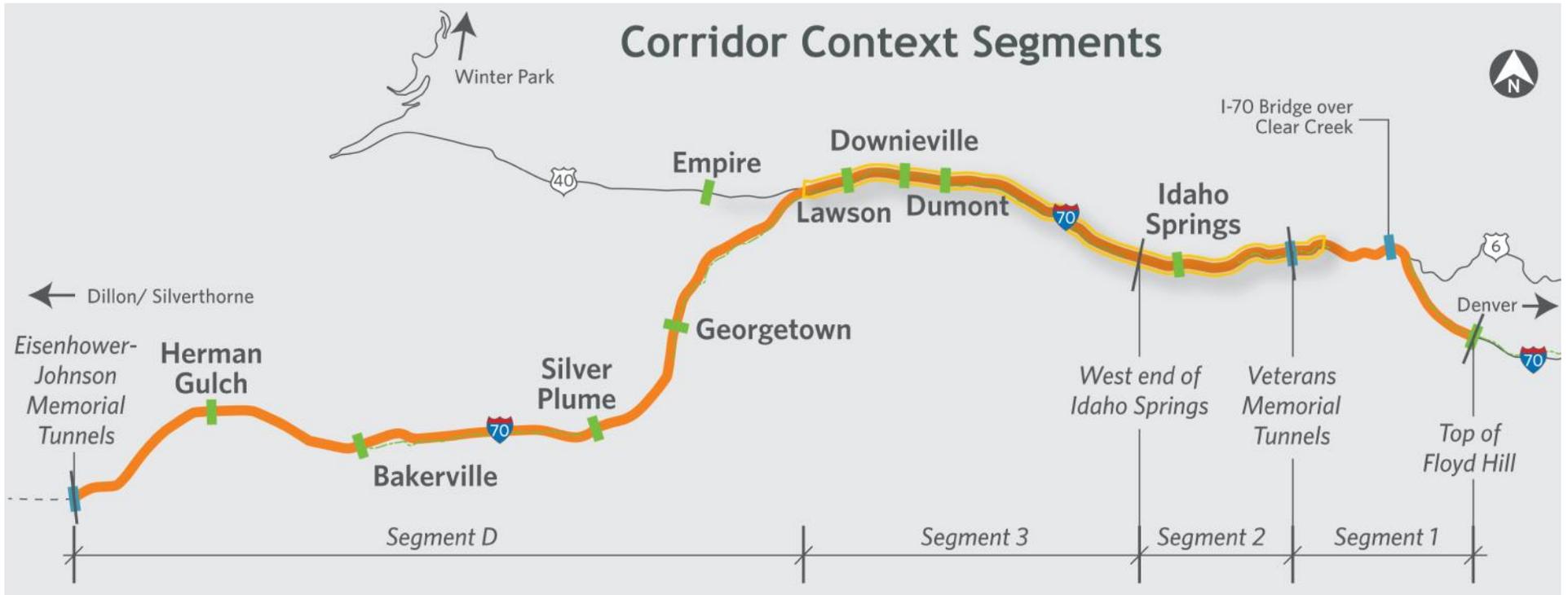
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Project Overview, Roles and Project Outcomes





Geographic Limits





Project Outcome

The outcome of the project is “to identify concepts for the roadway to be advanced into NEPA, taking into consideration the context of the communities and landscapes through which it travels. The process will also identify any fatal flaws with concepts.”

The Concept Development Process will:

- Identify concepts that can be carried forward because they do not have red flags or fatal flaws.
 - Develop and recommend feasible concepts for the WB I-70 Mountain Corridor for further evaluation.
 - Consider overall context, including physical, historic and legal context (e.g. ROD and MOU).
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Project Teams

- **Project Leadership Team (PLT)**
- **Technical Team(s) (TT)**
 - Stakeholders
 - CDOT
 - FHWA
 - Consultants and Contractors
- **Issue Task Force (ITF)**
- **Project Management Team (PMT)**
 - HDR
 - THK
 - CDR





Project Team Roles

- **Project Leadership Team (PLT)**
 - CSS process, guidance and issue resolution.

 - **Technical Teams (TT)**
 - Segment and technical experts

 - **Issue Task Force (ITF)**
 - Specific issue experts
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ROD Commitments

➤ Specific Highway Improvements

- Six lanes of capacity from Floyd Hill through the Twin Tunnels (now the Veterans Memorial Tunnels)
- Empire Junction interchange improvements
- EB auxiliary lane from EJMT to Herman Gulch
- WB auxiliary lane from Bakerville to EJMT
- Bike trail from Idaho Springs to US 6
- Frontage road from Idaho Springs to US 6

➤ Other Highway Projects

- Truck operations improvements in non specified locations
 - Interchange improvements at Georgetown, Downieville, Fall River Road, Base of Floyd Hill
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- **MOU signed in January 2014 MOU between Idaho Springs, Clear Creek County and CDOT**

 - **Relevance to this Process**
 - Agreement to a Westbound I-70 PPSL project from Twin Tunnels to Empire Junction.
 - It will not exceed the scope of the EB PPSL project.
 - WB Floyd Hill project would include widening to three lanes, improving the design speed of both EB and WB, bridge replacement at the bottom of FH, interchange reconstruction at US 6 and Phase 2 of the Greenway and Frontage Road (CR 314 from Exit 241 to 243)
 - CDOT will continue to explore demonstration opportunities for noise abatement at Lawson

 - **Does not preclude the preferred alternative**
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High Speed Transit

- Advanced Guideway System (AGS) Feasibility Study completed in August 2014.
- Identified technology that can work in the corridor -- magnetic levitation (maglev).
- Funding not currently identified.

- This Concept Development Process is focused on implementing solutions in next 3-5 years.
- Will not preclude high speed transit in the future.



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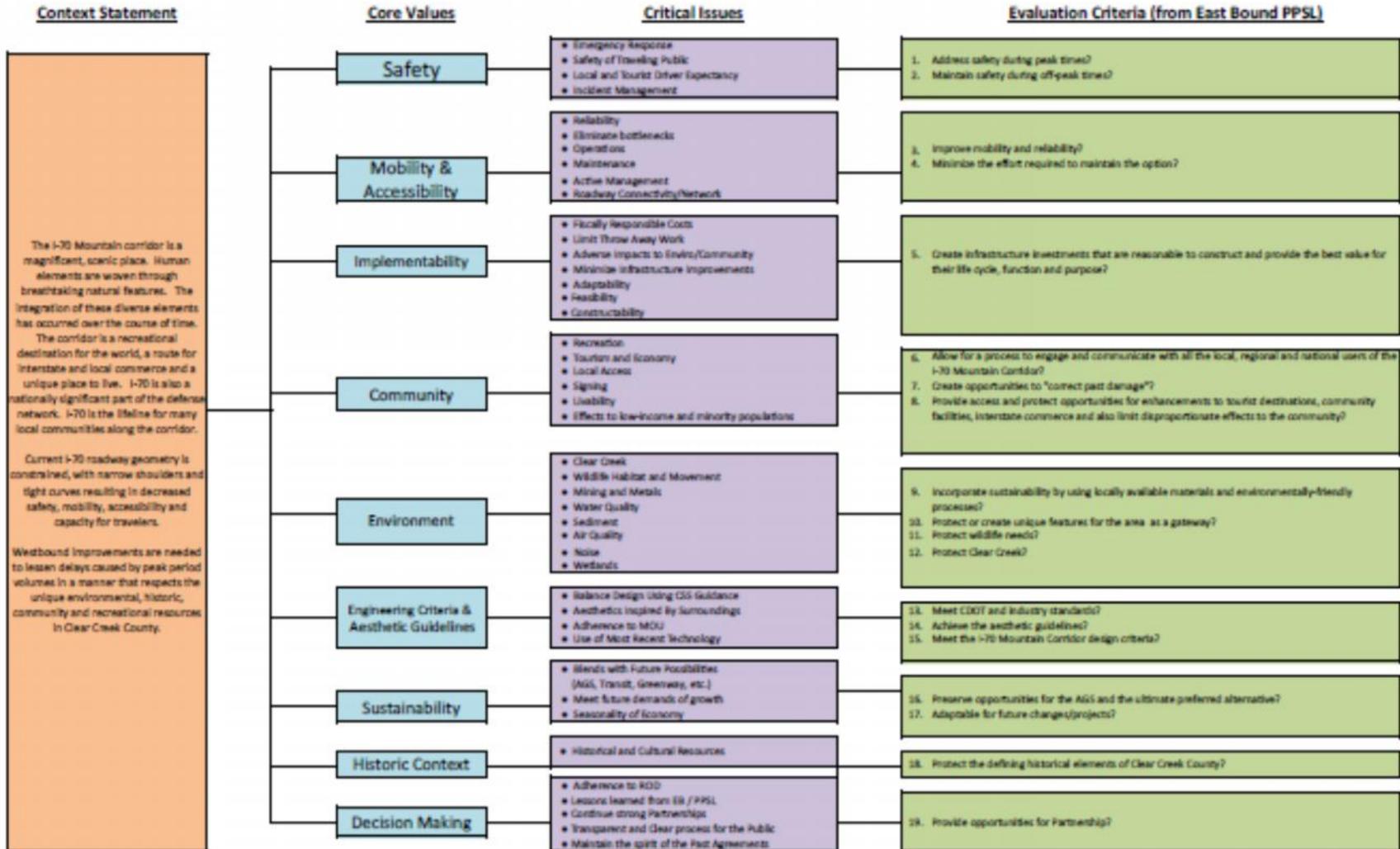
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Context Statement, Core Values and Critical Issues





Concept Development Process





Context Statement

- The I-70 Mountain Corridor is a magnificent, scenic place. Human elements are woven through breathtaking natural features . . .
- . . . a nationally significant part of the defense network. Lifeline for many local communities along the corridor
- Roadway geometry is constrained, with narrow shoulders and tight curves
- Improvements are needed to lessen delays . . . Respects the unique environmental, historic, community and recreational resources in Clear Creek County.





Core Values

- Safety
- Mobility and Accessibility
- Implementability
- Environment
- Community
- Engineering Criteria and Aesthetic Guidelines
- Sustainability
- Historic Context
- Decision Making





Critical Issues

- Emergency Response
- Reliability
- Recreation
- Natural Resources Including Wildlife
- Adherence to MOU
- Historical and Cultural Resources
- Adherence to ROD





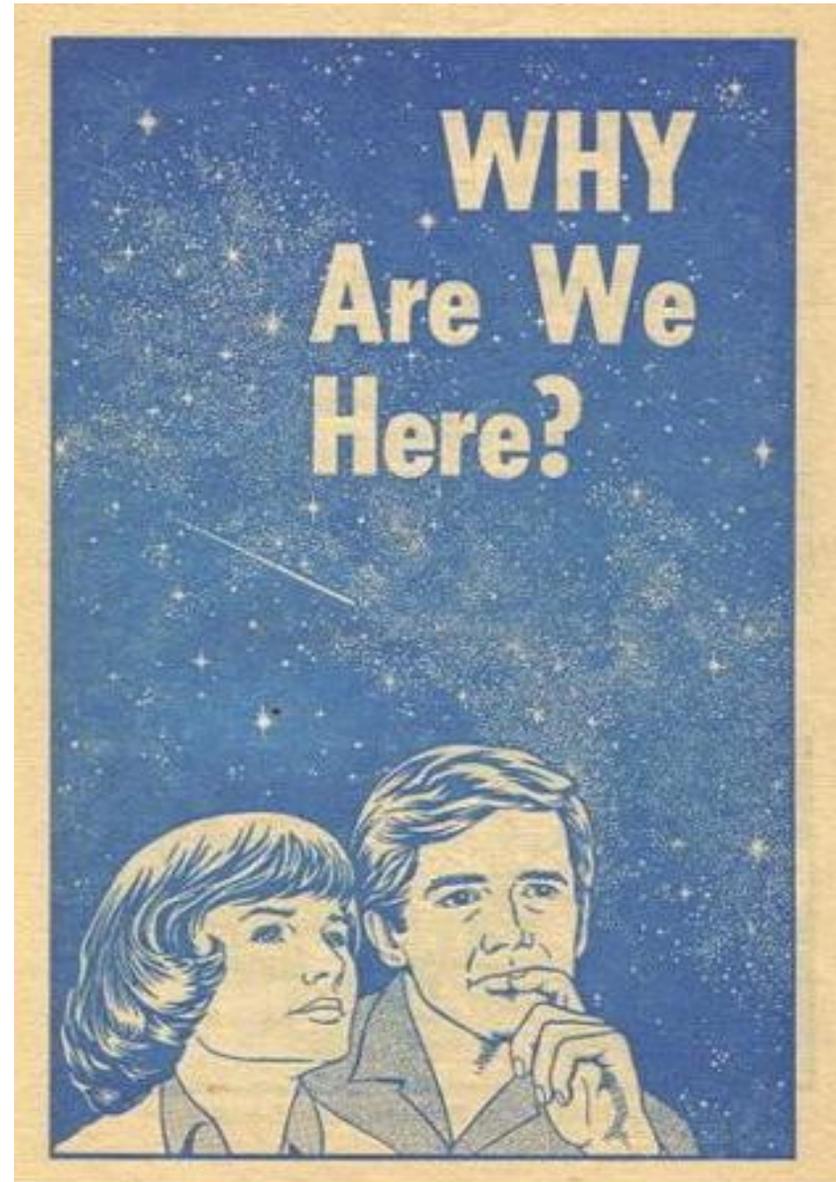
Technical Team





What does the TT do?

- Role of the TT
- Expectations of TT
- Responsibilities of TT





Technical Team Role

- ✓ Provide technical advice about issues in the corridor.
- ✓ Provide technical advice to develop concepts.
- ✓ Evaluate concepts using Core Values and Evaluation Criteria developed by the PLT and TT.
- ✓ Define the level of ‘feasibility’ for each segment.
- ✓ Continuity. TT members are expected to come to the table and show up to meetings.
- ✓ A TT agenda will be put out in advance to identify issue topics for specific areas and ensure that appropriate TT members are present.

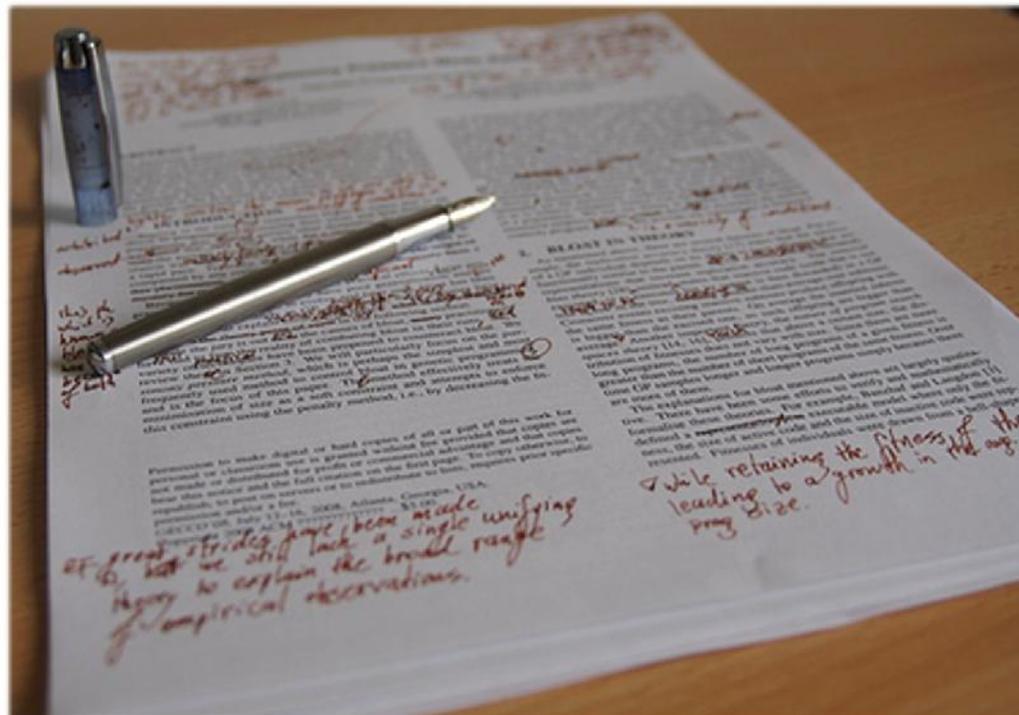




Concept Vetting

The Technical Team will ‘vet’ concepts by:

- Framing and defining the issue.
- “Attacking” the issue with ideas.
- Wrapping-up and summarizing the issue.





Consultants & Contractors Issue Task Forces

- Consultants and contractors participate in TT meetings to understand stakeholder perspectives.
- They are charged with seeing if TT guidance is feasible. They participate on TTs and ITF as needed. If there is a fatal flaw technically, no reason to advance to NEPA.
- Issue Task Forces (ITFs) are used minimally and when the TT gets “stuck”.





Exercise

Critical Issues and Concept ID

- Are there additional critical issues?
- What are the high level concepts for Segment 1?





Proposed Approach

- Develop concepts further and initiate evaluation process – January 18
- Finalize evaluation matrix and determine concepts to advance into NEPA – mid -February





Next Steps and Closing



- Action Items
- Next TT Meeting Date?
- Questions?





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