



Meeting Agenda

- 5:00 p.m. Doors open and Open House
- 5:30 p.m. Project Presentation
- 6:00 p.m. Public Comment Period
- 6:45 p.m. Open House
- 7:00 p.m. Closing

PURPOSE FOR MEETING

CONCEPT DEVELOPMENT

- Present and discuss the recommendations out of the Concept Development Process.
- Solicit public feedback on the concepts presented.
- Discuss public input from March Public Meeting # 1.

NATIONAL ENVIRONMENTAL POLICY ACT: TWO PROJECTS

- Solicit public comment on two upcoming NEPA Projects
 - Floyd Hill
 - WB PPSL
- Receive input and advice around the community issues and concerns for design solutions for these two projects.

EASTBOUND DATA

WINTER 2016-2017 VOLUMES (HIGHER THAN PREVIOUS YEAR)

1.12 million vehicles

2015-2016 winter volumes: 1.03 million vehicles



Eastbound PPSL: 89,800 vehicles

2015-2016: 42,600 vehicles

CORRIDOR SAFETY IMPROVED



Corridor incidents were down 22 percent in the winter season.

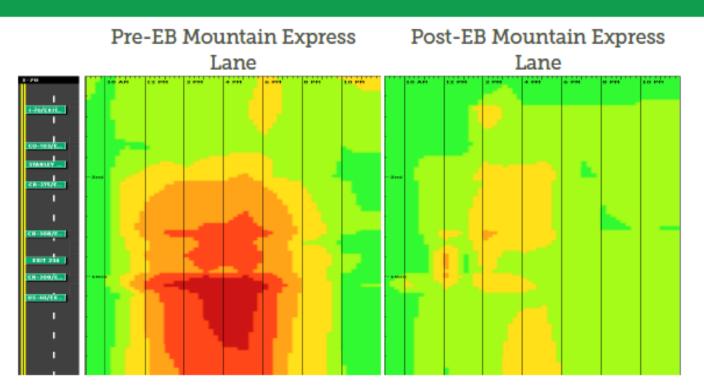
Incident response times were 4 minutes quicker than last year.

TRAVEL TIMES IMPROVED



In a worst-day comparison between 2015 and 2016, eastbound travel times between Georgetown and US 40 improved by 21 minutes with Mountain Express Lanes.

EASTBOUND TRAVEL SPEEDS



Travel Times Reduced 26% to 52%

These figures depict average speed by location and by time-of-day. Areas of dark green reflect normal highway speeds, while areas of dark red show times and locations of very slow congested speeds.

EASTBOUND IMPACT

POSITIVE EFFECT OF RECENT CONSTRUCTION



Travel times for all lanes has improved 22 to 52 percent



Time to clear corridor back-ups has substantially improved



Express Lane has been well received by public and the media



Time to clear incidents has improved



Frontage Road congestion has been alleviated

Data is from the I-70 Mountain Express Lane January 1 through April 10, 2016 and May 30 through September 5, 2016 Summary of Findings Report



CONCEPT DEVELOPMENT PROCESS AND CORE VALUES

CONCEPT SENSITIVE SOLUTIONS PROCESS



Establish context statement



Define core values & issues



Develop concepts



Evaluate, select, refine options



Determine which option(s) to advance to NEPA



Finalize documents and evaluate process

CORE VALUES







Implementability



Environment



Engineering Criteria & Aesthetic Guidelines



Historic Context



PROJECT CORRIDOR



WHO'S DOING THE WORK?

CONTEXT SENSITIVE SOLUTIONS



Project Leadership Team

- Drives Concept
 Development Process
 and ensures guidance
 is followed
- Approves decision making process and enables teams to follow process
- Determines what materials are relevant for decision making
- + Assists to resolve issues



Technical Team

- Defines context of project segments and identifies critical issues
- + Evaluates
 concepts based
 on critical issues,
 core values,
 and evaluation
 criteria
- Defines level of feasibility



Engineering Consultants & Contractors

- Participates

 in meetings to

 understand Technical

 Team perspectives
- Develops concepts and identifies fatal flaws, constructibility and design
- + Ensures feasibility of Technical Team guidance



Project Management Team*

- + Personnel the Project Leadership and Technical Teams uses to organize, fund and facilitate the process
- * The Project Management Team is comprised of FHWA; CDOT; HDR, Inc.; THK Associates, Inc; and CDR Consultants

TEAM PARTNERSHIPS

PROJECT LEADERSHIP TEAM



- + CDOT
- Central City
- City of Idaho Springs
- Clear Creek County
- Eagle County
- Federal Highway
 Administration
- Georgetown
- + I-70 Coalition
- + Silver Plume
- Summit County
- Town of Empire
- U.S. Forest Service

TECHNICAL TEAM*



* Technical Team is made up of agencies that have been invited to participate

- + CDOT
- + Central City
- City of Black Hawk
- City of Idaho Springs
- Clear Creek Bikeway
 Users Group
- Clear Creek County
- + Clear Creek County Archivist
- Clear Creek County Emergency Services
- Clear Creek County Sheriff
- Clear Creek Economic Development Corp.
- + Clear Creek Fire Authority
- Clear Creek Greenway
 Authority
- + Clear Creek Open Space
- Clear Creek Rafting
- + Clear Creek School District
- Clear Creek Tourism Bureau
- + Clear Creek Watershed Foundation

- Colorado Motor Carriers
 Association
- Colorado Parks and Wildlife
- Denver Regional Council of Governments
- Downieville, Lawson, and Dumont Neighborhood
- + Empire Junction
- Federal Highway
 Administration
- Floyd Hill Property Owners Association
- + Georgetown Loop Railroad
- + Gilpin County
- + Jefferson County
- Loveland Ski Resort
- + Mile Hi Rafting
- + Summit County
- Trout Unlimited
- U.S. Forest Service
- + Vail Ski Resorts
- + Winter Park Ski Resort

COMMENTS HEARD AT MARCH 14TH PUBLIC MEETING

COMMENTS ON NEED

Improvements are needed

Make sure safety issues are addressed

Existing interchanges have problems

Emergency access needs to be considered

At the bottom of Floyd Hill, consider improving conditions for the Greenway, existing businesses and rafting industry

Account for traffic from the Gaming Areas in addition to traffic on I-70 and traffic generated from local developments and subdivisions

COMMENTS ON CONCERNS

Neighborhood concerns must be incorporated

Noise, air quality, historic building and economic development are important in Idaho Springs

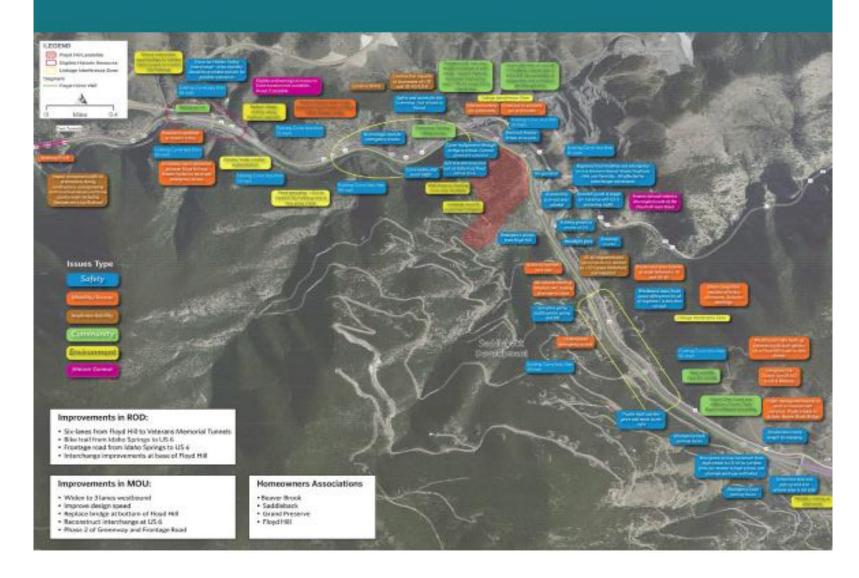
(Please see handout for response to all comments received)



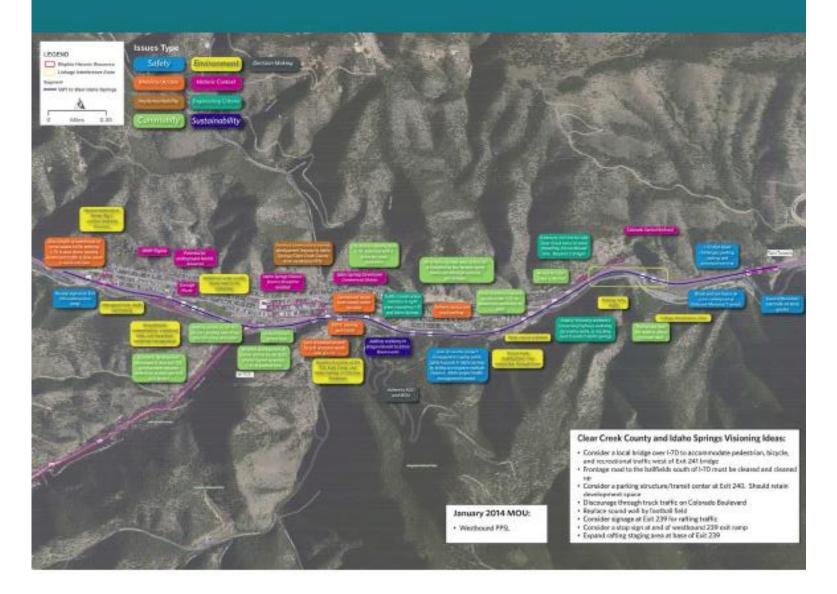




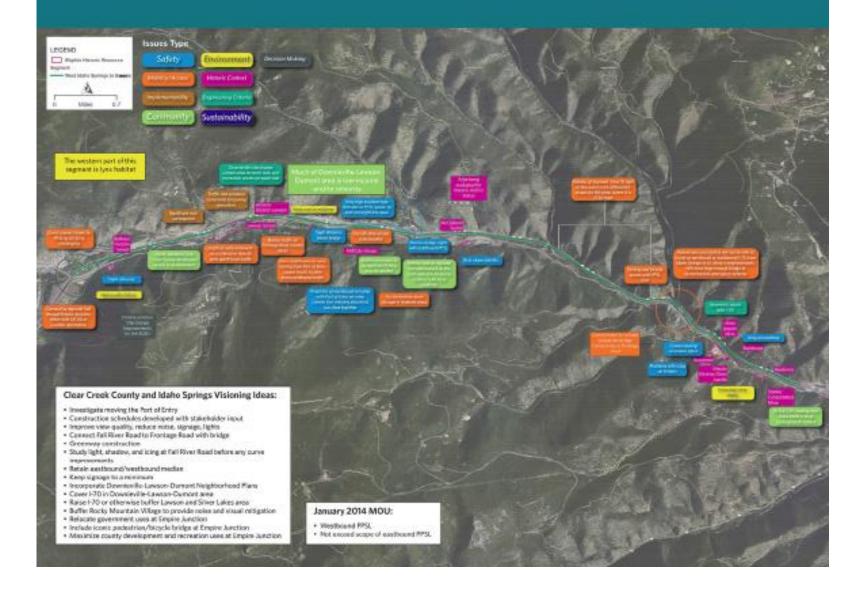
CRITICAL ISSUES: SEGMENT 1



CRITICAL ISSUES: SEGMENT 2



CRITICAL ISSUES: SEGMENT 3



EVALUATION MATRICES

- Used to determine alignment and interchange concepts for Segment 1
- Used to determine cross section concepts for Segments 2 and 3
- Will be brought to NEPA for more detailed review and discussion
- Evaluation Criteria developed by PLT and TT
- Concepts compared to each other and then used to develop recommendations.

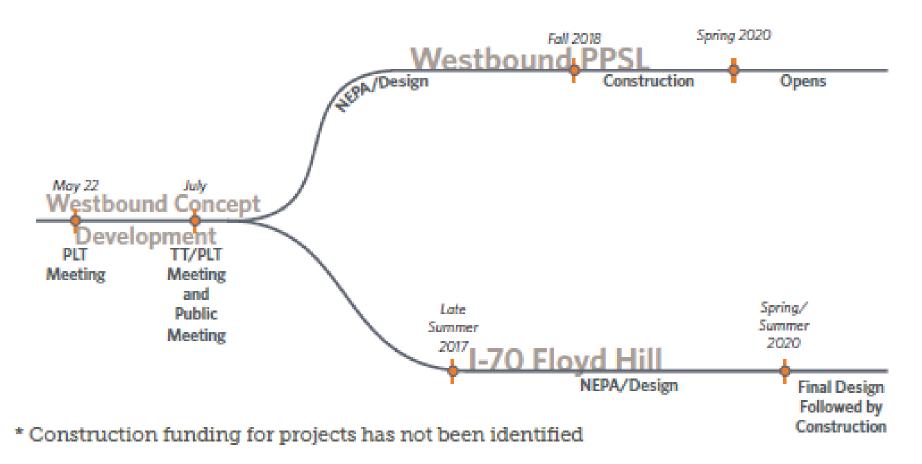
EVALUATION MATRICES

	Segment 1: I-70 and US 6 Interchange				
ID	Criteria		Options	Ranking	Fair Better Best
		Reconfigure - Full Movement at Current	Shift - Interchange slightly to the East	Close US 6 Interchange and move to the	Close US 6 Interchange and move to the
		Location	(full closure option)	West (Hidden Valley)	East (Top of Floyd Hill)
RECOMMENDATIONS					
	Summary of findings	affect known historic resources and is fully	Greenway alignments, enhances recreational potential, least impact to wildlife, no effects to known historic properties, consistent with Clear Creek County desires for the US 6 interchange, responsive to Clear Creek County 2017 Master Plan, provides direct access to the	Recommended to be advanced into the NEPA process. This concept has fewer benefits (it eliminates a confusing interchange) and more negative features (it requires out of direction travel, reduces travel options, results in extensive impacts to the traveling public during construction, affects an archaeological site, reduces tourism potential) but none that mean the concept should not be further studied in the NEPA process.	resources, opens the US 6 canyon for recreational potential, minimal impact to the traveling public during construction)
EVALUATION CRITERIA					
1.	Accommodates emergency access and response?	Provides additional access points.	Provides additional access points.	Limits emergency access points.	Limits emergency access points. A concentration of truck traffic conflicting with residential traffic could hinder operations

Eliminates conflicting and confusing Unresolved safety issues - steep grade and interchange at US6, however traffic will Eliminates conflicting and confusing Addresses safety of the traveling public sharp curves. If a roundabout is part of Improves safety issues - steep grades have to move up the steep hill in both and the community? the design, it will need to be designed for possible interchange directions. If a roundabout it part of the commercial vehicles. design, it will need to be designed to accommodate commerical vehicles.

CONCEPT DEVELOPMENT TRANSITION TO TWO NEPA PROJECTS

NEPA = National Environmental Policy Act, a federal environmental law that applies to federally funded projects

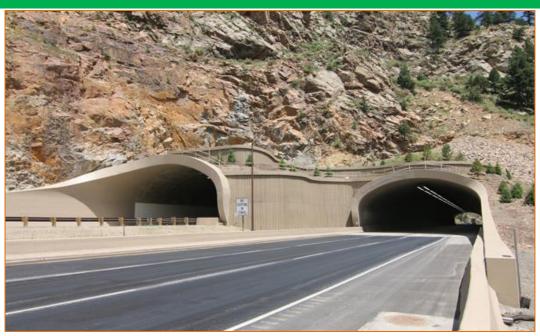


INFORMATION FROM THE CONCEPT DEVELOPMENT PROCESS TO BE INCORPORATED INTO TWO NEPA PROJECTS

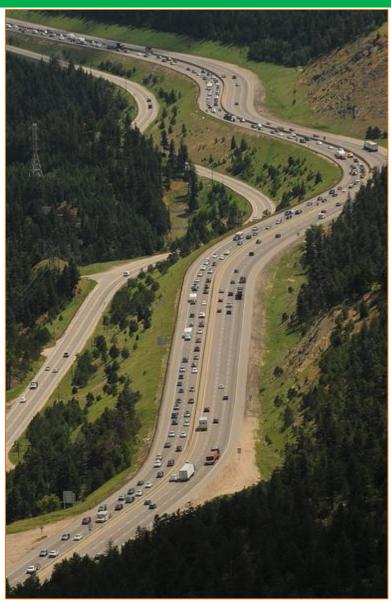
- Issues of concern to the general public, the Project Leadership Team, the Technical Team and the Issue Task Force
- Issues of concern to state and federal resource agencies
- Environmental resources
- Alternatives that should be brought forward into the NEPA process
- Alternatives that should not be advanced into the NEPA process



SEGMENT 1 – FLOYD HILL PROJECT





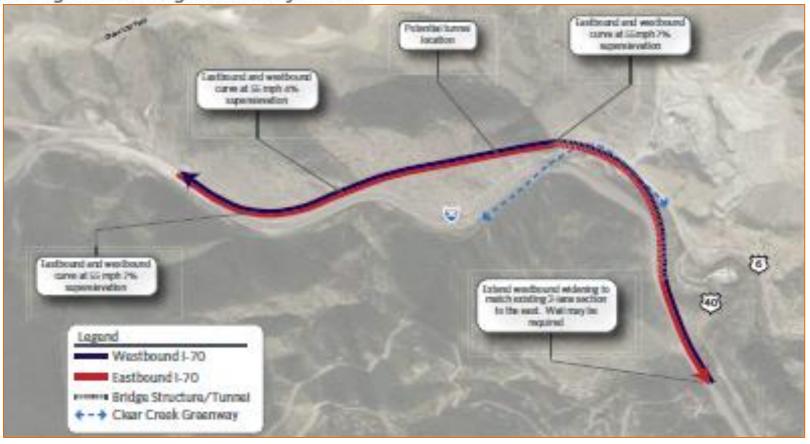


ALIGNMENT CONCEPTS

SEGMENT 1 (FLOYD HILL)

NORTH ALIGNMENT CONCEPT

Consider an option of realigning I-70 slightly to the north of its current alignment, including a new bridge from Floyd Hill.

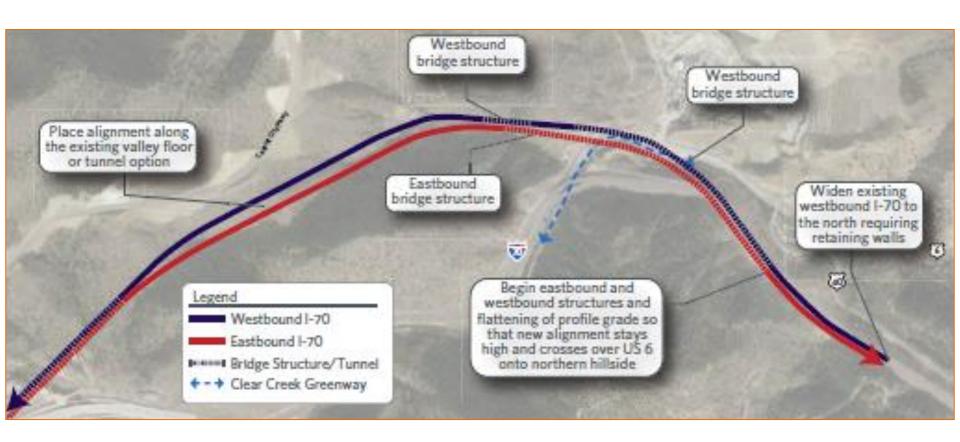


ALIGNMENT CONCEPTS

SEGMENT 1 (FLOYD HILL)

OFF ALIGNMENT CONCEPT

Consider an option of realigning I-70 to the north off of its current alignment, including new bridges from Floyd Hill and a tunnel on the west.

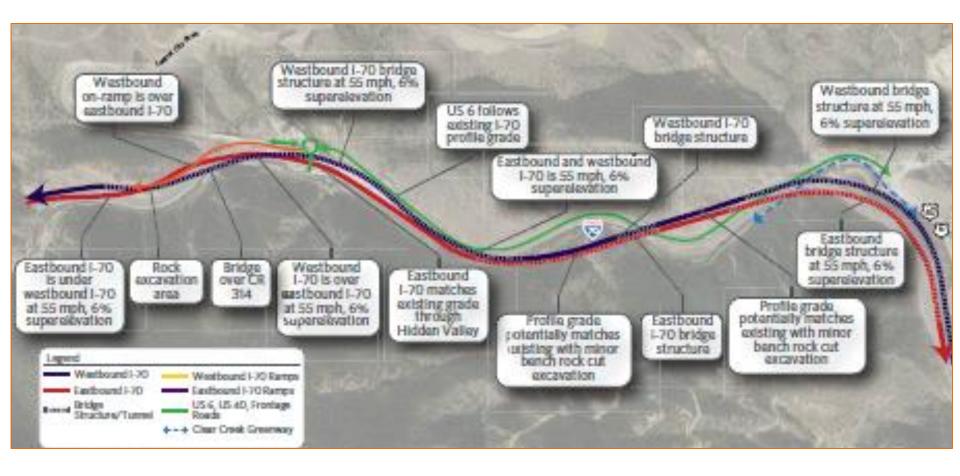


ALIGNMENT CONCEPTS

SEGMENT 1 (FLOYD HILL)

SOUTH ALIGNMENT CONCEPT

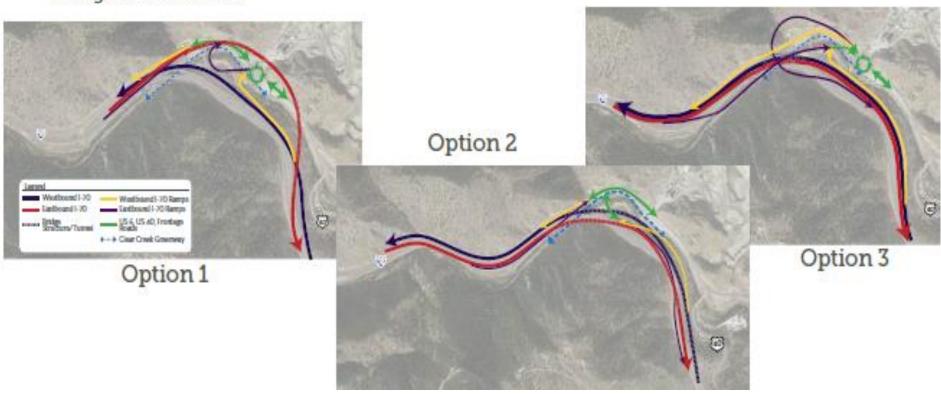
Consider straightening curves generally along the existing I-70 alignment, including new bridges from Floyd Hill and south of the existing alignment.



SEGMENT 1 (FLOYD HILL)

FULL MOVEMENTS AT CURRENT LOCATION

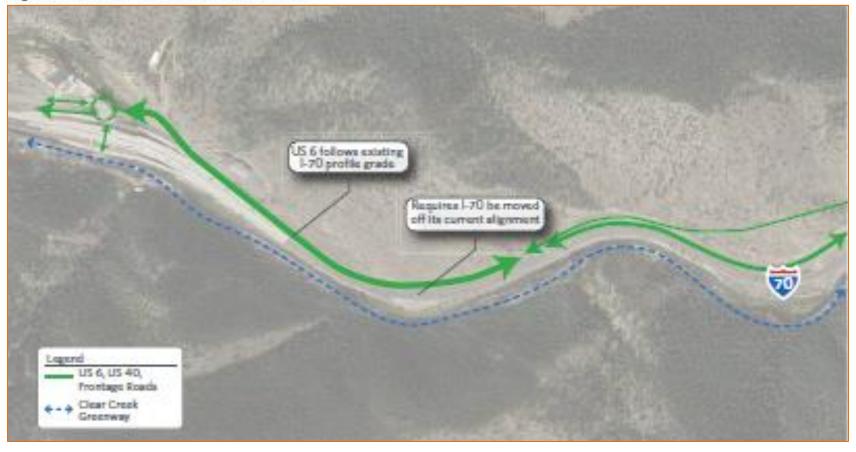
Consider reconfiguring the US-6 interchange at its current location. Options include consideration of roundabouts and flyover ramp structures, along with associated realignments of I-70.



SEGMENT 1 (FLOYD HILL)

CLOSE INTERCHANGE AT US 6, MOVE TO WEST (HIDDEN VALLEY)

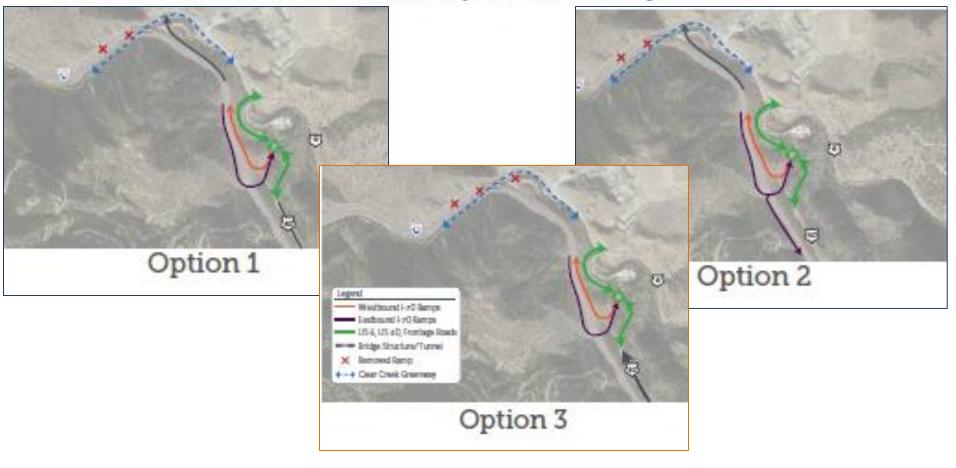
Consider closing the US-6 interchange access at its current location, and moving US-6 access to the Hidden Valley interchange. Some Hidden Valley interchange improvements would be included.



SEGMENT 1 (FLOYD HILL)

SHIFT OTHER MOVEMENTS TO THE EAST

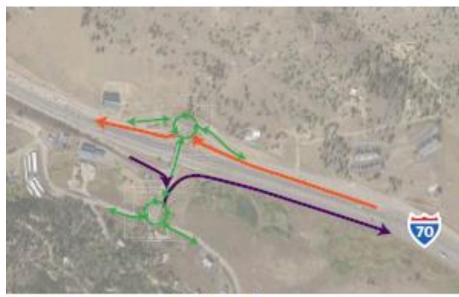
Consider moving some US-6 interchange movements up Floyd Hill to the east. Options include consideration of roundabouts and flyover or tunnel ramp structures.

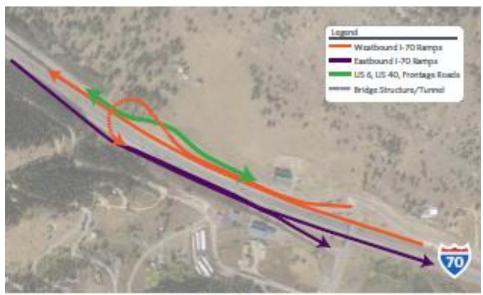


SEGMENT 1 (FLOYD HILL)

MOVE INTERCHANGE EAST (TOP OF FLOYD HILL)

Consider closing the US-6 interchange access at its current location, and moving US-6 access to the top of Floyd Hill. Options include consideration of roundabouts and ramp flyover or tunnel structures.



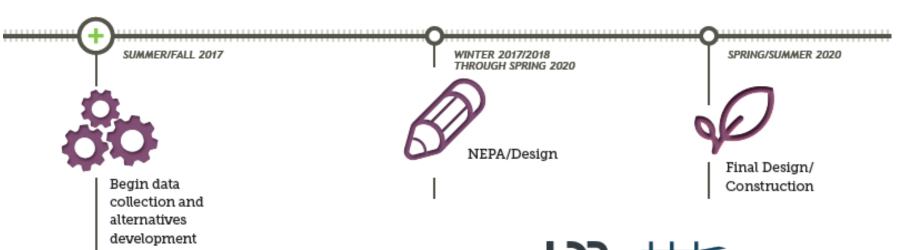


Option 1

Option 2

FLOYD HILL NEPA PROJECT

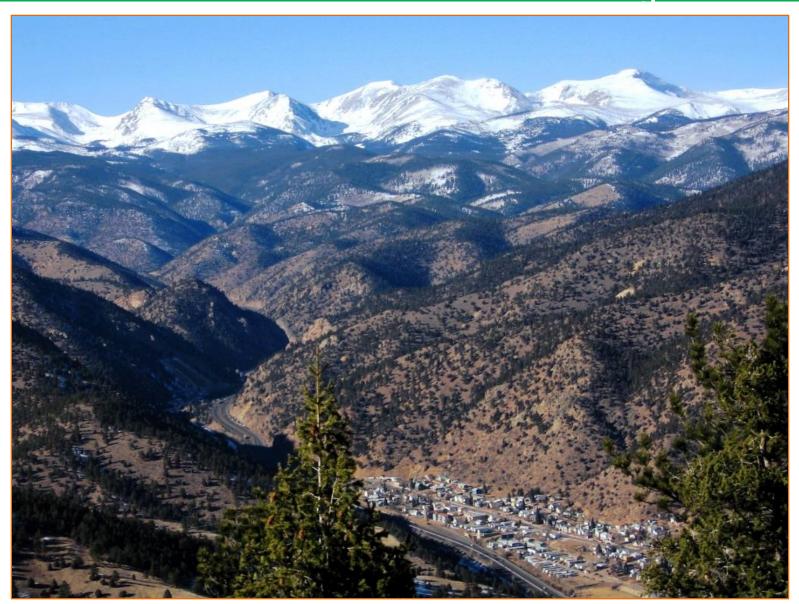
FLOYD HILL SCHEDULE AND PROJECT TEAM



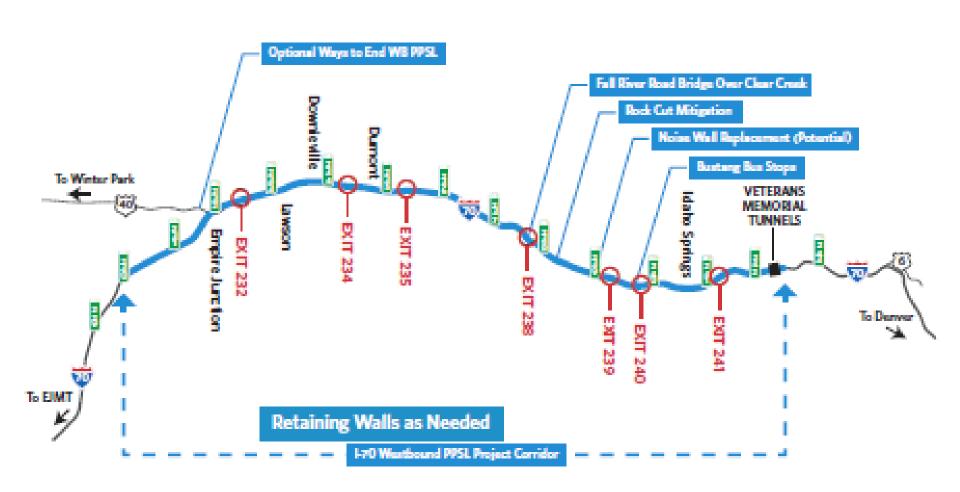




SEGMENTS 2/3 – Westbound Peak Period Shoulder Lane Project

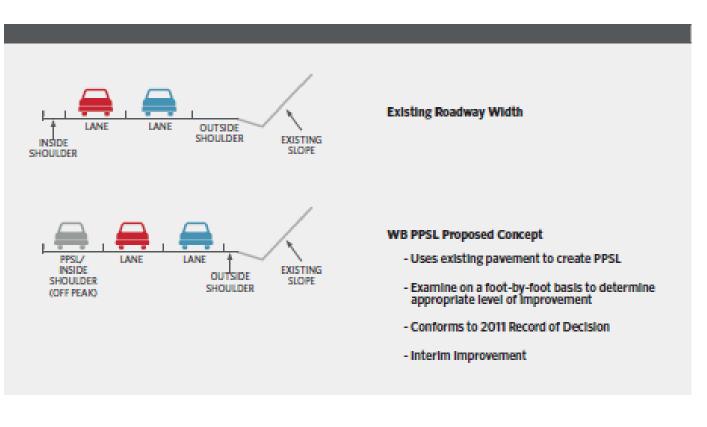


WESTBOUND PEAK PERIOD SHOULDER LANE PROJECT ELEMENTS



WESTBOUND PEAK PERIOD SHOULDER LANE PROPOSED CONCEPT

SEGMENTS 2 & 3



- The Project Leadership
 Team and Technical
 Teams agree on the
 proposed concept for a
 westbound peak period
 shoulder lane
- It provides safety and mobility benefits while minimizing impacts to communities and natural resources.
- It is consistent with the 2011 Record of Decision and mirrors the improvements made in the eastbound direction.

SEGMENT 3

EMPIRE JUNCTION INTERCHANGE

Consider where peak period shoulder lane (PPSL) will end heading westbound. For PPSL traffic headed to US-40, cutting across the general purpose lanes is an option, with variations on where to end the PPSL lanes for westbound I-70 traffic.



SEGMENT 3

EMPIRE JUNCTION INTERCHANGE

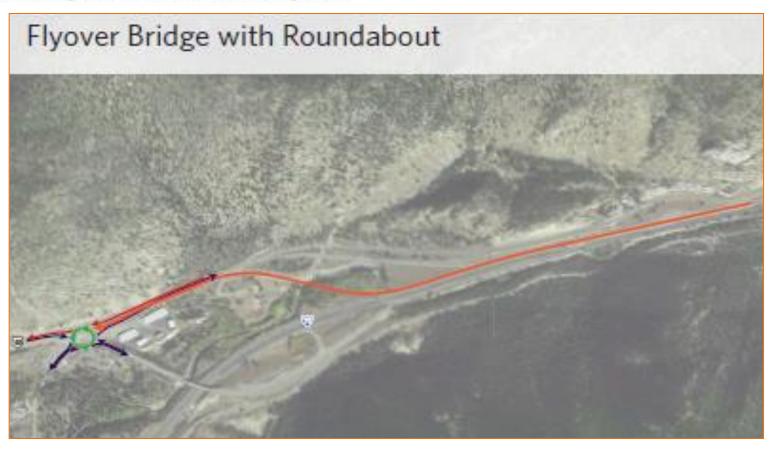
Consider where peak period shoulder lane (PPSL) will end heading westbound. For PPSL traffic headed to/from US-40, a direct connect flyover bridge across I-70 and Clear Creek ending at a T-intersection is an option.



SEGMENT 3

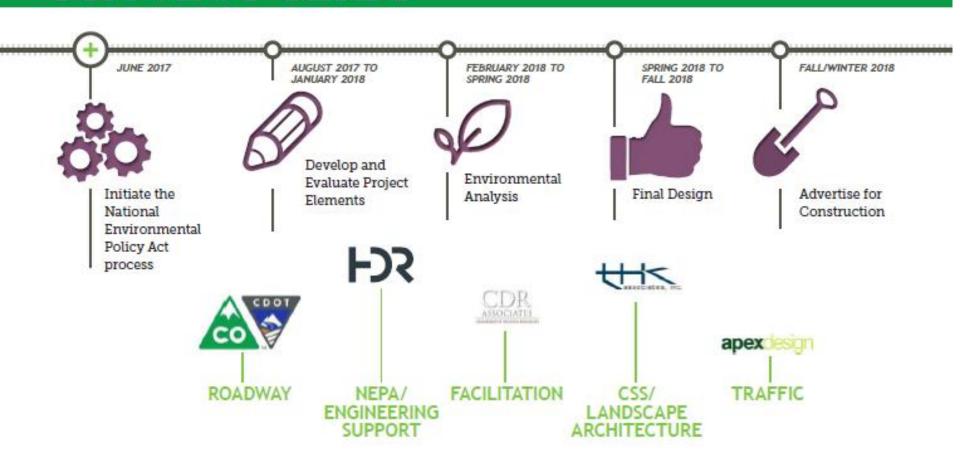
EMPIRE JUNCTION INTERCHANGE

Consider where peak period shoulder lane (PPSL) will end heading westbound. For PPSL traffic headed to US-40, a direct connect flyover bridge across I-70 and Clear Creek ending at a roundabout is an option.



WB PEAK PERIOD SHOULDER LANE (PPSL) NEPA PROJECT

WB PPSL SCHEDULE AND PROJECT TEAM



TELL US YOUR IDEAS

