

Twin Tunnels Design/Construction Technical Team Meeting #17

**February 24, 2014
1:00 PM – 3:00 PM**

**CDOT Region 1
Golden, Colorado**



Agenda

1. Introductions
2. Agenda Review
3. Other Corridor Updates
4. Rock cuts and rockfall mitigation
5. Other Design Items
 - » Modifications to CBC east of tunnels
 - » Precast barrier in tunnel
6. Pre-construction briefing
7. Public Information

Step 1
Define Desired Outcomes
and Actions

Step 2
Endorse the Process

Step 3
Establish Criteria

Step 4
Develop Alternatives and Options

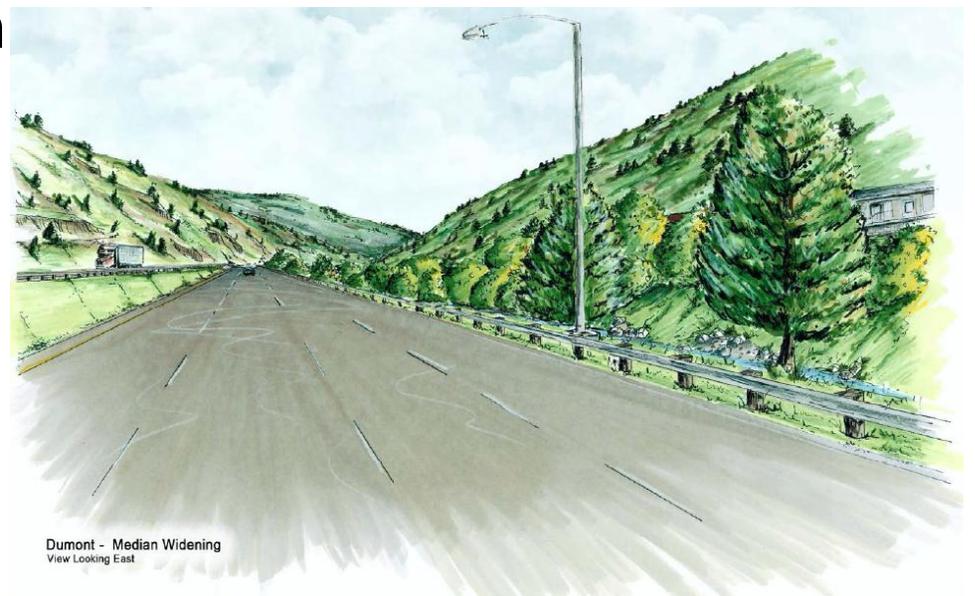
Step 5
Evaluate, Select, and Refine
Alternatives and Options

Step 6
Finalize Documentation and
Evaluation Process



Other Corridor Updates

- Peak Period Shoulder Lanes
- Traffic and Revenue Study
- RAMP project funds for Colorado Boulevard
- Clear Creek Transportation Visioning



Dumont - Median Widening
View Looking East

Core Values

- **Safety**
- **Mobility**
- **Gateway**
- **Wildlife**
- **The Creek**
- **Destination**
- **History**
- **Constructability**
- **Inclusivity**
- **Schedule**



Technical Team Interests for WB Expansion

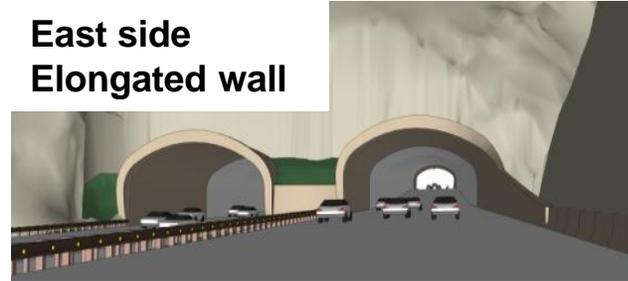
- **Tunnel Portals**

- » Recommended designs moving forward

West side
Two-tier wall



East side
Elongated wall



- **Rock Cut / Rockfall Mitigation - discussion today**
- **Landscaping – emailing renderings in Spring**

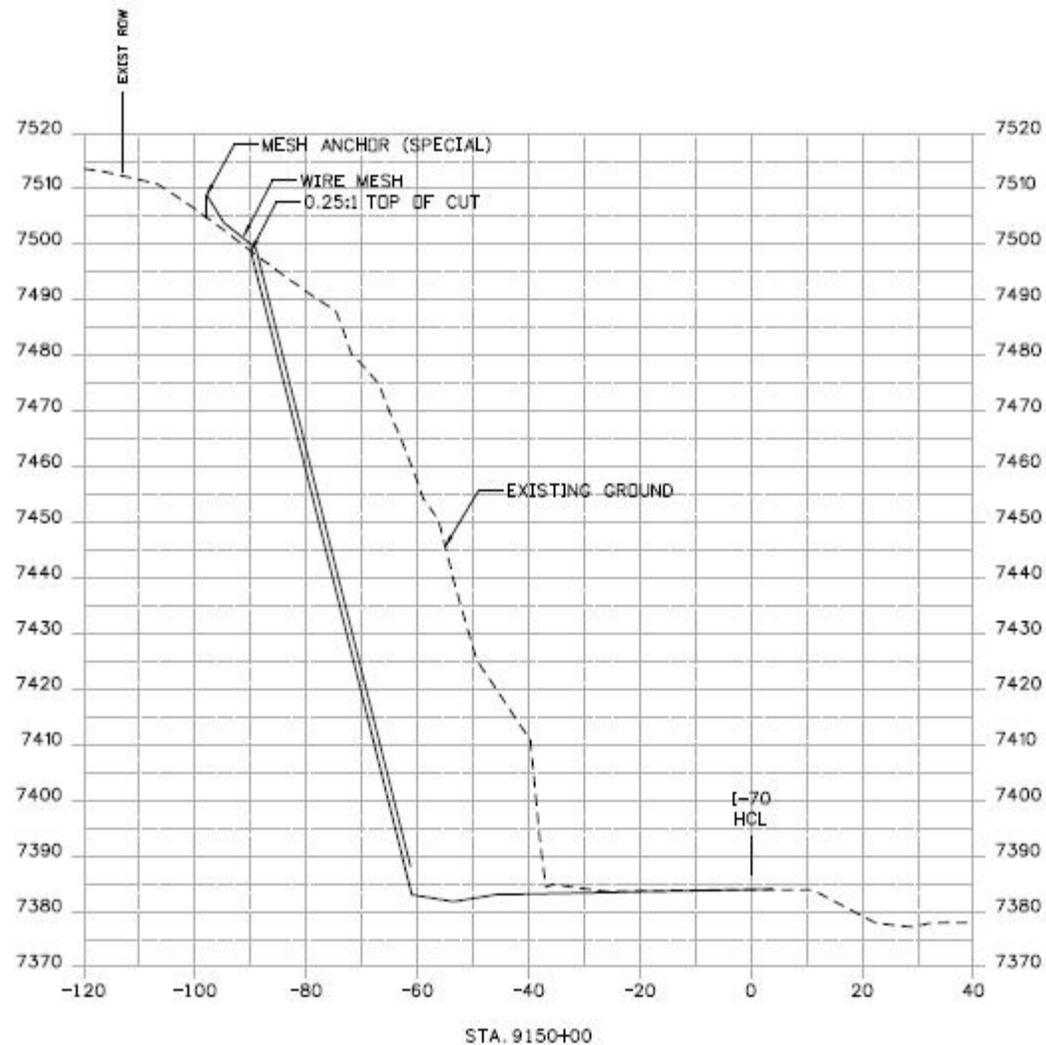
Eastern Portal estimated extent of rock cut area



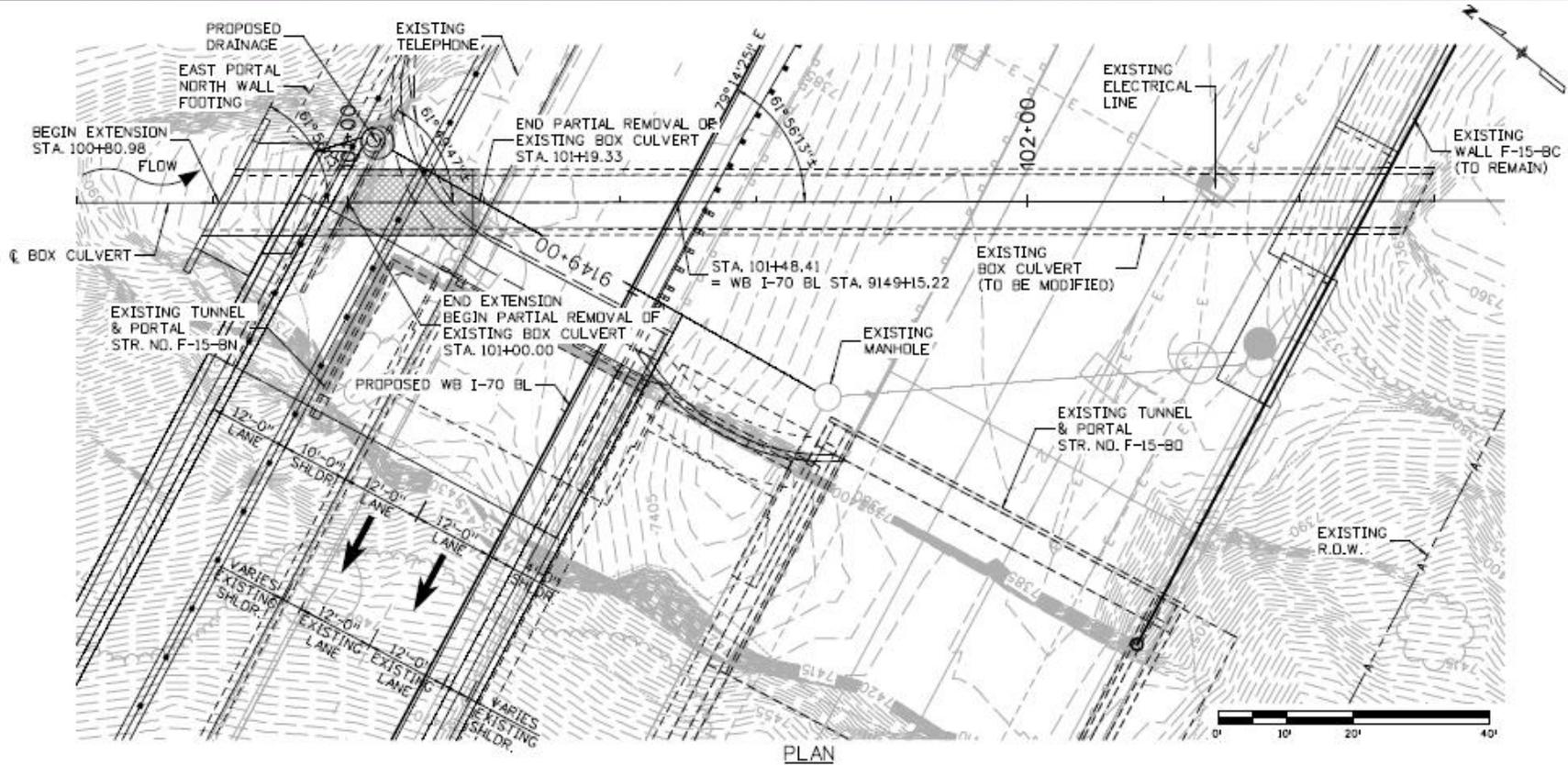
Western Portal estimated extent of rock cut area



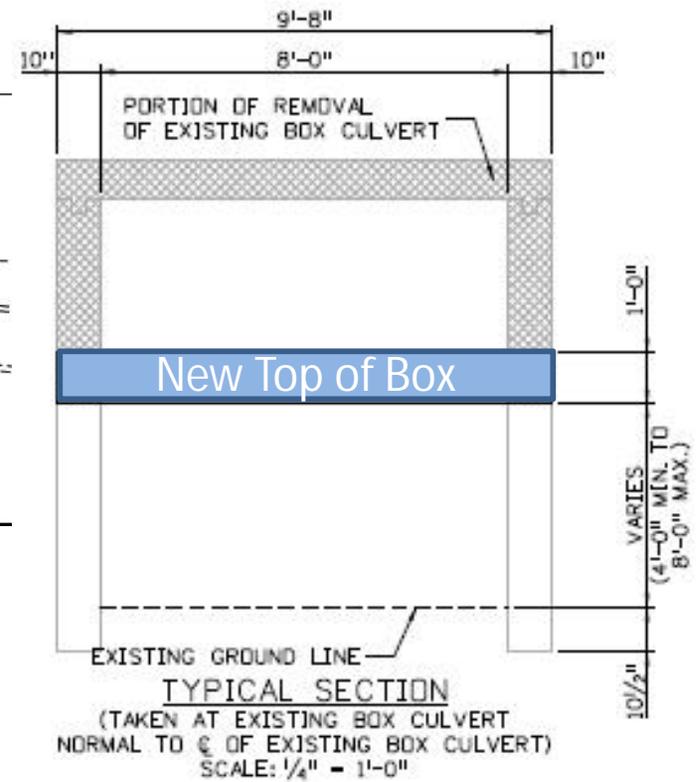
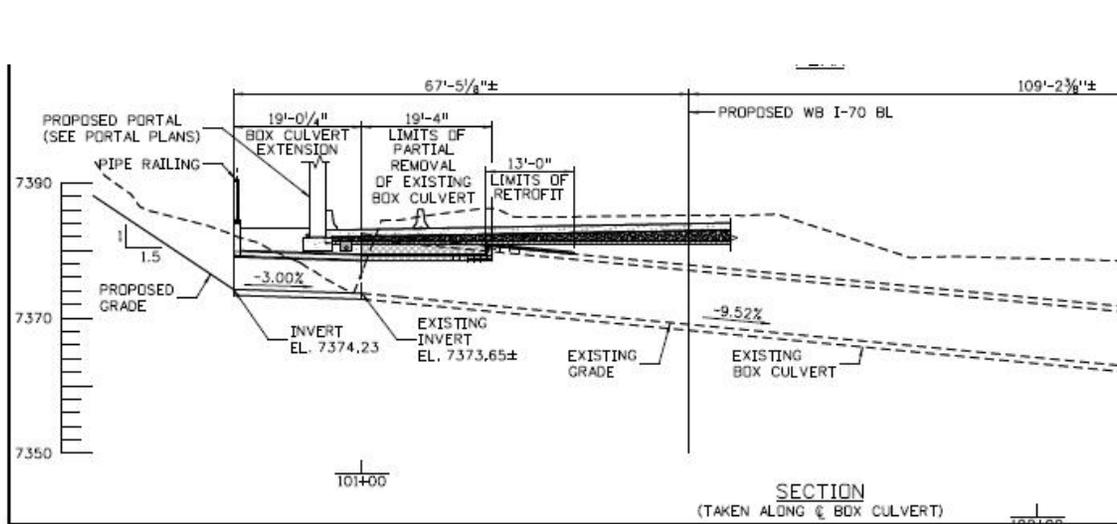
Eastern Portal Rock Cut Area



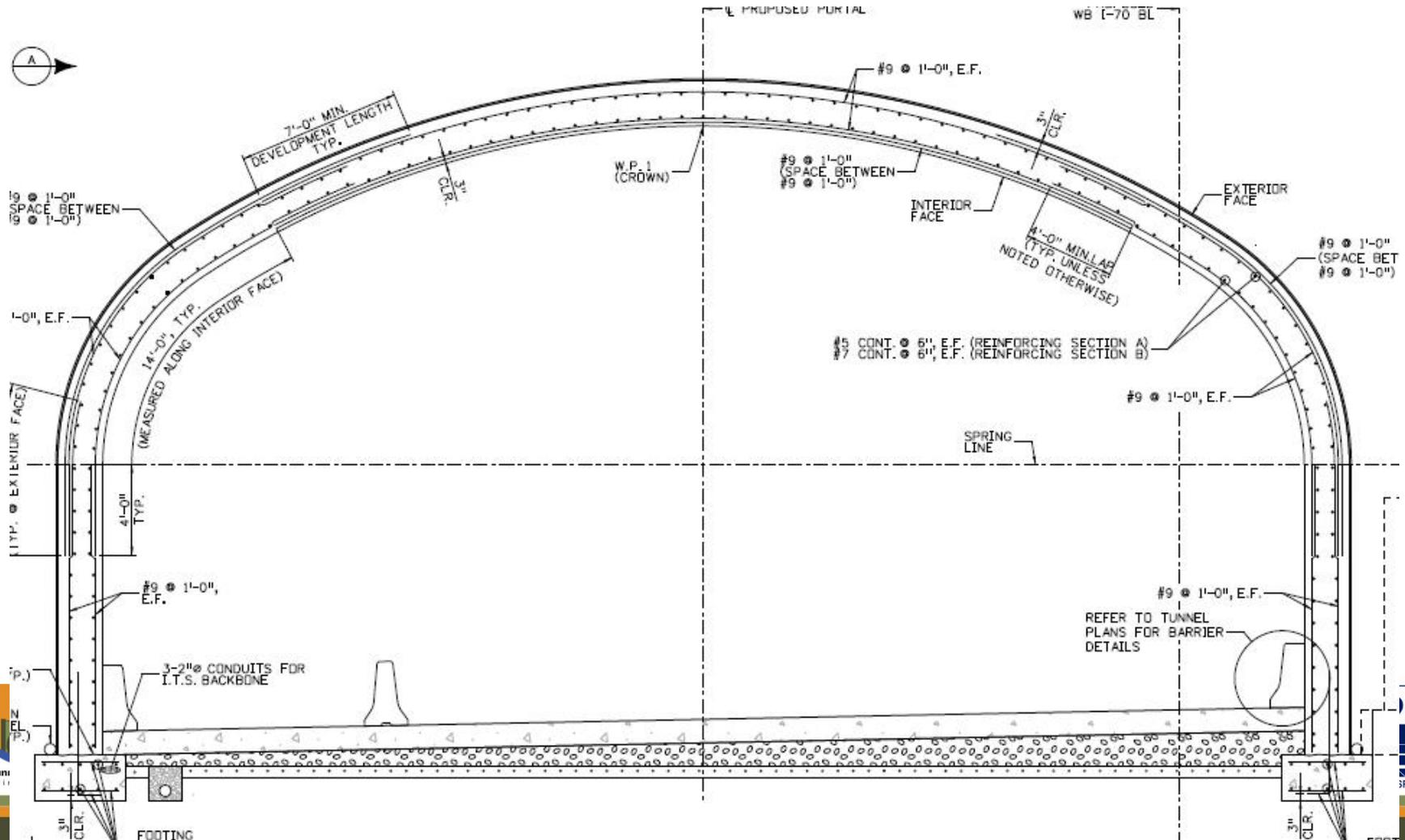
East side CBC Design



East side CBC Design



Precast Barrier in Tunnel

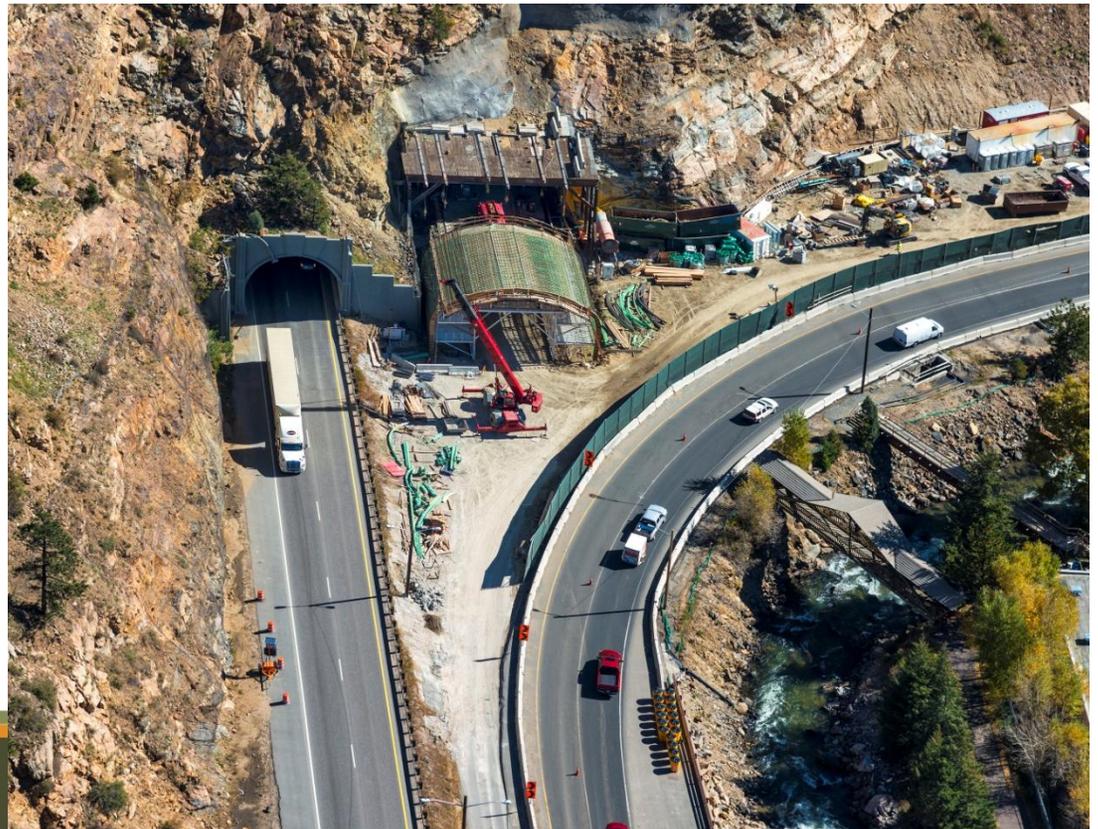


Precast Barrier in Tunnel



Construction Milestones

- EB Tunnel hole-through July 29, 2013 (blasting complete)
- Three Lanes EB opened on December 12, 2013
- Begin WB Construction activities early March
- Traffic expected back on detour April 1, 2014



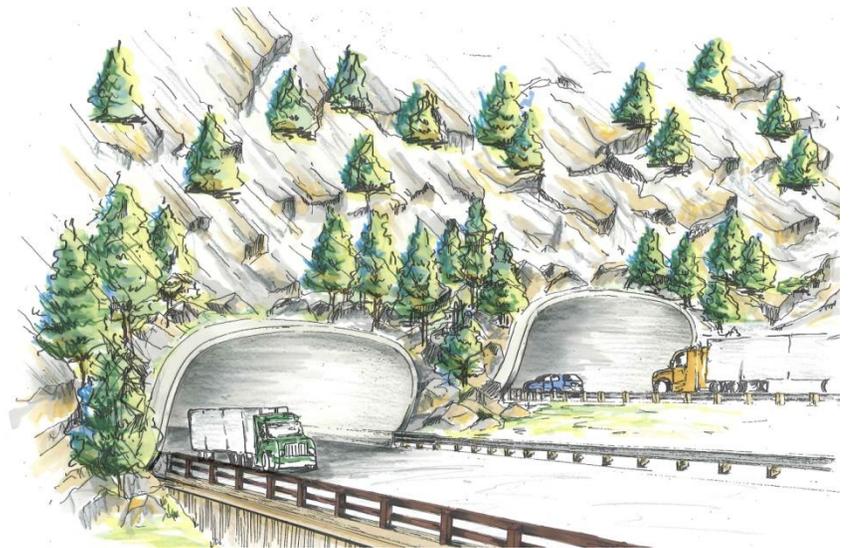
Tentative Remaining Twin Tunnels Schedule

2014

- January – March: EB and WB traffic on I-70, CR 314 remains closed
- April: EB I-70 traffic returns to detour, WB tunnel blasting begins
- April – December: WB tunnel construction

2015

- January – February: Mass grading of detour, haul road and trailhead area
- March – October: Trailhead, creek and riparian area improvements and CR 314 rock veneer construction



Public Involvement: What

- Project will widen the **westbound tunnel bore** to accommodate future I-70 improvements but it **will not add a third westbound lane**.



Public Involvement: Why

- This project will improve driver safety by removing rocks from above both tunnel portals, and when the project is complete, the wider, brighter tunnel entrance will help keep westbound I-70 traffic flowing better.
- Doing this project now rather than waiting will save an estimated \$5 million to \$7 million because the equipment, resources and detour needed to do the work are already in place.



Public Involvement re: Traffic

- Blasting on the two rock walls above the tunnel portals will have a greater impact than the EB tunnel project on I-70 traffic because:
 - » All motorists must be stopped for 30 minutes during blasting
 - » Westbound will have additional stoppages throughout the day while materials are cleared from the slopes
- Westbound I-70 travelers should allow extra time when traveling on I-70 this year.



Public Involvement: Outreach

- Updating the same hotline (303-327-4034) and website www.coloradodot.info/projects/i70twintunnels
- March 13th 7pm telephone town hall for residents in Clear Creek, Gilpin, Summit and Grand counties
- The week of March 17 we will convene the Communications Issue Task Force
- The week of March 24 we will invite the media to Idaho Springs for an overview of the project



END OF PRESENTATION

