

# WB I-70 Peak Period Shoulder Lane Project

## Technical Team Meeting #11

January 24, 2018

CDOT I-70 Mountain Corridor

# AGENDA

## 1. INTRODUCTIONS AND OVERVIEW

## 2. PROJECT TT CHARTER

## 3. RESPONSES TO TECHNICAL TEAM ISSUES

## 4. OUTCOMES FROM ISSUE TASK FORCE MEETINGS

- ALIVE Meeting 1-18-18

## 5. OUTREACH SUMMARY

## 6. FOLLOW UP

- Focus Area 1 Matrix
- Traffic Operation Projections

## 7. DISCUSS PROPOSED SOLUTIONS

- Focus Area 2 – Alignment
  - Mountain vs. Median decision locations
- Rockfall Toolbox
- Site Specific Criteria

## 8. OUTSTANDING ISSUES

## 9. DEVELOP CRITERIA FOR:

## 10. NEXT STEPS

- Process Check
- Corridor Baseline





# INTRODUCTIONS AND OVERVIEW

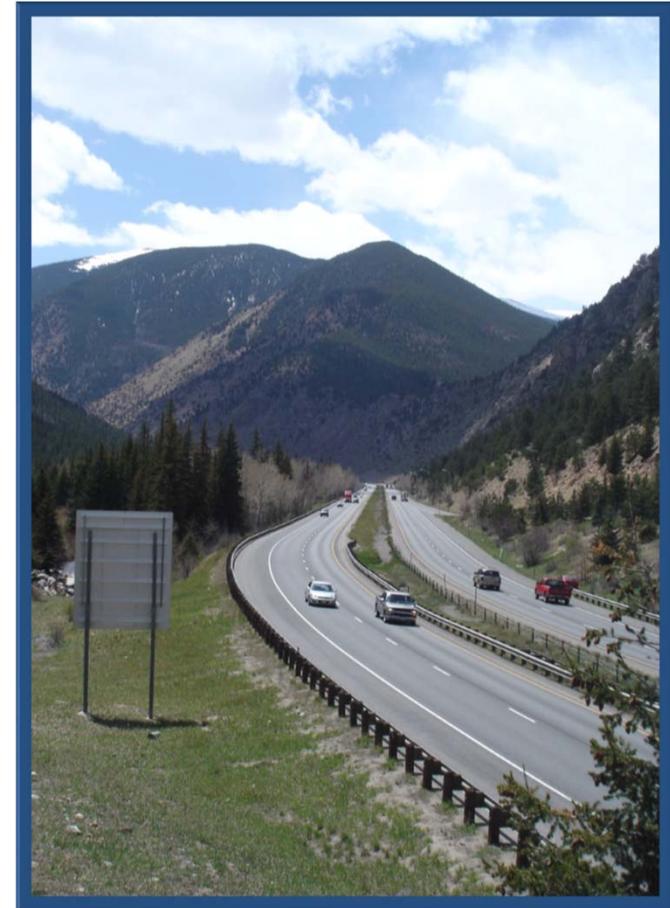
## Outcomes/Process to date:

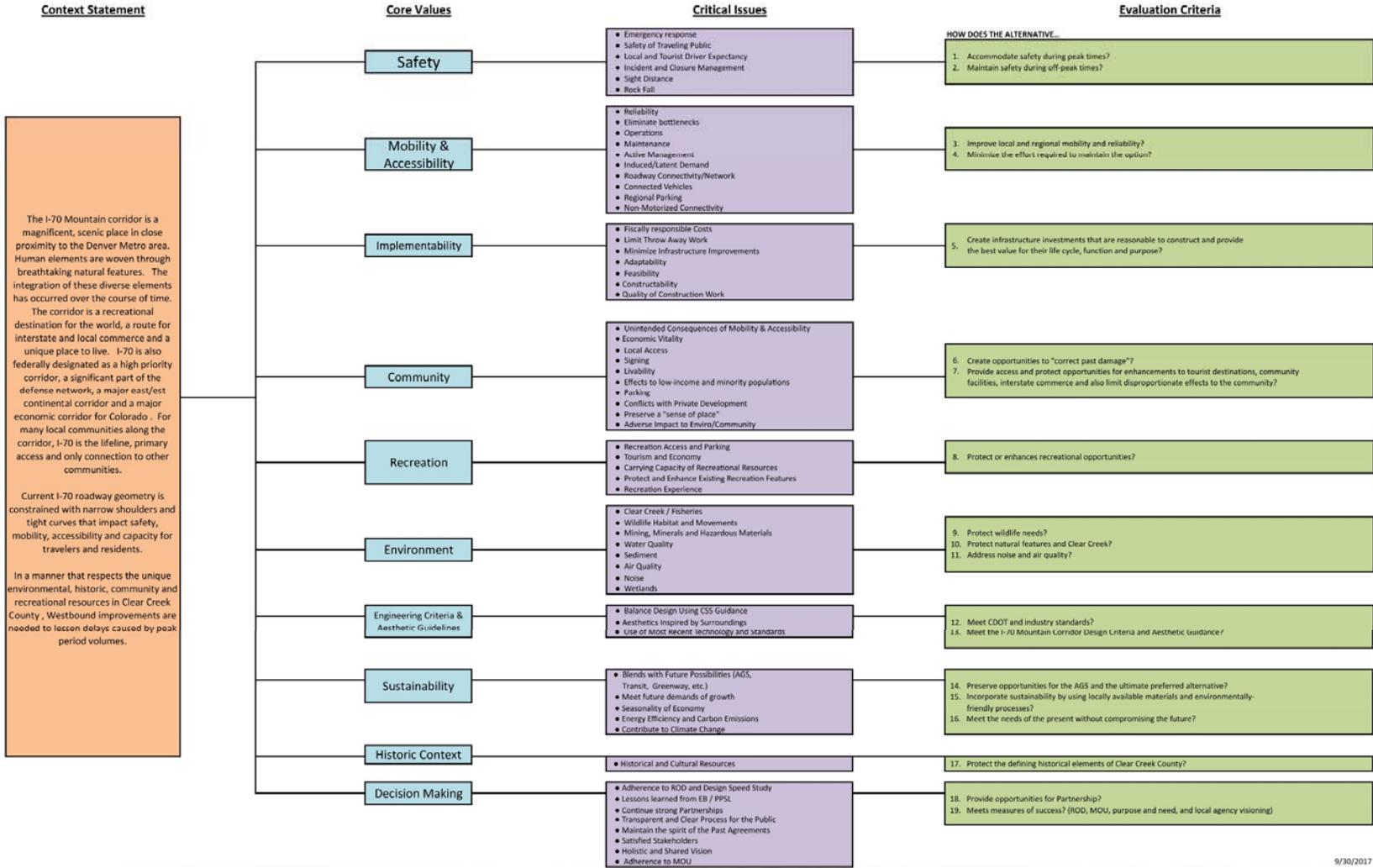
- Developed Evaluation and Issue Specific Criteria
- Reviewed Engineering 101
- Reviewed Corridor long foot-by-foot Context
- Reviewed Focus Area 1
- Reviewed Safety Tool Box
- Direction from TT to develop design options using the safety tools
- Preliminary Review of Focus Area 1 Options Matrix
- Preliminary Review of Focus Area 2 Map



# PROJECT UPDATES

- Floyd Hill
- Region 3 Vail Pass
- Idaho Springs Transit Center
- Colorado Boulevard Reconstruction
- Clear Creek Greenway
- Fall River Road Bridge
- Smart 70 / RoadX
- Geohazard Mitigation Program
- INFRA Grant – Results Spring, 2018
- Circulation Partnership Symposium
- Variable Speed Limit Concept of Operations





# CSS TRACKING SCHEDULE

## I-70 MOUNTAIN CORRIDOR - WEST BOUND PEAK PERIOD SHOULDER LANE DRAFT Technical Team Schedule

ISSUES FOR TECHNICAL TEAM  
January 11, 2018

ISSUES	2017												2018															
	JUL		AUG		SEPT		OCT		NOV		DEC	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		
	2ND	4TH	2ND	4TH	2ND	4TH	2ND	4TH	2ND	5TH	2ND	2ND	4TH	2ND	4TH	2ND	4TH	2ND	4TH	2ND	4TH	2ND	4TH	2ND	4TH	2ND	4TH	
<b>DISCUSSION ITEMS FOR REVIEW</b>																												
CONTEXT STATEMENT/CORE VALUES			★	●																								
COMMUNITY CONSIDERATIONS/OPPORTUNITIES			★	●																								
CRITICAL ISSUES			★	●																								
EVALUATION CRITERIA			★	●																								
VISIONING IDEAS			★	●																								
COMPONENTS AND DESIGN PARAMETERS					●		●		●																			
CONTEXT (SEGMENT DEFINITIONS)					■																							
ANALYSIS & SPECIFIC SAFETY RECOMMENDATIONS					■		●		●		●																	
<b>ROADWAY DEFINITION</b>																												
ROADWAY STRIPING OPTIONS							■		★	●		●																
ROADWAY ALIGNMENT OPTIONS							■		★	●		●																
ROADWAY WIDTH CONTEXT / FOOT BY FOOT							■		★	●		●																
ROADWAY WIDTH SCENARIOS							■		★	●		●																
SH 103 INTERCHANGE / FOCUS AREA 1										■	★	●		●														
WIDENING MEDIAN VS. MOUNTAIN / FOCUS AREA 2												■	★	●														
EMPIRE JUNCTION/ FOCUS AREA 3													■	★	●													
CORRIDOR SAFETY TOOLS											★																	
ACCELERATION & DECELERATION LANES												★																
SIGNAGE/ATM																										★		
CR 314																										★		
<b>INTEGRAL COMPONENTS</b>																												
TRANSIT/PARKING																												
TURN-OUT LOCATIONS/EMERGENCY RESPONSE											★																	
GREENWAY											★		★		★													
DRAINAGE																												
AESTHETICS REVIEW																												
SNOW AND SAND REMOVAL																												
CONSTRUCTION CSS																												
PUBLIC INFORMATION																												
WILDLIFE MOVEMENT (ALIVE MEETINGS)																												
INDUCED/LATENT DEMAND																												
ENFORCEMENT AND TRUCK OPERATIONS																												
NOISE/AIR QUALITY																												
ROD COMPATIBILITY																												
SUMMARY OF IMPACTS AND MITIGATION																											★	
PROJECT BRANDING / REBRANDING																											★	

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

Start NEPA Analysis

Finalize CSS Project Design I-70 Cycle and NEPA



# OUTCOMES FROM ISSUE TASK FORCE MEETINGS

➤ **ALIVE MEETING SUMMARY**  
**JANUARY 18, 2018**



**FOLLOW UP**

➤ **TRAFFIC OPERATION PROJECTIONS**

- **Traffic growth constrained by capacity at EJMT**
- **Opening day operations need to encompass 4 hours on Friday afternoon, 4 hours on Saturday morning and 4 hours on Sunday**
- **Traffic analysis shows this grows by 1 hour in 2035 to 5 hours each day**

➤ **FOCUS AREA 1 MATRIX**



# DISCUSS PROPOSED SOLUTIONS

➤ **FOCUS AREA 2**

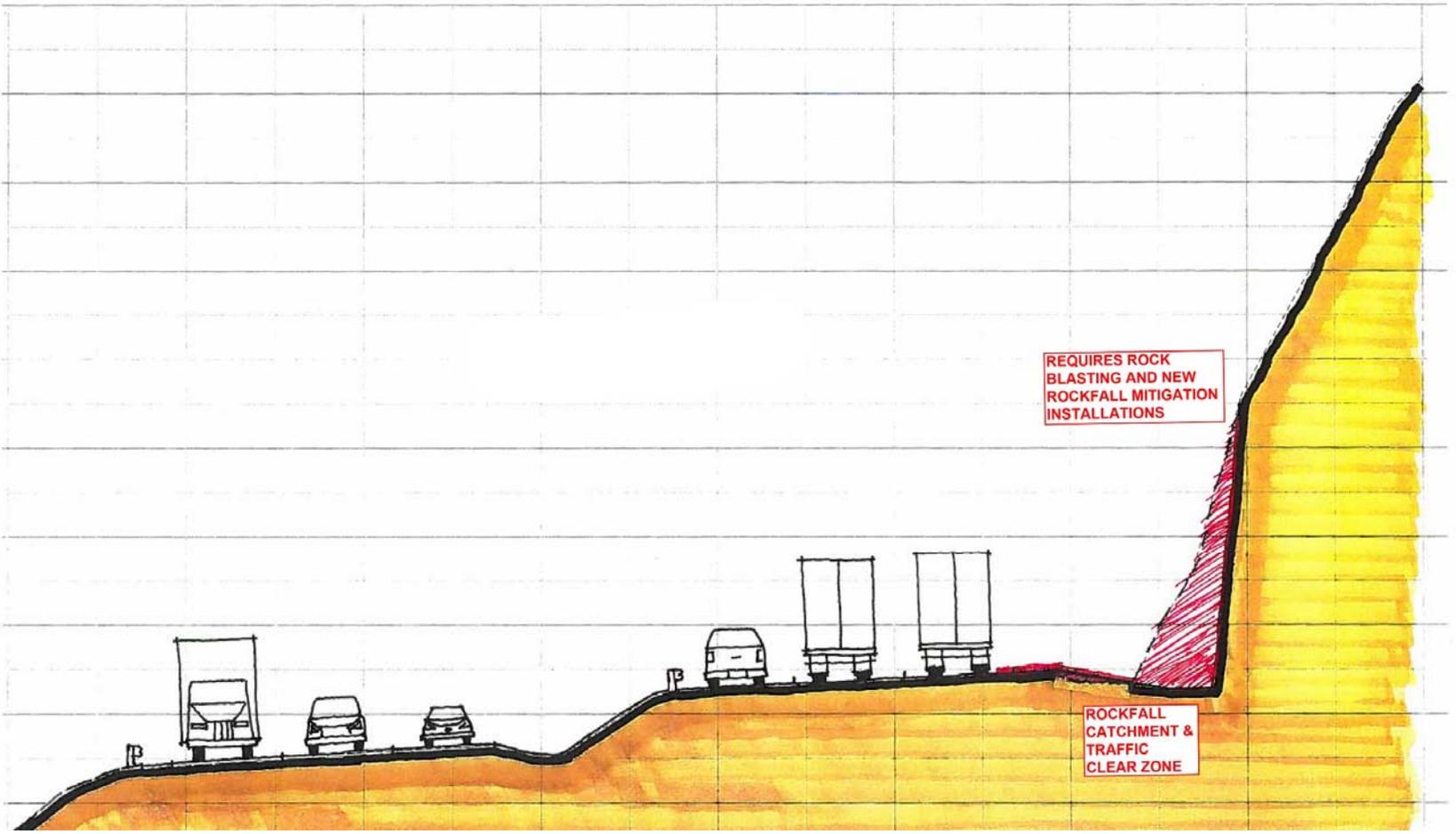
✓ **Mountain vs. Median Decision**

**Locations**

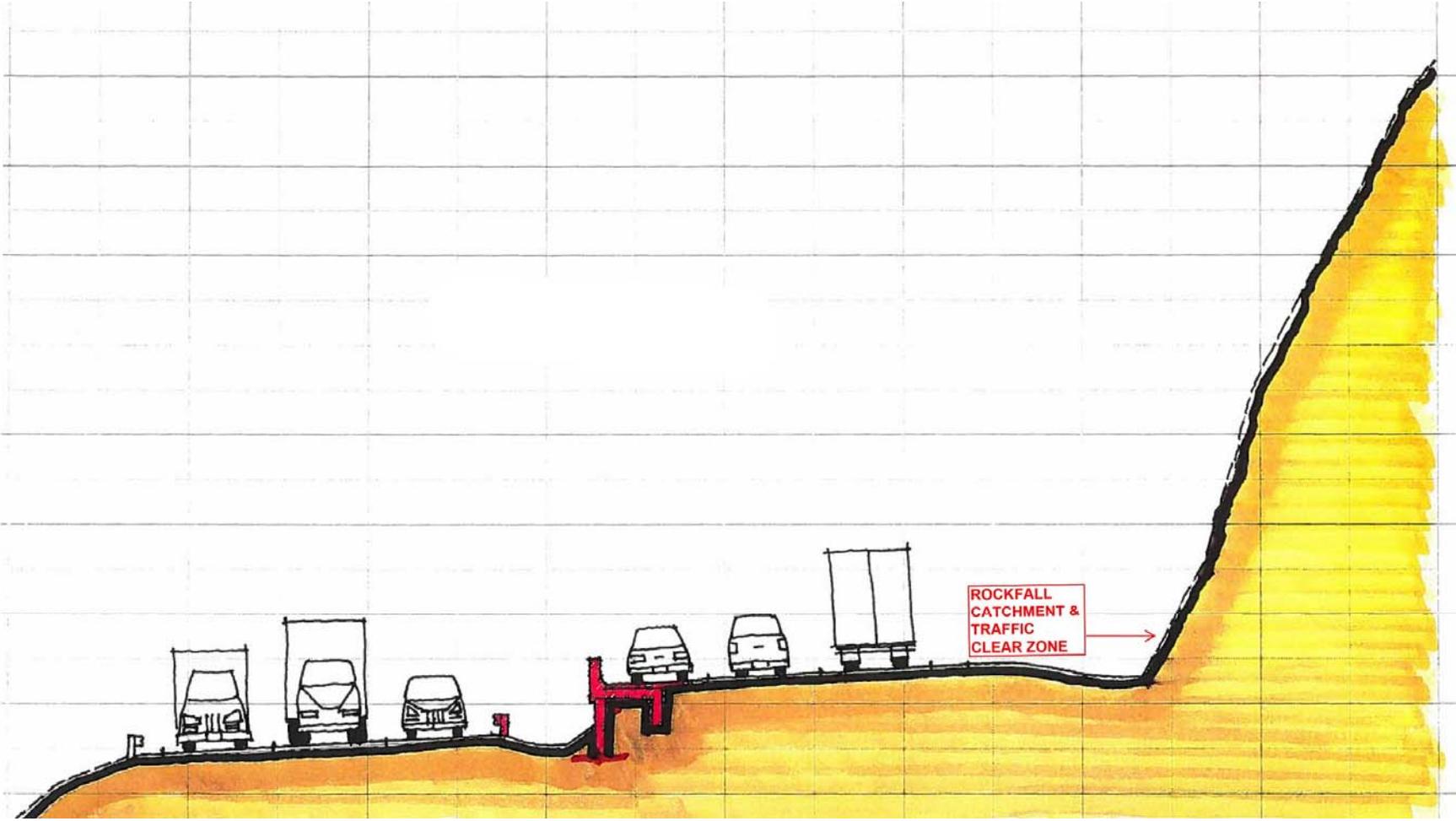
✓ **Median Wall**



# DISCUSS PROPOSED SOLUTIONS



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➤ **ROCKFALL TOOLBOX**



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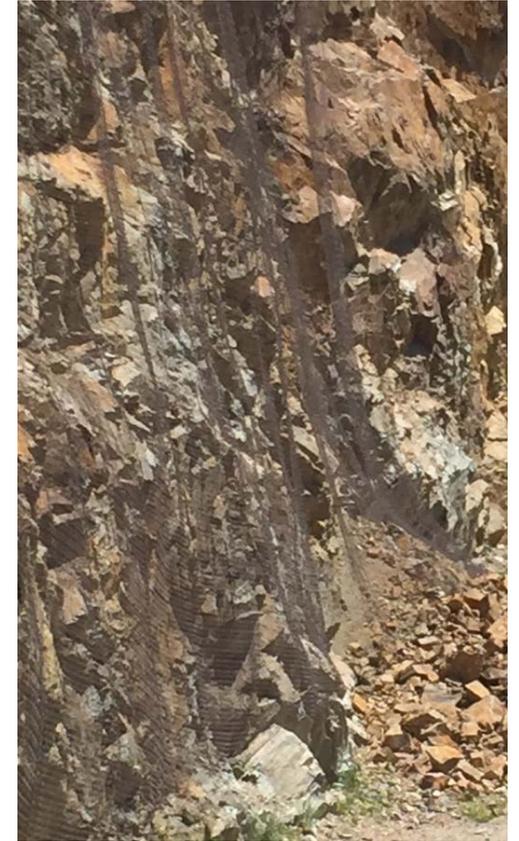
- **Freestanding wall**



- **Rock bolting**

## ➤ ROCKFALL TOOLBOX

- Mesh
- Fence



## ➤ **ROCKFALL TOOLBOX**

- **Rockfall landing area (catchment zone/area)**



- **SITE SPECIFIC CRITERIA**
  - **Define Options**
  - **Issue Specific Criteria?**





**NEXT STEPS**

➤ **PROCESS CHECK**

- **SAFETY TOOL BOX DESIGN**
- **CONCEPT RECOMMENDATION**
- **FUTURE MATRICES?**
- **ADDRESSING INTEGRAL**  
**COMPONENTS**



# **PARKING LOT ISSUES**

- **Better define CSS during construction**
  - **Improved communication**
  - **Improved traffic control**
  - **Improved safety**
  - **School District issues during construction**
- **Public Health issues**
- **Modeling projections vs actual impacts (i.e., air quality, noise, vehicular trips)**
- **Residential Historic District in Idaho Springs**
- **Project Branding / Rebranding (i.e., express vs. peak period shoulder lane) – February Meeting**
- **Broadband**
- **Variable Speed Limits**
- **Weigh Station Access**



## FUTURE TT MEETINGS

- 2<sup>nd</sup> and 4<sup>th</sup> WEDNESDAY of the month
- 9 am to noon
- CDOT Golden
- NEXT MEETING: February 14, 2018

