



# E-470 AND EXPRESSTOLL

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E-470 Executive Director Joe Donahue  
E-470 Board Chair John Diak (Town of Parker)

September 25, 2024

## MISSION:

We improve your journey through safety, service, stewardship and reliability.

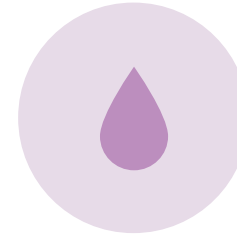
## VISION:

Providing exceptional mobility solutions by connecting people and embracing transformative opportunities.

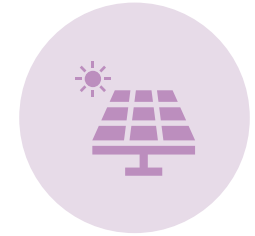
# TODAY'S AGENDA



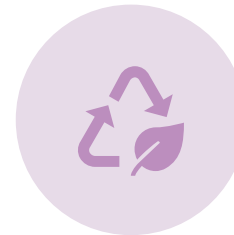
**HISTORY/OVERVIEW  
AND TOLLS**



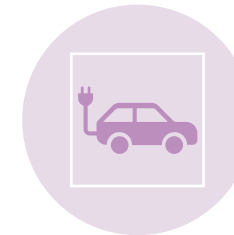
**GROWTH AND  
PROJECT PLANNING**



**ENVIRONMENTAL  
STEWARDS**



**CUSTOMER SERVICE  
AND SAFETY**



**LOCAL, STATE & REGIONAL  
PARTNERSHIPS**



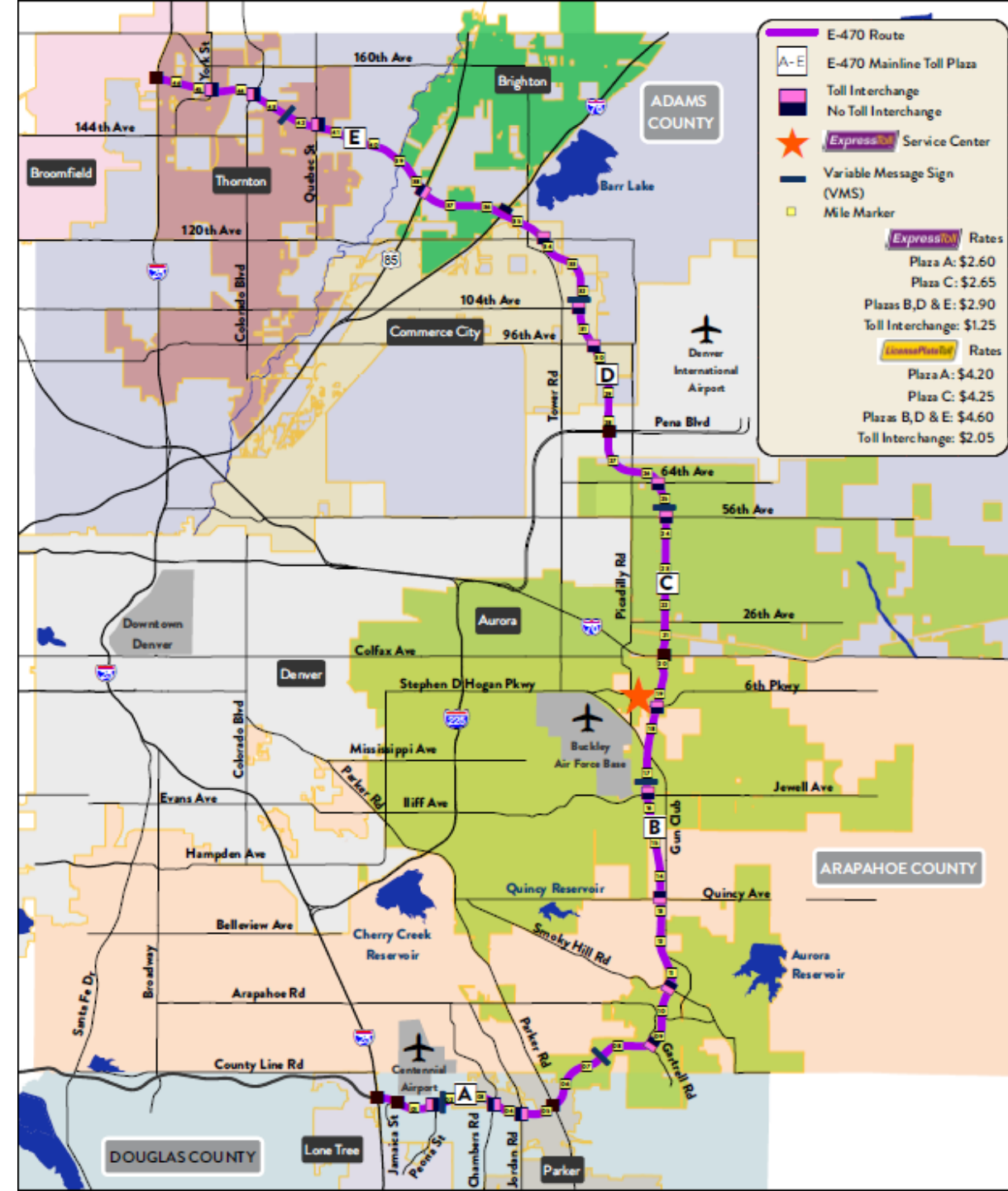
# HISTORY/OVERVIEW AND TOLLS

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September 25, 2024

# BACKGROUND

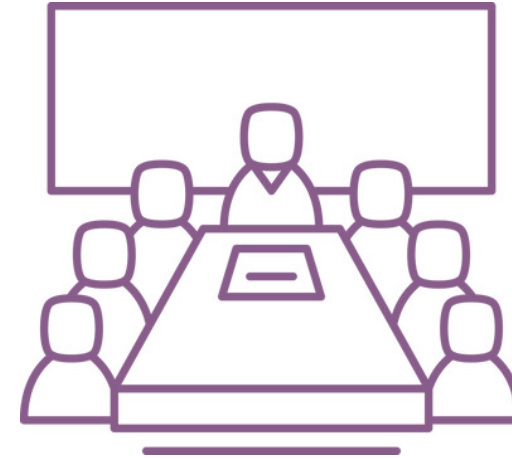
- 47-mile all-electronic public toll road
- User-financed: **NOT TAX FUNDED**
- \$1.3 billion in outstanding bond debt
- \$100-\$115 million in annual debt payments
- 1987 – Public Highway Authority (PHA) Act passed
- 1991 – Opened 1st segment (I-25 to Parker Rd)
- 1998 – Opened 2<sup>nd</sup> & 3<sup>rd</sup> segments (Parker Rd to 120<sup>th</sup> Ave)
- 2001 – Launched Transportation Safety Foundation
- 2003 – Opened 4<sup>th</sup> (final) segment (120<sup>th</sup> Ave to I-25)
- 2009 – Conversion to cashless tolling



# OVERVIEW

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- Colorado political subdivision
- Local government owned and operated
- Governed under PHA law by a Board of Directors:
  - Eight Voting Members with Alternates
  - Eight Non-Voting Members with Alternates



## BOARD OF DIRECTORS | VOTING MEMBERS

- Commissioner Chaz Tedesco – Adams County
- Commissioner Bill Holen - Arapahoe County
- Council Member Francoise Bergan – City of Aurora
- Council Member Jan Pawlowski – City of Brighton
- Mayor Steve Douglas – City of Commerce City
- Commissioner George Teal - Douglas County
- Council Member John Diak - Town of Parker
- Council Member Tony Unrein – City of Thornton

## BOARD OF DIRECTORS | NON-VOTING MEMBERS

- CTIO Director Piper Darlington – HPTE Representative
- Council Member Deborah Mulvey – DRCOG
- Director Peggy Catlin – RTD Representative
- Mayor Lauren Simpson – City of Arvada
- Council Member Bruce Leslie - City and County of Broomfield
- Mayor John Gates – City of Greeley
- Council Member Alecia Brown – City of Lone Tree
- Commissioner Scott James – Weld County

# IN THE COMMUNITY



**TRANSPORTATION  
SAFETY FOUNDATION**



**THE E-470 GOOD  
GUYS TEAM**



**JURISDICTIONAL  
SPONSORSHIPS**



**CONNECTING WITH  
OUR PARTNERS**





# REDUCING TOLLS AND ELIMINATING FEES

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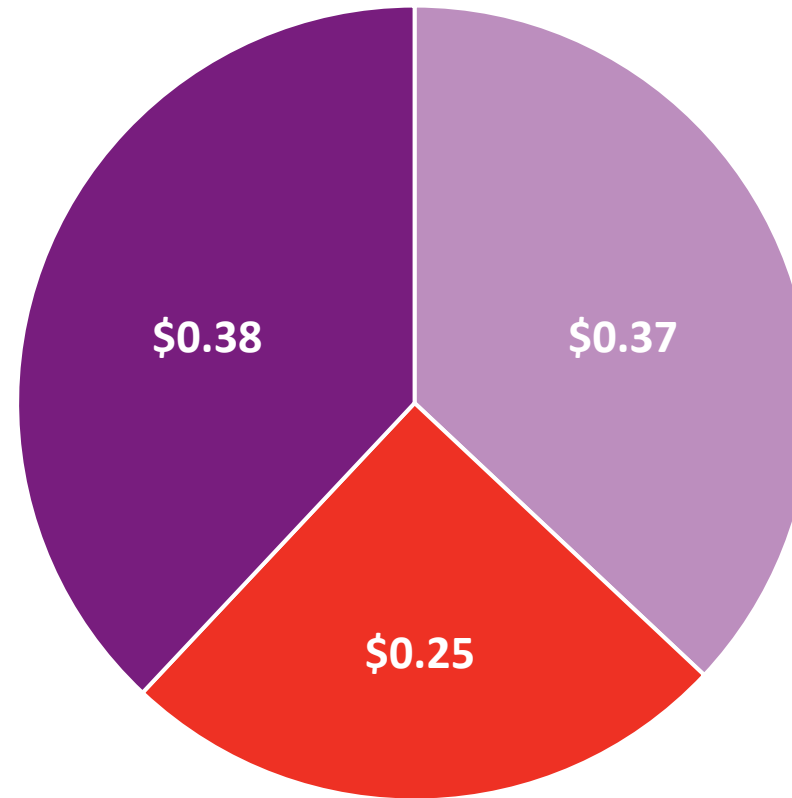
- **Toll Rate Reductions and Adjustments**
  - **2023-2024:** Froze ExpressToll and LPT rates
  - **2022:** Reduced ExpressToll and License Plate Toll® (LPT) rates
  - **2020-Present:** Reduced 3+ Axle ExpressToll® rates
  - **2020-2021:** Froze LPT rates
  - **2018-2021 (4 Years):** Froze ExpressToll rates
  - **2018:** Reduced rate at Toll Plaza C
- **Elimination of Fees**
  - **2018:** Vehicle Registration Fees
  - **2017:** Highway Expansion Fees



# YOUR TOLL DOLLARS AT WORK

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- **Where does \$1.00 of toll revenue go?**



- Capital Expenses
- Operating & Maintenance Expenses
- Debt Service Payments





# GROWTH AND PROJECT PLANNING

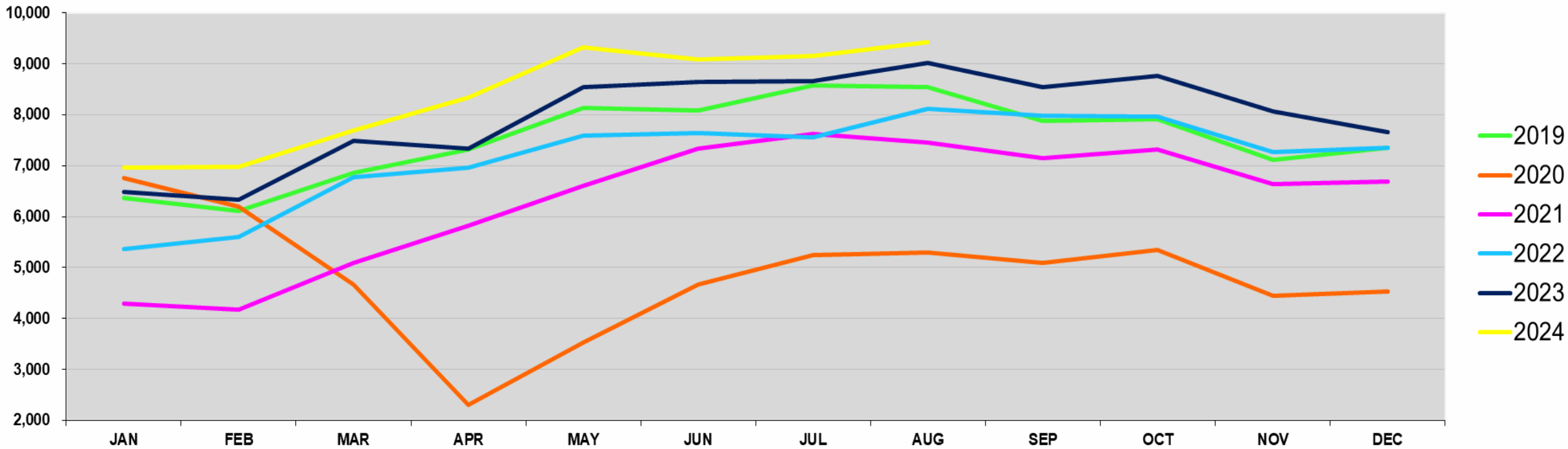
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September 25, 2024

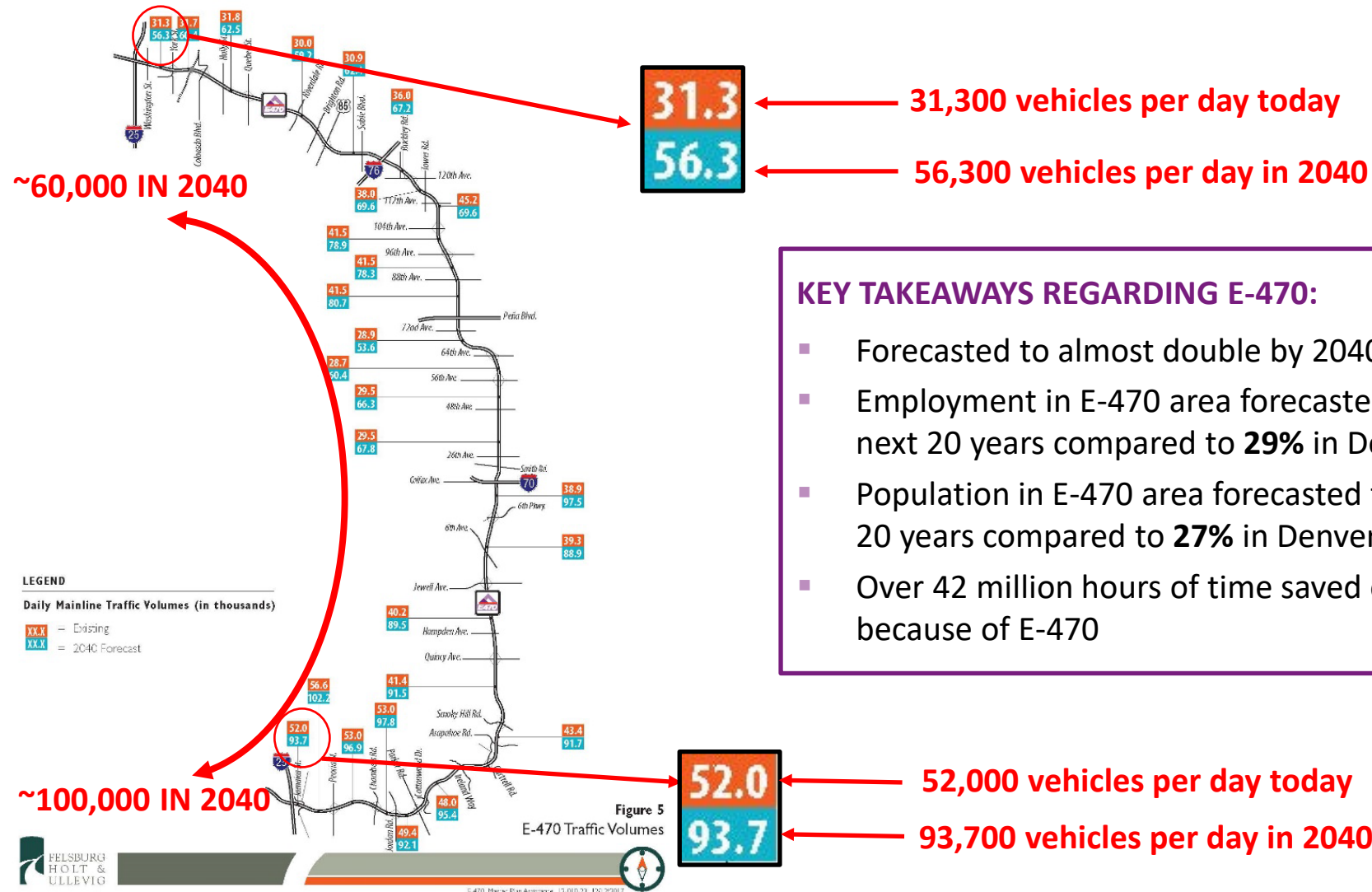
# MONTHLY TRAFFIC TRANSACTION TRENDS

Through August 2024

## E-470 Monthly Transactions



# 2040 TRAFFIC PROJECTIONS



**KEY TAKEAWAYS REGARDING E-470:**

- Forecasted to almost double by 2040
- Employment in E-470 area forecasted to grow by **44%** in next 20 years compared to **29%** in Denver metro area
- Population in E-470 area forecasted to grow by **38%** in next 20 years compared to **27%** in Denver metro area
- Over 42 million hours of time saved on an annual basis because of E-470

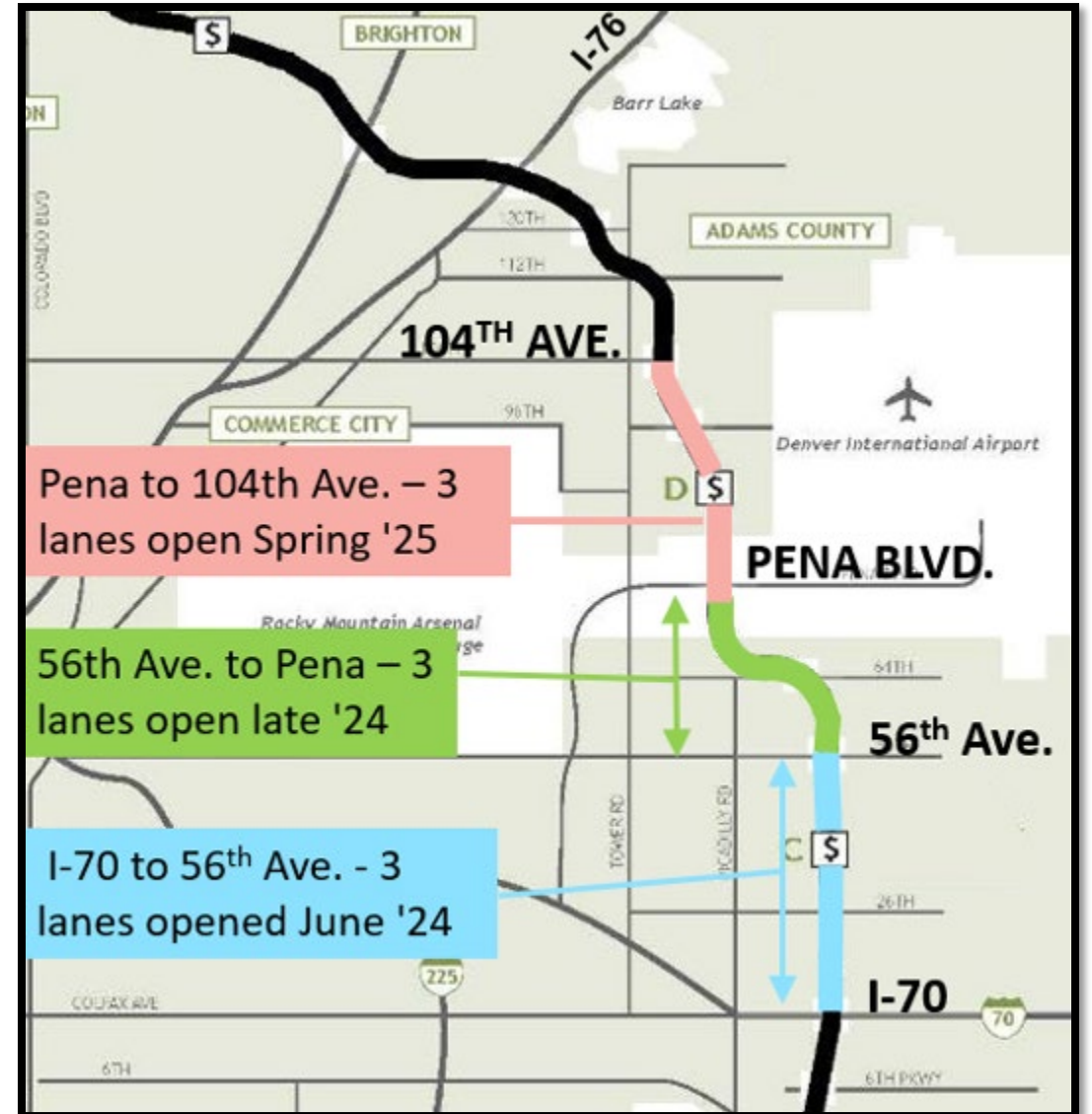
# STRATEGIC CAPITAL PROJECT PLANNING

- **Strategic Plan: “Implement projects to ensure we proactively address demand and maintain the desired level of service”**
- Self-funded **Capital Plan 2024-2028** (5 Years) estimated at \$700M
- Reinvests back into the roadway through improvements:
  - Road widening
  - New interchanges to improve connectivity
  - Trail extensions
  - Technological advances in lane toll system & back office
- E-470’s 2020 **Master Plan** identifies more than \$1.5B in capital, infrastructure, and improvements between 2020-2040
  - The Master Plan will be updated in late 2024
- The 2024 Traffic & Revenue Study used to forecast infrastructure needs based on economic growth along the corridor



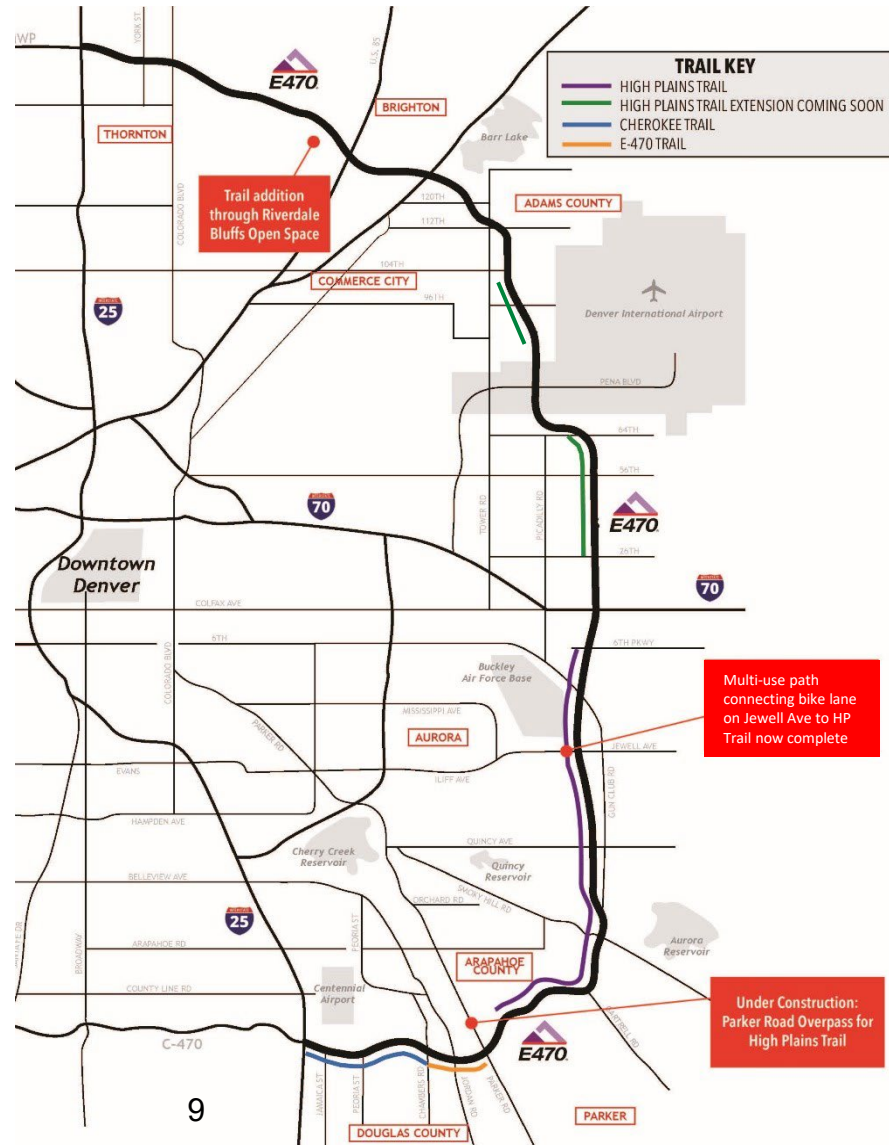
# ROADWAY WIDENING & TRAIL EXPANSION PROJECT

- The 3-year project began in 2022 to add a 3<sup>rd</sup> lane from I-70 to 104<sup>th</sup> Ave. (11 miles) – on schedule
- Construction kicked-off September 2022
- Scheduled completion in 2025
- Bridges/grading/drainage built for future 4<sup>th</sup> lane
- New interchanges to serve local development
- Improvements to existing interchanges
- Relocated toll plaza and maintenance facility
- High Plains Trail extended 6 miles





# FROM THE TOLLWAY TO THE TRAILWAY



- E-470 has built more than **17 miles** of trail (E-470 & High Plains)
- Trail extended **another 6 miles** with latest road widening project
- Goal to provide better connections to existing trails in the region
- E-470 will continue partnering with member jurisdictions on regional trail projects





# SUPPORTING REGIONAL INITIATIVES

- Riverdale Bluffs Trail – **Adams County**
- EV Charging Stations – **RAQC**
- Sable Interchange – **Brighton and Adams County**
- Quebec Interchange – **City of Thornton**
- Tower Road/Peña Ramp – **Commerce City**
- 120<sup>th</sup> Avenue Interchange Signals – **Commerce City**
- Quincy Avenue/Gun Club Road Interchange – **Arapahoe County and City of Aurora**
- Stephen D. Hogan Parkway – **City of Aurora**
- High Plains Trail connection to Cherry Creek Trail– **Parker and Arapahoe County**
- 38<sup>th</sup> and 48<sup>th</sup> Avenue Interchanges – **City of Aurora**
- Chambers Interchange – **Douglas County**
- Future Traffic Signals – **Multiple Jurisdictions**





# ENVIRONMENTAL STEWARDS

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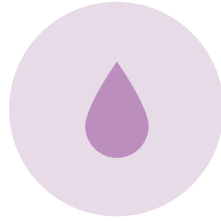
September 25, 2024

# ENVIRONMENTAL STEWARDS AND PARTNERS

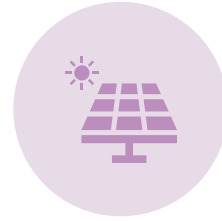
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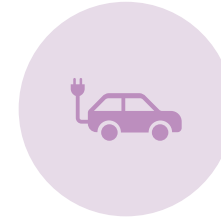
**IMPROVING AIR  
QUALITY**



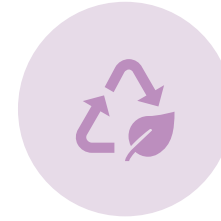
**IMPROVING WATER  
QUALITY**



**SOLAR POWERED  
ROAD**



**SUPPORTING  
ELECTRIC VEHICLES**



**REDUCE, REUSE  
AND RECYCLE**



# SOLAR POWERED ROAD

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15

SOLAR  
ARRAYS  
ALONG E-470

12

YEARS OF  
ENERGY  
PRODUCTION

12

MILLION kWh  
SOLAR ENERGY  
PRODUCED

6

MILLION VEHICLE  
MILES TRAVELED  
CANCELED OUT





# CUSTOMER SERVICE AND SAFETY

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September 25, 2024



# CUSTOMER SERVICE IS A TOP PRIORITY

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- **ExpressToll Customer Satisfaction**
  - 4.66 Stars out of 5
- **E-470 Road Conditions Satisfaction**
  - 4.61 Stars out of 5
- **Most Important Item to Customers**
  - E-470 kept free of snow
- **#1 Reason Customers Choose E-470**
  - E-470 Saves Time!



**\$354.5  
MILLION  
NET VALUE  
OF TIME**



**43.2  
MILLION  
HOURS  
SAVED**





# WHERE SERVICE & SAFETY MEET

- Free 24/7 assistance for all motorists
- Services offered free of charge:
  - Flat tire assistance and jumpstarts
  - Fuel & fluid refills
  - Cell phone service
- Other services provided:
  - Debris & hazard material removal
  - Traffic control during incidents
- Roadside Assistance | By the numbers (2023):
  - **12** minute average response time
  - **30** minute average incident clearance time
  - **9,600** customer assists
  - **15,400** roadside assistance calls handled

\*470



# COMMITMENT TO SAFETY

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- Wrong-way driver prevention
- Cable barrier to prevent crossover
- Deer fence installation
- Variable Message Signs
- 50 cameras along 47-mile corridor
- 24/7 proactive traffic management
- Snow Removal
  - **4** maintenance facilities
  - **12** weather stations
  - **280,000 gallons** liquid treatment
  - **9,600 tons** solid deicer
  - **22** snowplows
  - **Snow fencing** to prevent drifting





# LOCAL, STATE & REGIONAL PARTNERSHIPS

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September 25, 2024



# COLORADO PARTNERSHIPS

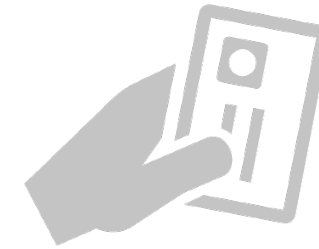
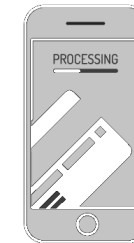
- E-470 named HAZMAT route to support member jurisdictions
  - Moves HAZMAT loads off local streets (2022)
- Colorado Motor Carriers Association (CMCA)
  - 3+ Axle Program offering discounts to commercial vehicles on E-470
- Partnership with Colorado Correctional Industries (2017)
  - Builds business/life skills and prepares individuals to re-enter society
  - Helps E-470 meet growing image review needs
- Colorado State Patrol under contract (1991)
  - Speed/traffic enforcement
  - Incident management/investigation
  - Child safety seat inspections
  - Coverage at special events
  - HAZMAT response



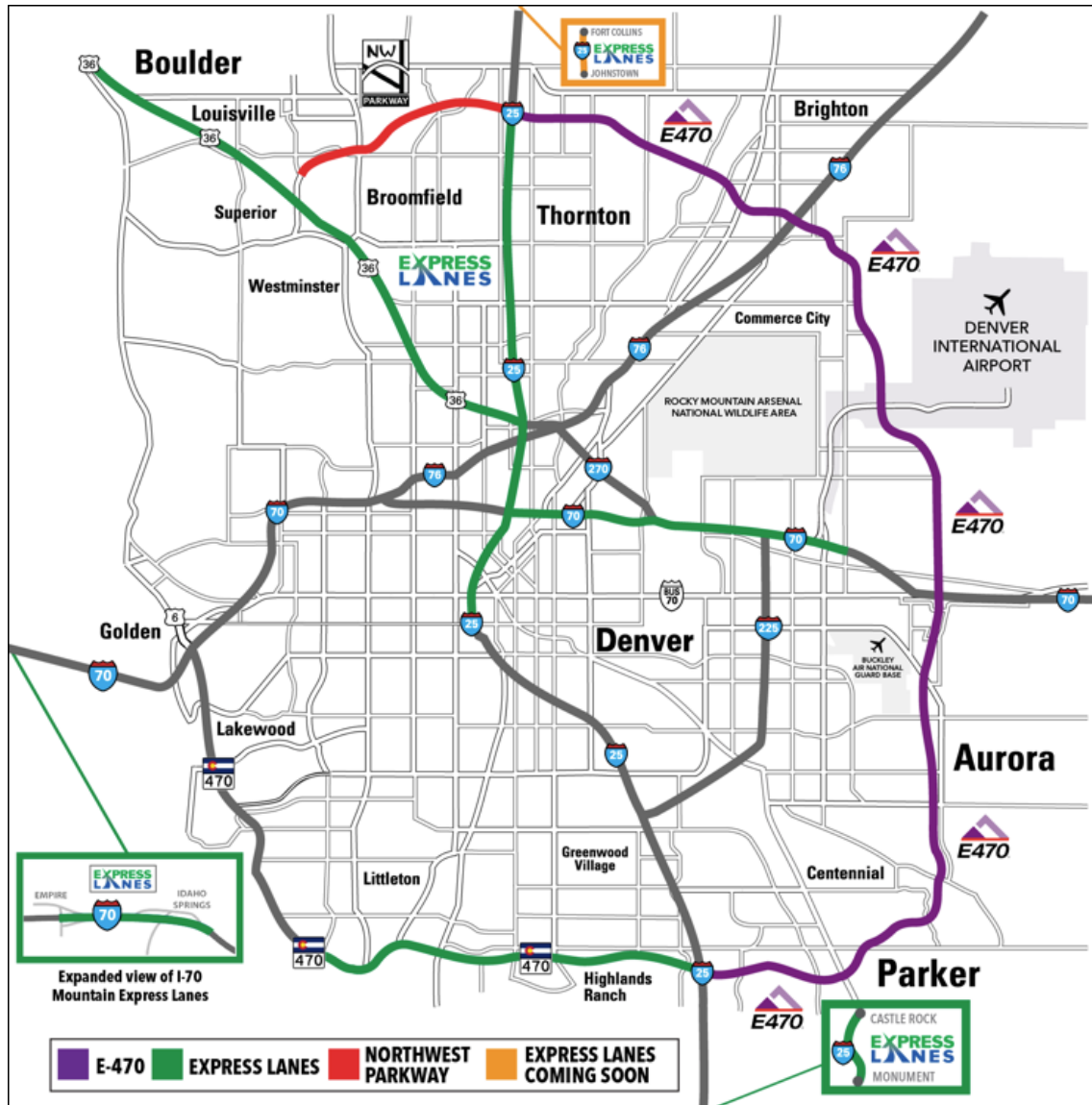
# PROVIDING TOLLING SERVICES TO COLORADO



- E-470 processes tolls for the entire state of Colorado
- Interoperability with central US states
- Tolling systems software development
- Transaction & payment processing
- Business partner correspondence
- Customer service activities
- Marketing & communications
- Billing, courts & adjudication
- Quality assurance



# COLORADO INTEROPERABILITY



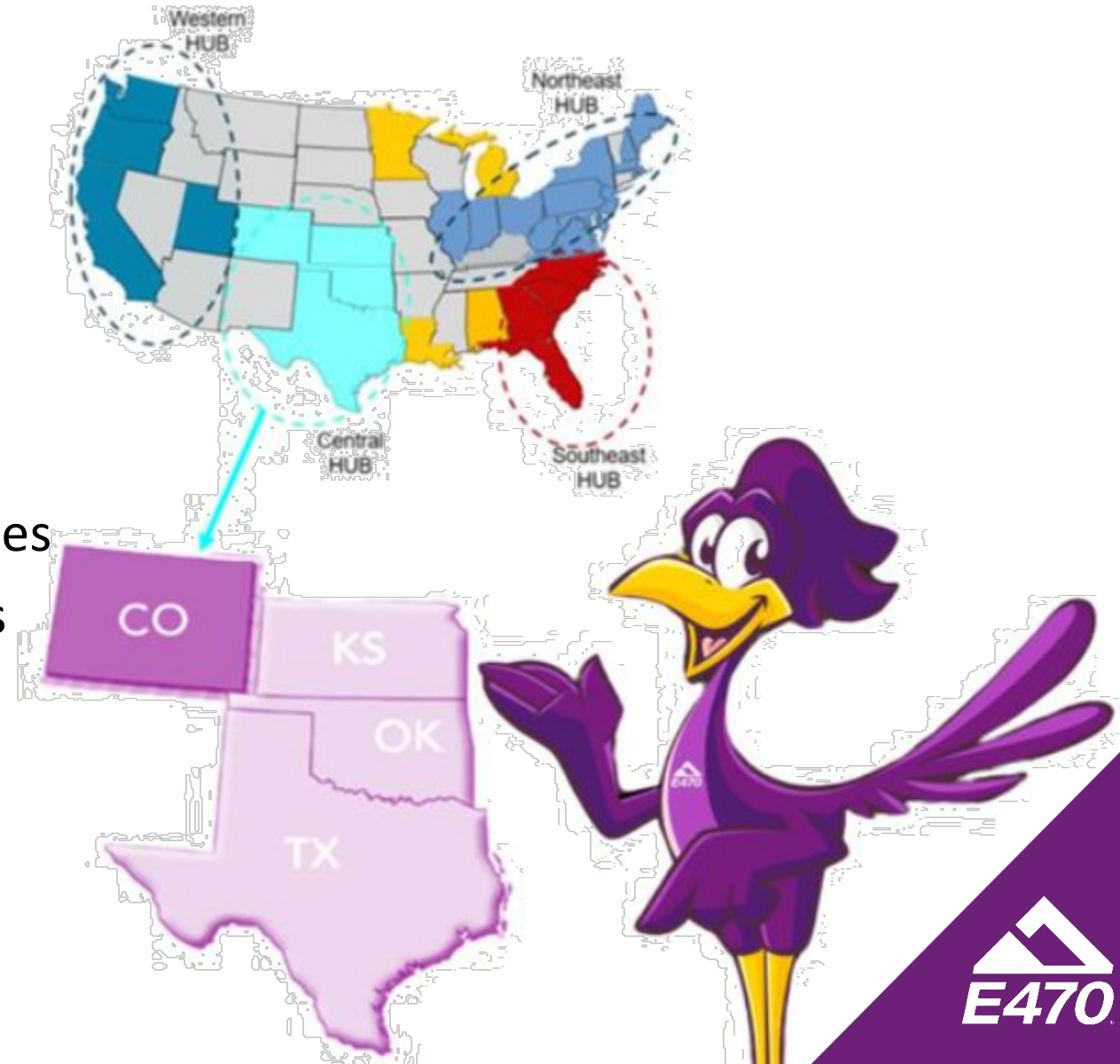
## COLORADO TOLL FACILITIES

- **Toll Roads:**
  - E-470
  - Northwest Parkway
- **Express Lanes:**
  - C-470
  - US 36
  - I-25 Central Denver
  - I-25 South
  - I-70 Central Denver
  - I-70 Mountain Express Lanes
- **Express Lanes (In progress):**
  - I-25 North

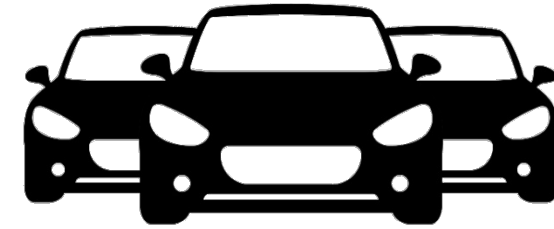


# NATIONAL INTEROPERABILITY

- The Central Hub consists of:
  - Five Texas Member Agencies
  - The Oklahoma Turnpike
  - The Kansas Turnpike
  - **AS OF JUNE 2024: COLORADO!!!**
- Allow for interoperability between agencies
- Reduce expenses and increase collections



# 2023 OPERATING STATISTICS



- **Total transactions processed through E-470's back office**

- 153 million transactions
- 15% increase from 2022

- **E-470 Total Transactions**

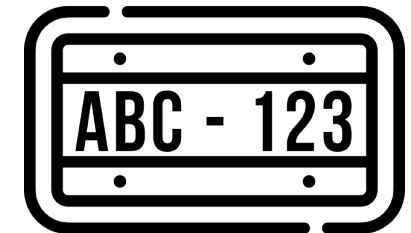
- 95.5 million transactions
- 62.5% of total transactions in CO
- 11% increase from 2022

- **Total Customer Service Calls**

- 982,445 calls serviced
- 12.8% increase from 2022

- **Total License Plate Images Reviewed**

- 79.4 Million images reviewed
- 6.8% increase from 2022



- **ExpressToll Accounts & Transponders**

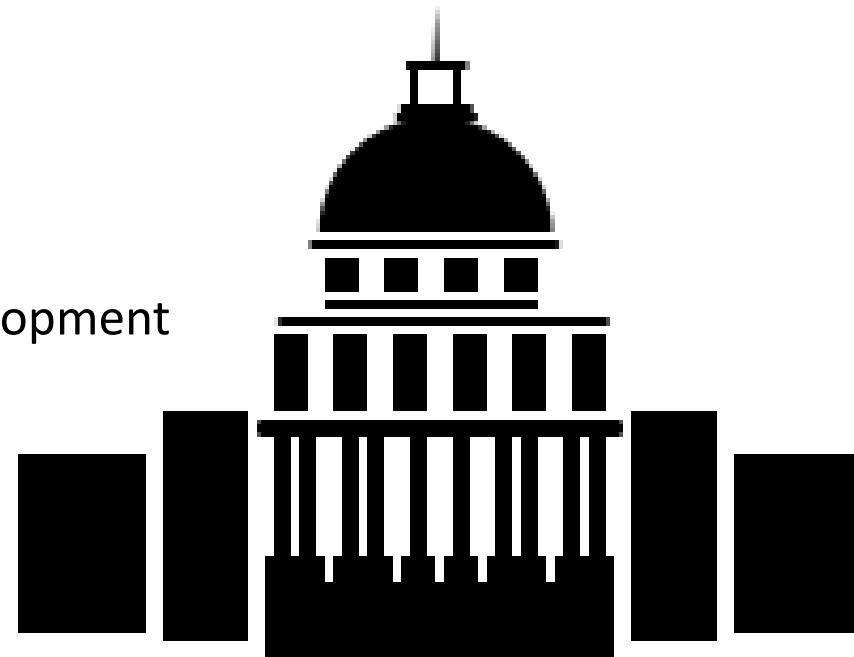
- 1.3 million ExpressToll accounts
- 2.3 million transponders issued
- 175,000 new accounts opened
- 16% increase from 2022



# COMMITMENT TO LEGISLATIVE AFFAIRS

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- E-470 is ready to assist during and outside of legislative sessions
- E-470 supports legislative members and their constituents in any way that we can
- Key areas of interest for the Authority:
  - Legislation involving transportation
  - Legislation involving public employees
  - Legislation involving public authorities
  - Legislation involving land use and property development

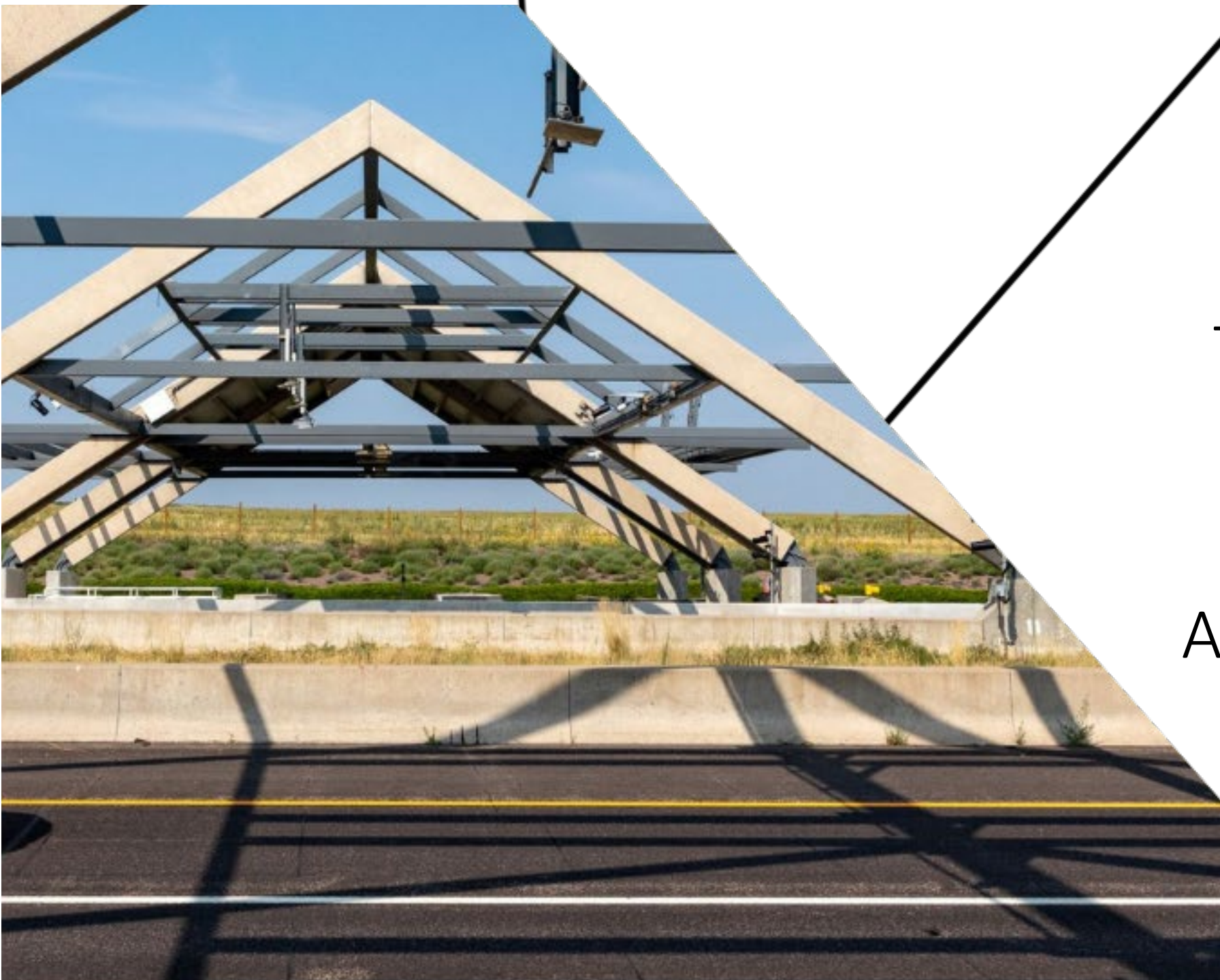


# CONTACT US

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THANK YOU FOR  
YOUR TIME!



ANY QUESTIONS?