



**COLORADO**

Department of Transportation

# Colorado Highway 7 (Lower) Public Meeting August 3, 2021



# Virtual Meeting Overview

- All participants are muted and videos will be turned off
- If you would like to ask a question, please type it in the chat box at the bottom of your screen
- Unfortunately, folks joining by phone will not be able to see the presentation or participate in polls.
- There will be a time for Q&A at the end
- This meeting will be recorded and posted to the website following the meeting



# Introductions



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# Agenda

- Project Purpose and Overview
- CM/GC Project Delivery
- Traffic Impacts
- Project Schedule
- Adjacent Projects



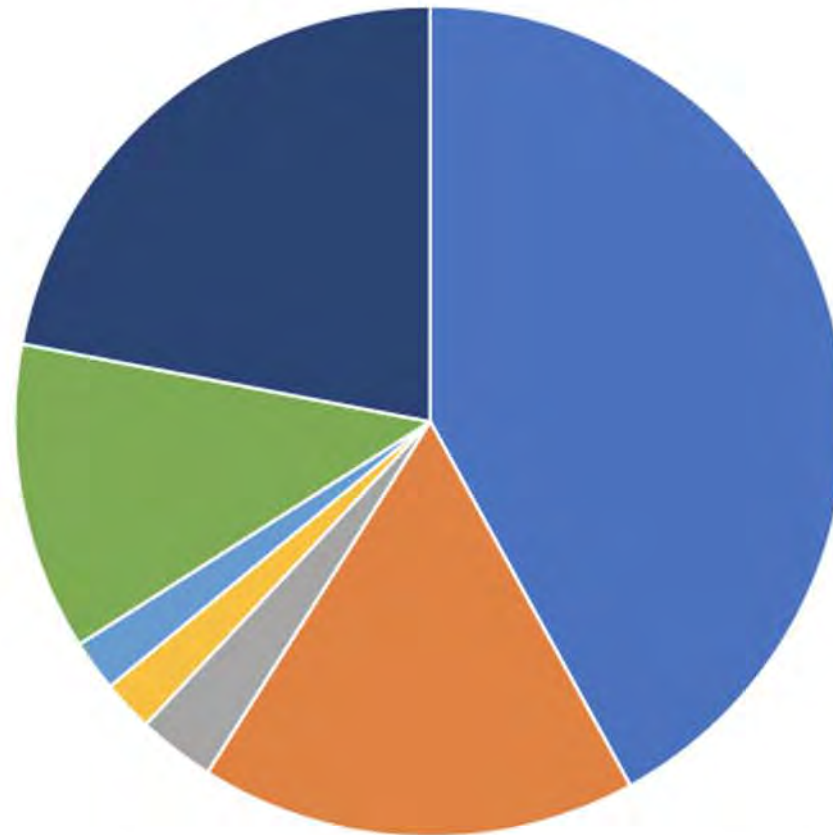
# Poll Question

- We want to get to know you! Please select the option that best describes you.



# February Meeting Attendees

February Attendees



■ Residents ■ Business Owners ■ Commuters ■ EMS ■ Elected Official ■ Recreationalist ■ Other



# CO 7 Lower Project Facts

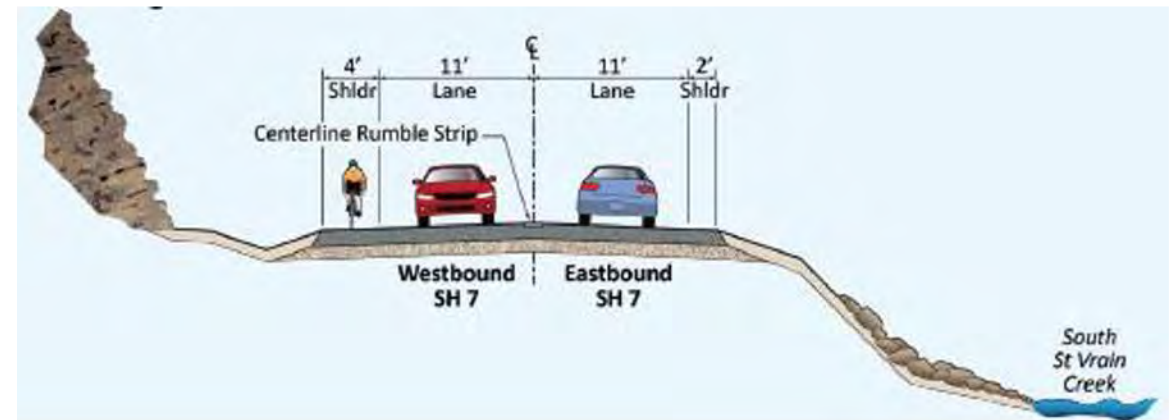
- CO 7 Lower Canyon Project (20252) is the last 2013 Flood repair project
  - Located in Boulder County, Raymond to Lyons (*Mile 19 to 33*)
- Project Goals
  - Maintain access during future flood events
  - Accommodate multi-modal transportation Options
  - Build a safe system
  - Work in harmony with ecologic river functions



# CO 7 Lower Project Overview

## Permanent Flood Repair Requirements and Expectations:

- Rebuild the foundation of the roadway.
- Widen the roadway shoulders wherever possible.
- Rehabilitate the river where rocks and material were removed during the Emergency phase.
- Build measures to provide vehicle access during future flood events
- Conduct minor rock scaling to reduce the risk of rockfall.
- Resurface existing pavement to repair damage from 2013.
- Minor guardrail improvements

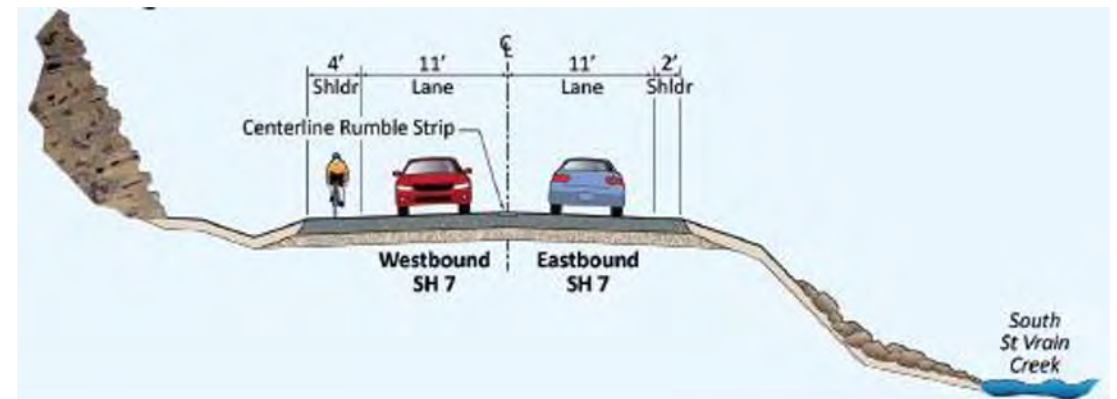






# Scope of Project

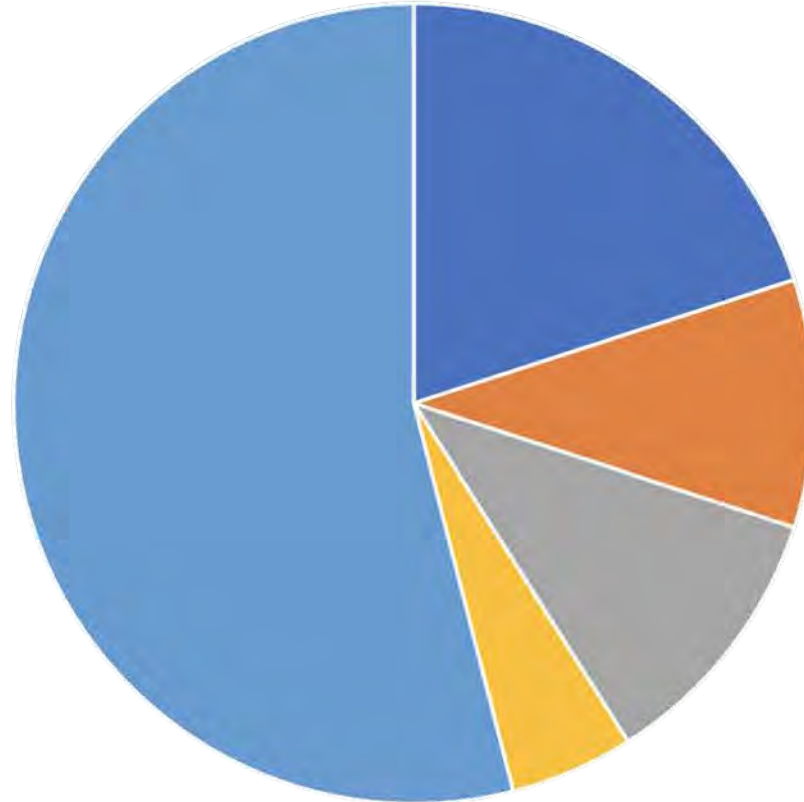
- Floodplain excavation along river to widen flood plain area during future flood events
- Shoulder widening to create bike access in uphill lane through project
- Rockfall mitigation, including hand scaling, wire mesh install and selective rock bolting
- Installation of 28 concrete drainage pipes
- Installation of rock armoring in 4 locations along roadway
- Rehabilitate the river to restore habitat and ecological functions
- Resurface roadway with new asphalt and replacement of roadway guardrail





# Recap on February Input

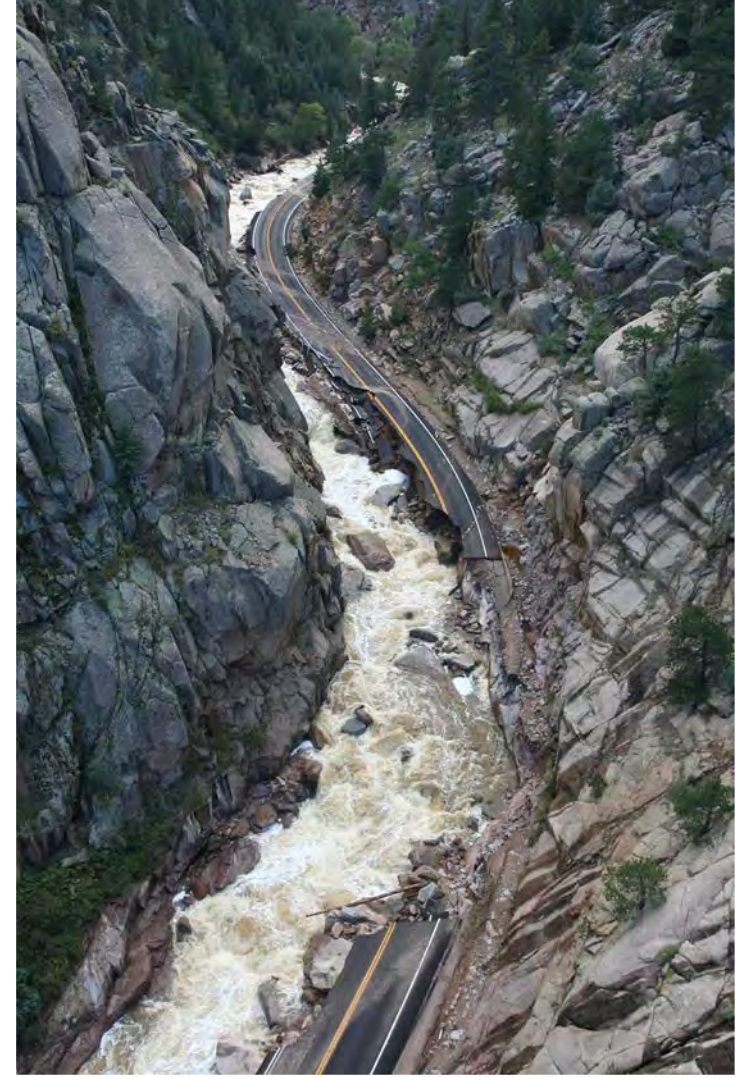
## Most Important Design Features (February Meeting)



- Widened Uphill Shoulder
- Pavement Improvements
- River habitat and ecological improvements
- Improved Emergency Access
- All of these



# CO 7 Lower Project Overview





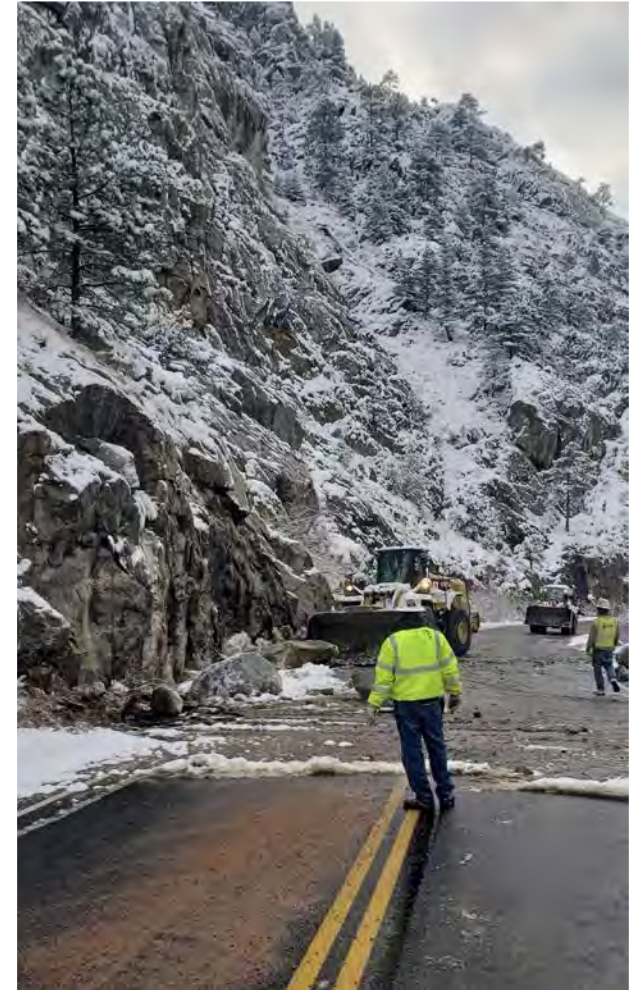
# CO 7 Lower Project Overview







- Alternative Delivery Project (CM/GC) Innovations
  - Construction Cost Reduction of \$22 million
  - Material Import/Export Reduction of 83,600 cubic yards
  - Reduced environmental impacts:
    - Heavy Haul VMT Reduction = 492,400 miles
    - GHG Emissions Reduction (Total CO<sub>2</sub>) = 1,270 metric tons





# Stakeholder Outreach and Support

- Boulder County
- Boulder Co. Parks & Open Space
- Estes Park
- Longmont
- Lyons
- First Responders (Law, Fire & Rescue)
- St. Vrain School District
- CO Parks & Wildlife
- CO Water Conservation Board
- U.S. Forest Service
- U.S. Army Corps of Engineers
- U.S. Fish & Wildlife Service
- U.S. Postal Service

- Trout Unlimited
- Cycling Groups
- Watershed Coalition
- Water users
- Boulder County & CDOT Road Maintenance/Snow Plows





# Public GIS Map

Operates on mobile devices without cell service!

<https://arcg.is/1TPa5K1>

The screenshot displays the ArcGIS Online interface for a map titled "CDOT 20252 SH7 Lower Basemap". The map shows a satellite view of a river area with various rehabilitation design features overlaid. A prominent red line indicates the "CalWood Fire Perimeter". Other features include "River Rehab - Design (lines) 100pct" with sub-layers for "Irregular Toe" (dashed purple), "Large Woody Material" (solid brown), and "Thalweg Trace" (dashed cyan). Another group, "River Rehab - Design (poly) 100pct", includes "Pool PiP" (yellow), "Pool Type A" (teal), "Pool Type B" (orange), "Pool Type C" (red), "Habitat Boulders" (grey), and "Riffle" (light blue). The map also features elevation points labeled with values such as 26.3, 26.4, 26.5, 26.6, 26.7, 26.8, 26.9, 27.0, 27.1, 27.2, 27.3, 27.4, 27.5, 27.6, 27.7, 27.8, 27.9, 28.0, and 28.1. The interface includes a left sidebar with navigation options like "Add", "Layers", "Tables", "Basemap", "Charts", "Legend", "Bookmarks", "Save", "New map", "Open map", "Map properties", "Hide interface", and "Share map". A right sidebar contains tool options such as "Properties", "Styles", "Filter", "Clustering", "Configure pop-ups", "Configure fields", "Labels", "Configure charts", "Search", "Measurement", "Directions", "Location", and "Edit". The user's name, "Brian Varrella varrellab", is visible in the top right corner.





# Traffic Impact Timeline

- September 2021 - Memorial Day 2022
  - Full closure between Mile Points 23-29
  - Morning and evening “scheduled openings” for all traffic
    - 6-8 a.m. and 4-7 p.m. 7 days a week
  - Pilot car operations will maintain safe operations.
  - School buses will get through on time.
  - Emergency responder access will be maintained at all times.
- After Memorial Day 2022
  - Minimized traffic impacts
  - Single-lane closures
  - Intermittent delays through Fall 2022

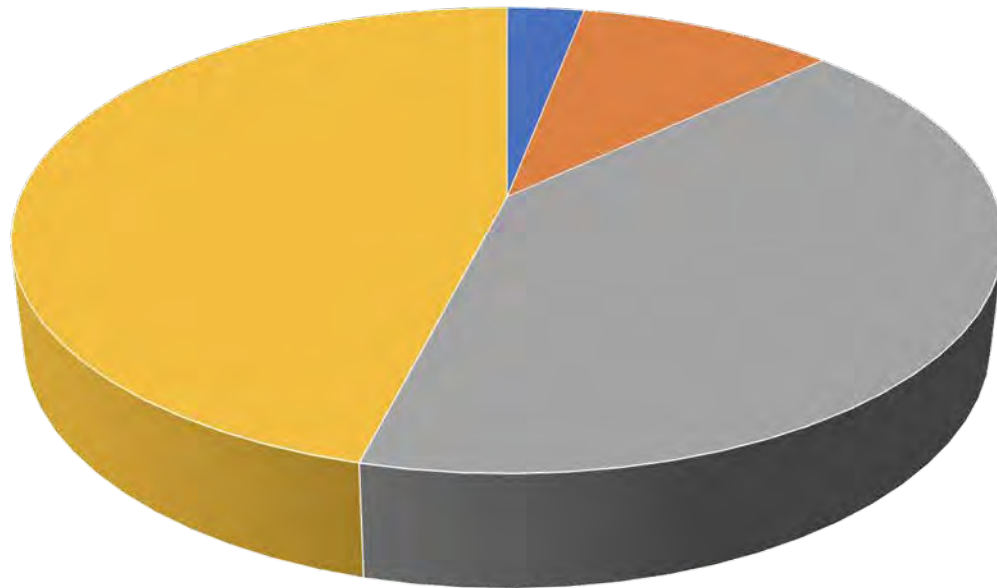


The full closure start date will be announced at least two weeks in advance.



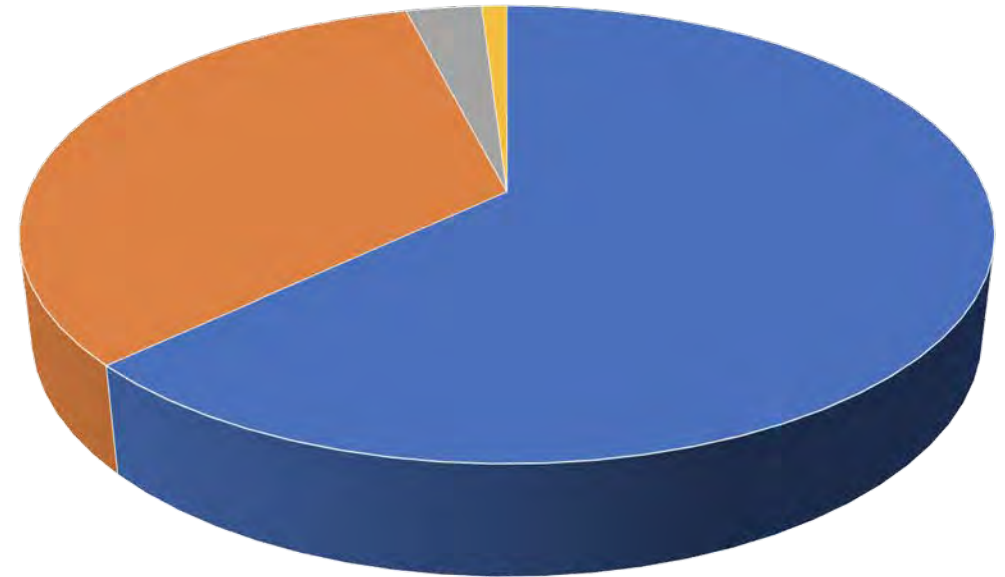
# Closure Planning

### Preferred Morning Travel



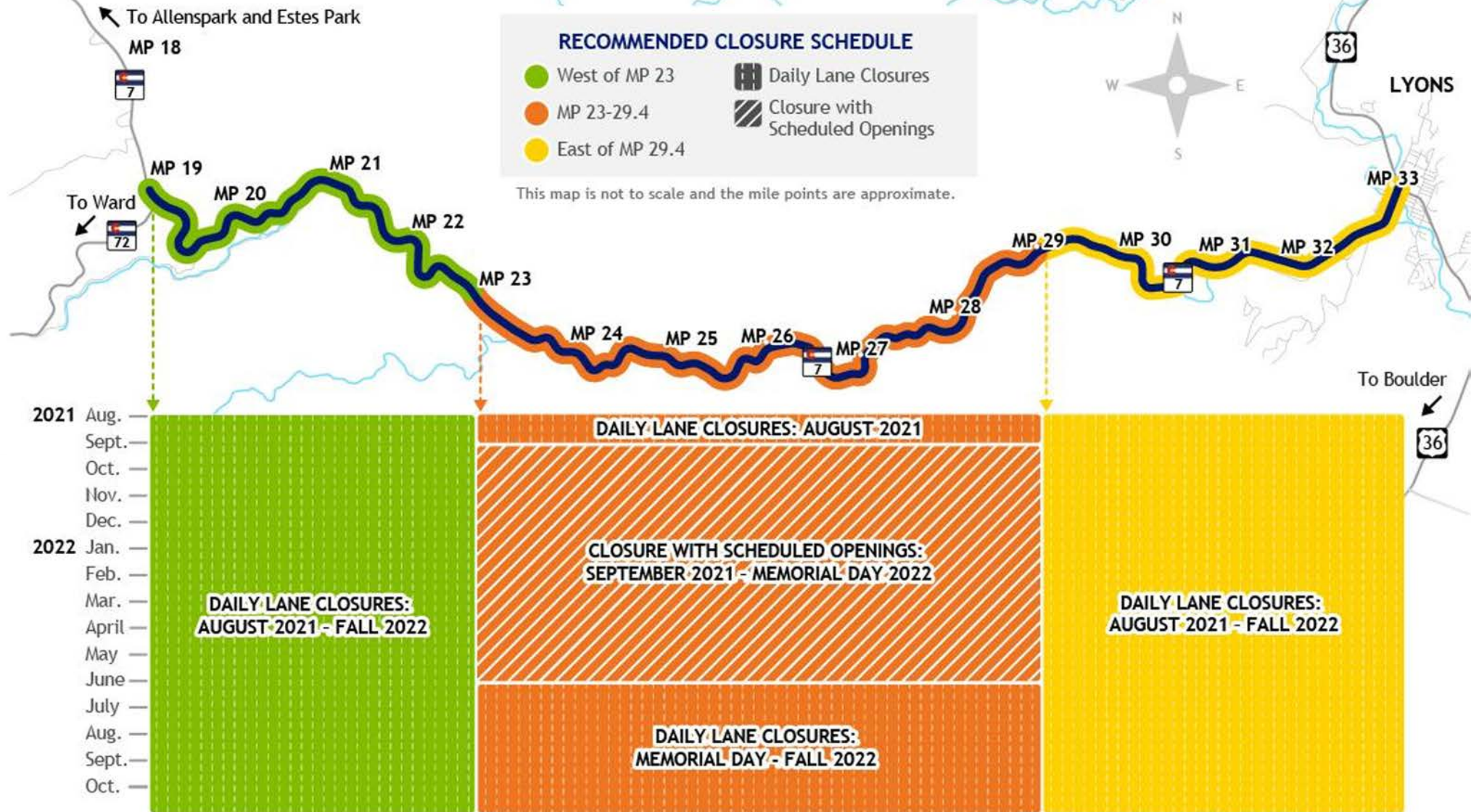
■ 5-6 a.m. ■ 6-7 a.m. ■ 7-8 a.m. ■ 8-8:30 a.m.

### Preferred Evening Travel



■ 4-5 p.m. ■ 5-6 p.m. ■ 7-8 p.m. ■ 8-9 p.m.

# Colorado Highway 7 (Lower) Project Map



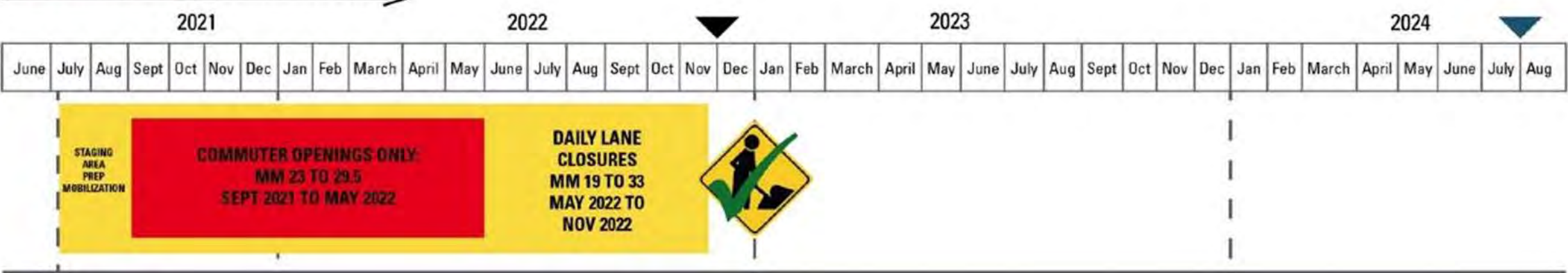
Colorado Highway 7 will be open to all traffic for Labor Day and Memorial Day weekends.

\*Cycling access closed from September - Memorial Day



# Project Schedule

## RECOMMENDED COMMUTER OPENINGS



## R4 LANE CLOSURE



THERE COULD BE UP TO 2-3 STOPS IN THE CORRIDOR, POTENTIAL FOR 40 MIN. DELAYS DURING THE ORANGE TIME FRAME.

There is a potential for delays during the yellow closure time frames.



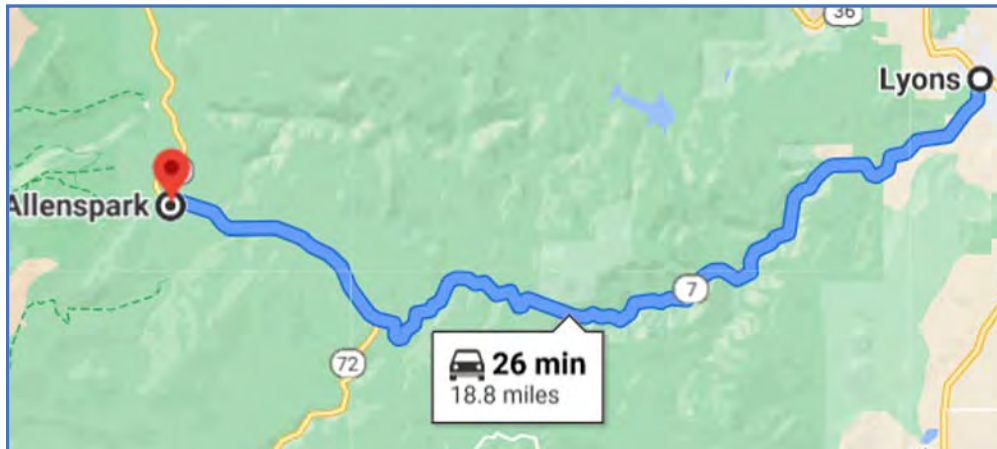
Potential for unpredictable 40 minute delays



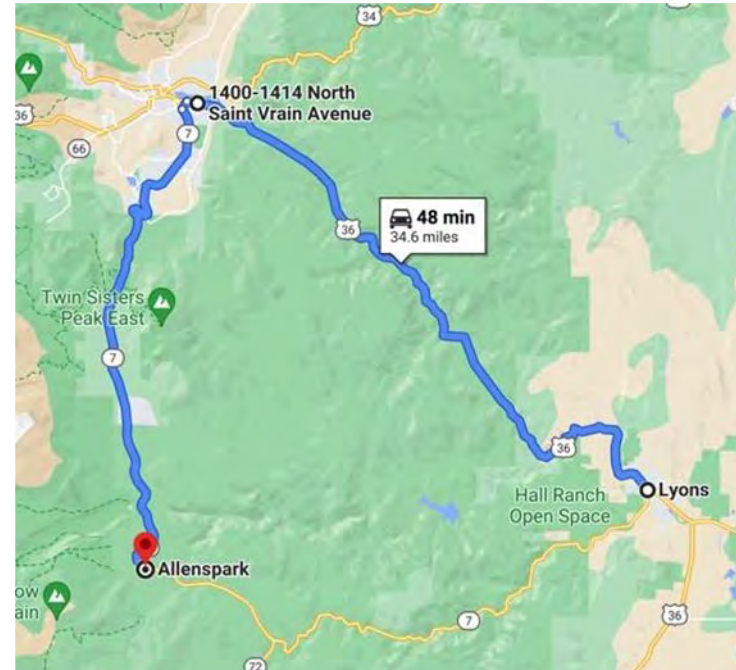
# Detour Routes

## Lyons to Allenspark

Standard Route = 26 minutes



Alternate Route = 48 minutes  
(adds 22 minutes travel time)

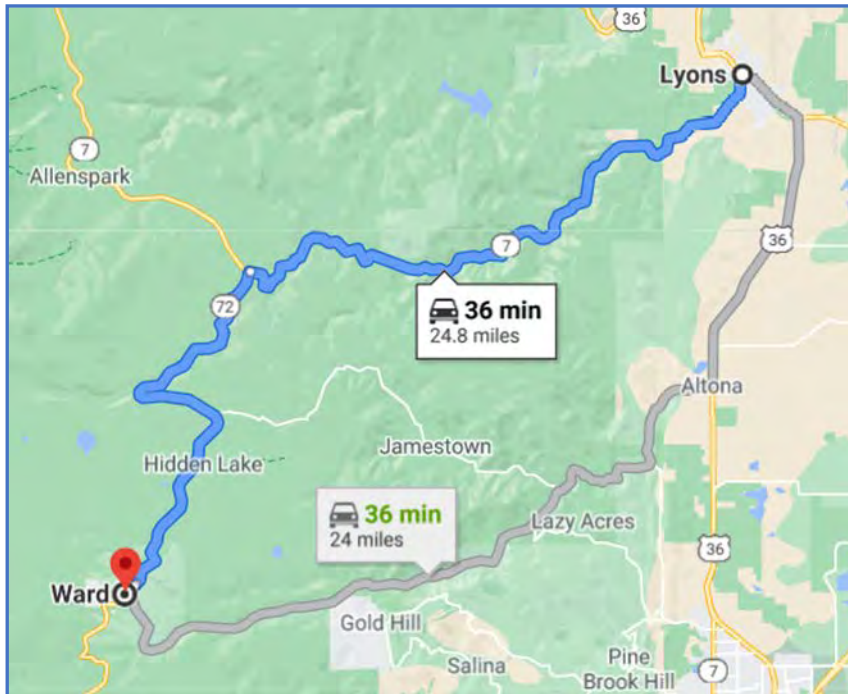




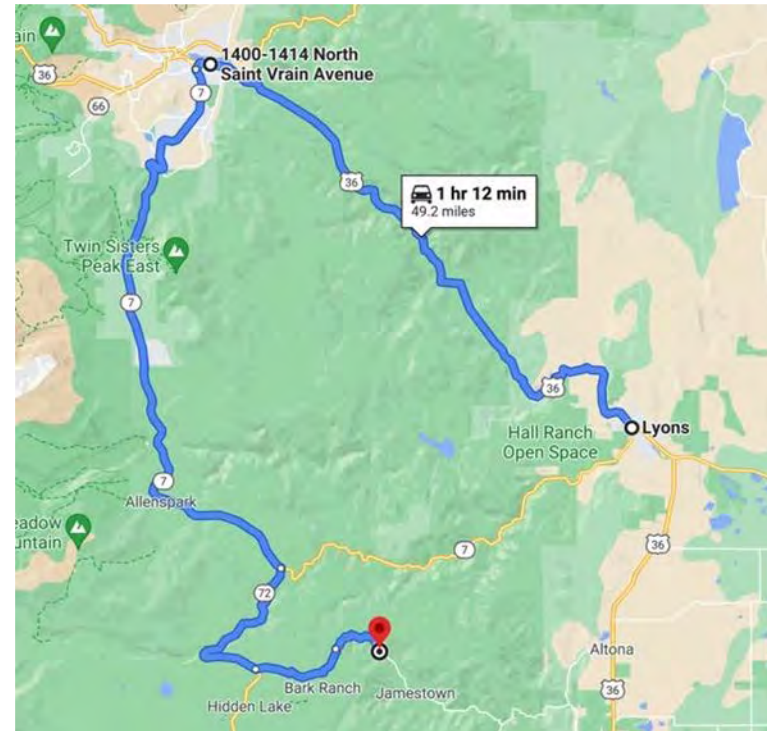
# Detour Routes

## Lyons to Ward

Standard Route = 36 minutes



Alternate Route = 72 minutes  
(adds 36 minutes travel time)

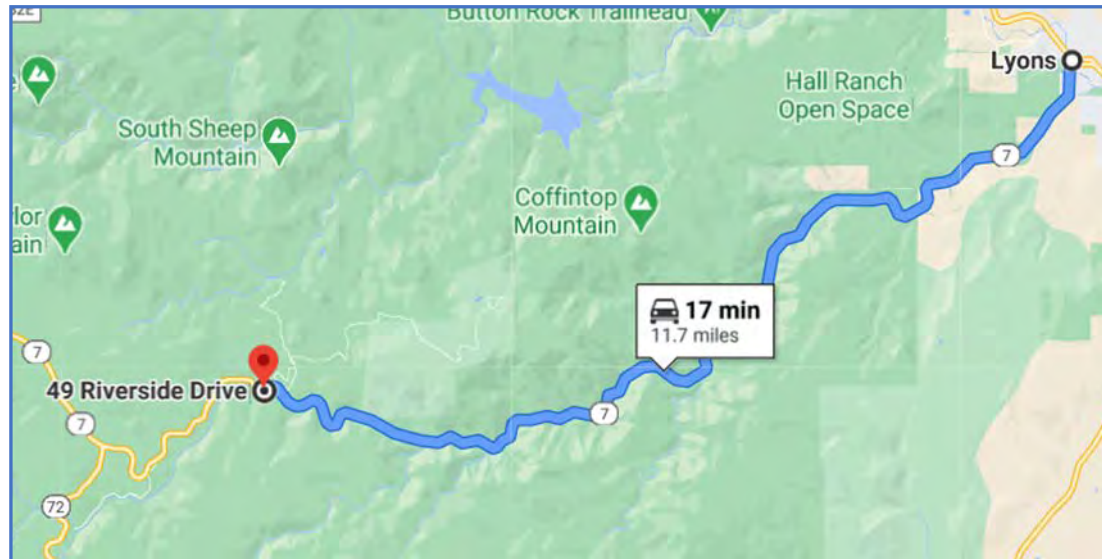




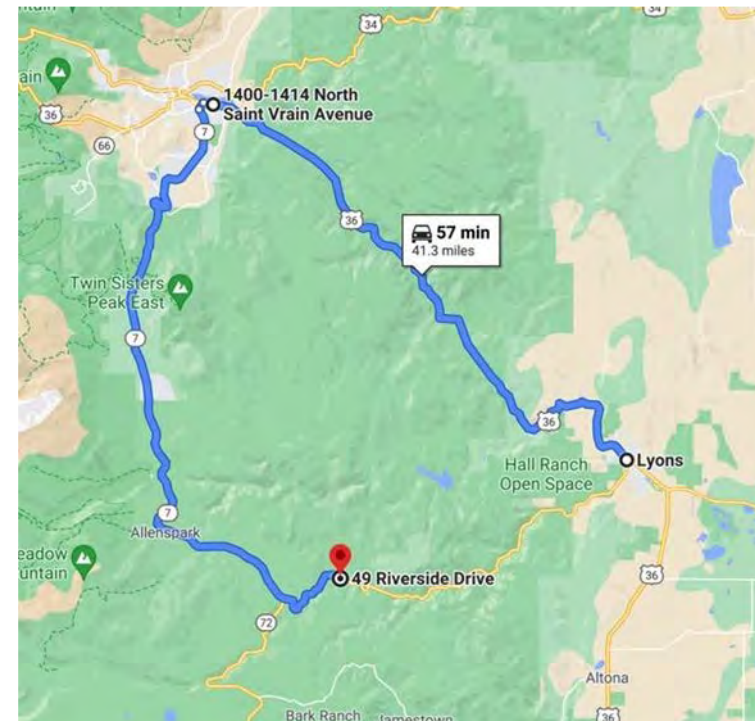
# Detour Routes

## Lyons to Riverside Drive residences

Standard Route = 17 minutes



Alternate Route = 57 minutes  
(adds 40 minutes travel time)





# Poll Question

- How do you plan to navigate the closure?





# Recreational Activities



## Bicycling, Hiking and Climbing

- The canyon between MP 23-29 will be closed to recreation and detours around the canyon will need to be used.
- Access to specific trailheads will remain open from Lyons:
  - Picture Rock trailhead will remain open
  - Hall Ranch will remain open

## Fishing and Kayaking

- Fishing and kayaking within the South St. Vrain Creek will be unavailable during construction.



# Emergency Responders Coordination

- The project will coordinate access for all stakeholder agencies, when needed
- All fire, law and rescue services will be granted access in all emergencies
- Finalizing Communication protocols
- Staff on-call 24/7 for emergency access
- Working with Calwood Fire Recovery team
- GIS map; <https://arcg.is/1TPa5K1>





# Adjacent Projects

PROJECT	COMPLETION DATE	MORE INFORMATION
Colorado Highway 119	COMPLETE	<a href="https://www.codot.gov/projects/co-119-boulder-canyon-improvements">https://www.codot.gov/projects/co-119-boulder-canyon-improvements</a>
Colorado Highway 72	COMPLETE	<a href="https://www.codot.gov/projects/archived-project-sites/co-72-coal-creek-canyon-1">https://www.codot.gov/projects/archived-project-sites/co-72-coal-creek-canyon-1</a>
US 36 Mile Post 8	COMPLETE	<a href="https://www.codot.gov/projects/floodrelatedprojects/us-36-lyons-to-estes">https://www.codot.gov/projects/floodrelatedprojects/us-36-lyons-to-estes</a>
US 36 Safety Improvements	September 1, 2021	Website not available (private contractor)
Lyons Quarry Reclamation	February 2022	<a href="https://www.bouldercounty.org/open-space/management/lyons-quarry-reclamation/">https://www.bouldercounty.org/open-space/management/lyons-quarry-reclamation/</a>



# Poll Question

- Which communication methods would you use the most often to receive project update information?



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# Thank you for your participation!

- To learn more about this project, please visit <https://www.codot.gov/projects/co7>
- To sign up for weekly emails, please send your email address to: [CO7info@kiewit.com](mailto:CO7info@kiewit.com)
- Project hotline: 720-912-8870
- Project text alerts, please text CO7UPDATES to the number 21000
- Boulder County emergency alerts, go to [BoCo911alert.com](https://www.bocounty911.com)



Questions?

