



I-70 Floyd Hill 30% Design

Technical Team Meeting #9

February 28, 2018

CDOT I-70 Mountain Corridor



**I-70 Floyd Hill to
Veterans Memorial Tunnels**

AGENDA

1. INTRODUCTIONS AND OVERVIEW
 - Outcomes from TT #8
2. PROJECT TT CHARTER
3. RESPONSES TO TECHNICAL TEAM ISSUES
4. OUTCOMES FROM ISSUE TASK FORCE MEETINGS
5. OUTREACH SUMMARY
6. FOLLOW UP
 - US 6 Access Options Summary Statement
7. DISCUSS PROPOSED SOLUTIONS
 - Alignment Options
8. OUTSTANDING ISSUES
9. DEVELOP CRITERIA FOR:
10. NEXT STEPS
 - Parking Lot



INTRODUCTIONS AND OVERVIEW

OTHER PROJECT EFFORTS

- Westbound PPSL
- Region 3 Vail Pass
- Idaho Springs Transit Center
- Colorado Boulevard Reconstruction
- Clear Creek Greenway
- Fall River Road Bridge
- Smart 70 / RoadX
- Geohazard Mitigation Program
- Bridge deck repair at Soda Creek and Floyd Hill Bridges
- Recreation Management Symposium
- Variable Speed Limit Concept of Operations



CSS PROCESS



CSS TRACKING SCHEDULE

TECHNICAL TEAM SCHEDULE

I-70 MOUNTAIN CORRIDOR - FLOYD HILL PROJECT

ISSUES FOR TECHNICAL TEAM
February 22, 2018

ISSUES	2017				2018				2019										
	SEPT 2ND WEEK	OCT 4TH WEEK	NOV 2ND WEEK	DEC 5TH WEEK	JAN 2ND WEEK	FEB 4TH WEEK	MAR 2ND WEEK	APR 2ND WEEK	MAY 4TH WEEK	JUN 2ND WEEK	July 4TH WEEK	AUG 2ND WEEK	SEPT 4TH WEEK	OCT 2ND WEEK	NOV 4TH WEEK	DEC 2ND WEEK	2019 JAN 4TH WEEK	FEB 2ND WEEK	
DISCUSSION ITEMS																			
CONTEXT STATEMENT/CORE VALUES		★	●																
CRITICAL ISSUES/CONTEXT CONSIDERATIONS		★	●	●	●	●													
EVALUATION QUESTIONS		★	●	●	●														
VISIONING IDEAS		★	●																
COMPONENTS AND DESIGN PARAMETERS		★	●																
ALTERNATIVES EVALUATION																			
ALIGNMENT CONCEPTS EVALUATION					■	★	●												
US 6 ACCESS OPTIONS EVALUATION							■	★	●	●									
ROADWAY DESIGN OPTIONS EVAL. (TOP OF FLOYD HILL TO US 6; US 6 TO HIDDEN VALLEY, HIDDEN VALLEY TO VMT)							■	★	●	●									
PROPOSED ACTION IDENTIFICATION									■	★									
PARTNERSHIP - OFF HIGHWAY IMPROVEMENTS										●									
PROPOSED ACTION REFINEMENTS / TRAFFIC ANALYSIS										■	★								
OPERATIONAL OPTIONS EVAL. (GP OR MANAGED LANE)										■	★	●	●						
AESTHETICS / DESIGN CRITERIA FOR STRUCTURAL COMPONENTS																			
NEW BRIDGE(S)																			
NEW TUNNEL(S)																			
NEPA																			
PURPOSE AND NEED					★	●	●	●											
TRAFFIC FORECAST RESULTS																			
PUBLIC INVOLVEMENT PLAN			■	★	●														
RESOURCE ANALYSIS METHODOLOGIES			■																
SUMMARY OF IMPACTS AND MITIGATION									■	★		●							

Recommended Proposed Action

LEGEND: ■ SHADED ITEMS ARE COMPLETE ■ DISCUSS CRITERIA ★ DISCUSSION OF CONCEPTS ● DECISION MATRIX / DECISION



FOLLOW UP

OUTCOMES FROM TT #8

- US 6 Access Locations Matrix Review
- US 6 Access Locations Matrix fair, better, best ranking
- Recommendation of moving the design of Option D forward

US 6 ACCESS LOCATIONS MATRIX SUMMARY STATEMENTS

- **Option A:** Not recommended for further evaluation at this time for the following reasons:
 - Increases truck and gaming traffic on US 40 conflicting with neighborhood and bicycle traffic and high school athletics
 - Not consistent with Clear Creek County Master PlanHowever, will evaluate the potential need for a full diamond interchange at the top of Floyd Hill (Beaver Brook) as a part of the Proposed Action.
- **Option B:** Not recommended for further evaluation at this time for the following reasons:
 - Substantial visual, environmental and geologic impacts
 - Not consistent with Clear Creek County Master Plan
 - Requires significant infrastructure
 - Potential conflicts with the AGS

US 6 ACCESS LOCATIONS MATRIX SUMMARY STATEMENTS

- **Option C:** Not recommended for further evaluation at this time for the following reasons:
 - Substantial visual, environmental and geologic impacts
 - Substantial impacts to the traveling public during construction
 - Requires significant infrastructure

- **Option D:** RECOMMENDED to be evaluated as a part of the Proposed Action. This option provides the following benefits:
 - Minimizes visual, environmental and geologic hazards.
 - Balances access at the US 6 interchange with maintaining area at bottom of Floyd Hill for recreational uses
 - Reduces truck and gaming traffic at the top of Floyd Hill.

US 6 ACCESS LOCATIONS MATRIX SUMMARY STATEMENTS

- **Option E:** Not recommended for further evaluation at this time for the following reasons:
 - Similar to Option D but eliminates the EB on ramp at US 6.
 - Increases truck and gaming traffic on US 40 conflicting with neighborhood and bicycle traffic and high school athletics



DISCUSS PROPOSED SOLUTIONS

➤ **ROADWAY DESIGN OPTIONS BY
LOCATION:**

- **West (Hidden Valley to VMT)**
- **Central (US 6 to Hidden Valley)**
- **East (Top of Floyd Hill to US 6)**

➤ **ROADWAY DESIGN OPTIONS**

- **Pros / Cons Activity**
- **Issue Specific Criteria**

NEAR TERM NEXT STEPS

- **Convene ITF for Roadway Design Options Matrix – Friday, March 2, 2018 (9:00am to 12:00pm) CDOT Golden**
- **Discuss ITF recommendations**
- **Identify other project decision points**
- **Create a Project Vision Map**



NEXT STEPS

- **FUTURE TT MEETINGS**
 - **SCHEDULE FOR FUTURE TT MEETINGS**
 - **2ND AND 4TH WEDNESDAYS**
 - **1 PM TO 4 PM**

- **NEXT MEETING MARCH 14, 2018**

- **SCHEDULE SECTION 106, SWEEP AND ALIVE MEETINGS SPRING 2018**

- **DATA COLLECTION AND ANALYSIS (ALL RESOURCES)**

- **PUBLIC MEETING (SUMMER)**

- **PROJECT WEBSITE:**

<https://www.cdot.gov/projects/i-70-Floyd-hill-to-veterans-memorial-tunnels-improvements>

PARKING LOT

- **Lane striping differentiation between acceleration / deceleration lanes and EB PPSL**