



# North Area Transportation Alliance Board Meeting

September 30, 2021



THE WORLD NEEDS NATA



# Agenda



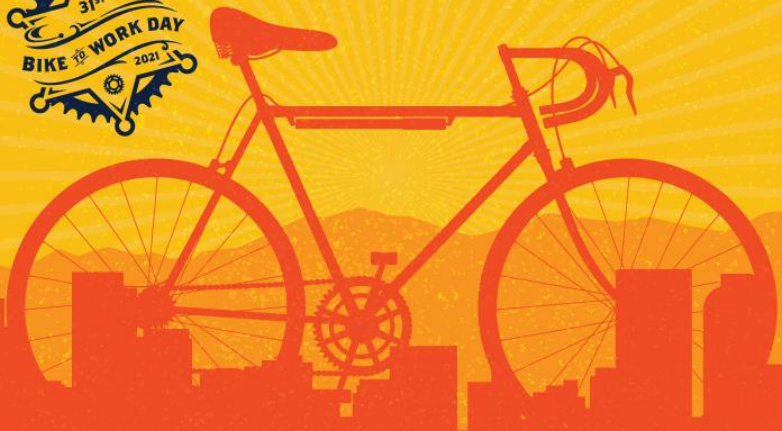
- Welcome - Chair Jessica Sandgren – Thornton Mayor Pro Tem
- Approval of August 26, 2021 NATA Meeting Minutes
- Reminder: Updates due for NATA's Priority Projects List – action item for October meeting
- Smart Commute Updates:
  - Bike to Work Day Report
  - North Metro Commuter Survey
- RTD Directors' Reports - Directors Buzek, Cook, Davidson, Guissinger, Whitmore
- Front Range Passenger Rail Special District Update – Jim Souby, Chair
- CDOT Update on Eisenhower Johnson Memorial Tunnel SB260 Action Plan – Steve Harelson, CDOT Chief Engineer
- Federal Infrastructure Bill Update – Andres Carrera, Denver Metro Regional Director for Senator Hickenlooper
- Brief update on CDOT GHG Rulemaking

Please sign in using the chat box



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# BACK IN THE SADDLE



## BIKE TO WORK DAY

WEDNESDAY, SEPTEMBER 22, 2021



Register now. [biketoworkday.co](http://biketoworkday.co)  

Presented by the Colorado Department of Transportation's Bicycle and Pedestrian Program, the Federal Highway Administration and the Denver Regional Council of Governments.







# North Metro Commuter Survey



1,232 Individual Survey Results

Participation from:



ETRP Analysis following each data collection



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**COLORADO**  
Department of Transportation

# NATA Update

September 2021



# Recent Accomplishments & 2021-22 Work Plan

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- ✓ Long term vision
  - ✓ Environmental review
  - ✓ Ridership modeling
  - ✓ Conceptual cost estimating
  - ✓ Conceptual engineering
  - ✓ Preliminary Alternatives Analysis
  - ✓ Funding and finance analysis
  - ✓ Stakeholder engagement
- Southwest Chief Thru-Car Alternatives Analysis - Complete Summer 2022 (est)
  - FRPR Rail Simulation Modeling and Preliminary Service Development Planning - Complete Winter 2023 (est)
  - Transition from Rail Commission to District (SB 21-238)
  - Partnership opportunities with RTD and Amtrak



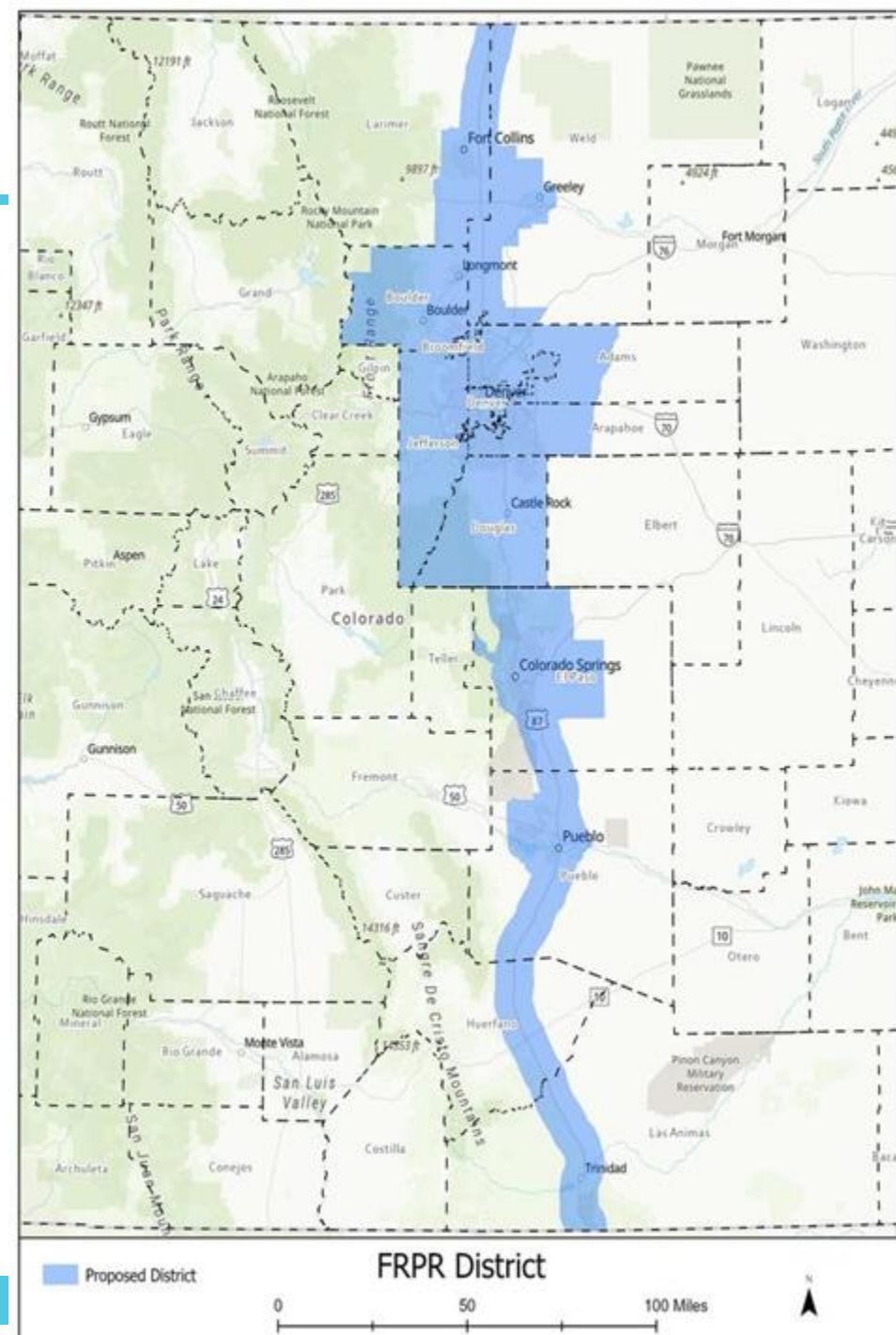
# SB 21-238: Rail District

## Powers:

- Finance, Design, Construct, Operate, Maintain Passenger Rail
- Check and Balances

## Representation:

- 10 MPO/COG Representatives
- 6 Governor's Appointees
- One Director Appointed by CDOT Executive Director
- Non-Voting Members: BNSF Railway, Union Pacific, Amtrak, RTD, I-70 Mountain Corridor Coalition, Wyoming, New Mexico



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# SB 21-238: Rail District

## Next Steps:

12/01/2021 – RTD, CDOT, Railroad and I-70  
Coalition appointees selection  
deadline

03/01/2022 – MPO/COG appointee selection  
deadline

04/01/2022 – Governor appointee selection  
deadline

05/15/2022 – First Board meeting deadline

Pre-Ballot Measure –Service Development Plan  
Operating Plan  
Financial Plan







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# Eisenhower Johnson Memorial Tunnels

## SB 260 Stimulus Action Plan Summary



# EISENHOWER MEMORIAL TUNNEL

## CONSTRUCTION INFORMATION

FIRST TUNNEL OPEN MARCH 8, 1973

LENGTH FIRST TUNNEL 8,941 FT

SECOND TUNNEL OPEN DECEMBER 21, 1979

LENGTH SECOND TUNNEL 8,960 FT

TUNNEL PROJECT TOTALS

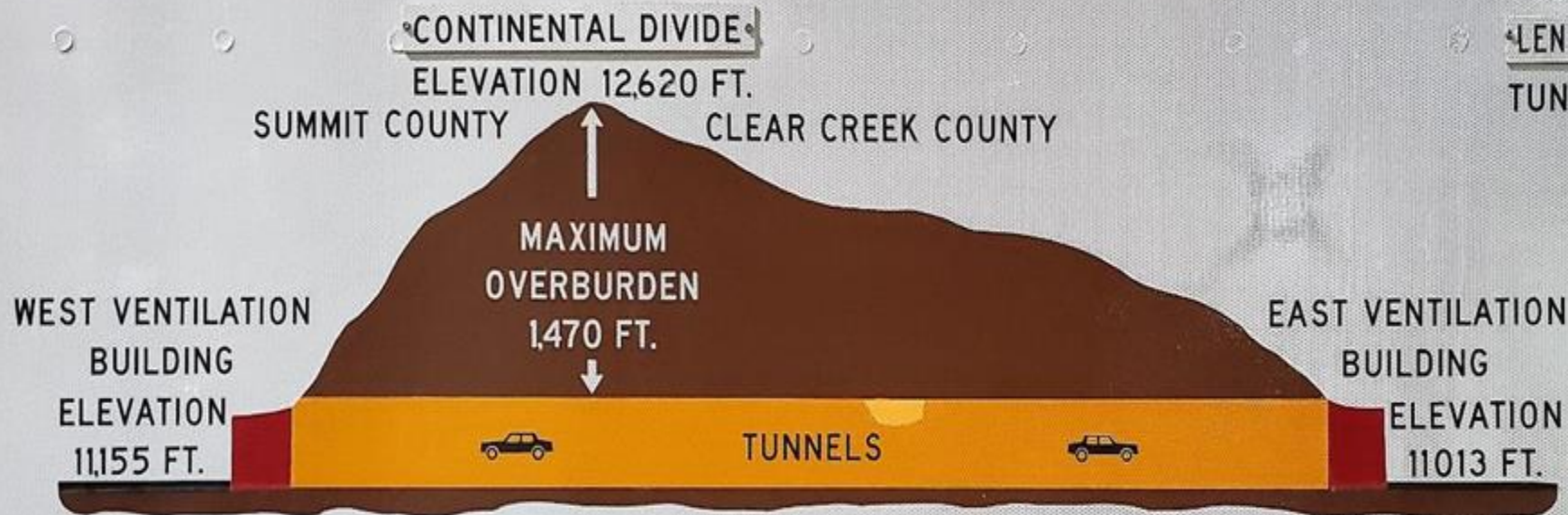
EXCAVATION 1,023,945 CU. YDS

STRUCTURAL

STEEL SUPPORTS 36,171 TONS

REINFORCING STEEL 13,836 TONS

CONCRETE 388,546 CU. YDS.



SECTION THROUGH MOUNTAIN



TOP VIEW

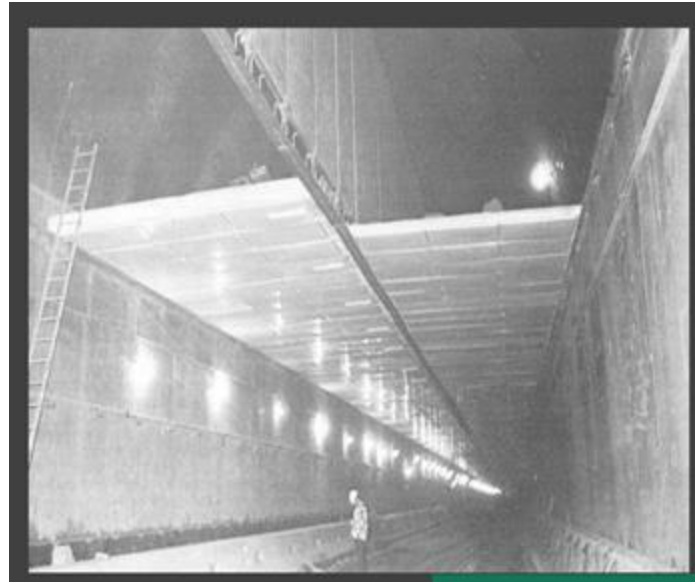


TUNNEL CROSS SECTION





# Historic Construction Photos





# EJMT Operations





# Fixed Fire Suppression System

- Fixed Fire Suppression System  
\$22 Million dollar
- Completed December 2015
- First fire suppression system retrofitted into an existing tunnel in the US.
- Activated on two fires. More severe of the two was January 28, 2019, and system likely saved the south bore from being shut down for at least a week. Tunnel was reopened within an hour after the event.
- Fire was hot enough to melt lights and damage the wall







# SB 260 Projects

- SB 260 identifies \$50M of improvements to the Eisenhower Johnson Complex.
- CDOT's asset management system has identified approximately \$150 M of deferred maintenance items on the 49 year old facility.





# EJMT Drainage, Plumbing, Heat Trace

- Scope
  - Drainage, Plumbing, and heat trace improvements
  - Generator Replacement
  - Water Treatment Facility
  - 600 HP Fan Motor Rewind (North tunnel fans)
- Contract Method
  - Design/Build







# EJMT DPHT (Cont'd)





- Scope
  - Repair and mitigate all Condition State 4 (CS4 - structural review needed) and CS3 (poor condition) in both tunnel bores to mitigate water intrusion within the tunnel plenum liner.



- Scope
  - Replace/ repair grout beds that support wall panels and address/ repair steel hanger issues







# EJMT Service Area Repair

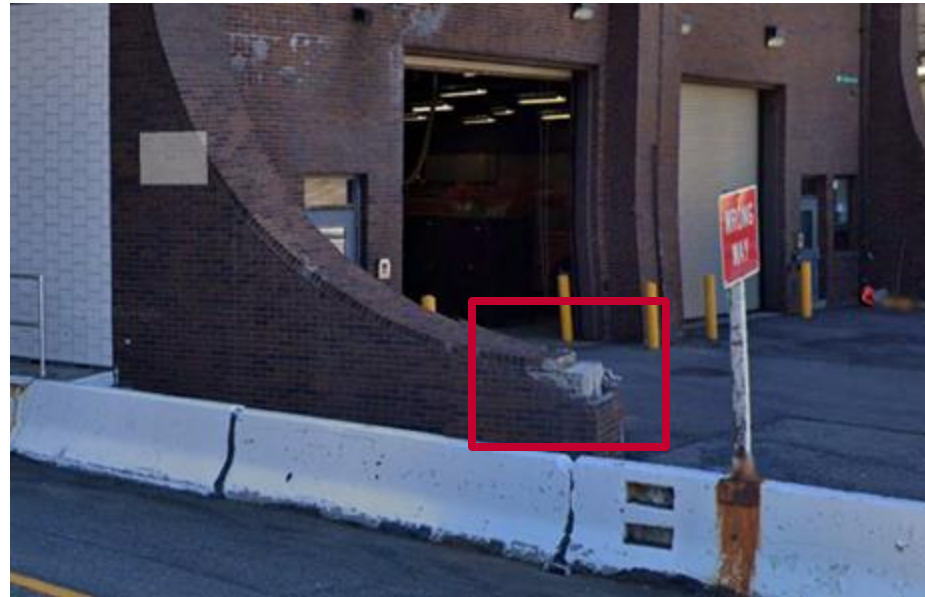
- Scope
  - Replace fire extinguisher cabinets
  - Service area improvements to repair guardrail, surface drainage, asphalt, pavement markings, tunnel portal brick repair, etc.
  - Install new automated portal deicing system
  - Tunnel Sensor upgrades for safety enhancements to include: LiDAR over height sensor, thermal imaging for overheated engines, and hazardous placard identifier



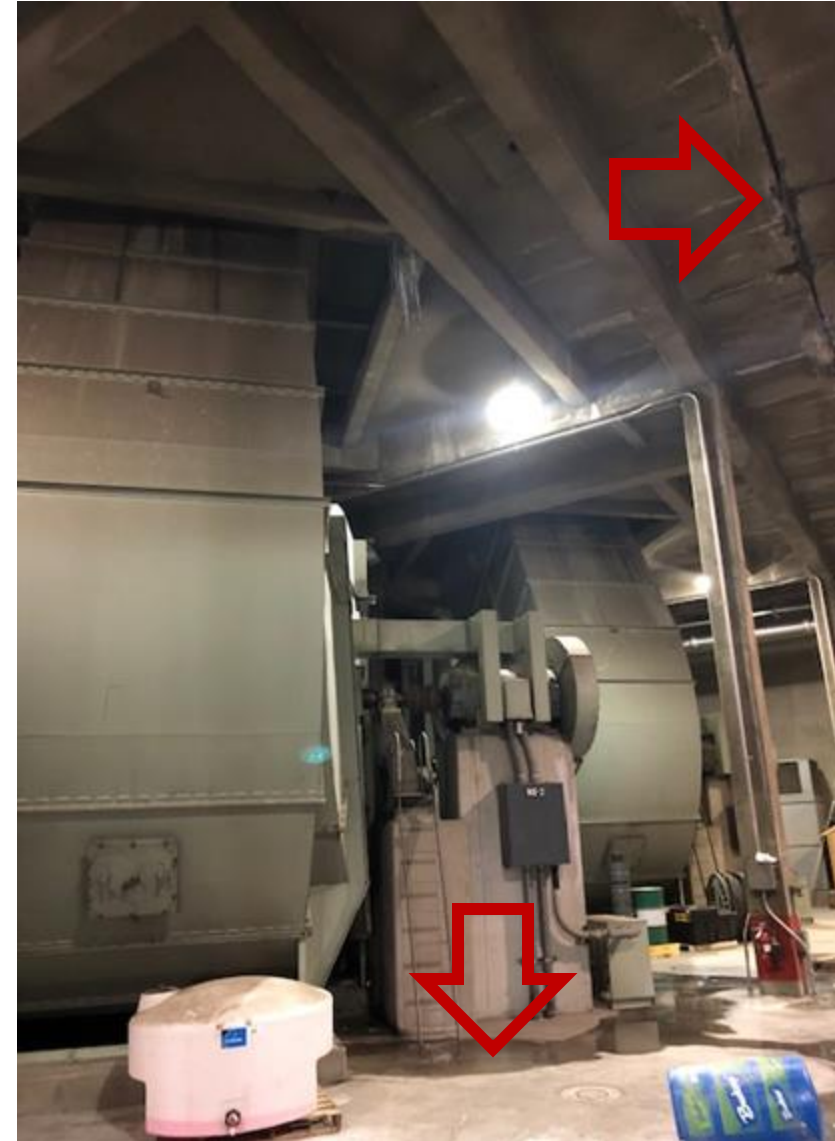




# EJMT Service Area Repair (Cont'd)



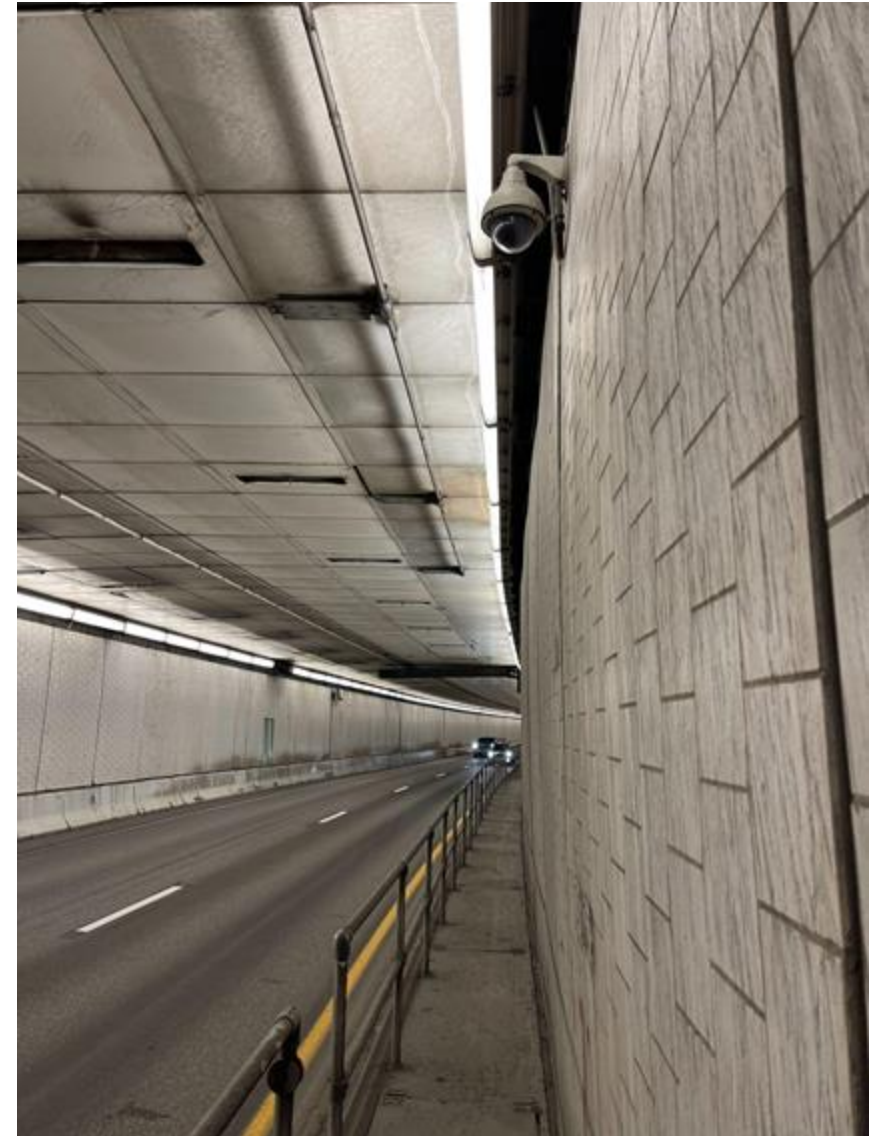
- Scope
  - East and West Roof Repairs to prevent and mitigate water intrusion
  - Vehicle Bay Boiler Upgrades and ventilation improvements
  - Elevator Replacement/Repair







- Scope
  - Variable Message Signs
  - Lane Usage Signals







# Project Cost

| Project Description  | Proposed Budget (Total) | Proposed Ad      | Delivery Method     | CDOT PM           | Consultant Team |
|--|-------------------------|------------------|---------------------|-------------------|-----------------|
| <i>Projects that can be easily accelerated for possible Stimulus</i> |                         |                  |                     |                   |                 |
| <b>EJMT Drainage, Plumbing, Heat Trace</b>                           | \$ 24,300,000.00        | NTP Spring 2022  | Design Build        | Tedrow            | Atkins          |
| <b>EJMT Plenum Liner</b>   | \$ 10,500,000.00        | March 2022       | Design/Bid/Build    | Wooldridge/Tedrow | Stantec         |
| <b>EJMT Grout Beds</b>   | \$ 2,000,000.00         | January 2022     | Design/Bid/Build    | Wooldridge        | Ulteig          |
| <b>EJMT Service Areas Repair</b>                                     | \$ 7,150,000.00         | March 2022       | Design/Bid/Build    | Wooldridge        | Parsons         |
| <b>EJMT Property Management</b>                                      | \$ 3,000,000.00         | Undecided        | Property Management | N/A               | N/A             |
| <b>EJMT ITS Project</b>  | \$ 6,000,000.00         | Summer/Fall 2021 | Design/Bid/Build    | Scott             | N/A             |
| <b>Running Total</b>   | \$ 52,950,000.00        |                  |                     |                   |                 |

Table 1: Overall Project



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# CDOT GHG Rulemaking



## Public Hearings | Greenhouse Gas Pollution Reduction:

The [Transportation Commission of Colorado](#) and Colorado Department of Transportation are proposing a new standard to reduce greenhouse gas emissions from the transportation sector, improve air quality and reduce smog, and provide more travel options. CDOT, on behalf of the Commission, will hold eight public hearings across the state to provide opportunities for public comment on this new proposed standard. These hearings will be held in-person and virtually, with Spanish interpretation available. Individuals are encouraged to attend a public hearing and submit written comments to [dot\\_rules@state.co.us](mailto:dot_rules@state.co.us).

Visit the webpage below to learn more about the Greenhouse Gas Pollution Reduction for Transportation Planning Proposed Standards and participate in the rulemaking process.

[CDOT Proposed Rules & Public Hearing Information](#)



# Hybrid Meeting Schedule



| <u>Date</u> | <u>Time</u> | <u>In-Person Meeting Location</u>  | <u>Virtual Registration</u>   | <u>YouTube Hearing Link (Viewing Only)</u>                             |
|-------------|-------------|--|---|--|
| 9/17/2021   | 2-5 p.m.    | CDOT Regional Office<br>Bookcliff Conference Room<br>2328 G Road<br>Grand Junction, CO 81505 | <a href="#">Sept. 17 Virtual Registration Form</a><br>(Registration closes at 11:59 pm on Sept. 16) | <a href="#">Sept. 17 YouTube Hearing Recording Link</a><br>(Recording) |
| 9/23/2021   | 3-7 p.m.    | Swansea Recreation Center<br>2650 E. 49th Ave.<br>Denver, CO 80216                           | <a href="#">Sept. 23 Virtual Registration Form</a><br>(Registration closes at 11 am on Sept. 22)    | <a href="#">Sept. 23 YouTube Hearing Link</a><br>(Recording)           |
| 9/24/2021   | 3-6 p.m.    | CDOT Regional Office<br>1480 Quail Lake Loop #A<br>Colorado Springs, CO 80906                | <a href="#">Sept. 24 Virtual Registration Form</a><br>(Registration closes at 11 am on Sept. 23)    | <a href="#">Sept. 24 YouTube Hearing Link</a><br>(Recording)           |
| 9/27/2021   | 3-7 p.m.    | South Suburban Sports Complex<br>4810 E. County Line Rd.<br>Littleton, CO 80126              | <a href="#">Sept. 27 Virtual Registration Form</a><br>(Registration closes at 11 am on Sept. 26)    | <a href="#">Sept. 27 YouTube Hearing Link</a><br>(Viewing Only)        |
| 9/29/2021   | 2-5 p.m.    | CDOT Regional Office<br>Big Sandy Conference Room<br>2738 Victory Highway<br>Limon, CO 80828 | <a href="#">Sept. 29 Virtual Registration Form</a><br>(Registration closes at 11 am on Sept. 28)    | <a href="#">Sept. 29 YouTube Hearing Link</a><br>(Viewing Only)        |





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|-------------|-------------|---|--|---|
| 9/30/2021   | 2-5 p.m.    | Christ United Methodist Church<br>301 East Drake Road<br>Fort Collins, CO 80525   | <a href="#">Sept. 30 Virtual Registration Form</a><br>(Registration closes at 11 am on Sept. 29) | <a href="#">Sept. 30 YouTube Hearing Link</a><br>(Viewing Only) |
| 10/04/2021  | 2-5 p.m.    | City Hall<br>City Council Chambers<br>101 West 8th Street<br>Glenwood Springs, CO 81601   | <a href="#">Oct. 4 Virtual Registration Form</a><br>(Registration closes at 11 am on Oct. 3)     | <a href="#">Oct. 4 YouTube Hearing Link</a><br>(Viewing Only)   |
| 10/05/2021  | 2-5 p.m.    | Weld County<br>Southwest Service Complex<br>4209 County Road 24 1/2<br>Firestone, CO 80504<br>*Note: This address may show up in some map applications as a Longmont address. | <a href="#">Oct. 5 Virtual Registration Form</a><br>(Registration closes at 11 am on Oct. 4)     | <a href="#">Oct. 5 YouTube Hearing Link</a><br>(Viewing Only)   |
| 10/07/2021  | 2-5 p.m.    | CDOT US160 Maintenance Training Facility:<br>20581 Highway 160 Durango, CO 81301  | <a href="#">Oct. 7 Virtual Registration Form</a><br>(Registration closes at 11 am on Oct. 6)     | <a href="#">Oct. 7 YouTube Hearing Link</a><br>(Viewing Only)   |



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