

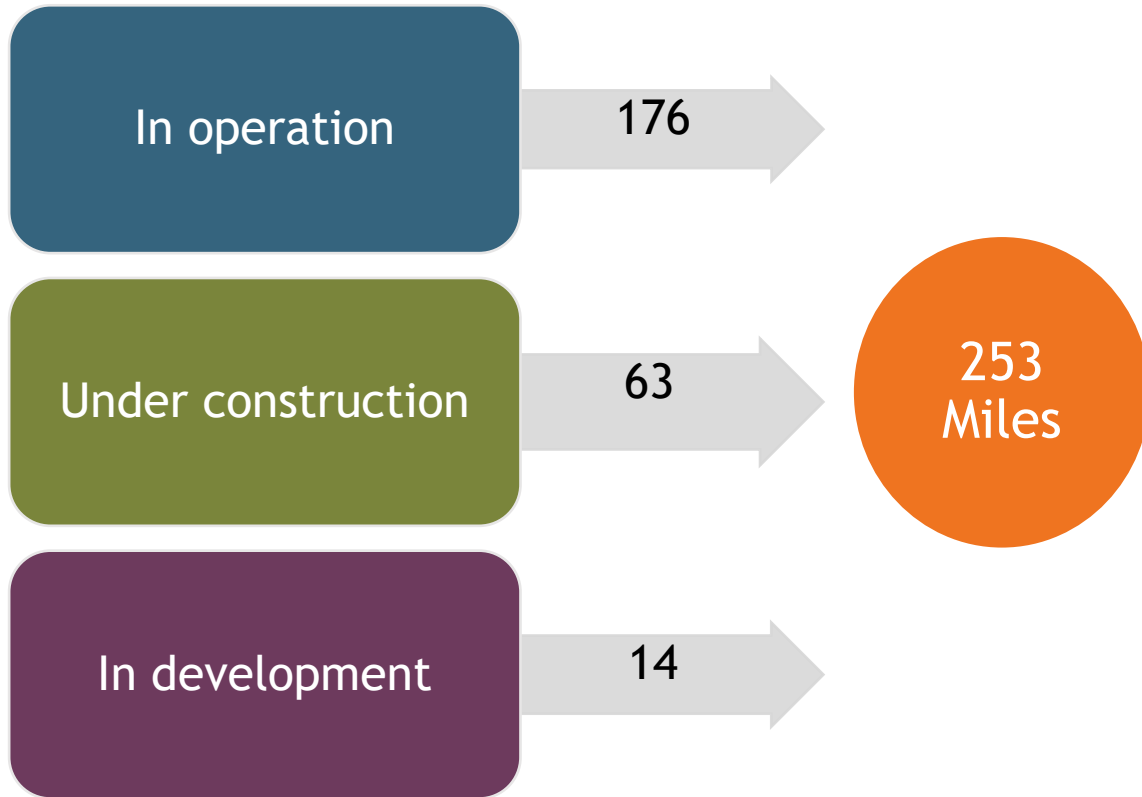


COLORADO
**Transportation
Investment Office**

CTIO Tolling Operations Center

Board update April 2025

CTIO Express Lanes Network





















































What's Changed?

- New Corridors- Central 70 and South GAP for Tolling
- Additional workload resulting from STEP on all corridors
 - Additional FTE per shift
 - Logging and Coordination with vendors
- Lane Closures Request Processing
- Attending Key Stakeholders Meetings
 - Tabletop Exercise
 - Multi Agency Traffic Incident Management Planning
 - Go Live Coordination
- Additional FTE coverage for:
 - Rush hour/major incident coverage
 - Sick days, annual leave, FMLA
 - Training
 - Leadership Journey
 - New employee onboarding
 - Required CDOT classes

Coming Soon

- 24/7/365 coverage
 - Change to 3 shifts structure, instead of a rolling shift start model
- Text Messaging Alert System for MEXL
- Traffic Incident Management App STEP Reports
- Additional Corridors with Express Lanes and STEP
 - I-25 Seg. 5, 6, 7, and 8
 - Floyd Hill

CTIO Operations Staff Growth by Year

YEAR	2019	2020-21	2022-2023	2024	2025-30
Support Staff Hired 	  	      	       	       	                      
Express Lane # 1	I-25 Segment 2	C470	C470	C470	C-470
Express Lane # 2	I-25 Segment 3	I-25 Segment 2	I-25 Segment 2	Central 70	Central 70
Express Lane # 3	MEXL (EB)	I-25 Segment 3	I-25 Segment 3	I-25 Segment 2	Floyd Hill
Express Lane # 4		MEXL (EB)	MEXL (EB)	I-25 Segment 3	I-25 Segment 2
Express Lane # 5			MEXL (WB)	I-25 South GAP	I-25 Segment 3
Express Lane # 6				MEXL (EB)	I-25 Segment 5
Express Lane # 7				MEXL (WB)	I-25 Segment 6
Express Lane # 8					I-25 Segment 7 & 8
Express Lane # 9					I-25 South GAP
Express Lane # 10					MEXL (EB)
Express Lane # 11					MEXL (WB)
Express Lane # 12					I-270

CTIO Tolling Operations Center Goals

- Be a command-and-control technical support center specifically designed to monitor the entire Express Lanes network 24 hours a day, seven days a week:
 - Roadway toll collection systems
 - Safety and Toll Enforcement Program (STEP)
 - Equipment and systems performance
 - Software and facilities
 - Toll Road Incident Management
 - Lane Closure Requests
- Have all information depicted visually, utilizing high-tech wall-size monitors with map overlays, status charts and alarm screens.

Peer Agency Tolling Operation Centers

NCTA



North Carolina Turnpike Authority (NCTA)

- Traffic Management Center (TMC)
- Control Center Operations
- Courtesy Patrol Dispatch
- Communications with Media and External Agencies

CTRMA



Central Texas Regional Mobility Authority (CTRMA)

- Traffic & Incident Management Center (TIM)
- Monitor and Manage Dynamic Rates
- Coordinate Resources for Incident Management
- Monitor Express Lanes and Open Road Toll Facilities

CTIO Operations Center 3D Model



Key Project Details

- CTIO will enter into a lease agreement with CDOT to facilitate the construction of the new tolling operations center and pay ongoing rent for the completed space.
- Approximately 10-11 months from solicitation for design engineers, to construction to CTIO certificate of occupancy.
- CDOT property management team will oversee manage the project.
 - \$1.0 M estimated buildout cost
 - Total square feet 3,142
 - \$22.36 per/sq. foot, 3% escalation per year
 - \$373,000 for the first 5 years

Next Steps

Following sign off on the traffic operations center proposal by the Board, CTIO staff will:

- Add key details to the lease agreement template and seek Board approval of the lease agreement in May.
- Bring a budget amendment in May to request budget allocation approval for the initial project costs and ongoing rent.
- Begin working with CDOT property management on crafting a solicitation for the initial design work.

Questions?