



El Paso County Highway Advisory Committee Update - April 22, 2021



Department of Transportation



Region 2 Overview

- Region 2 encompasses 14 Counties to include:

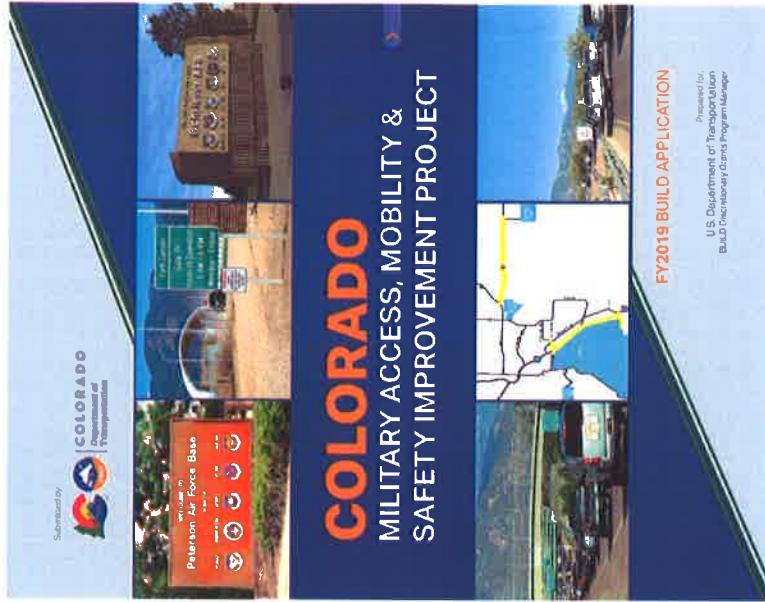
- Park, Teller, El Paso, Fremont, Custer, Pueblo, Crowley, Bent, Otero, Kiowa, Powers, Huerfano, Las Animas and Baca.
- Bounded to the south by New Mexico and Oklahoma, to the east by Kansas, to the north and west by various County lines. Map attached.
- Staff Members/Departments: The region consists of 443 positions (421 filled), CDOT departments:
 - Engineering (93 staff) [North (48 staff) & South (36 staff) Programs and the Materials Lab (9 staff)]: responsible for the preconstruction engineering and construction engineering duties for 14 counties.
 - Environmental & Planning (10 staff): manages the project planning efforts and public outreach for the four year, ten year and 2045 Long Range Plan, as well as environmental related project issues.
 - Traffic (38 staff): contains three main units; Engineering, Permits, and Traffic Maintenance, primarily dealing with traffic signals, highway signing, utility clearances, and outdoor advertising.
 - Maintenance (265 staff): whose primary functions include roadway maintenance to include paving and pothole repair, guardrail repair, mowing operations, fencing repairs, snowplowing and deicing.
 - Administrative Offices (15 staff): *Includes the RTD's office, Business Office, and Civil Rights Office.* These departments manage the administrative responsibilities for the Region, to include business processes and personnel and employee relations matters.
- North Program Engineering:
 - 17 Planned or active construction projects in 5 counties for 2021
 - Types of projects include interchange construction, bridge replacements, surface treatment & culvert maintenance



Military Access, Mobility & Safety Improvement Project (MAMSIP)

Project Background

- BUILD Grant application for the four project components submitted in June 2019.
- Project awarded \$18.35M of \$25M Fall 2019.
- CMGC Contractor selected Fall 2019. NTP issued January 2020
- Varying levels of design for all Project components.





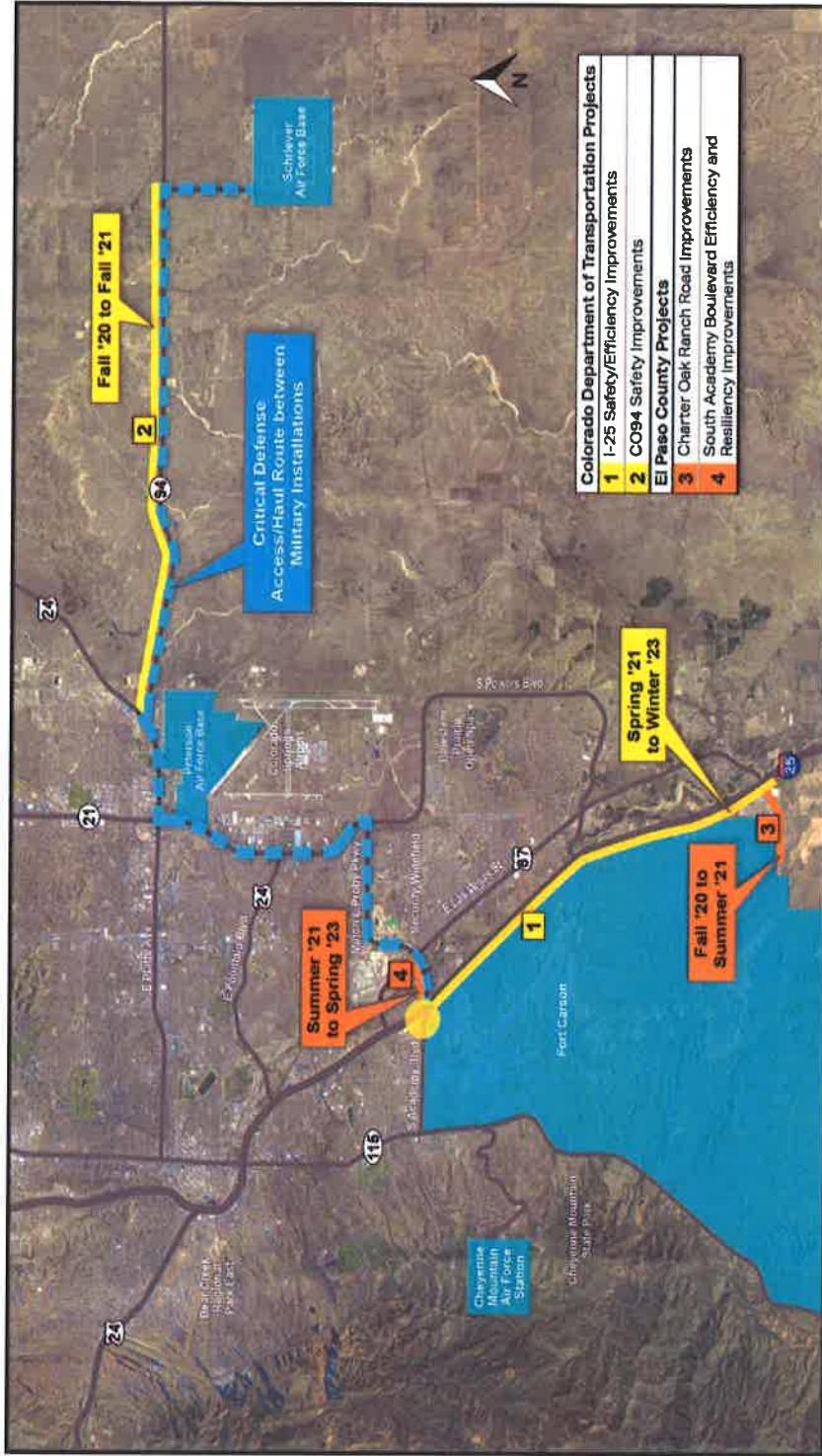
Military Access, Mobility & Safety Improvement Project (MAMSIP)

Project Goal:

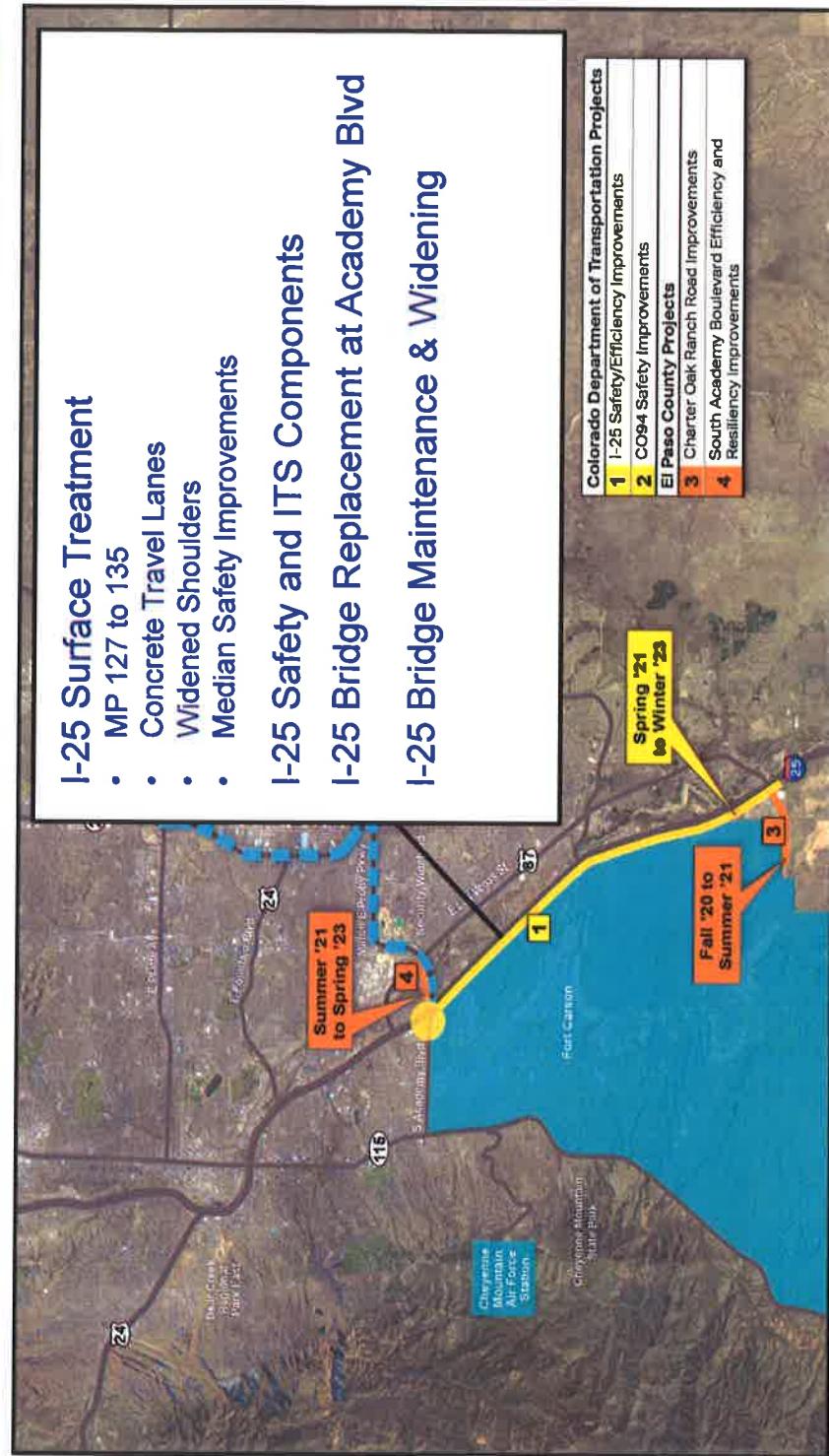
Improving the safety and efficiency of mobility for passenger and commercial vehicles, as well as enhancing mobility and ensuring redundancy along national strategic corridors connecting several of the region's major military installations.

- BUILD Grant Project in partnership with El Paso County
- \$18.35M with four project components:
 - SH 94 Safety Improvements **\$10.8 M**,
 - Charter Oaks Ranch Road **\$14.5M**,
 - South Academy Improvements **\$22.8M**,
 - I-25 Safety and Pavement Rehab: I-25 Rehab and Safety Budget **\$86M**, South Academy Bridges **\$24M**
- Total Project Cost **\$158M**
- Construction completion by the end of 2024.

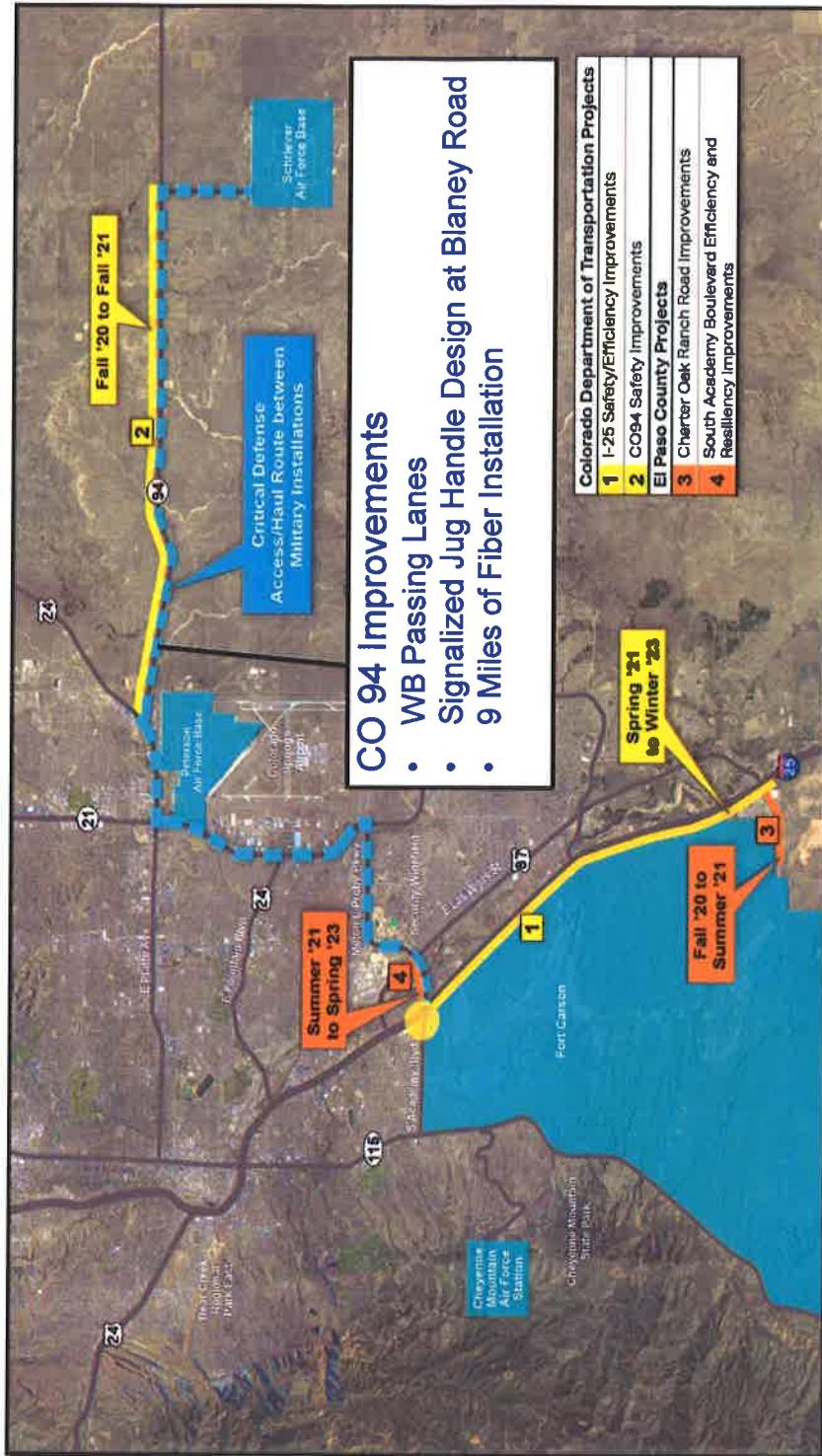
MAMSIP Project Components



I-25 Safety/Efficiency Improvements Design Update



CO 94 Safety Improvements Construction Update



CO 94 Safety Improvements Construction Update



Package 1 (\$3.5M)

- Begin September 2020
- End Spring 2021 (Anticipate March 2021)
- Passing lane Construction (Complete)
- ITS Fiber installation (90% Complete)

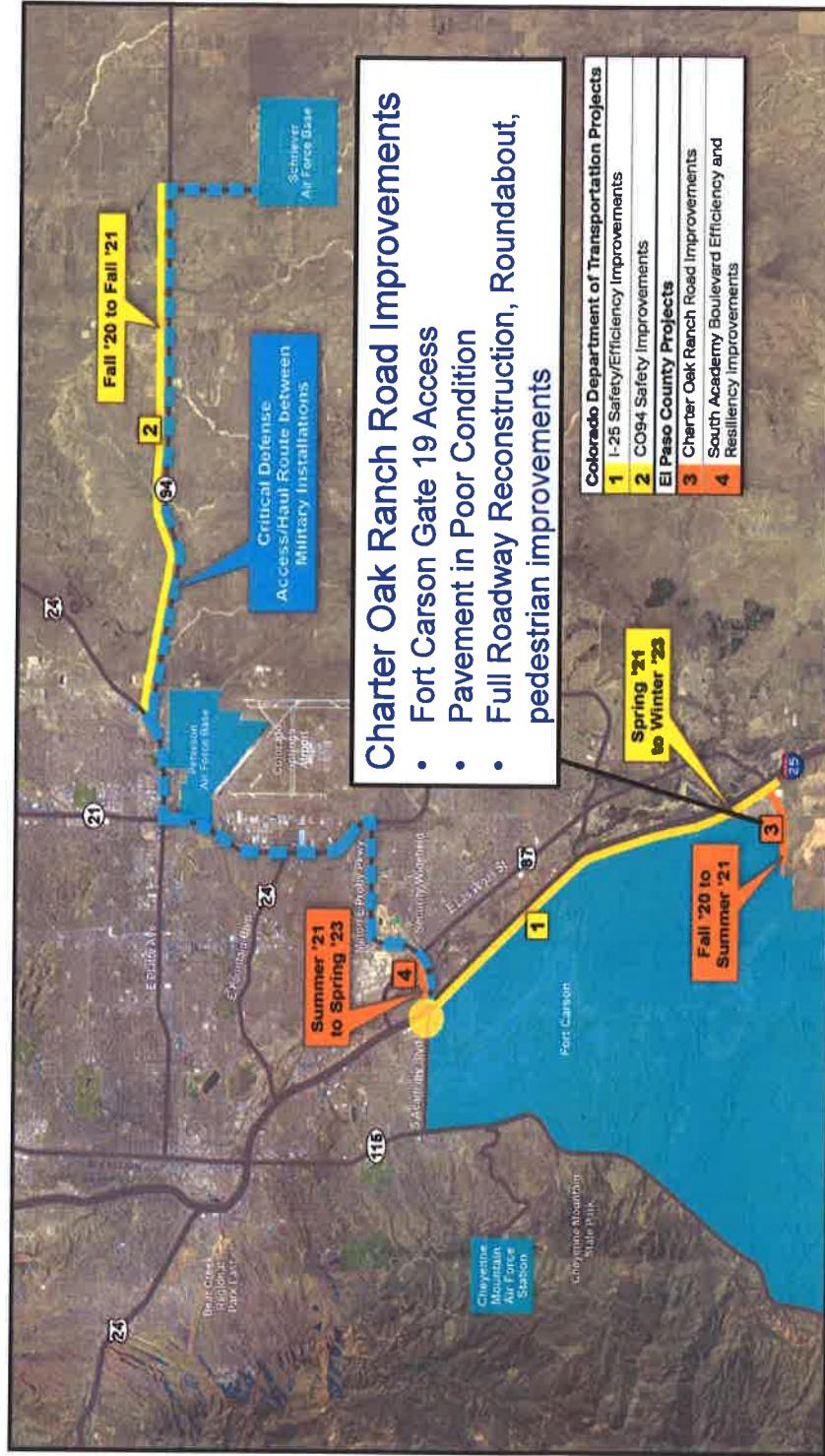


Package 2 (\$6.5M)

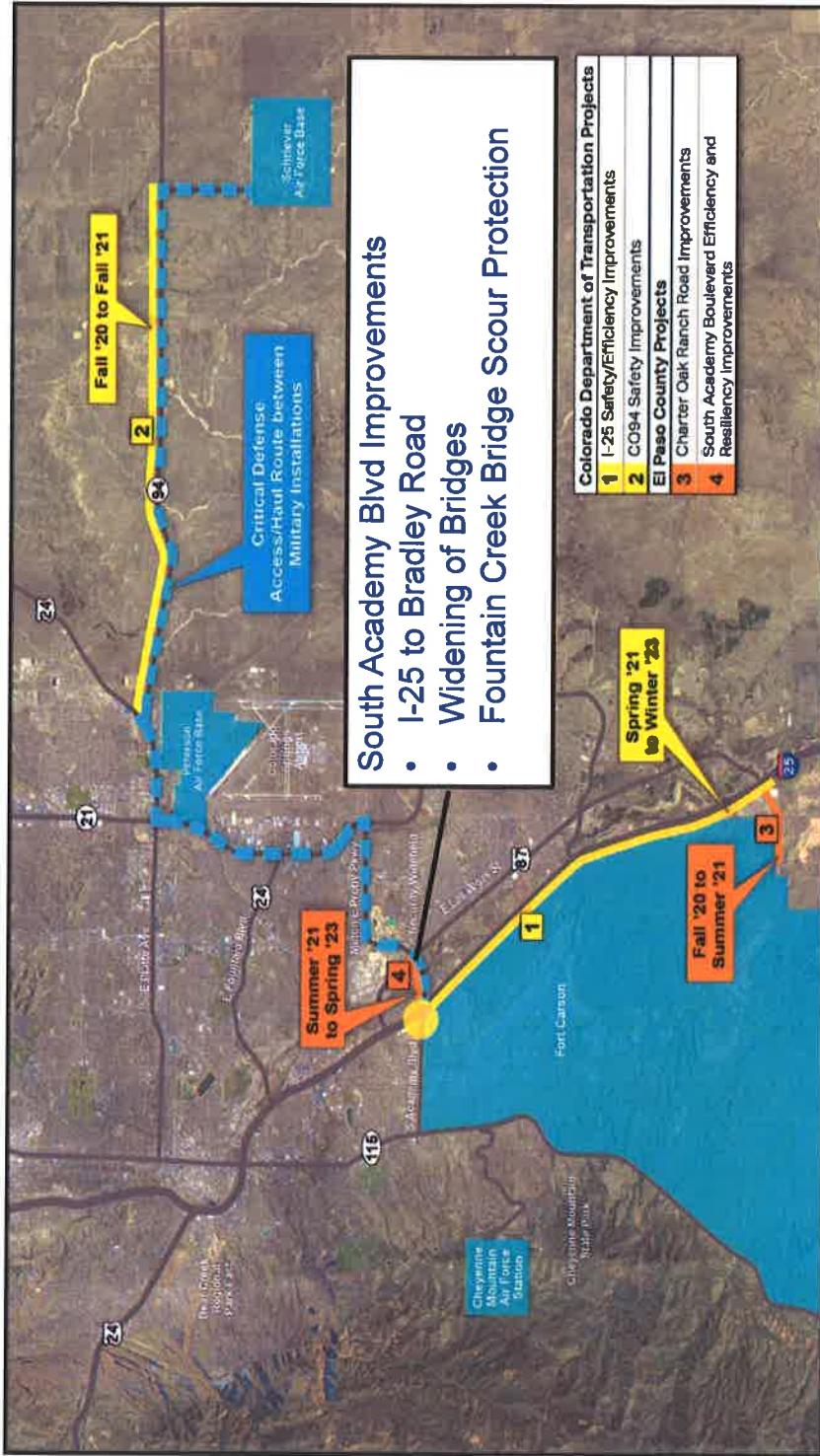
- Begin Summer 2021
- End Spring 2022
- Intersection Improvements Blaney Rd.
(Jug Handle with geometric improvements)



Charter Oak Ranch Rd Design Update



S. Academy Boulevard Improvements Design Update





CO 21 and Research Blvd(Powers Blvd) Interchange



Research & Powers Blvd. Interchange

- Reconstruction of the interchange resulting in improved safety and increased capacity
- Improved riding surface
- Additional sidewalks
- Currently under advertisement, bid opening April 22 with construction beginning Summer 2021
- 18 Month Construction duration
- Estimated cost \$44M



Additional Construction Projects CY 21

- US 24 Timber Bridge Replacement
 - H-19-C at MP 331 (midway between Peyton and Calhan, doghouse rail)
 - Construction begins May 3
- Ramp Resurfacing Project on I-25 and on SH 115
 - North Academy & I-25
 - Briargate & I-25
 - Interquest & I-25
 - NORAD & SH115
 - Construction begins May 16, night work



Additional Projects Under Design or Planned

- CO 115 Improvements (2022)
 - Bridge Replacement near Fort Carson Gate 6
 - Pavement rehabilitation and safety improvements along the corridor
- CO 21 & Airport Road Interchange (Planned)
 - PPACG priority project for next round
 - Construction funding currently not identified
 - Preliminary design anticipated to begin 2022
- Ramp Metering on I-25 Phase 2 (Construction late 2021- 2022)
 - Woodmen SB On
 - North Academy NB & SB On
 - North Gate NB On
 - Advertisement mid summer with construction beginning late summer



R2 CONTACT INFORMATION

- Richard Zamora, RTD, ph: 719-546-5452, richard.zamora@state.co.us
- Shane Ferguson, North Program Engineer, ph: 719-227-3201, shane.ferguson@state.co.us
- Rob Frei, Environmental & Planning Manager, ph: 719-201-7896, Robert.frei@state.co.us
- Jason Nelson, Traffic Engineer, ph: 719-250-5889
- D'Wayne Gaymon, Maintenance Superintendent, ph: 719-251-7809, dwayne.gaymon@state.co.us
- HQ Office location: 5615 Wills Blvd, Pueblo, CO 81008
- Program Office location: 1480 Quail Lake Loop, Suite A, Colorado Springs, 80906



El Paso County
Highway Advisory Commission



Troy Wiitala
Highway Manager

April 21, 2021

Highway Updates



Graveling Program

- ✓ Completed Hahn Rd
- ✓ Completed Jones Rd
- ✓ Working on Meridian Rd

Dust Abatement/Reclamation Program

- ✓ Worked on Big Springs Rd; Baggett Rd-Ramah Hwy-water only

Drainage

- ✓ Working on barrier delivery for Ellicott bridge project

Chip Sealing Program

- ✓ Start about June 1, 2021

Pothole repairs / Grading requests





Highway Updates

Snow Updates 2020-2021

- ✓ 22 snow events

Intersection enhancements; Shoup / Vollmer

- ✓ Upgraded signage/pavement markings
- ✓ Trimmed trees for site lines

Total FTEs

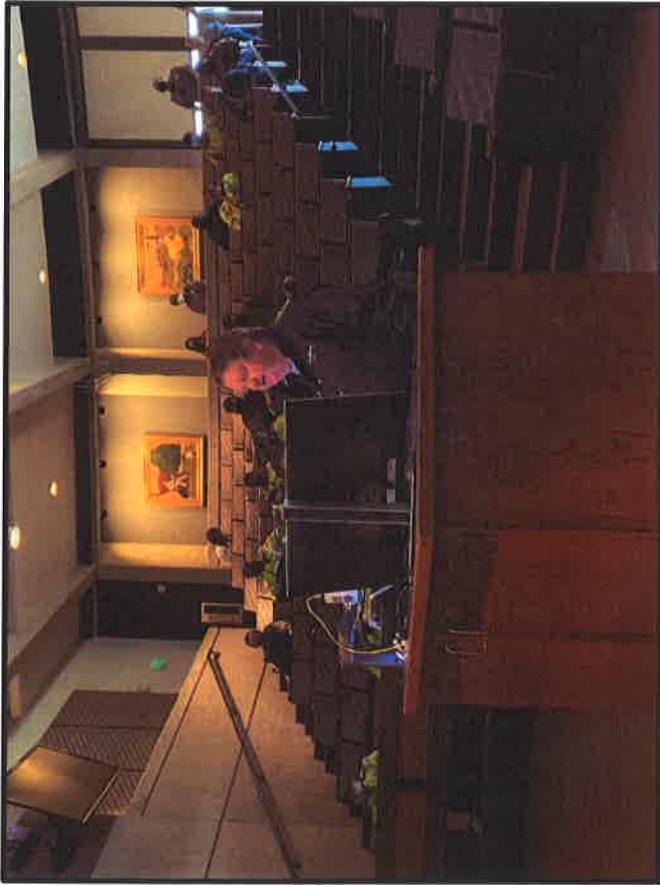
- ✓ 117/153
- ✓ 4 inbound permanent hires
- ✓ 5 seasonal hires
- ✓ 2 inbound seasonal hires
- ✓ Continue hiring process

Frank Biggerstaff Retirement

Congratulations Mr. Biggerstaff!!!

26 Years of Service

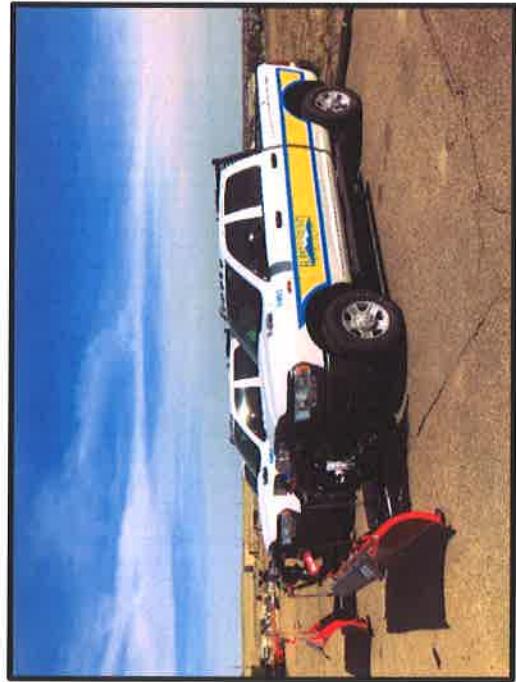
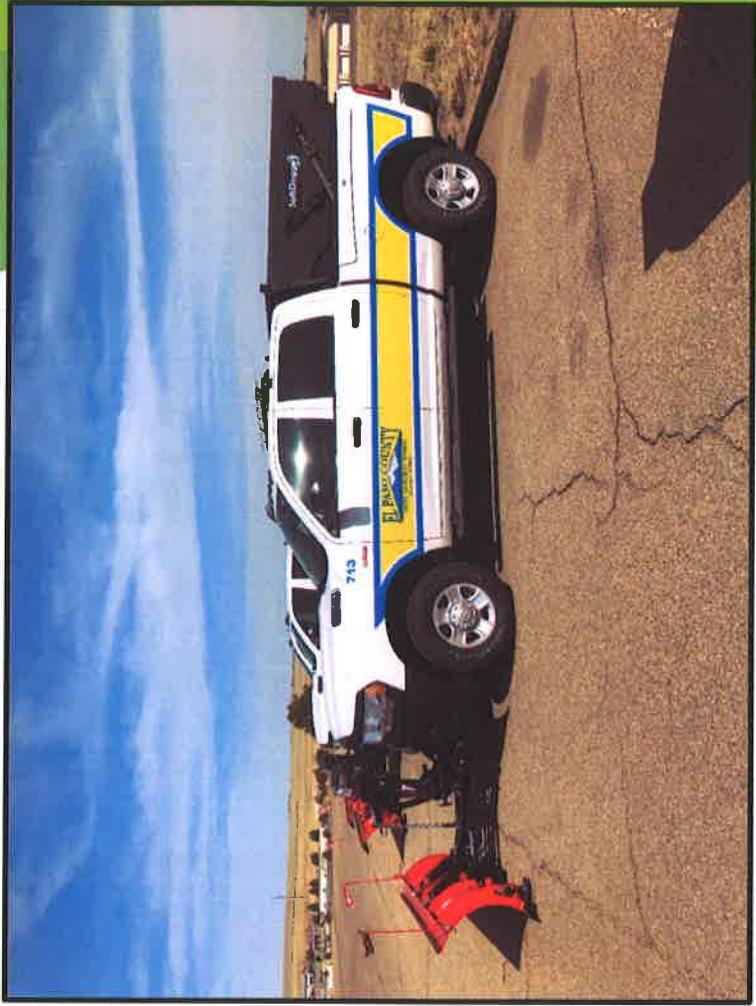
Enjoy Retirement!!!



Vault Toilets



Snow Removal



Questions



ALLOCATION METHODOLOGY FOR HIGHWAY USERS TAX FUND (HUTF) TO COUNTIES C.R.S. 43-4-207

The HUTF can be viewed as having two distinct parts. There is the **basic** HUTF, which includes user tax and fees enacted before 1981 and the **additional** HUTF, which includes user tax and fees enacted since 1981 (including FASTER fees). The Colorado General Assembly first makes appropriations from the off-the-top of the basic HUTF to the Colorado State Patrol in the Department of Public Safety and to the department of Revenue for the operations of the ports-of-entry and the Motor Vehicle Division. Then a total of 26% from the basic HUTF net of the appropriated off-the-top amount and 22% from the additional HUTF are distributed to the counties.

The distribution formula for the counties' portion of the HUTF is described in C.R.S. 43-4-207. The statutory distribution for each county's portion of the HUTF is according to a three-tiered formula as described below:

1. The first \$69,700,000 of any amount to be divided by the counties, is allocated according to the same allocation formula in existence in FY1987-88;
2. The next \$17,000,000 is allocated to the following seventeen counties by percentages as established in statute; Adams 9.5718%; Alamosa 1.1598%; Arapahoe 12.6560%; Boulder 7.3571%; Douglas 3.5148%; El Paso 13.0552%; Jefferson 14.9666%; La Plata 2.0733%; Larimer 7.9978%; Lincoln 1.8866%; Logan 2.0334%; Mesa 4.3285%; Morgan 2.9915%; Otero 1.6843%; Pueblo 4.6096%; Rio Grande 1.3384%; and Weld 8.7753%;
3. Any money above \$86,700,000 (i.e., $69,700,000 + \$17,000,000$) is allocated as follows:
 - a. 15% in proportion to the rural motor vehicle registration in each county (unincorporated areas);
 - b. 15% in proportion to the countywide motor vehicle registration in each county;
 - c. 60% in proportion to the adjusted lane miles of open, used, and maintained county roads in each county, except mileage for state highways and municipal streets;
 - d. 10% in proportion to the square feet of bridge deck for bridges greater than twenty feet in length in each county
 - (i) After determining the percentage of area in each county classified as "plains," "plains rolling and irrigated" and "mountainous," C.R.S. 43-4-207(2)(c) provides that the Department of Transportation shall also classify the percentage of county roads that are "paved" in each county. The statute provides that the following factors shall be applied: 1.0 to the percentage of roads classified as "plains"; 1.75 to the percentage classified as "plains rolling and irrigated"; 3.0 to the percentage classified as "mountainous"; and 1.5 is applied to the percentage of "paved" roads in each county

All distribution of HUTF dollars to the counties are made by the State Department of the Treasury based upon computerized runs utilizing the statutory distribution formulas.



Wednesday April 2021



Jennifer E. Irvine P.E., MPA
County Engineer

Annual HUTF Updates

Highway Advisory Commission

Highway User Tax Fund (HUTF)

- Major sources of revenue for the fund
 - Motor fuel taxes,
 - Vehicle registration fees,
 - Driver's license fees,
 - Oversize load permits,
 - Traffic penalty assessments.
- The largest contributor is the motor fuels tax, which remains at the 22-cents per gallon figure that took effect in 1991.
- Funds are allocated based on formula (see handout).



Highway User Tax Fund (HUTTF)

Summary of Roads Accepted 2014 to 2020 (Centerline)

| Surface | 2014 | 2015 | 2016 | 2017 | 2018 | 2019* | 2020 |
|-------------------|----------|----------|----------|----------|----------|----------|----------|
| Paved | 856.02 | 884.94 | 897.49 | 904.35 | 922.36 | 911.98 | 937.00 |
| Low-Grade Paved | 225.00 | 225.00 | 225.00 | 225.00 | 225.00 | 225.00 | 224.71 |
| Gravel | 1,044.57 | 1,044.70 | 1,044.83 | 1,045.18 | 1,046.20 | 1,046.20 | 1,046.93 |
| Graded & Drained | 4.83 | 4.83 | 4.83 | 4.83 | 4.83 | 4.88 | 4.93 |
| Unimproved | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| Primitive | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total EPC Mileage | 2,130.42 | 2,159.47 | 2,172.65 | 2,179.86 | 2,198.89 | 2,188.51 | 2,213.97 |
| Mileage Gain | +7.63 | +29.05 | +13.18 | +7.21 | +19.03 | -10.38 | +25.46 |

*2019 Mileage Adjustments/GIS Corrections to Roads Database -12.08

2019 Mileage Additions 1.51

2019 Annexations -0.05





Highway Advisory Commission

*Jennifer E. Irvine P.E., MPA
County Engineer*

Wednesday 21 April 2021

Falcon P&R/Meridian Improvements



1st Quarter Update



- Annexation IGA
- ECM Revisions
- Asset Management RFP
- Legislative Tracking
- Multijurisdictional Coordination
- PPRTA Extension
- Personnel Updates

Customer Service Survey Report March 2021

| | | |
|----------------------------|-----|--|
| Service requests Completed | 319 | |
| Surveys Returned | 2 | |

1.) Overall satisfaction of El Paso County Department of Public Works

| | | |
|-------------------------|---|------|
| No Reply | 0 | 0% |
| Extremely dissatisfied | 2 | 100% |
| Moderately dissatisfied | 0 | 0% |
| Extremely satisfied | 0 | 0% |
| Grand Total | 2 | 100% |

2.) Rate the quality of work that was performed

| | | |
|-------------------------|---|------|
| No Reply | 0 | 0% |
| Extremely dissatisfied | 2 | 100% |
| Moderately dissatisfied | 0 | 0% |
| Extremely satisfied | 0 | 0% |
| Grand Total | 2 | 100% |

3.) Was customer service representative helpful

| | | |
|--------------------|---|------|
| No Reply | 2 | 100% |
| Extremely helpful | 0 | 0% |
| Not at all helpful | 0 | 0% |
| Grand Total | 2 | 100% |

Survey Comments (March)

4/14/2021

| Road Name | Date of Survey | Customers Comments |
|-----------|----------------|--------------------|
| Satisfied | | |

Dissatisfied

I ask for the roads to be plowed 3 days after the storm. It has not been plowed as they say it has nor has anyone come out to look at it. Put in my request they just closed the ticket with in 5 minutes of submitting. UnProfessional.

After Customer service review road had been plowed for winter driving conditions

Never heard from either the EPC supervisor about continued disregard for fire safety or fire hydrant, or from the County Commissioner. Worst service I've seen in the 18 years I've lived here from both parties. And they always want more money for mediocre service.

Customer review Returned call 3/24/2021 10:25AM Left message and informed Highway Manager of complaint.

Service Requests

(March 2021)

4/15/2021

| SR Type | Open | Cancelled | Completed | Referred to Other Jurisdictions | Total |
|-----------------------------------|------------|-----------|------------|---------------------------------|------------|
| Concrete Repair | 10 | 1 | 0 | 5 | 16 |
| Crack Sealing | 10 | 0 | 0 | 3 | 13 |
| Dead Animal Removal | 0 | 0 | 18 | 0 | 18 |
| Drainage Maintenance | 5 | 1 | 4 | 1 | 11 |
| Dumping / Trash Removal | 1 | 2 | 33 | 1 | 37 |
| Grading / Gravel Repair | 12 | 15 | 39 | 1 | 67 |
| Guard Rails | 0 | 0 | 1 | 1 | 2 |
| Median / Right of Way Maintenance | 7 | 0 | 0 | 0 | 7 |
| Personal Property Damage | 0 | 0 | 1 | 0 | 1 |
| Pothole | 37 | 11 | 57 | 31 | 136 |
| Shoulder Maintenance | 0 | 0 | 1 | 0 | 1 |
| Snow and Ice Control | 5 | 16 | 101 | 2 | 124 |
| Street Lights | 0 | 0 | 0 | 1 | 1 |
| Street Signage | 21 | 2 | 42 | 8 | 73 |
| Street Sweeping | 5 | 1 | 2 | 0 | 8 |
| Traffic Signals | 2 | 0 | 13 | 2 | 17 |
| Tree Trimming / Removal | 5 | 0 | 5 | 0 | 10 |
| Washout | 1 | 1 | 2 | 0 | 4 |
| Totals | 121 | 50 | 319 | 57 | 547 |