

Connecticut Department of Transportation

Capital Plan – Overview

January 2024



Presentation Purpose and Outline



Capital Plan Overview



Funding the Capital Plan



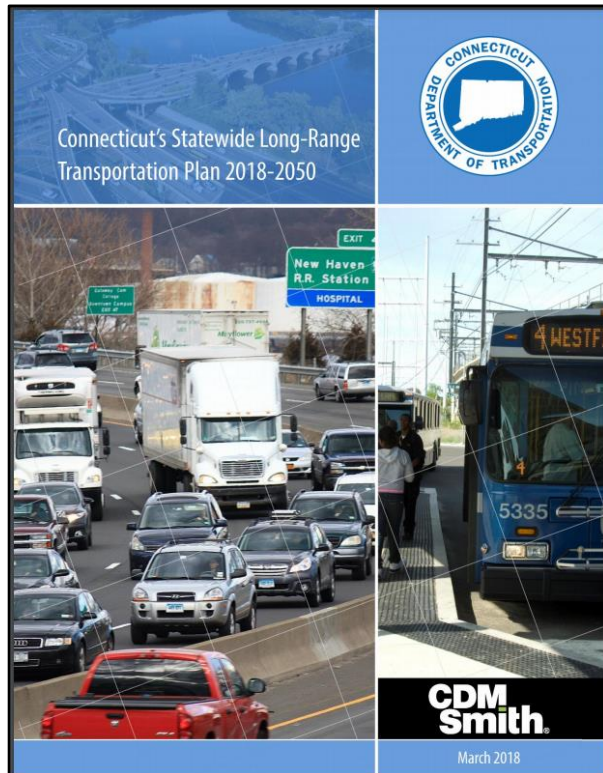
Major Initiatives, Programs, and Projects

Capital Plan Overview



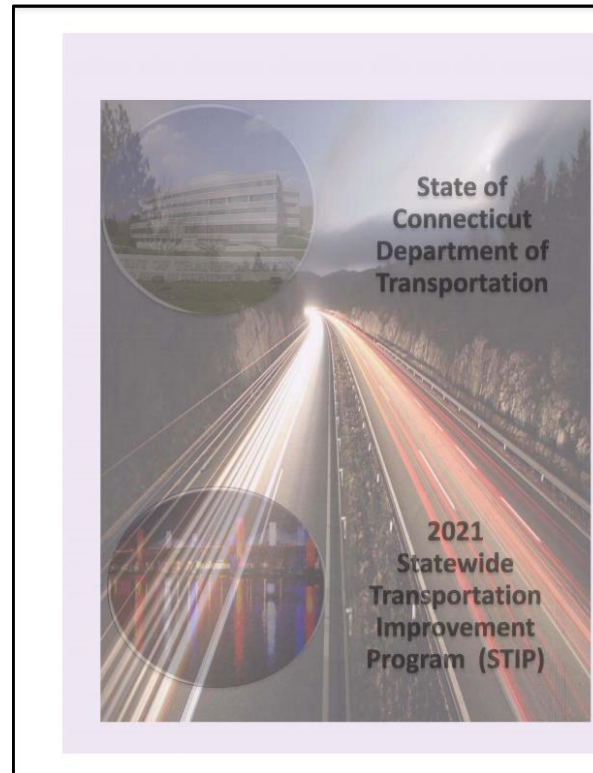
Transportation Documents – How They Fit Together

The Vision --> Where we want to Go



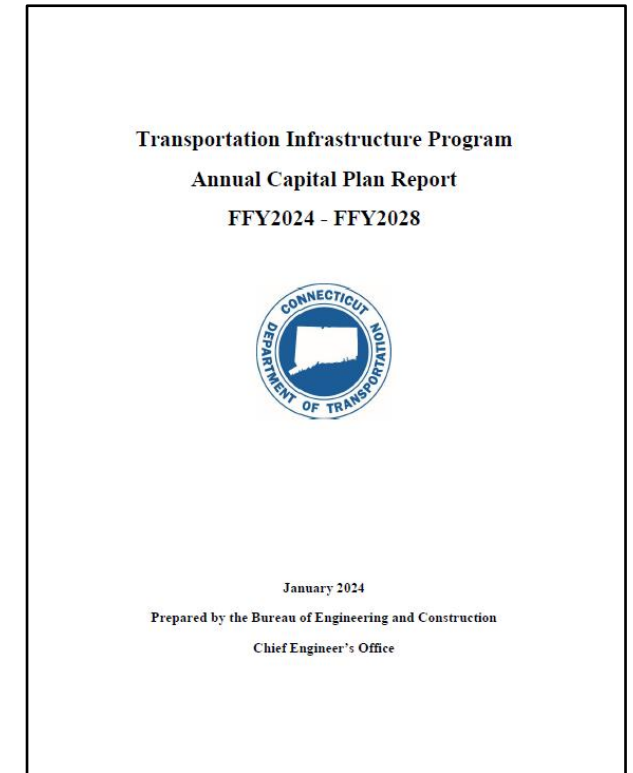
The Long-Range Transportation Plan is a federally mandated policy document that serve as a framework for preparing future, project-specific transportation plans. The Plan is generally updated every three to five years.

Project-Specific approval of the Federal portion



The Statewide Transportation Improvement Program (STIP) is a four-year financial document that lists all projects expected to be funded in those four years with Federal participation.

Recap and Look-Ahead: the Execution of the Plan



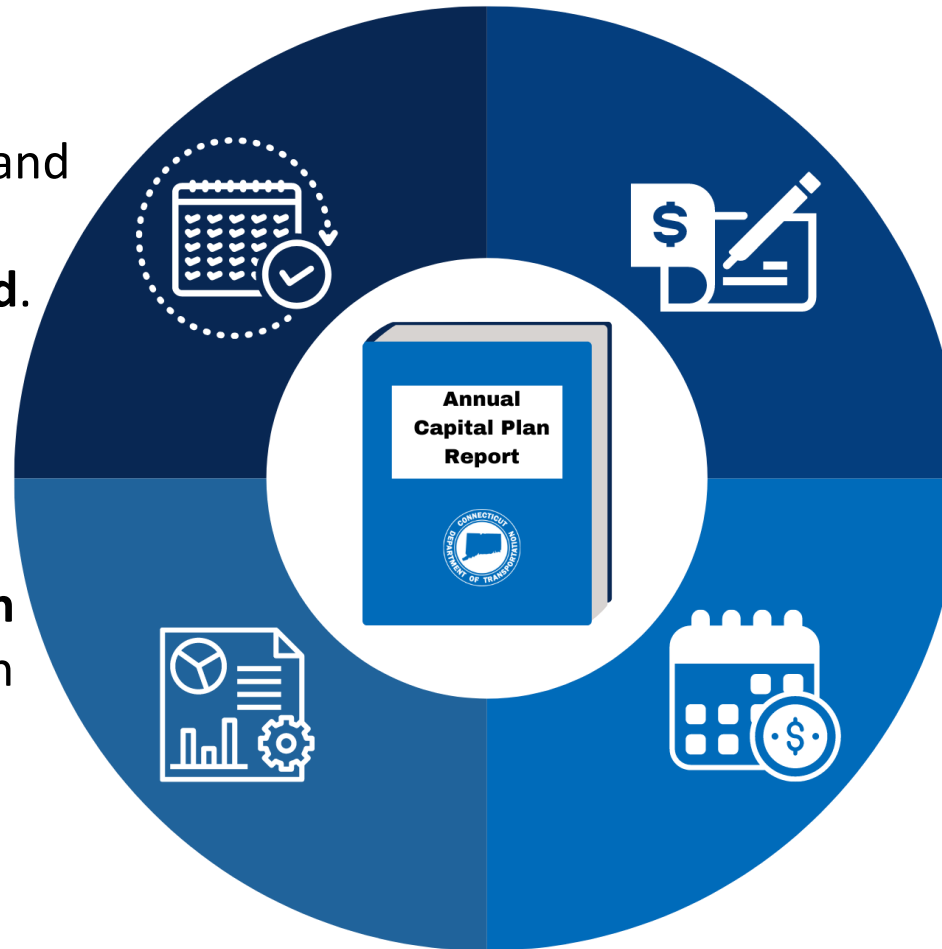
The Capital Program Report is to inform the Department's stakeholders about the past year's program and outline the plan for the upcoming year.



What is CTDOT's Capital Plan?

Annual report prepared by CTDOT to inform stakeholders and outline the capital investments for the **upcoming 5-year period**.

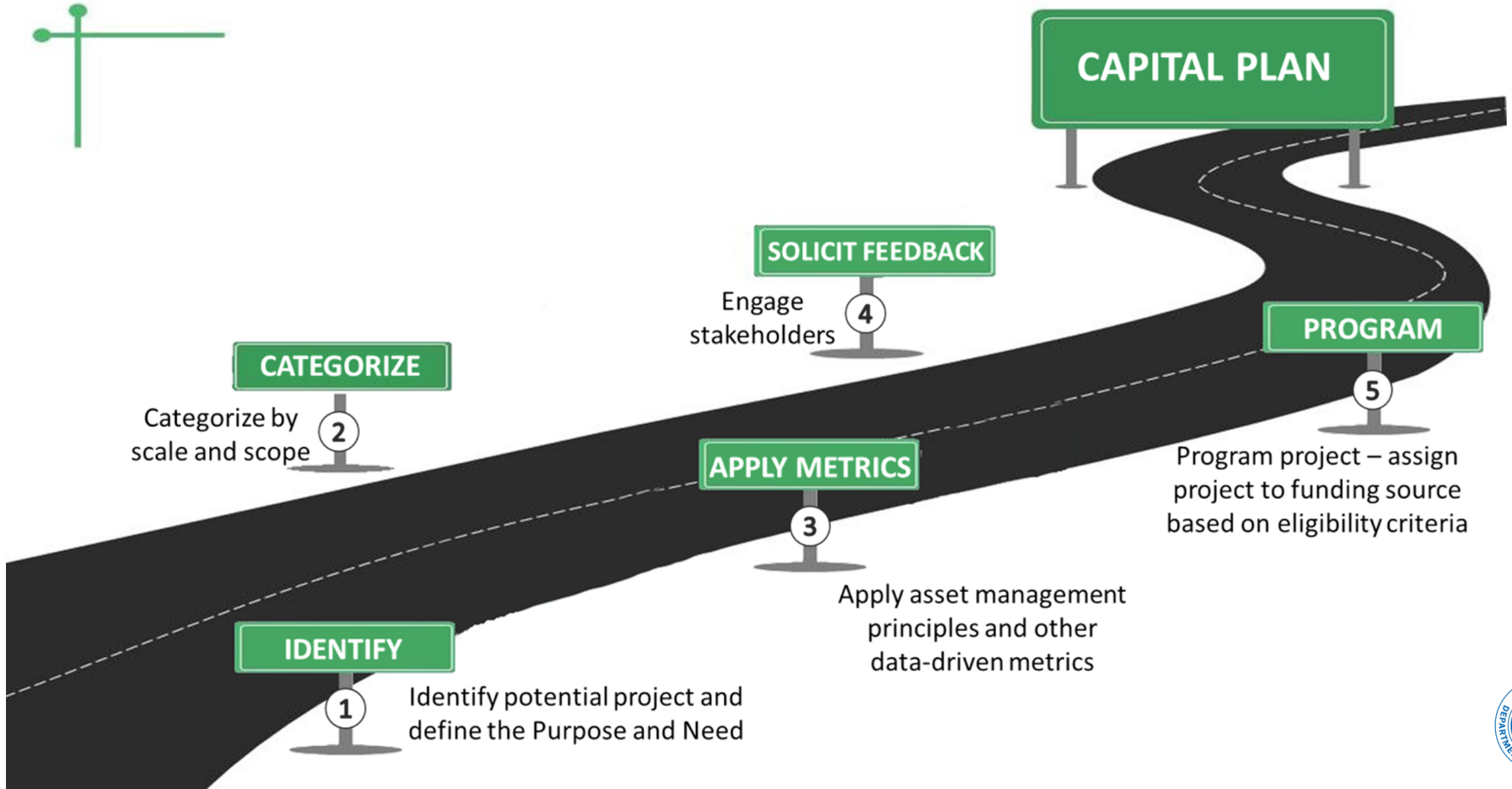
Describes the Department's **plan to address** critical transportation needs and **current challenges**.



Details a comprehensive **financial summary** of **Capital Program expenditures**.

Data presented in the report is based on the **Federal Fiscal Year**: October 1 - September 30.

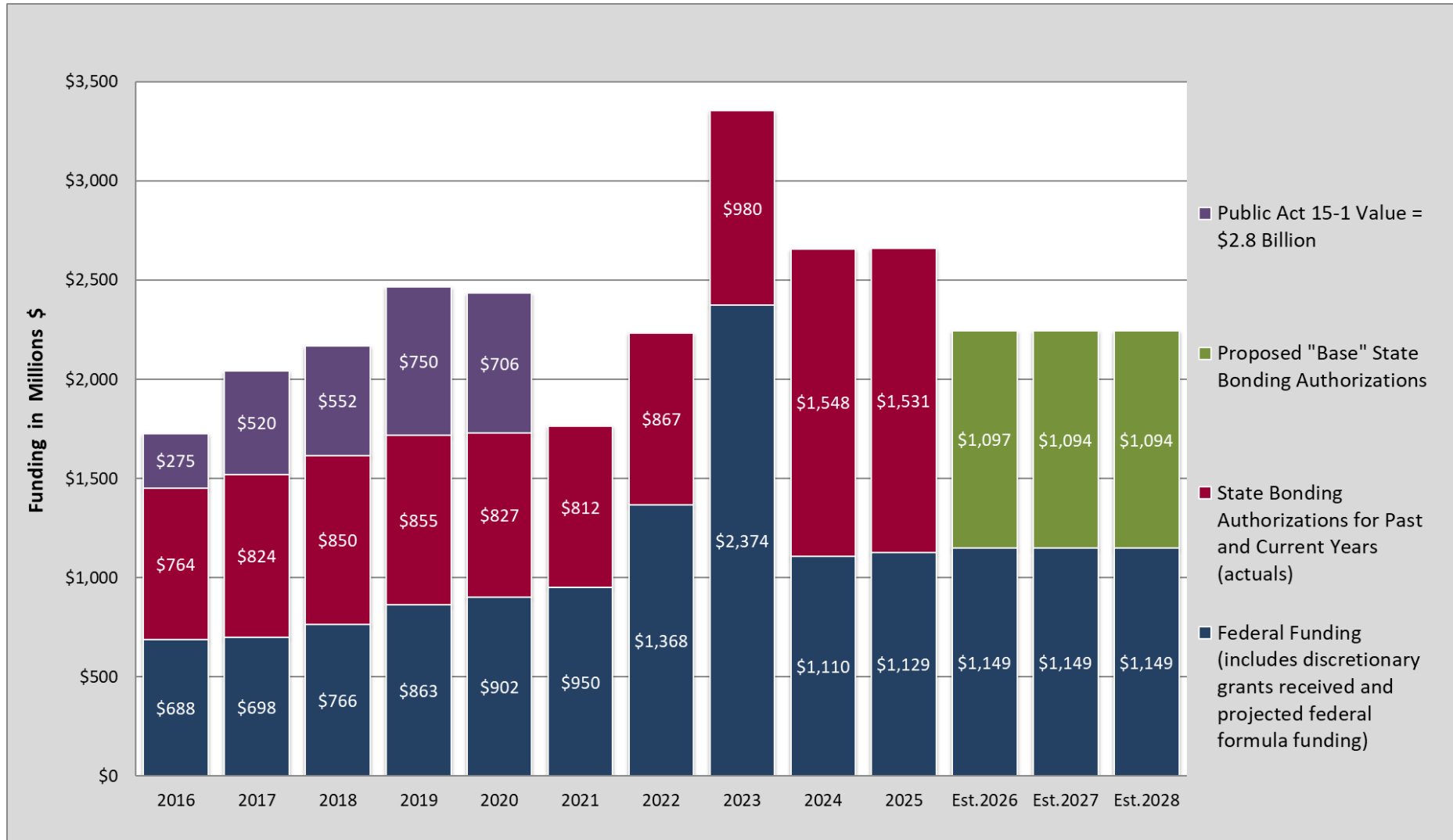
Roadmap to the Capital Plan



Funding the Capital Plan



CTDOT Capital Program Funding



Note: Federal Funding in 2023 includes \$1.168 billion of NEC funds awarded by FRA



Discretionary Federal Grants

\$158.2 million: Gold Star Memorial Bridge Northbound Structure Rehabilitation Project

(FHWA - Bridge Investment Program)

\$29.6 million: Ansonia, Beacon Falls, & Seymour Train Stations

(FTA - All Stations Accessibility Program)

\$26.4 million: Battery Electric Bus Deployment at CTtransit Stamford Division

(FTA - Buses and Bus Facilities / Low or No Emission)

\$25 million: Move New Haven On-Street Bus Rapid Transit System

(Rebuilding American Infrastructure with Sustainability and Equity / RAISE)

\$20.4 million: Modernization of the SEAT Garage in Norwich, CT

(FTA - Buses & Bus Facilities Grant Program)

\$20 million: New Haven Line Power Program

(FRA - 2022 State of Good Repair Grant Program)

\$2 million: Connecticut Integrated Transit Mobility Project

(OST – Strengthening Mobility and Revolutionizing Transportation – Phase 1 Planning Grant Program)

\$1 million: Planning & Environmental Linkages Study for Bridge No. 32 on I-95 in Stamford

(FHWA - Bridge Investment Program)

\$460 thousand: Joint Project to Evaluate & Protect Movement of People & Wildlife across Connecticut

(FHWA - Wildlife Crossings Pilot Program)



Discretionary Federal Grants

FY22-23 FRA FEDERAL-STATE PARTNERSHIP FOR INTERCITY PASSENGER RAIL GRANT PROGRAM

Amtrak Managed Projects

- \$826.65 million: Connecticut River Bridge Replacement
- \$4 million: New Haven to Providence Capacity Planning Study

CTDOT Managed Projects

- \$465 million: Walk Bridge Replacement
- \$245.92 million: Devon Bridge Replacement
- \$122.8 million: New Haven Line Power Improvement Program
- \$119.32 million: Devon Bridge Interim Repairs
- \$104.87 million: Hartford Line Rail Program Double Track (Phase 3B)
- \$71.65 million: New Haven Line Track Improvement and Mobility Enhancement (TIME) Part 1 and 3
- \$23.2 million: Saugatuck River Bridge Replacement
- \$15.4 million: New Haven Line Network Infrastructure Upgrade

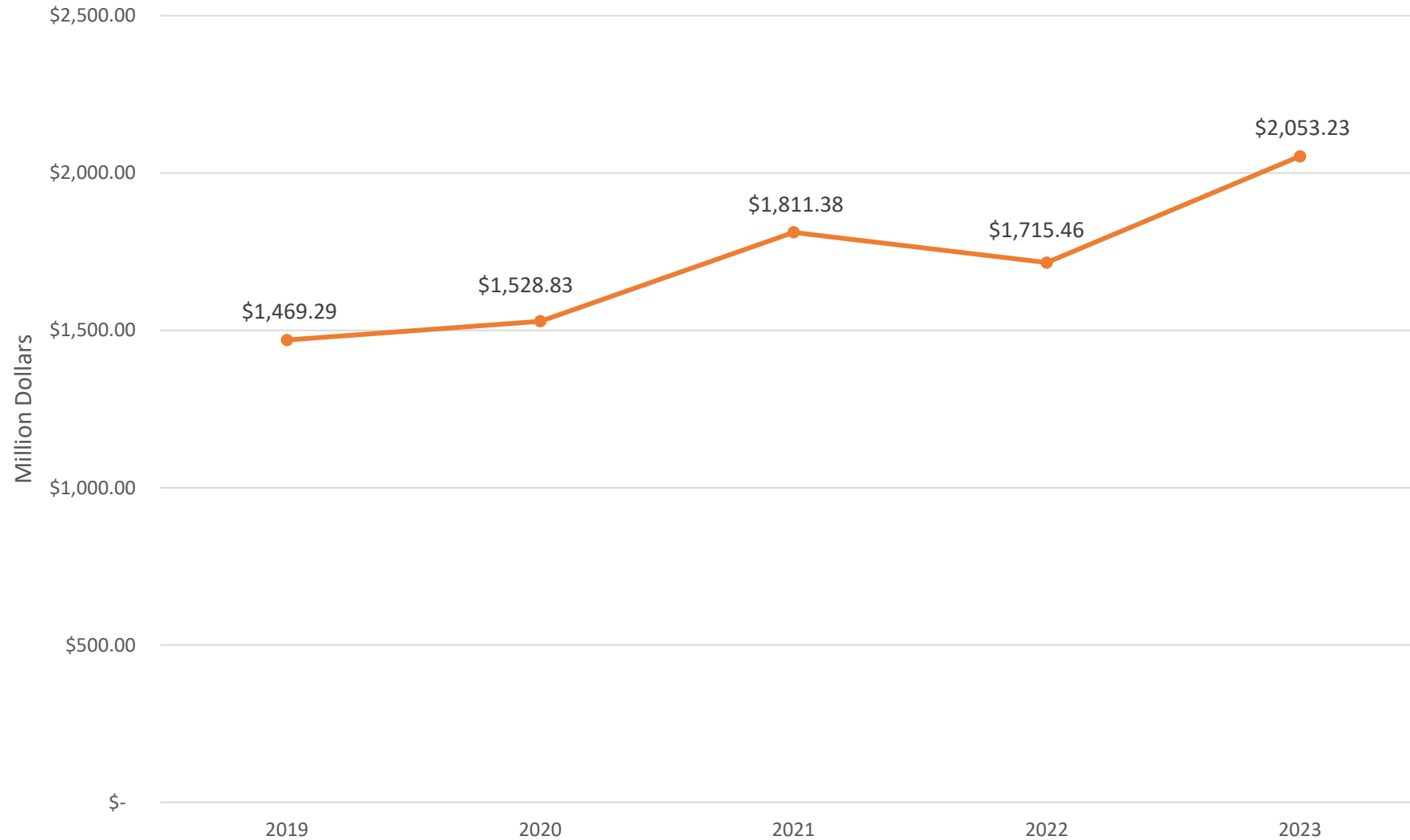
Total Award: ~\$2 billion



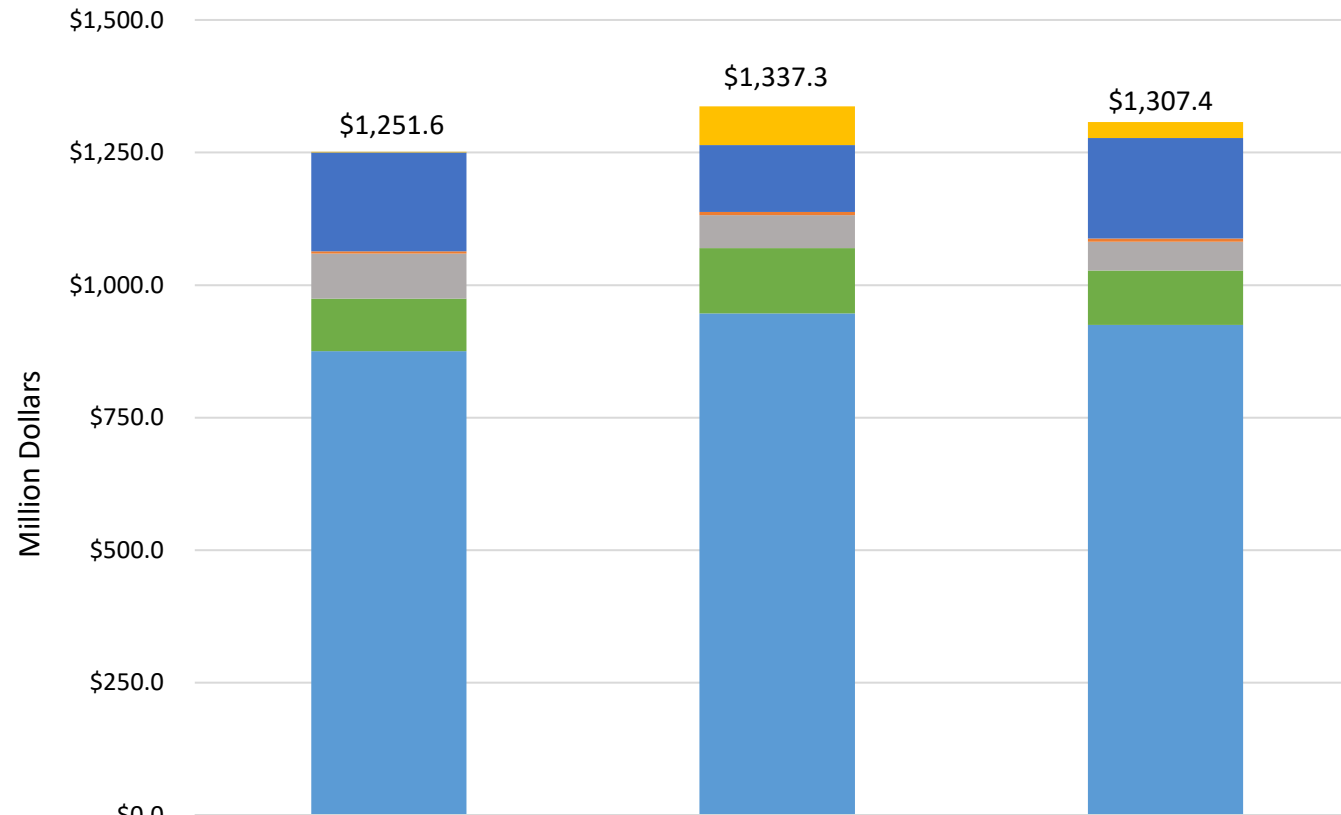
Connecticut River Bridge
Old Saybrook and Old Lyme, CT



CTDOT Capital Expenditures SFY2019 - SFY2023



CTDOT Committed Construction Dollars FFY2022 – FFY2024



	FFY 2022	FFY 2023	FFY 2024 (Estimated)
Emergency Declarations	\$1.1	\$73.4	\$30.0
Municipal Projects & Grants	\$186.5	\$126.2	\$189.8
Environmental Compliance	\$4.4	\$5.6	\$6.0
Public Transportation	\$85.3	\$62.4	\$54.1
Maintenance	\$98.8	\$123.1	\$102.5
State Advertised Projects: Design-Bid-Build	\$875.5	\$946.6	\$925.0

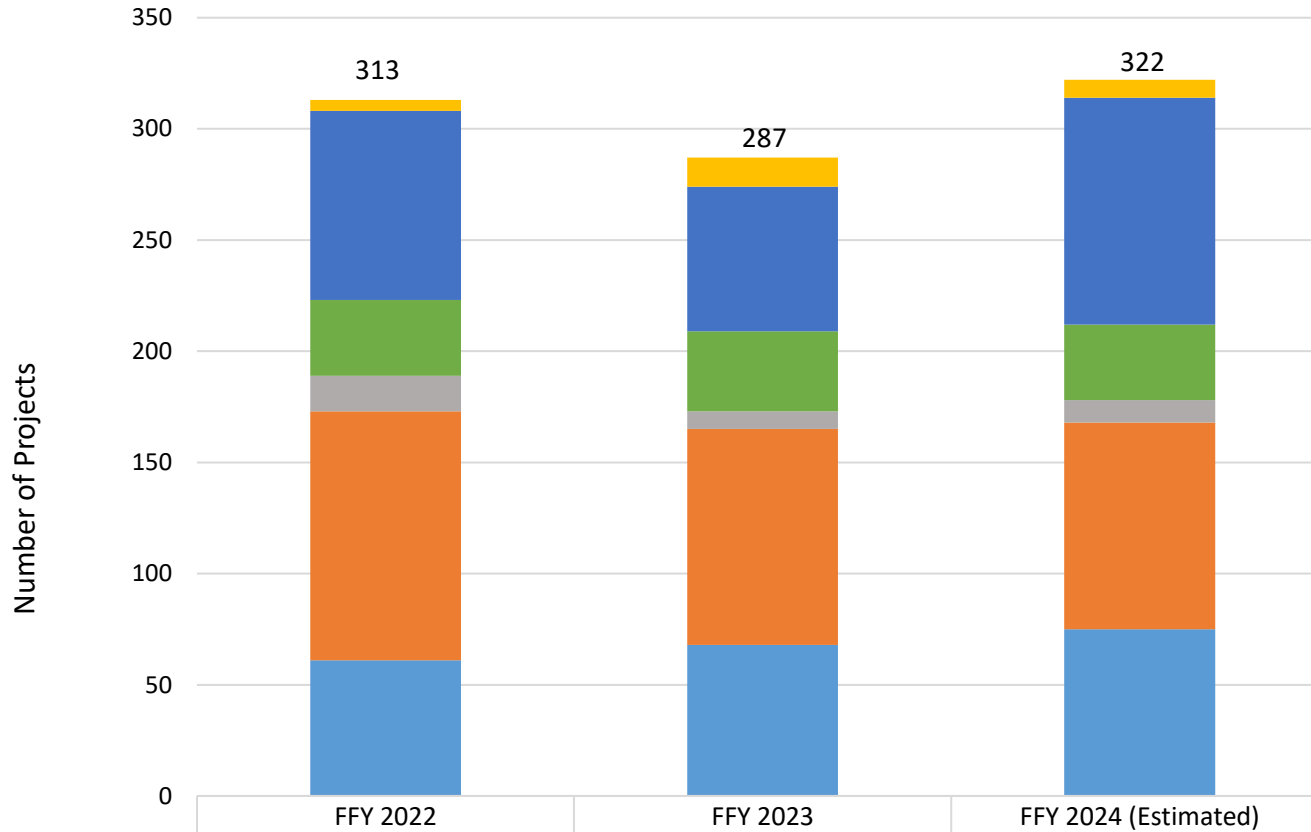
Project Category Definitions:

- **Emergency Declarations:** Contracts issued to respond to unforeseen disasters
- **Municipal (Local) Projects and Grants:** Projects advertised by municipalities such as State Local Bridges, Off-system Bridges, Surface Transportation Program - Urban (STP-U), Congestion Mitigation and Air Quality (CMAQ), Transportation Alternatives Program (TAP), Earmarks, etc. Grants to municipalities include Local Transportation Capital Improvement Program (LOTICIP), Transportation Rural Improvement Program (TRIP), Community Connectivity Grant Program (CCGP)
- **Environmental Compliance:** State pier remediation, Salt shed construction, and Contracts issued to address site remediation
- **Public Transportation:** Projects administered by CT Transit Districts
- **Maintenance:** Bridge Repair Unit (BRU) and Vendor-in-Place (VIP) Paving
- **State Advertised Projects – Design-Bid-Build:** DOT advertised projects following the traditional Design-Bid-Build process

Note: The figure above does not include Alternative Contracting or Town Aid Road projects



CTDOT Number of Construction Projects FFY2022 – FFY2024



	FFY 2022	FFY 2023	FFY 2024 (Estimated)
Emergency Declarations	5	13	8
Municipal Projects & Grants	85	65	102
Environmental Compliance	34	36	34
Public Transportation	16	8	10
Maintenance	112	97	93
State Advertised Projects: Design-Bid-Build	61	68	75

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Major Initiatives, Programs, and Projects



Complete Streets and Active Transportation

Complete Streets is a means to provide safe access for all users (pedestrians, persons using mobility aids, bicyclists, transit users and vehicle operators) by providing a comprehensive, integrated, and connected multi-modal network of transportation options.

CTDOT initiatives:

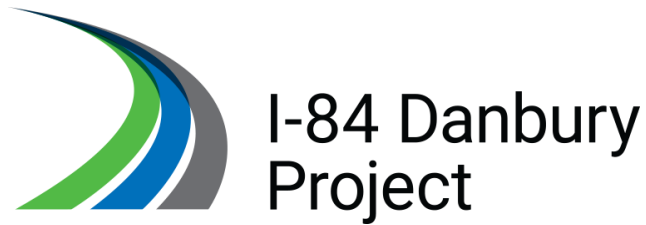
- Interagency CT Vision Zero Council
- Complete Streets Standing Committee
- Complete Streets Controlling Design Criteria
- Public Act 23-116
 - Examine proposals from the Vision Zero Council's equity subcommittee and consider infrastructure that specifically protects
- New Active Transportation Unit



CTDOT supporting programs:

- Community Connectivity Grant Program (CCGP)
- Local Transportation Capital Improvement Program (LOTICIP)
- Road Safety Audits
- Safe Routes to School
- Transportation Alternatives (TA) Program
- Transportation Rural Improvement Program (TRIP)

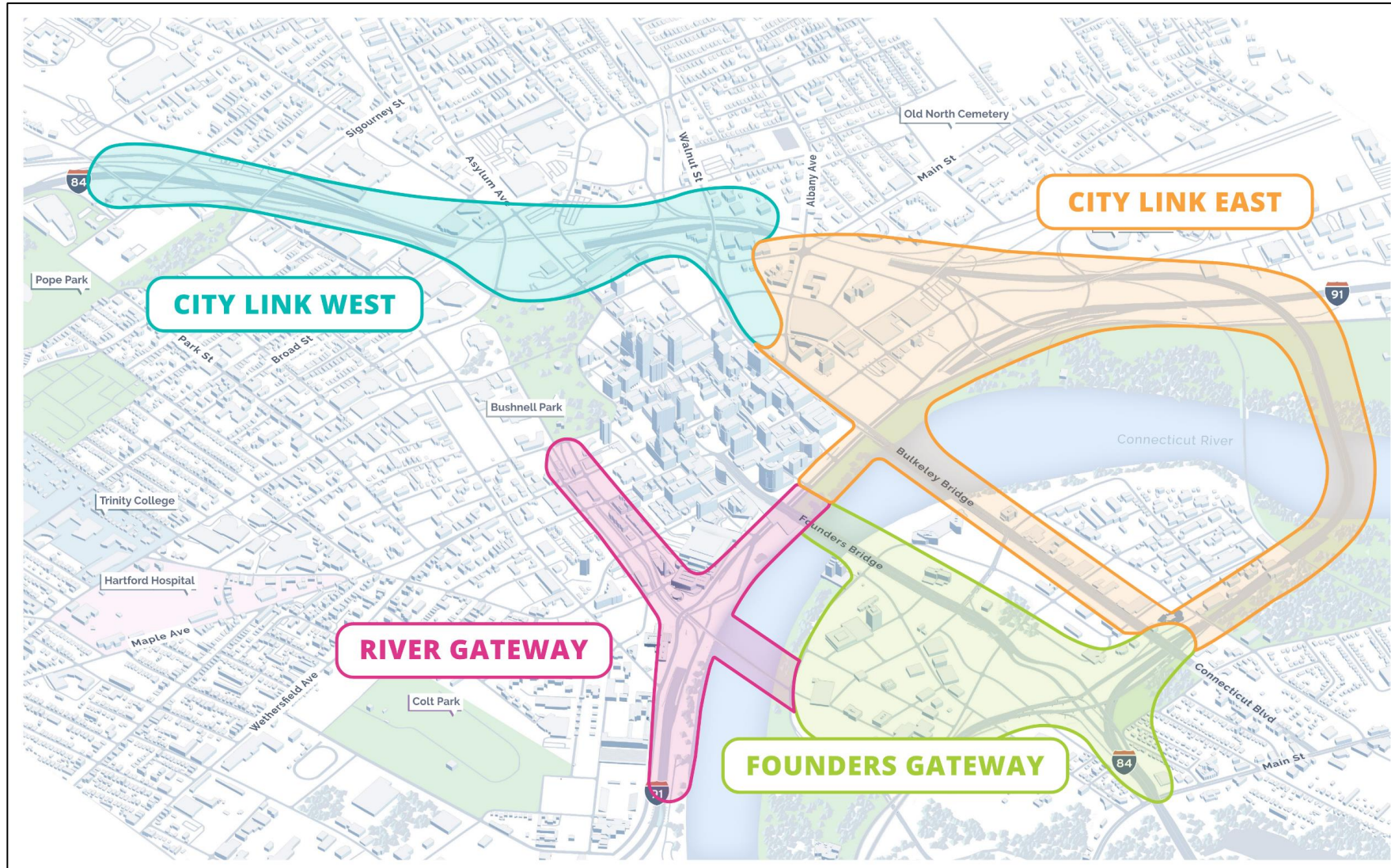
Planning and Environmental Linkages (PEL) Studies



Study	Location	Estimated Completion Year	Website
Greater Hartford Mobility Study	Hartford Metro Area	2023	hartfordmobility.com
I-84 in Danbury	Danbury	2024	i84danbury.com
I-84 / Route 8 New Mix Interchange	Waterbury	2024	newmixwaterbury.com
I-95 Eastern Connecticut	Branford to Rhode Island State Line	2024	i95easternct.com
I-95 from New York State Line to Exit 7	Greenwich	2025	i95greenwich.com
I-95 Exits 7-9 including Bridge No. 00032	Stamford	2025	i95stamford.com
I-95 Exits 19-27A	Fairfield and Bridgeport	2026	-



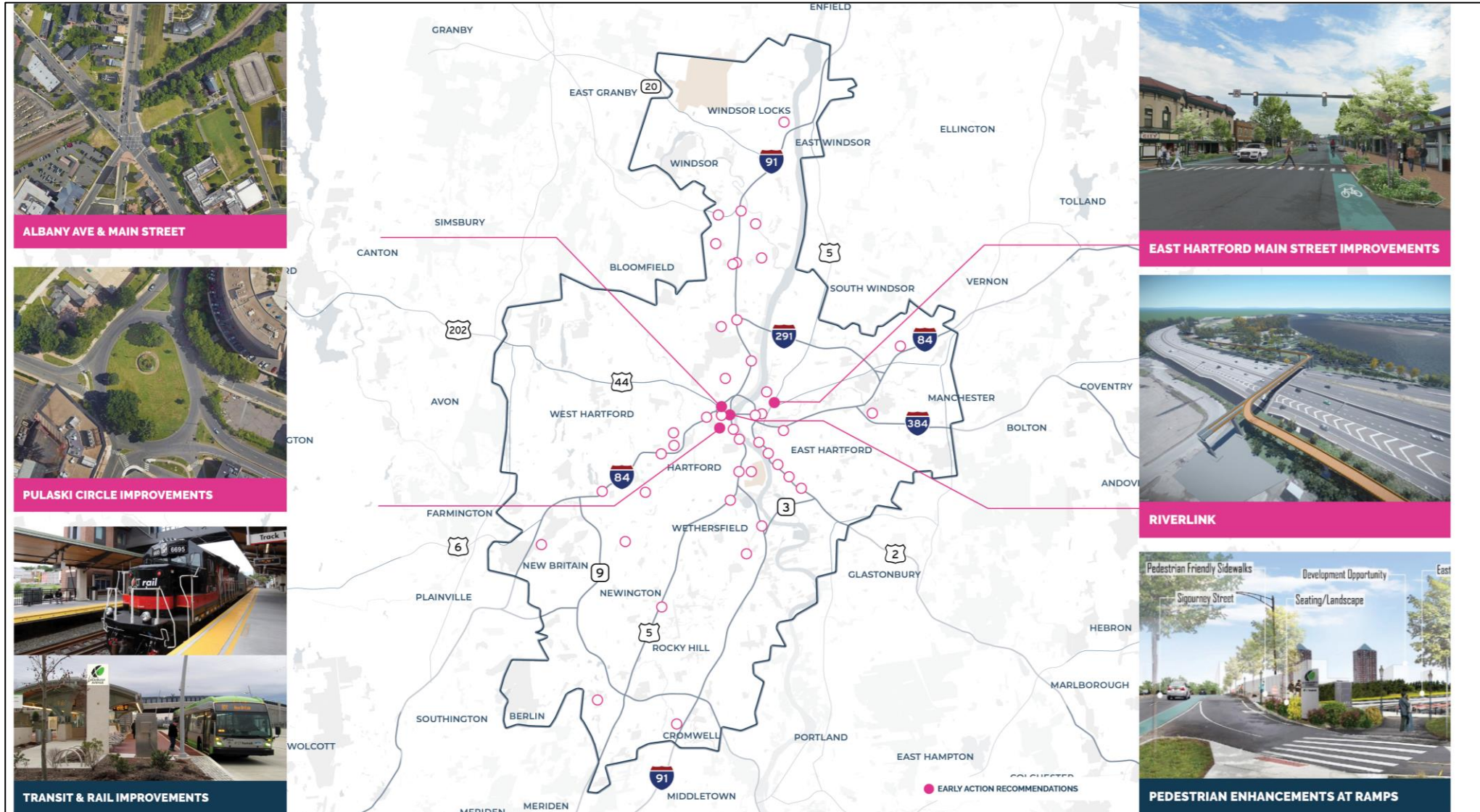
Greater Hartford Mobility Study



Visit hartfordmobility.com for more information



Greater Hartford Mobility Study: Early Action Projects



Visit hartfordmobility.com for more information



Municipal (Local) Projects and Programs

MUNICIPALLY ADVERTISED PROJECTS

- State Local Bridges
- Off-system Bridges
- Surface Transportation Program - Urban (STP-U)
- Congestion Mitigation and Air Quality (CMAQ)
- Transportation Alternatives (TA) Program
- Earmarks

GRANT PROGRAMS

- Community Connectivity Grant Program (CCGP)
- Local Transportation Capital Improvement Program (LOTICIP)
- Small Town Economic Assistance Program (STEAP)
- Transportation Rural Improvement Program (TRIP)



Roadway Infrastructure Projects – Ongoing and Future Work

ROADWAY PROJECTS

- Complete the Routes 7 and 15 Interchange in Norwalk
- Route 9 Traffic Signals Removal and Associated Projects in Middletown
- Route 44 Retaining Walls Replacement in Norfolk
- I-91/I-691/Route 15 Interchange Improvements in Meriden & Middletown
 - The first of three projects began in 2023
- I-95 Interchange 74 Improvements at Route 161 in East Lyme

TRAIL PROJECTS

- Air Line Trail in Pomfret
- Farmington Canal Heritage Trail in Plainville
- Hockanum River Park Trail in East Hartford
- Steele Brook Greenway Multi-Use Trail in Watertown

BRIDGE PROJECTS

- Baldwin Bridge Rehabilitation (I-95 over Connecticut River) in Old Lyme & Old Saybrook
- P.T. Barnum Bridge Rehabilitation (I-95 over Bridgeport Harbor and Metro-North Railroad) in Bridgeport
- Rehabilitation of Bridge No. 00333 (Route 34 over Route 1 and Metro-North Railroad) in New Haven
- East Haddam Swing Bridge Rehabilitation (Route 82 over Connecticut River) in East Haddam and Haddam
- Gold Star Memorial Bridge Rehabilitation (I-95 and US 1 over the Thames River) in Groton & New London



Alternative Contracting Projects

Project Title	Location	Status
Construction Manager at Risk		
New District 1 Headquarters and Materials Testing Lab	Rocky Hill	Design
Construction Manager/General Contractor		
WALK Moveable Bridge Replacement	Norwalk	Construction
Design-Build		
Replacement of Bridges and Ramps on Route 15 and 99	Wethersfield	Advertising Document Development
Rehabilitation of Four Bridges along Route 72	New Britain & Plainville	Procurement
I-95 Auxiliary Lane & Resurfacing, Bridge Rehabilitation, and Safety Improvements	Stamford	Design
Dutch Point Viaduct Rehabilitation	Hartford	Design
Replacement of I-95 Bridges over Route 745 and Metro-North Railroad	West Haven	Design
Route 8 Resurfacing, Bridge Rehabilitation, and Safety Improvements	Ansonia, Derby, Seymour & Shelton	Construction
I-91/I-691/Route 15 Interchange Improvements (I-691 EB to I-91 NB)	Meriden & Middletown	Construction



Public Transportation – Rail Projects and Programs

Hartford Line – Double Tracking

Hartford Line – New Enfield Station

New Haven Union Station Campus Improvements

New Haven Rail Yard Improvements

New Rail Fleet Locomotives and Coaches

Naugatuck Station Relocation

Stamford Station Improvements

Track Improvement and Mobility Enhancement
(TIME 1)

Waterbury Line Platform Replacement Program



Public Transportation – Bus Projects and Programs

Automated Bus Driving System Pilot Project

Automated Driver Assistance Systems Pilot Project

Battery Electric Bus Replacement Program

Design and Upgrade of Transit Facilities

Microtransit Pilot Program

MOVE New Haven

Statewide Bus Stop Enhancement Program



Online Resources

- CTDOT Websites:
 - Main Website: portal.ct.gov/DOT
 - Capital Plans and Reports (current and previous):
portal.ct.gov/DOT/Bureau-of-Policy/Transportation-Infrastructure-Capital-Plans
 - Major Projects: portal.ct.gov/DOT/Office-of-Construction/Project-Pages/Major-Projects-Weblink
 - Open Data Portal: connecticut-ctdot.opendata.arcgis.com
 - Transportation Plans: portal.ct.gov/DOT/Bureau-of-Policy/Transportation-Plans
 - Transportation Studies: portal.ct.gov/DOT/PP_Bureau/Transportation-Studies
- Federal Websites:
 - Federal Highway Administration: highways.dot.gov
 - Federal Railway Administration: railroads.dot.gov
 - Federal Transit Administration: www.transit.dot.gov



Feedback Wanted

- We welcome comments and feedback on the Capital Plan after you have reviewed the documents
- The Capital Plan narrative and project listing is on the CTDOT website
 - portal.ct.gov/DOT/Bureau-of-Policy/Transportation-Infrastructure-Capital-Plans
- Comments can be submitted via the online form or email address listed below:
 - Online form: forms.office.com/g/cGuybAfCew
 - Email address: DOT.CapitalPlan@ct.gov





Thank you!
DOT.CapitalPlan@ct.gov

