

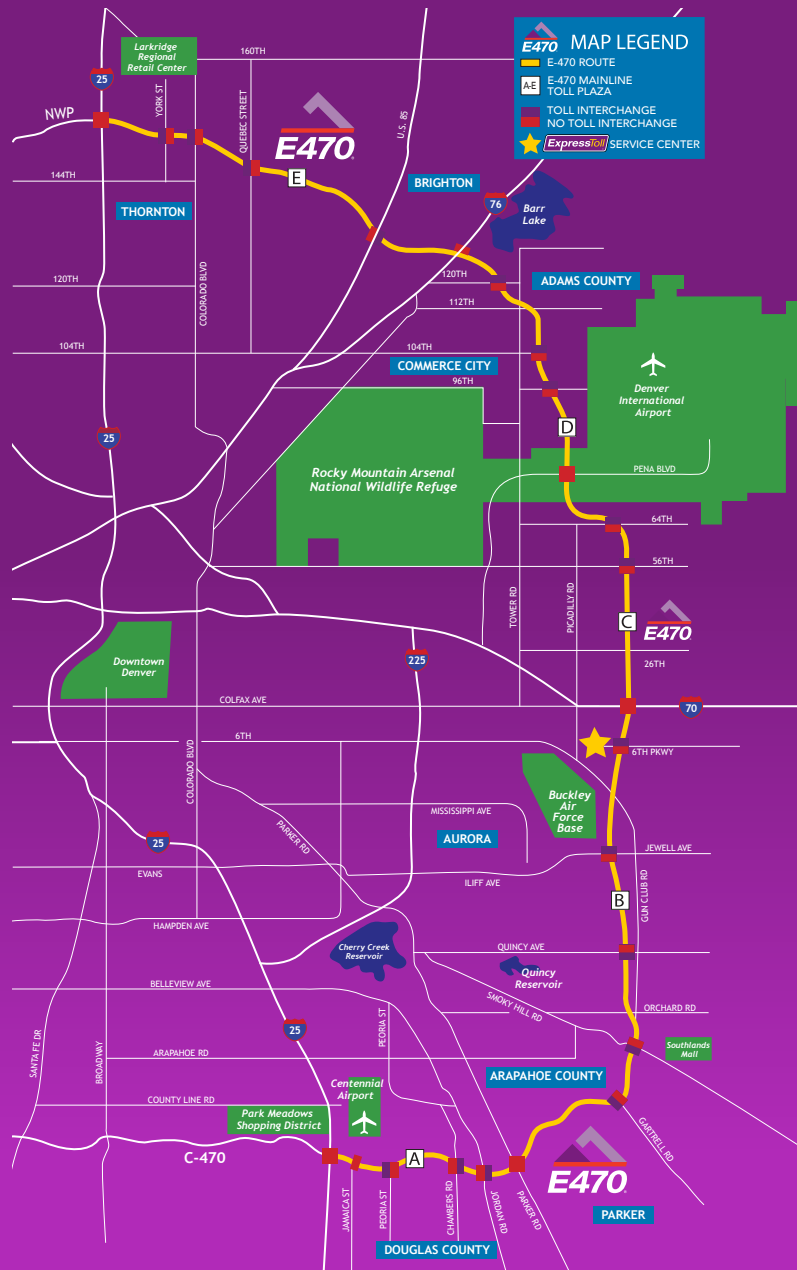


PAVING THE WAY FOR GROWTH

2023 ANNUAL REPORT



E-470 ROUTE



THE ONE CONSTANT IN BUSINESS IS **CHANGE**

As the Denver Metro Area continues to rebound in the aftermath of the pandemic, the Authority is also navigating the path of an ever-changing economic landscape along its 47-mile corridor. The population is growing, the expenses are increasing, the developments are expanding, and the challenge of keeping pace with the growth is being faced by all. Under the leadership of E-470's Board Chair, Council Member John Diak from the Town of Parker, the Authority's Board of Directors continues to carefully balance the external impacts with the needs of its growing customer base.

One thing that has not changed for the Authority, is its purpose of improving the journey for its customers, staff, board members, business partners, member jurisdictions, and all other key stakeholders. Throughout every aspect and within each department of E-470, the team members strive to deliver a positive, consistent, and excellent experience to all.

With this dedication to excellence, E-470 has been able to approach the rapid growth and evolving stakeholder demands with confidence and steady leadership.

When you combine the unprecedented inflation that has swept across the state with E-470's largest capital program in the Authority's history, the staff and the Board of Directors must work together to align the vision of its strategic plan with the technology and infrastructure needs of a modern-day toll road.

Chair Diak believes that when you combine the dedication and experience of the Authority's Staff with the regional support and historical knowledge of its Board of Directors, E-470 is primed to tackle the next round of innovative projects. Diak said, "We will approach the current challenges and the future unknowns with forward-thinking leadership. Furthermore, we will continue to invest in the communities we serve while utilizing our skills to embrace the rapidly evolving transportation landscape in Colorado."

E-470 is proud to provide a safe and trusted choice to the communities it has served for over three decades, and it will continue to pave the way for the support and success of current and future generations.



E-470 PUBLIC HIGHWAY AUTHORITY LEADERSHIP

BOARD OF DIRECTORS



JOHN DIAK
Board Chair
Council Member,
Town of Parker



FRANÇOISE BERGAN
Vice Chair
Council Member,
City of Aurora



JAN PAWLOWSKI
Secretary/Treasurer
Council Member,
City of Brighton



STEVE DOUGLAS
Mayor,
Commerce City



BILL HOLEN
Commissioner,
Arapahoe County



GEORGE TEAL
Commissioner,
Douglas County



CHAZ TEDESCO
Commissioner,
Adams County



TONY UNREIN
Council Member,
City of Thornton

E-470 EXECUTIVE LEADERSHIP



JESSICA CARSON
Director of Public
Affairs



JOE DONAHUE
Director of Finance



ROD TAYLOR
Director of Information
Technology



NEIL THOMSON
Interim Executive
Director and Director
of Engineering and
Roadway Maintenance



ANJIE VESCERA
Director of
Operations

E-470: BACKGROUND

E-470 is the 75-mph toll road that forms a 47-mile semi-circular beltway around the Denver Metro area and provides access to the Denver International Airport. E-470 connects in the south to the I-25/C-470 interchange in Douglas County, and in the north to the I-25/Northwest Parkway interchange in Adams County. The highway was built in segments, with the first segment opening in June 1991 and the final segment opening in January 2003.

The toll road has been financed, constructed, operated, and governed by the E-470 Public Highway Authority and it does not receive any local, state, or federal funding. The Authority is a political subdivision of the State of Colorado, operating as an enterprise under state statute, and is self-sustaining, generating its own revenues without recourse to taxpayer funds.

The Authority is composed of its eight member jurisdictions. Each jurisdiction has one voting member on the E-470 Board of Directors. Five local governments and four area agencies also participate as non-voting members. Non-voting members do not directly set Authority policies, but they do provide important support to voting members to ensure the necessary context to guide the Authority in its decision-making process.

Eight Voting Members

- Adams County
- Arapahoe County
- Douglas County
- Aurora
- Brighton
- Commerce City
- Town of Parker
- Thornton

Non-Voting Local Governments

- City of Arvada
- City and County of Broomfield
- City of Greeley
- City of Lone Tree
- Weld County

Non-Voting Agencies

- Colorado Department of Transportation
- Denver Regional Council of Governments
- Regional Air Quality Council
- Regional Transportation District



THE E-470 GOOD GUYS

E-470 is dedicated to community stewardship. The E-470 Good Guys is a team of employees who charitably give back, fundraise, and volunteer their time to serve our neighbors and support local nonprofit organizations. The Good Guys volunteer for Food Bank of the Rockies, donate coats to Coats for Colorado, provide candy during the Halloween season to local shelters, and support the Salvation Army Angel Tree and the Buckley Adopt-a-Family program.

2023 Highlights:

- Boxed nearly 15,000 meals at Food Bank of the Rockies with a small team of E-470 staff
- Donated over 4,000 pieces of candy to Denver Children's Home, Gateway Domestic Violence Services, and the Tennyson Center for Children
- Donated over 95 gifts to 40 local children and adults through the Salvation Army Angel Tree
- Sponsored a family through the Operation Christmas Spirit Organization
- Gathered and donated many new and gently used coats to Coats for Colorado
- Held organizational fundraising activities to collect funds to donate to local charities



TRANSPORTATION SAFETY FOUNDATION BREAKS RECORDS

The E-470 Transportation Safety Foundation (TSF) was established in June of 2001 in celebration of E-470's 10th anniversary. The foundation raises funds to provide donations and grants as a means of promoting transportation safety in the region. In 2023, the TSF Golf Tournament raised \$90,000 to fund future grants. This fundraising event and those from the past allowed the foundation board to award 15 grants in 2023 totaling \$60,000, the most in its history, to local nonprofit organizations to fund transportation safety programs along the corridor.



2023 GRANT WINNERS

- Arapahoe County Early Childhood Council
- Aurora Fire Rescue
- Castle Rock Senior Activity Center
- Children's Hospital Colorado Foundation
- Colorado Teen Parent Collaborative
- Denver Police Museum
- DRIVE SMART Weld County
- Forge Evolution
- Littleton Public School's Driver Program
- Save Our Youth
- South Metro Safety Foundation
- Special Olympics Colorado
- The Refuge
- Thriving Families
- WeeCycle



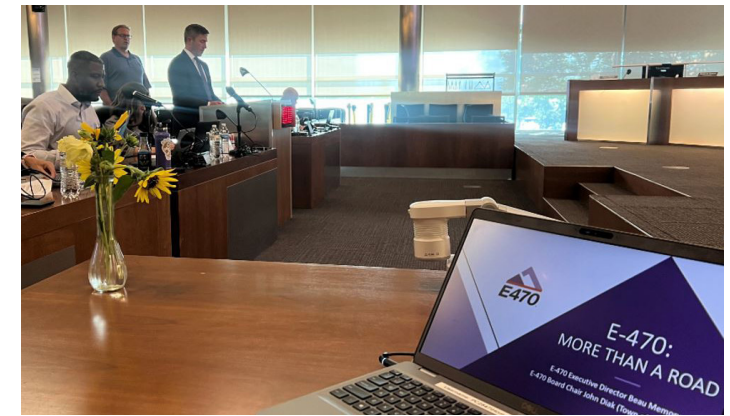
Additionally, the TSF was able to fund 25 Colorado high schools with \$300 each to support After Prom events, providing students with safe and fun activities on prom night.



SUPPORTING OUR **MEMBER JURISDICTIONS**

E-470 is owned and governed by its eight member jurisdictions. Each year, the Authority budgets to sponsor community events in each of its three counties and five municipalities. This is an opportunity for E-470 to support its partners along the corridor, to represent our organization at these local fairs and celebrations, and to provide a face to our name in the public. In 2023, the Authority sponsored:

- Adams County Fair
- Adams County Veterans Memorial
- Arapahoe County Chalk Lines & Vines
- Arapahoe County Pictures on the Plains
- Arapahoe County 5K Trail Run
- Arapahoe County Treat Street
- Arapahoe County Visit the Village
- Arapahoe County Fair
- Aurora Smores on the Shore
- Aurora Fall Into Fun
- Brighton Summerfest
- Brighton Festival of Lights Parade
- Commerce City Wild for Life Triathlon
- Commerce City Tree Lighting Event
- Douglas County Fair & Rodeo
- Parker Days Festival
- Thornton 4th of July Festival



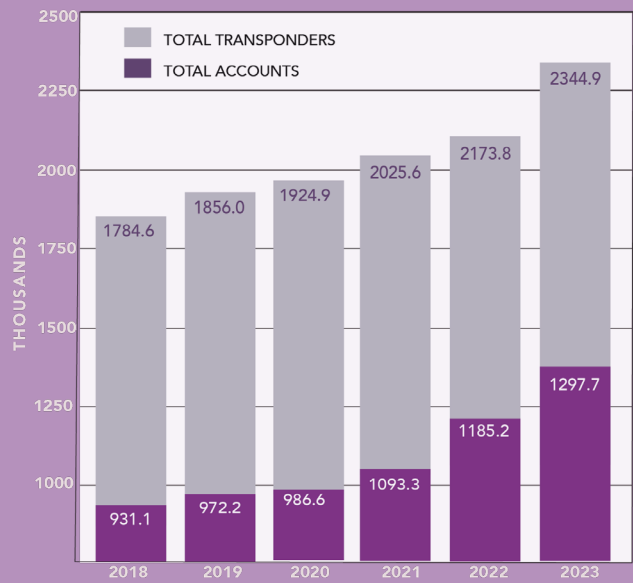
CUSTOMER **EDUCATION PROGRAM**

The E-470 Customer Education and Community Outreach Program was designed to increase stakeholder knowledge and awareness of E-470 as a favorable transportation option for Denver-area travelers, as well as educate the public about how the Authority serves as more than just a tollway. This initiative was launched in 2018, but the efforts were discontinued when the pandemic hit in 2020. The program was re-established in 2023, with Authority leadership visiting its member jurisdictions to educate their elected officials on the benefits of E-470.

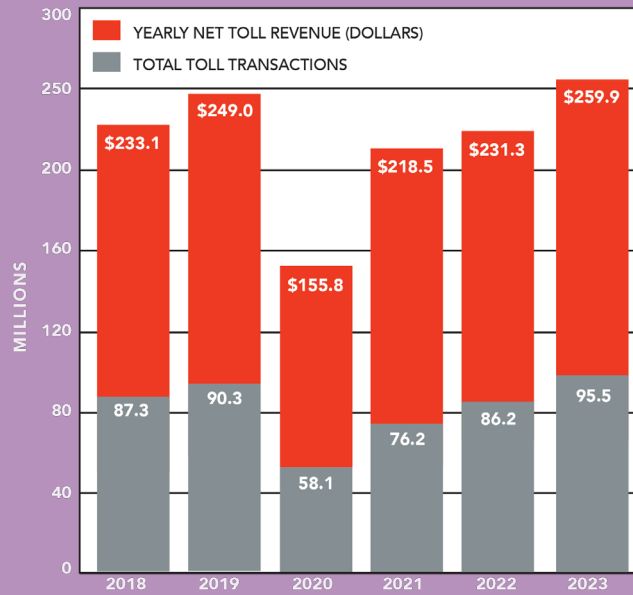
2023 **ROADSHOWS**

- Adams County Commissioner's Office
- Adams County Regional Economic Partnership (AC REP)
- Arapahoe County Board of Commissioners
- Aurora Mayor and City Council
- Brighton City Council
- Commerce City Council
- Douglas County Board of Commissioners
- Lone Tree City Council
- North Area Transportation Alliance (NATA)
- Northglenn City Council
- Parker Town Council
- Parker Government Affairs Committee
- Parker Rotary Club
- Thornton City Council

EXPRESSTOLL ACCOUNTS
AND TRANSPONDERS



E-470 YEARLY TOLL REVENUE
AND TRANSACTIONS



2023 FINANCIAL OVERVIEW

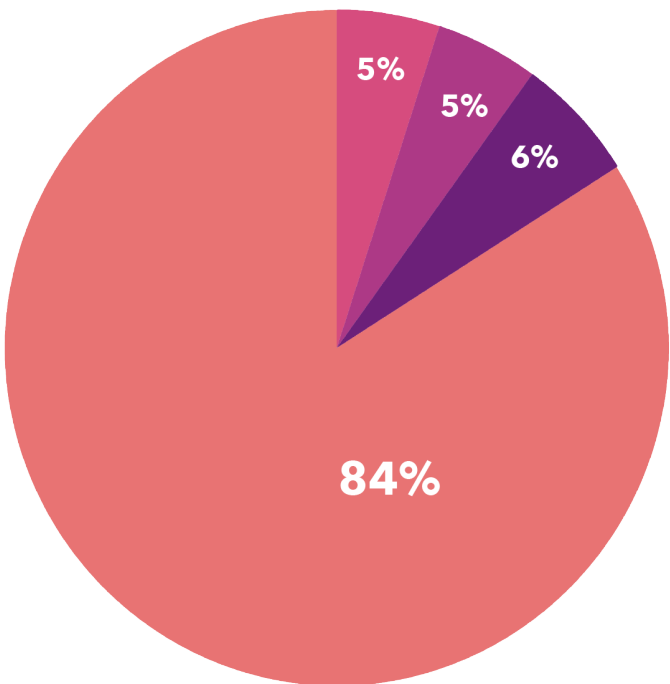
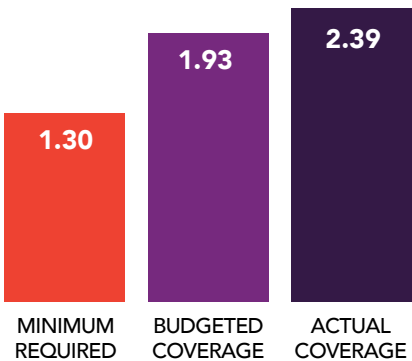
2023 OPERATING REVENUES

	2023 BUDGET	2023 ACTUAL
Tolls	\$ 234,008,000	\$ 259,872,481
Other fees	11,750,000	14,689,008
Unrestricted Investment Income	6,000,000	15,184,222
Other Income	13,805,000	20,039,462
TOTAL	\$265,563,000	\$309,785,173

2023 OPERATING BUDGET

	2023 BUDGET	2023 ACTUAL
Operating Revenues	265,563,000	309,785,173
Operating Expenses	(70,217,000)	(67,186,037)
Net Income Available for Senior Debt Service	195,346,000	242,599,136
Aggregate Senior Bonds Debt Service, Net	101,450,000	101,382,826
Senior Bonds Debt Service Coverage Ratio	1.93	2.39

2023 DEBT SERVICE COVERAGE



2023 REVENUES: \$310 MILLION

- 84% Tolls
- 5% Other Fees
- 5% Unrestricted Investment Income
- 6% Other Income

2023 FINANCIAL STATEMENTS

STATEMENT OF REVENUES, EXPENSES & CHANGES IN NET POSITION

Operating revenues	Year ended December 31, 2023
Tolls	\$ 259,872,481
Other fees	14,689,009
Tolling services	13,088,846
Total operating revenues	287,650,336
Operating expenses	
Toll road operations	59,664,971
Salaries and benefits	11,897,967
General and administrative	4,052,364
Total operating expenses before depreciation and amortization.	75,615,302
Depreciation and amortization.	41,606,027
Total operating expenses	117,221,329
Operating income	170,429,007
Nonoperating revenues (expenses)	
Investment income	19,230,784
Change in fair value of derivative instruments and investments	8,291,032
Interest expenses	(74,439,988)
Intergovernmental revenue	20,721,541
Other income	6,207,308
Total nonoperating expenses, net	(19,989,323)
Income before intergovernmental expense	150,439,684
Intergovernmental Expense	(901,660)
Change in net position	149,538,024
Net position, beginning of year	(82,150,434)
Net position, end of year	\$ 67,387,590

STATEMENT OF NET POSITION

Assets	As of December 31, 2023
Current unrestricted assets	\$ 424,984,058
Current restricted assets	78,624,178
Capital assets (net of accumulated depreciation)	726,582,921
Other noncurrent assets	182,238,836
Total assets	1,412,429,993
Deferred outflows of resources	32,292,798
Total assets and deferred outflows of resources	1,444,722,791
Liabilities	
Other current liabilities	92,297,824
Current bonds payable	91,940,000
Other noncurrent liabilities	20,774,253
Noncurrent bonds payable	1,169,316,668
Total liabilities	1,374,328,745
Deferred inflows of resources	3,006,456
Net Position	
Net investment in capital assets	233,942,030
Unrestricted	(166,554,440)
Total net position	67,387,590
Total liabilities and deferred inflows of resources and net position	\$1,444,722,791





PRE-PANDEMIC NUMBERS RETURN

2023 proved to be the year of recovery to pre-pandemic levels. The Authority finished the year over 5% higher than 2019 toll transactions and over 4% above toll revenue amounts. These 2023 year-end numbers are about the level that the Authority performance would have been in 2020 had the pandemic not happened. Even with great traffic and revenue results, the Authority still faced inflated prices for goods and services that put pressure on the operating and capital budgets. Inflation did ease up by the end of the year; however, prices were still much higher than anticipated when budgets were established at the end of 2022. Staff, under direction of the Board, was able to reduce spending in many areas to manage the higher costs.

The Authority remained proactive to successfully manage its operational costs, budget, capital projects, financial position, liquidity, and key financial metrics including debt service coverage. E-470 is self-funded and financed, and does not use any local, state, or federal funding. It is a financially stable roadway that is actively paying down its debt and expanding services to meet the continually growing demand of the communities it serves.

Overall, the Authority ended 11% over 2022 traffic, but more importantly exceeded pre-pandemic levels that were recorded in 2019. Transactions also came in at 103% of projections. This correlated to net toll revenues finishing at 111% of budget, and other revenues including toll fees and fines and investment income finished the year over budget allowing the Authority to end the year at 117% of total budgeted revenue. This coupled with finishing the year at 96% of operating expenses and debt service paid of \$101.4 million yielded a debt service coverage ratio of 2.39. This ratio is the highest ever achieved by the Authority.

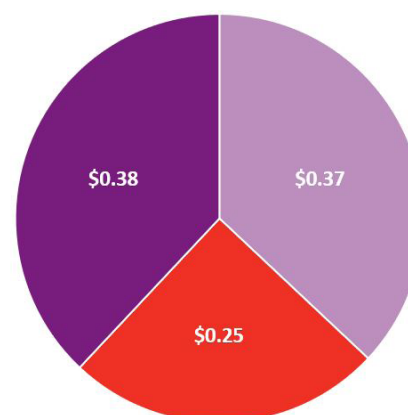
In 2023, the Authority received bond rating upgrades from two bond rating agencies. In May, S&P upgraded the underlying bond rating from "A" to "A+". Then in July, Moody's followed suit with an upgrade of the underlying bond rating from "A2" to "A1". The Authority also maintained compliance with its debt management plan, which includes financial goals for year-end results and achieving savings on debt transactions and structure, which will allow the Authority to continue to invest in future phases of expansion, technology, and infrastructure improvements.



TOLL RATES FROZEN AND TOLL DOLLARS AT WORK

Your toll dollars stay here in Colorado, and E-470 is happy to announce that toll rates are staying put too. E-470 made Authority history in 2022 when it lowered toll rates at all locations for the first time in its 30+ years of service. The toll rates remained frozen in 2023, and at the end of the year, the E-470 Board of Directors voted to keep those rates frozen into 2024 as well. E-470 is a choice, and so it is important that customers understand how those toll dollars are used. The chart below shows the breakdown of how each dollar of revenue is spent.

WHERE DOES \$1.00 OF TOLL REVENUE GO?



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

ANNUAL CUSTOMER EXPERIENCE SURVEY

Each year, the E-470 Public Highway Authority asks customers to share their experience. These responses help the Authority identify ways to make the experience better for every customer and inform the Authority's future project plan and investments. More than 45,000 people responded to the 2023 survey, which covered customer demographics, communication channels, payment methods, road conditions, and satisfaction with E-470 and ExpressToll. Full survey results can be found in the News and Updates section of E-470.com.

SURVEY HIGHLIGHTS

- ExpressToll service satisfaction rating:
4.61 out of 5 stars
- Road conditions satisfaction rating:
4.69 out of 5 stars
- The most important item to E-470 customers: **E-470 is kept free of snow**
- The #1 reason customers choose E-470: **E-470 saves time**

EXPRESSTOLL BY THE NUMBERS IN 2023

- ExpressToll accounts opened:
175,000
- Total active ExpressToll accounts:
1.3 Million
- Total outstanding transponders:
2.3 Million
- Inbound customer service calls:
982,445
- Image transactions processed:
79.4 Million



PAVING THE WAY WITH A ROAD WIDENING PROJECT

Construction crews were hard at work on the latest E-470 Road Widening Project from I-70 to 104th Avenue. In the past year, crews have completed grading for the new lanes from I-70 to 56th Avenue, began working on the second phase of the project from 56th to north of Peña Boulevard, started constructing the High Plains Trail expansion, and worked on two new interchanges.

Crews also set the structure for Toll Plaza C's new gantry location just north of 26th Avenue in Aurora. The relocation of this plaza made room for the new 38th Avenue interchange. These new interchanges at 38th and 48th Avenues are the largest activities within the Road Widening Project. The new northbound 38th Avenue off-ramp near the Aurora Highlands opened in December. This new 38th Avenue interchange, along with another at 48th Avenue, will greatly improve connectivity and traffic flow to newly developed communities in Green Valley Ranch and the Aurora Highlands neighborhood.



CURRENT PHASE: I-70 TO 104TH AVE (11 MILES)

- Construction kicked-off September 2022
- Anticipated to be complete in 2025
- Widening to 3 travel lanes each direction
- Other work to prepare for future build out of 4 travel lanes in each direction

Other Travel Enhancements:

- 38th Ave – New Interchange
- 48th Ave – New Interchange
- 64th Ave – Expansion
- Pena Blvd – Expansion
- High Plains Trail - Expansion 26th to 64th Avenues and 88th to 104th Avenues



FROM TOLLWAY TO TRAILS

Along with the Road Widening Project is the expansion of E-470's trail system. E-470 has built more than 12.5 miles of the High Plains Trail, and another six miles will be added with the latest road widening project. The extensions also included infrastructure upgrades at multiple interchanges to create safer road crossings for trail users. The goal is to provide better connections for people on foot and on bikes to existing trails in the region, including the Cherry Creek, Piney Creek, Happy Canyon, and C-470 Trails.

E-470 is also proud to partner with others in the community and support Arapahoe County with the High Plains Trail Connector Project. Phase one of installing a pedestrian bridge over six lanes of Parker Road was completed in November 2023. The project is now in its second phase and is slated for 2024 completion. This will ultimately connect the High Plains Trail to the Cherry Creek Trail and result in improved trail safety, access, and connectivity across Arapahoe County and the Denver metro region.

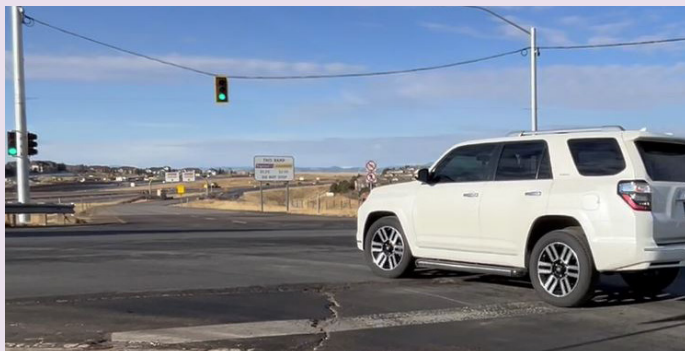
SAFETY ENHANCEMENTS

E-470 continues to make safety a top priority by investing in enhancements on and off the roadway. In 2023, the Authority made the following improvements to continue providing a safe commute for its customers.



IMPROVED INTERSECTION SAFETY

E-470 drivers in Aurora may have noticed new traffic signals at the Gartrell Road interchange. These signals were installed in partnership with the City of Aurora to help improve visibility and facilitate safer left turns at ramp locations on Gartrell Road. As part of our commitment to safety, E-470 funded around 1.2 million dollars for the signals, which were operational in January 2024.



NEW CABLE BARRIER LOCATIONS

The cable barrier is installed in the median along all 47 miles of E-470 and was added at additional select ramp locations to mitigate vehicle run-offs. This helps prevent cross-over accidents by absorbing the crash's kinetic energy and keeping the vehicle in place rather than rebounding it back into traffic or across the median into oncoming traffic. Approximately 5,442 feet of new cable barrier at four locations was installed in 2023.

UPGRADED SIGNAGE

Sign upgrades include replacing faded signs, adding new blinking chevron signs, and adding backlit do not enter signs. Wrong-way flashing signs and traffic direction arrows on the pavement are at all E-470 off ramps as a standard safety feature. The Authority added solar-powered backlit "do not enter" signs as well to help capture the attention of wrong-way drivers at night and during inclement weather. In addition, these flashing signs were also added at points along the corridor to prevent crossing over the median and traveling in the wrong direction.



FREE ROADSIDE ASSISTANCE BECOMES MORE ACCESSIBLE

The E-470 Roadside Assistance team provides free, 24/7 help to motorists along the roadway. The fleet of vehicles was upgraded last year with enhanced features including:

- Front push bumpers to clear disabled vehicles from the roadway faster
- Kinetic tow ropes to assist stranded or stuck motorists
- Slide out beds for safer access to tools
- Portable air compressors for quicker assistance
- High-vis, retroreflective graphics, and additional strobe lights for better vehicle visibility

In addition, the Roadside Assistance team is now even easier to reach for help along the corridor. Any customer with a mobile phone can now dial *470 to be connected directly to roadside assistance dispatch for help along E-470 24 hours a day and seven days a week.





EV CHARGERS KEEP YOU MOVING

E-470 is proud to support electric vehicles and has done so for over five years, free to the public. Outside the ExpressToll Service Center walk-up entrance are two ChargePoint EV charging stations, which allow four EVs to charge simultaneously. These upgraded charging stations deliver an 80% charge in approximately 30 minutes.

E-470'S SOLAR FOOTPRINT

Along with EVs, E-470 is advancing with solar power. E-470 has 15 solar arrays along the corridor. Since December of 2012, those 15 arrays have produced over 12 million kWh of solar energy, which is enough to cancel out around 6,000,000 vehicle miles traveled. In addition, E-470 now offsets an average of 44% of its total energy costs on an



OTHER SUSTAINABLE EFFORTS

The Authority is committed to finding ways to reduce the amount of waste we send to landfills and reuses and recycles materials where possible. In 2023, the Authority recycled 13.5 tons of metal cable rail, fence, and guard rail from accidents/incidents, and metal signage and lights that were at the end of their service life.

E-470 is proud to report that Capital Projects such as the Road Widening Project utilized up to 25% recycled materials in the new asphalt pavement? The Authority also recycled asphalt millings in the shoulder section for soil stabilization, and added roadside safety. Also, concrete pavement that was removed from the Road Widening Project was crushed and re-used on site instead of being sent to a landfill.

The Authority continues its efforts to reduce energy consumption where possible. In 2023, the Authority replaced high pressure sodium lights with LED lights at 90 high mast light locations. We are excited to continue to light your journey with an energy efficient solution.



PROTECTING AIR AND WATER QUALITY

E-470 cares about its impact to the community and improving water quality. The Cherry Creek and Barr Milton Watersheds are adjacent to E-470, and E-470 plays a critical role in keeping those watersheds clean through a Non-Standard Municipal Separate Storm Sewer (MS4) Permit with the Colorado Department of Public Health and Environment that was recently extended through 2026. In 2023, the Authority engaged with watershed specific education campaigns with a

focus on nutrients such as phosphorous and nitrogen, and litter control/illegal dumping, which can have negative impacts to our local waterways.

In addition, E-470 is also a member of Arapahoe County's Stormwater Permittees for Local Awareness of Stream Health (SPLASH). In September, E-470 partnered with SPLASH, Arapahoe County, Southeast Metropolitan Stormwater Authority, and CDOT to host a rain barrel workshop. There were 25 participants who received a rain barrel and were educated on the benefits and installation of rain barrels, as well as how rain barrels promote water conservation and stormwater quality.

Last, the Authority has a partnership with the Regional Air Quality Council (RAQC) to decrease air pollution and provide air quality outreach to its customers through the Simple Steps Better Air Program with messaging on ozone alert days, combining trips, and mowing tips amongst others. In 2023, the Authority met the DRCOG 2015 PM-10 emission reduction commitment (45%) to reduce sand usage. This is accomplished with best management practices for snow and ice removal operations to mitigate PM 10 which can contribute to air pollution.

ONE PROJECT COMPLETED AND ANOTHER ON THE HORIZON

NEXT GENERATION LANE TOLL SYSTEM FULLY INSTALLED

E-470 kicked off its Next Generation Lane Toll System planning and design during the summer of 2020. The installation of new tolling equipment is now complete along all 47 miles of E-470. During the multi-year project, crews converted technology and upgraded equipment to a next-generation lane tolling system at each E-470 tolling point. The new system improves billing accuracy and reliability and allows E-470 to become interoperable with other tolling agencies.

E-470 TO JOIN THE CENTRAL HUB

The E-470 Board of Directors voted to move forward with plans to join the Central United States Interoperability Hub (Central Hub) in 2022. With this initiative, Colorado will become the fourth state in the Central Hub, joining Texas, Oklahoma, and Kansas. This interoperability agreement means ExpressToll account holders will be able to utilize their transponder in other states within the Central Hub to pay for tolls incurred in those tolled facilities. In addition, out-of-state customers will be able to use their home state accounts to pay for tolls incurred in Colorado. E-470 is currently underway with testing and hopes to become active in the Central Hub during the summer of 2024. The ultimate vision is for the Central Hub to join with existing hubs in the northwest, southeast, and western states to allow for interoperability across the country.

PAVING THE WAY FOR GROWTH



Public Highway Authority

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