



Public Informational Meeting

Harriet Dame Auditorium – City Wide Community Center

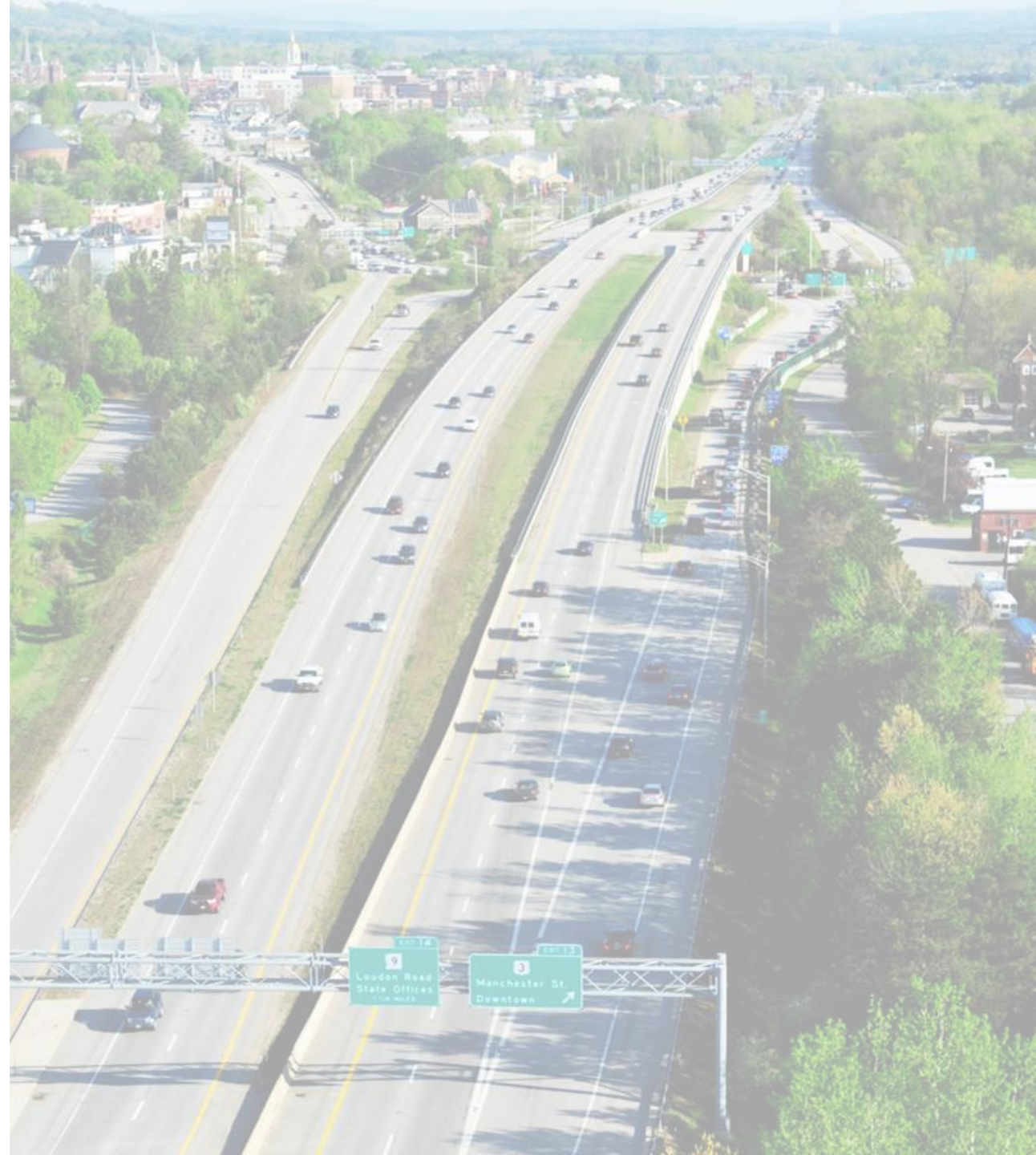


Welcome & Agenda



Agenda

- **Welcome & Introductions**
- **Project Updates**
- **Preliminary Engineering Updates**
- **NEPA & Environmental Resources**
- **Public Outreach Resources**
- **Closing**
- **Q&A**





Project Team

NHDOT

- **Jason Ayotte,**
Project Manager
- **John Butler,**
Design Subject Matter Expert
- **Jonathan Evans,**
Environmental Project Manager

Consultant Team

- **Gene McCarthy,** *McFarland Johnson*
- **Christine Perron,** *McFarland Johnson*
- **Brian Colburn,** *McFarland Johnson*
- **Delia Makhetha,** *WSP*
- **Liviu Sfintescu,** *WSP*



Meeting Goals

Communicate

Progress & Recent Activities

Clarify

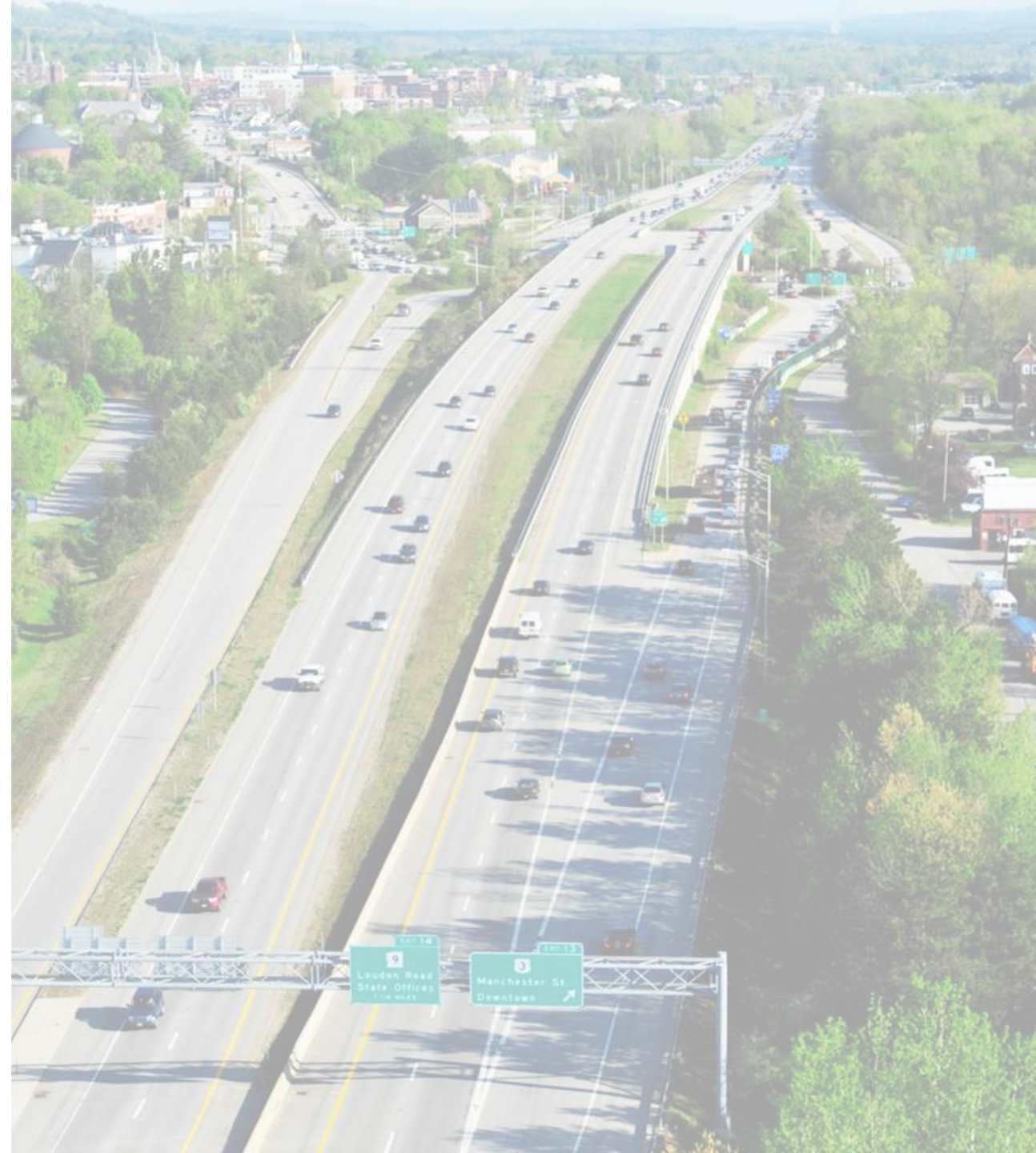
Expectations & Goals

Identify Project Efforts

to address previous comments from
City Council, TPAC,
& 2018 Public Hearing Plan

Launch

Public Involvement Plan





Project Updates



Project History

Transportation Planning Study (2003 – 2008)

- Identify Needs & Range of Reasonable Alternatives
- Create Vision & Purpose and Need Statements
- Determine Level of Environmental Document
- Prepared Report

Red List Bridges (2008 – 2016)

- Exit 14 Rehabilitation
- I-93 over I-89 Replacement
- Exit 12 Replacement

Preliminary Design (2014 – 2019)

- Draft Environmental Assessment
- Refined Alternatives Analysis & Design
- 2018 Public Hearing
- 2019 Public Hearing Comment Workshops



2018 Public Hearing Comments

2018 Public Hearing Comment Themes

1. Town of Bow

- Exit 1 Traffic Modeling & Circulation
- Noise barriers
- Historic impacts

2. City of Concord

- Consistency w/ Concord 2020 Vision
- Connectivity to the Merrimack River

3. Exit 14 NB On Ramp & Traffic Impacts

4. Bicycle and Pedestrian Accommodations within project limits (several consideration requests)

5. Several comments specific to impacted abutters

2019 Public Hearing, Workshops & Public Meeting Comments

1. Town of Bow, June 2019

- Resulted in Modified Concept K to address potential development & Exit 1 Ramp/Logging Hill Road Intersection
- Committed to sign route to NH 3A via I89 to I93 NB Ramp to new Connector Road
- Committed to architectural treatments for retaining walls
- Reviewed Noise Analysis & Barrier Warrants

2. City of Concord, April & June 2019

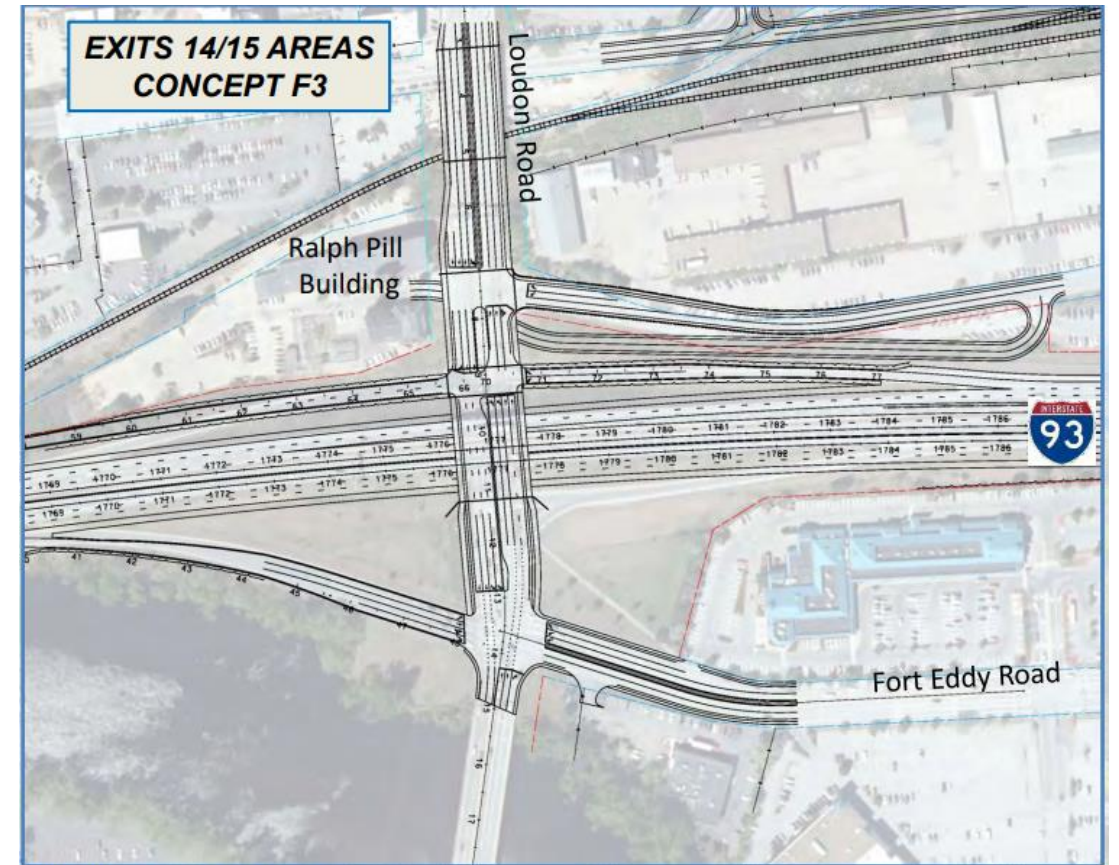
- Exit 14 "Flip" & Pedestrian Bridge Options discussed
- Shared traffic analysis and alternative routes with removal of Exit 14 NB On Ramp

2018 Public Hearing Comments

Exit 14 Alternatives

Evaluated Loudon Road over I93 or Exit 14 "Flip"

- **Concept evaluated w/ and w/o railroad relocation**
- **Major Challenges**
 - Requires 3-year closure of Exit 14 and Loudon Road to relocate utilities and complete construction
 - Additional \$48M - \$73M (2024) for Construction required
 - Railroad relocation requires acquisition of electric transmission line substation, bus transportation center, and Ralph Pill
- **Concept not advanced**

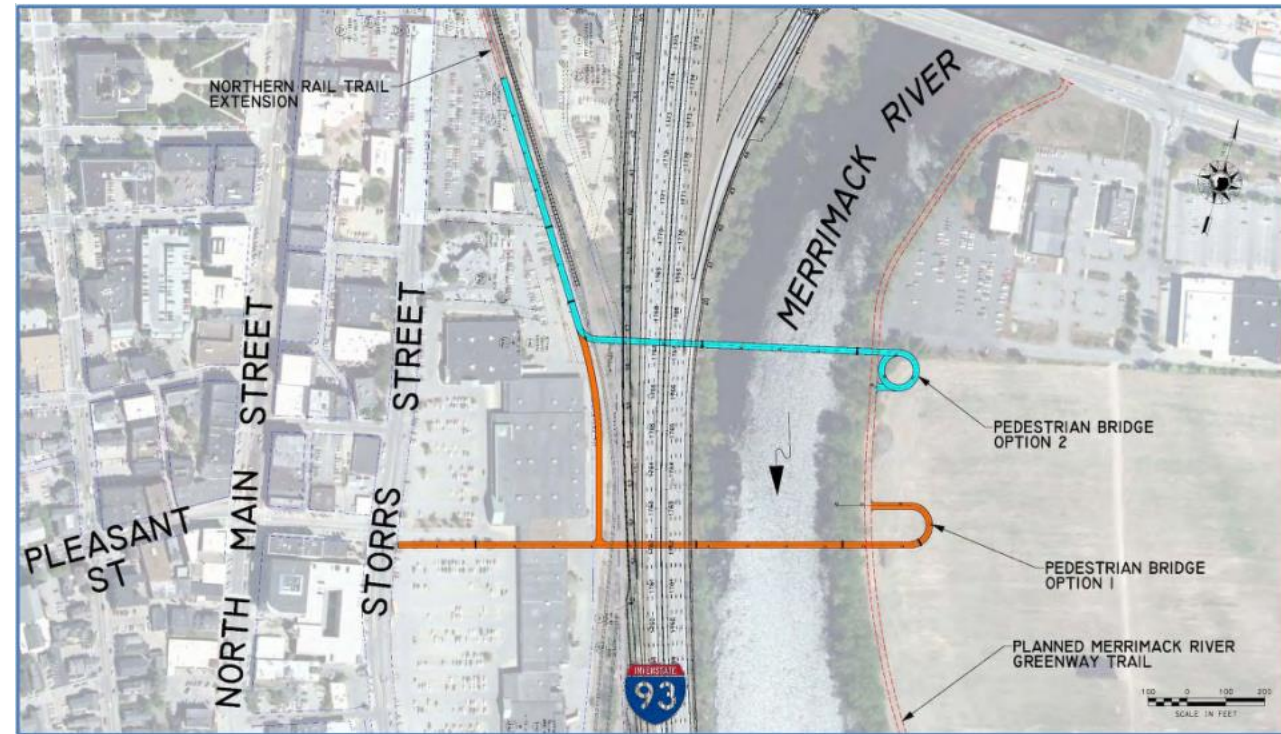




2018 Public Hearing Comments

Pedestrian Bridge Evaluation *Connection to the Merrimack River*

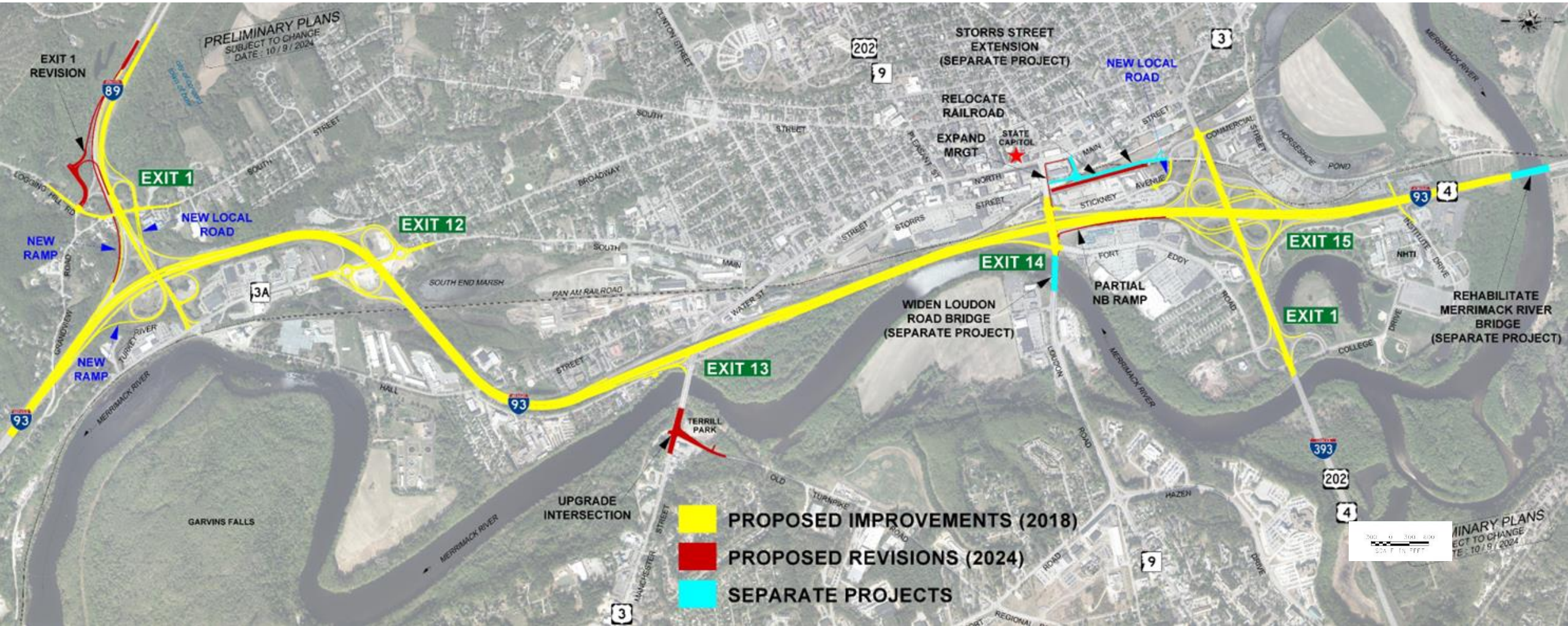
- **Evaluated 2 crossing locations**
- **Major Challenges**
 - Impact to City farmland parcel and flood plain
 - Additional \$35M (2024) for Construction required
- **Concepts not advanced**
- **City requested additional funds to widen Loudon Road Bridge in 2020 for shared-use path. Added \$14M in Funds in 2023-2032 TYP**
- **NHDOT will continue to coordinate with City Deck Park Study Team**





Creating Connections in our Capital Community and Beyond

Public Hearing Modifications





2021 Public Outreach Commitments

- 1. Incorporate I89 Exit 1, Old Turnpike Road, & State of NH RR Revisions**
- 2. Traffic Study & I93 Widening**
 - Revised existing traffic analysis, Reevaluate I93 widening and noise analysis
- 3. Bicycle & Pedestrian Accommodations at Intersections**
 - Reevaluating trail connections @ Exit 13 & 14
- 4. Retention of Exit 14 NB On Ramp**
- 5. Merrimack River Greenway Trail (MRGT)**
 - MRGT concepts developing for initial TPAC Review
- 6. Gateway Treatments & Collaboration**
 - I93 over Loudon Road Bridge
 - US 202/North Main Street
 - Utility Coordination
 - Supporting Deck Park study w/ project info



Project Status (2021 - Present)

Environmental Resource Collection & Impact Analysis

- Public Hearing Comment Resolution (City Council Meetings)
- Resource Inventory & Coordination
- EA Revisions and Submission to FHWA

Design & Analysis

- Revising Traffic Study & Evaluate Capacity Improvements to address City's Comments
 - Revise Existing and Design Year
 - Compare Existing Volumes and Demand
 - Collaborate with CNHRPC
 - Reanalyze No-Build, 2-lane and 3-lane options
- Engineering Modifications
- Environmental Resource Collection & Impact Analysis
- Bridge Constructability Study
- Existing Right-of-Way Documentation
- Utility Coordination & Planning



Preliminary Engineering Updates

Traffic Update

- Establish a new Base Year of 2022
- New region wide data set with updated traffic volumes
- Enables a determination of frequency and duration of congestion
- Enables a broader analysis of diversion patterns during congested periods
- Consensus on Growth Methodology (NHDOT and CNHRPC)
- Establishing a new Design Year of 2050 (On going)

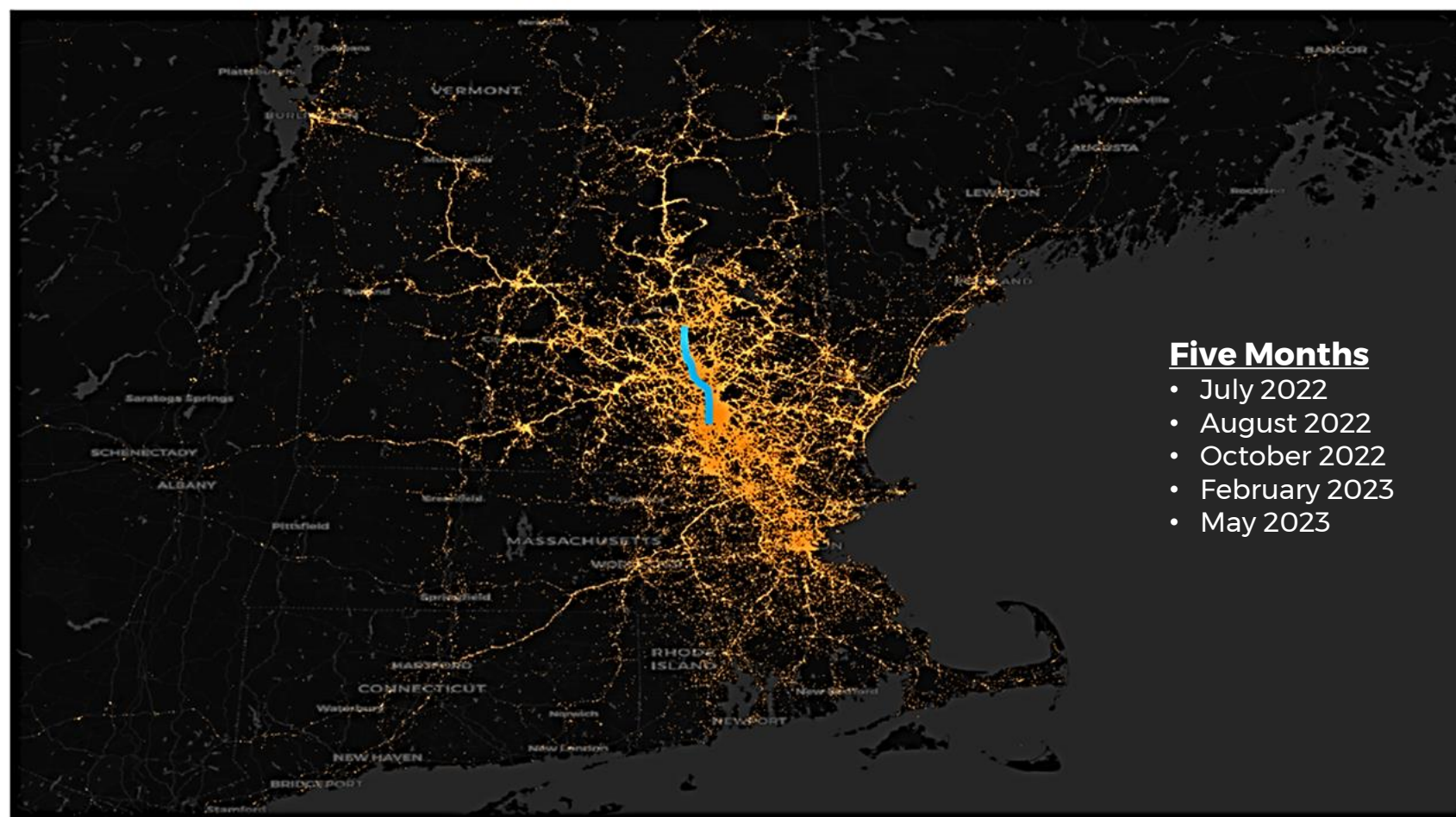
I-93 Analysis Corridor Origin-Destination





Creating Connections in our Capital Community and Beyond

Regional Data Set



Five Months

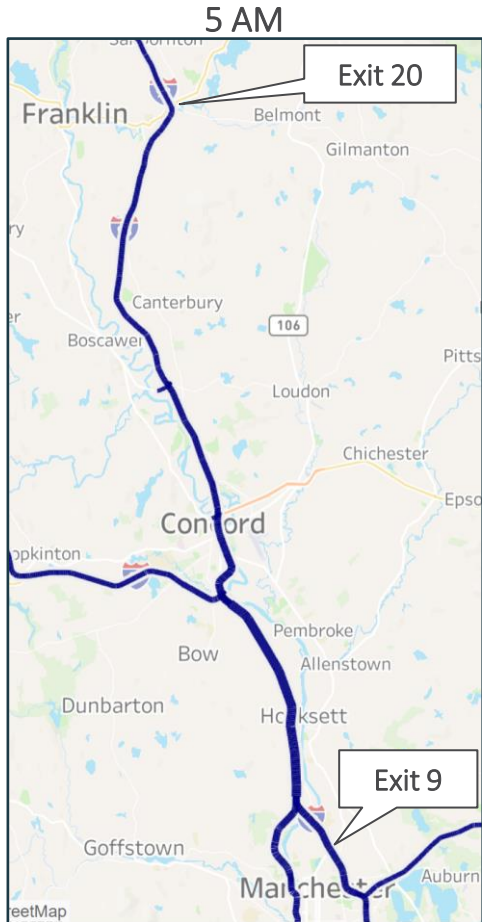
- July 2022
- August 2022
- October 2022
- February 2023
- May 2023





Creating Connections in our Capital Community and Beyond

Diversion Patterns during Congestion

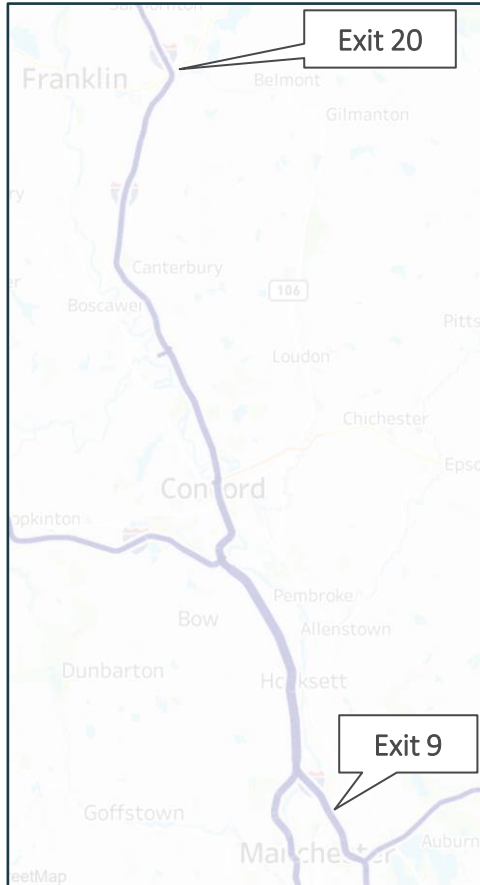




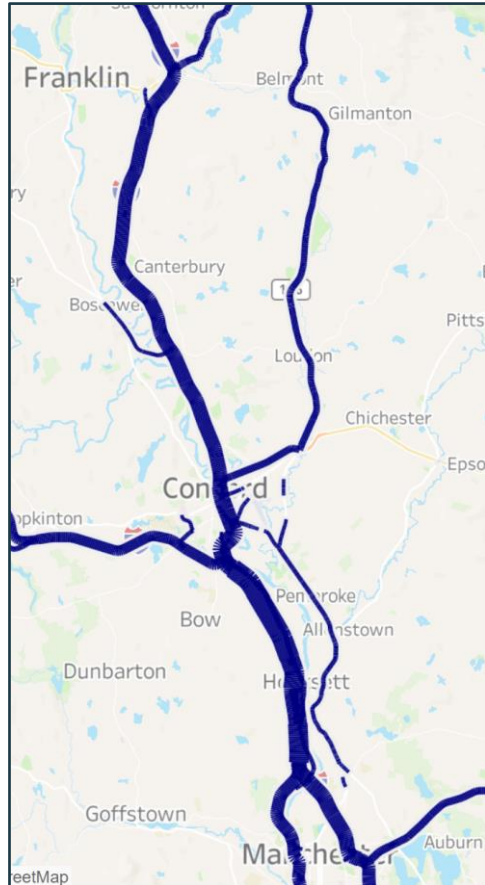
Creating Connections in our Capital Community and Beyond

Diversion Patterns during Congestion

5 AM



11 AM

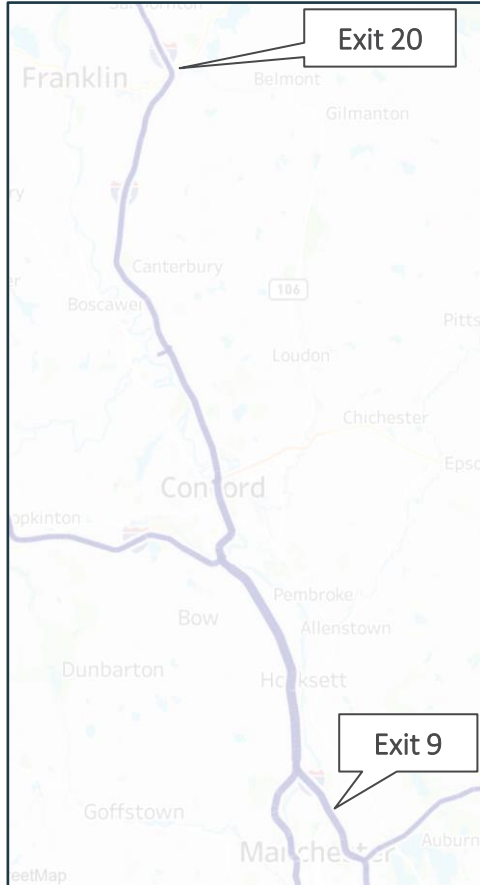




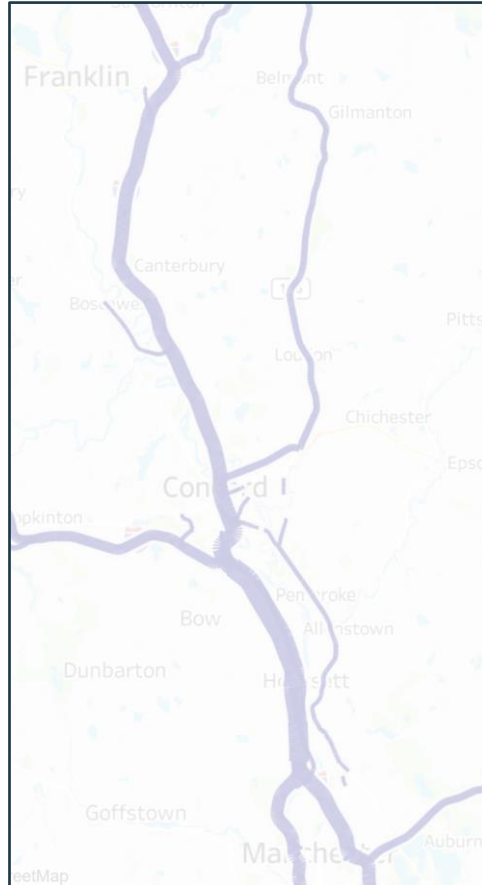
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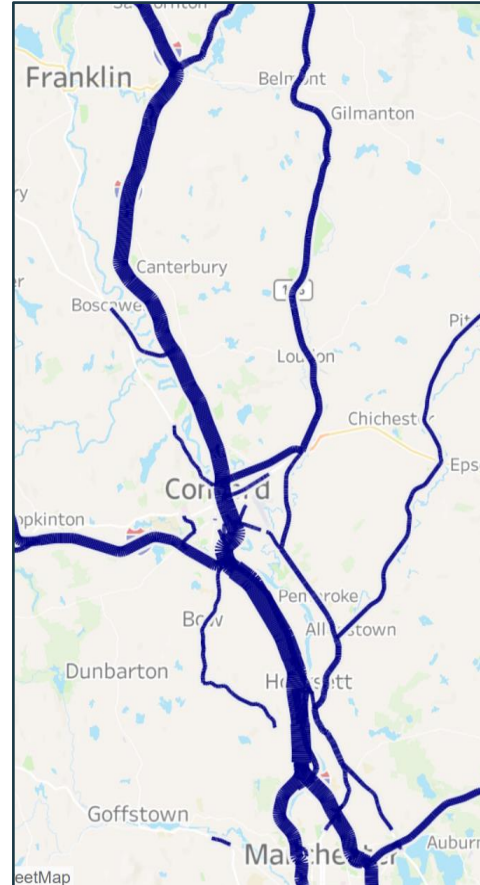
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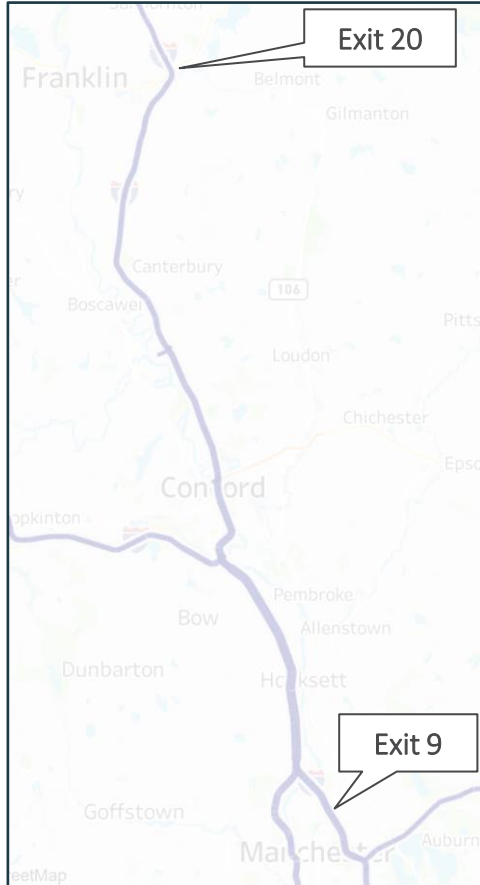




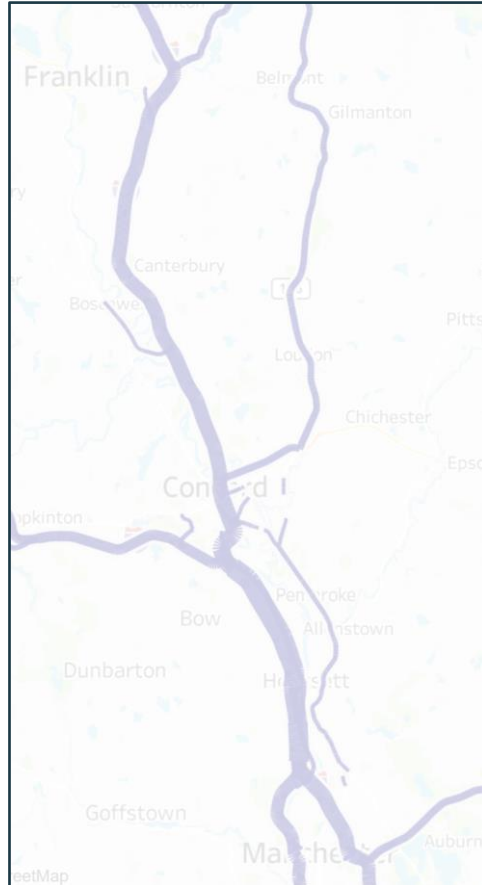
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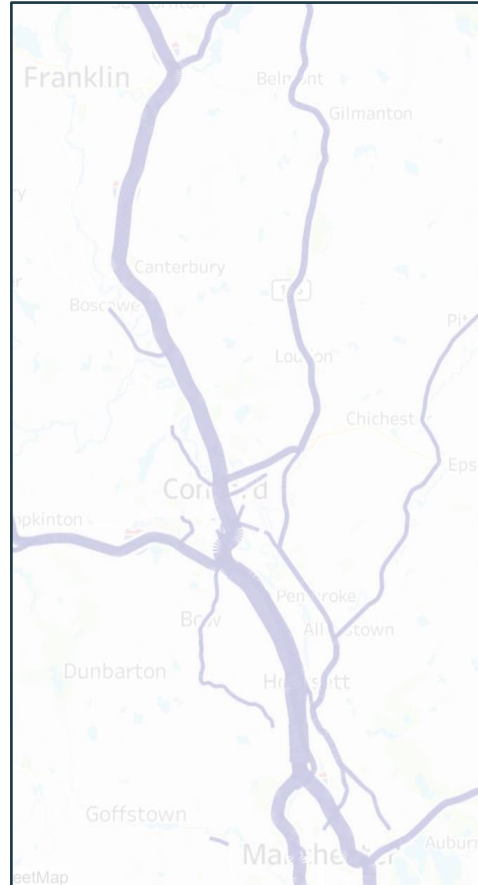
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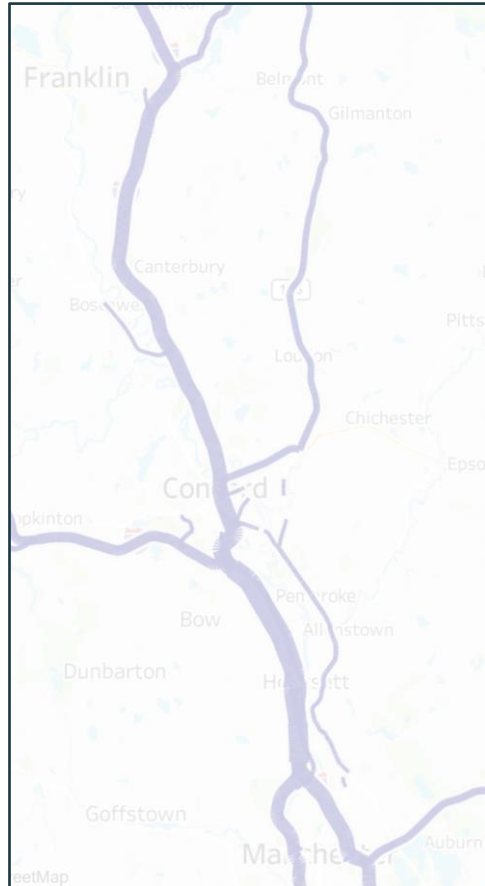
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Diversion Patterns during Congestion

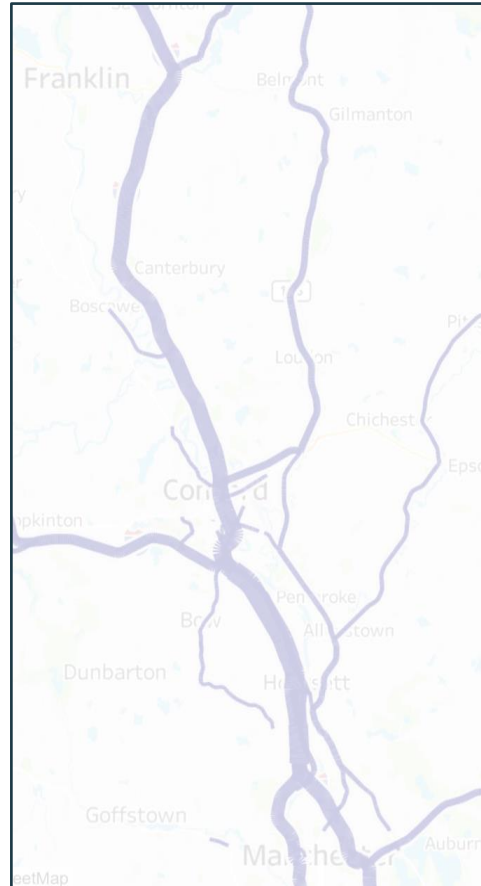
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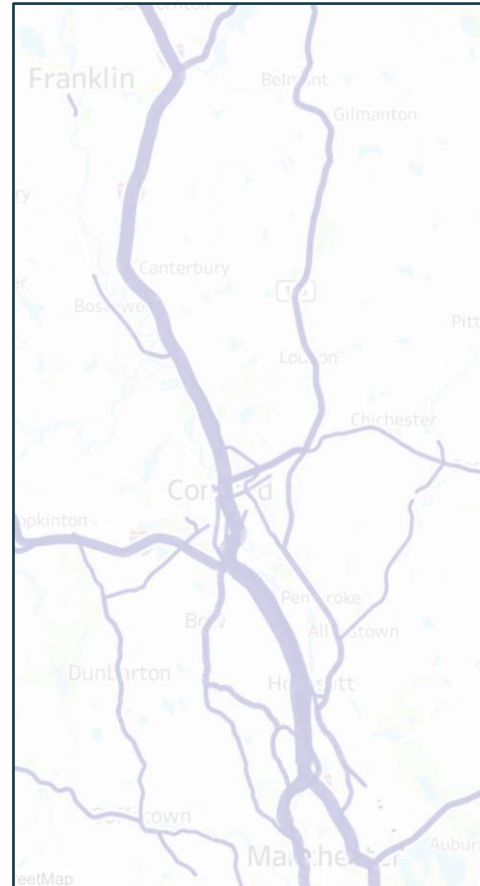
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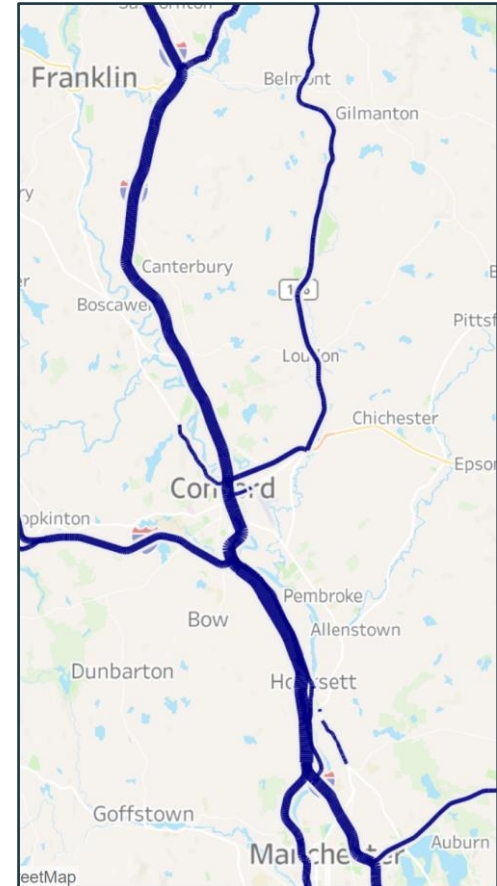
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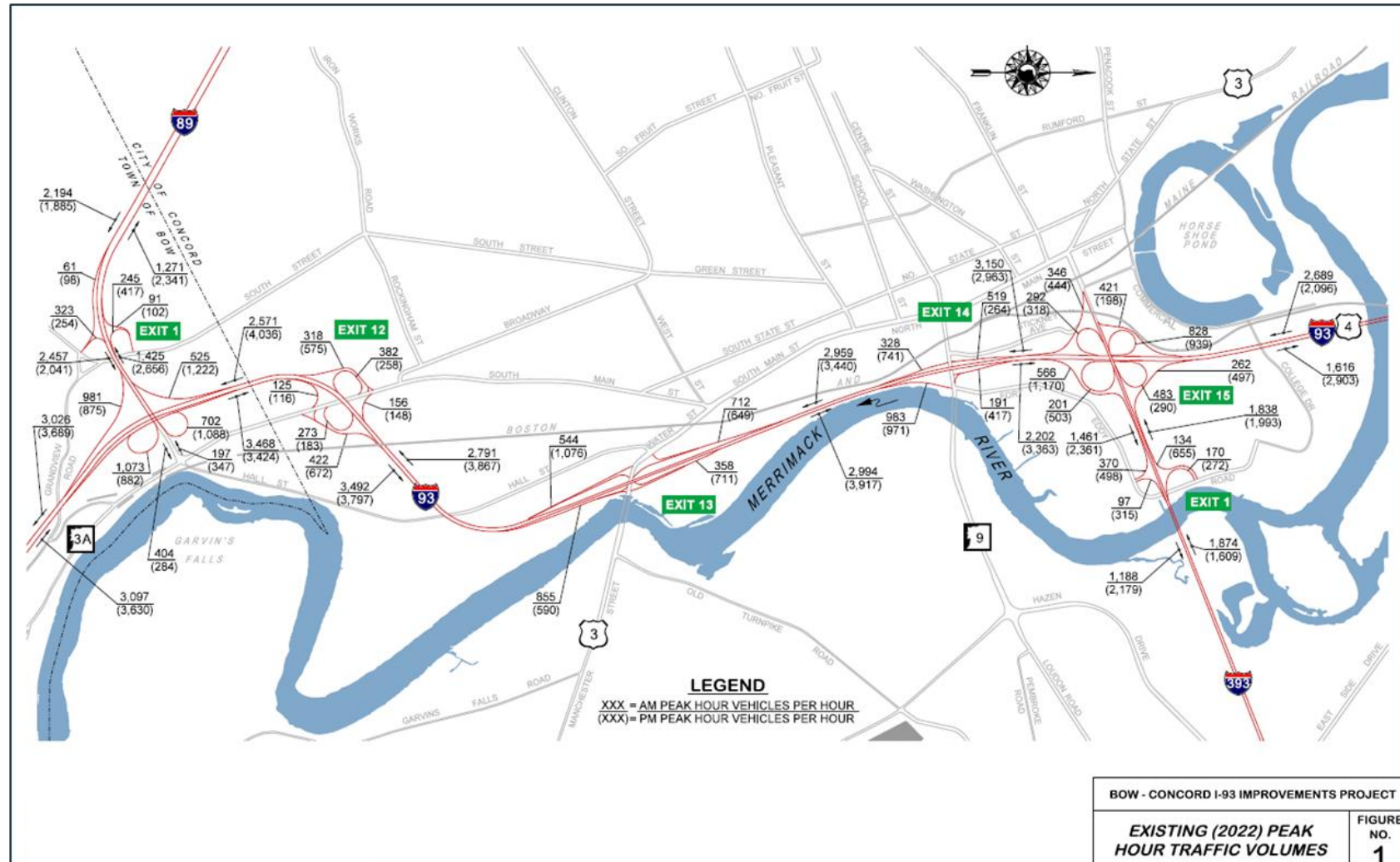


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Existing Traffic Volumes

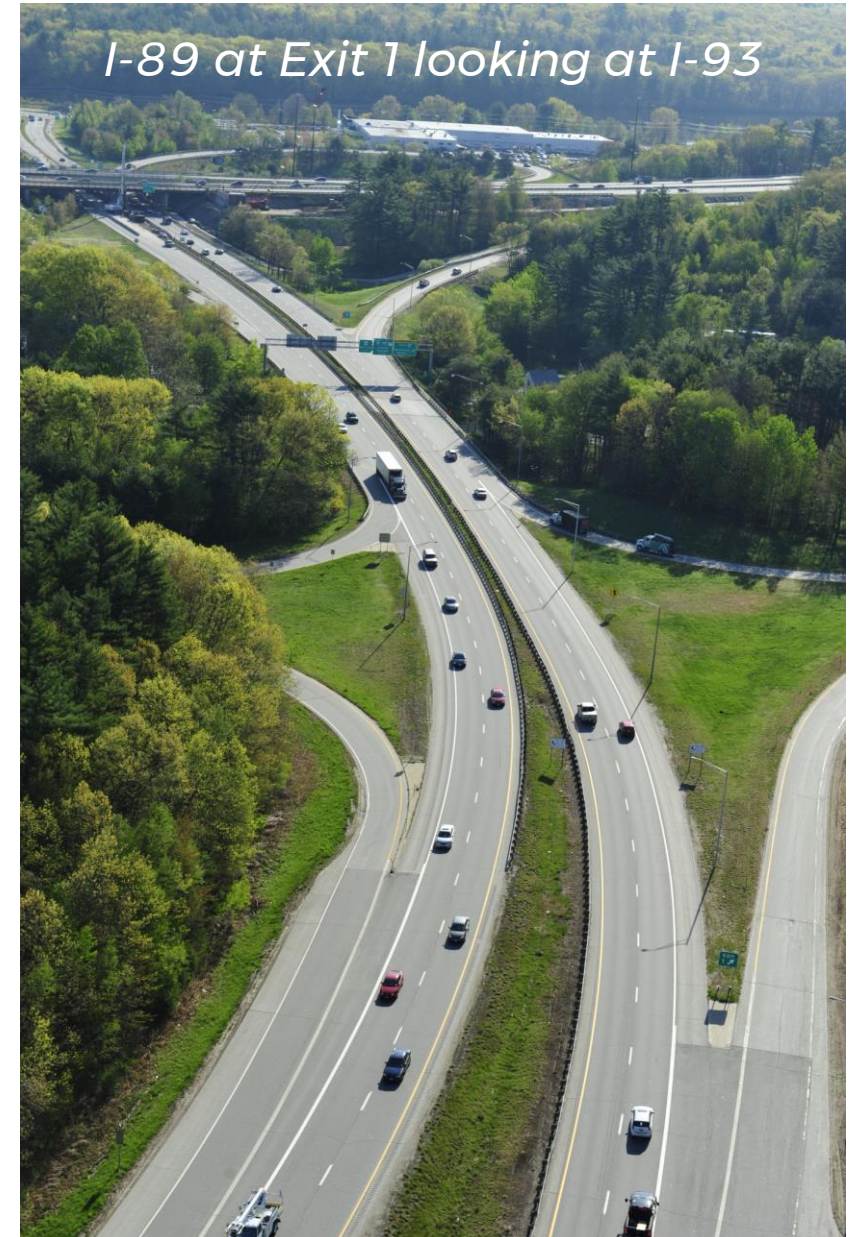
- Existing 2022
- AM/PM Peak Periods
- Average Mid-week (*Tues-Thurs*)
- Peak Month (*July*)





Design Modifications

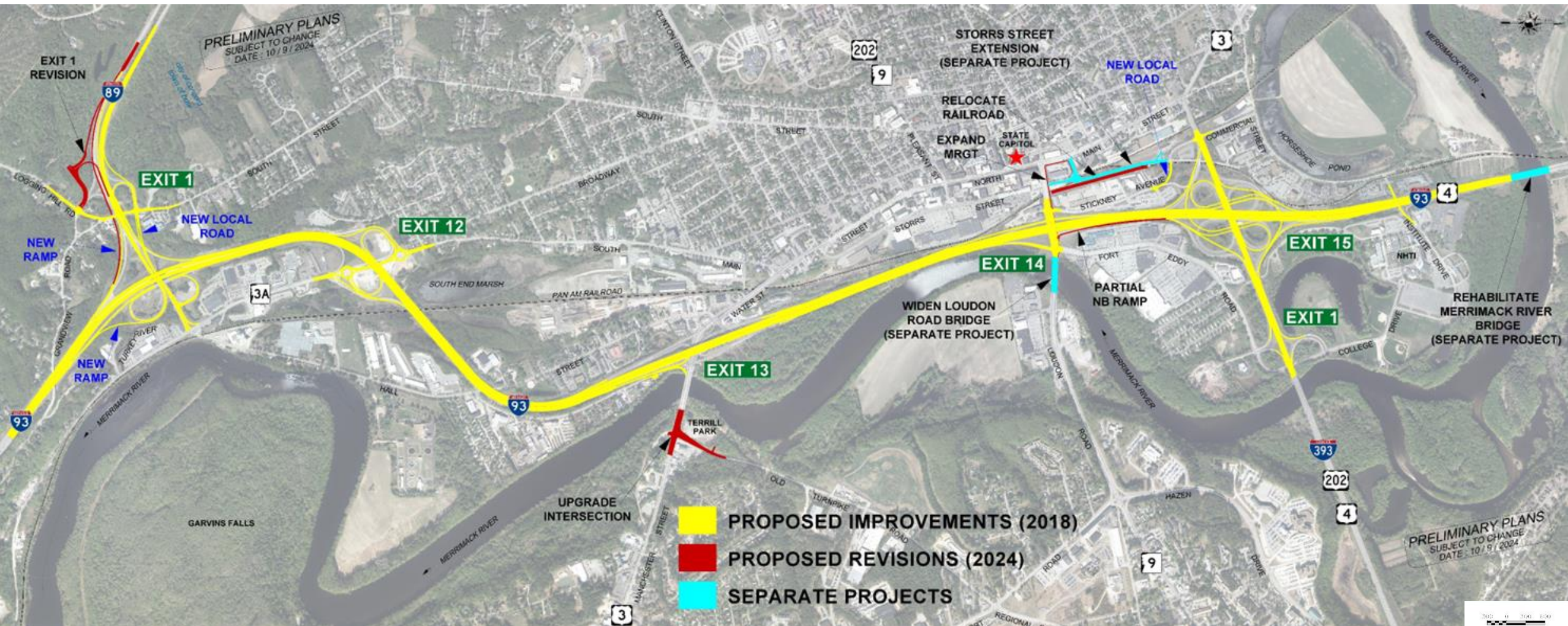
- Modified I-89 Exit 1 southbound ramps
- Inclusion of Manchester Street and Old Turnpike Road intersection
- Retention of Exit 14 northbound entrance ramp
- Expansion of Merrimack River Greenway Trail (MRGT)
- Relocation of NH railroad tracks near Storrs Street
- Landscaping and Aesthetic Treatments





Creating Connections in our Capital Community and Beyond

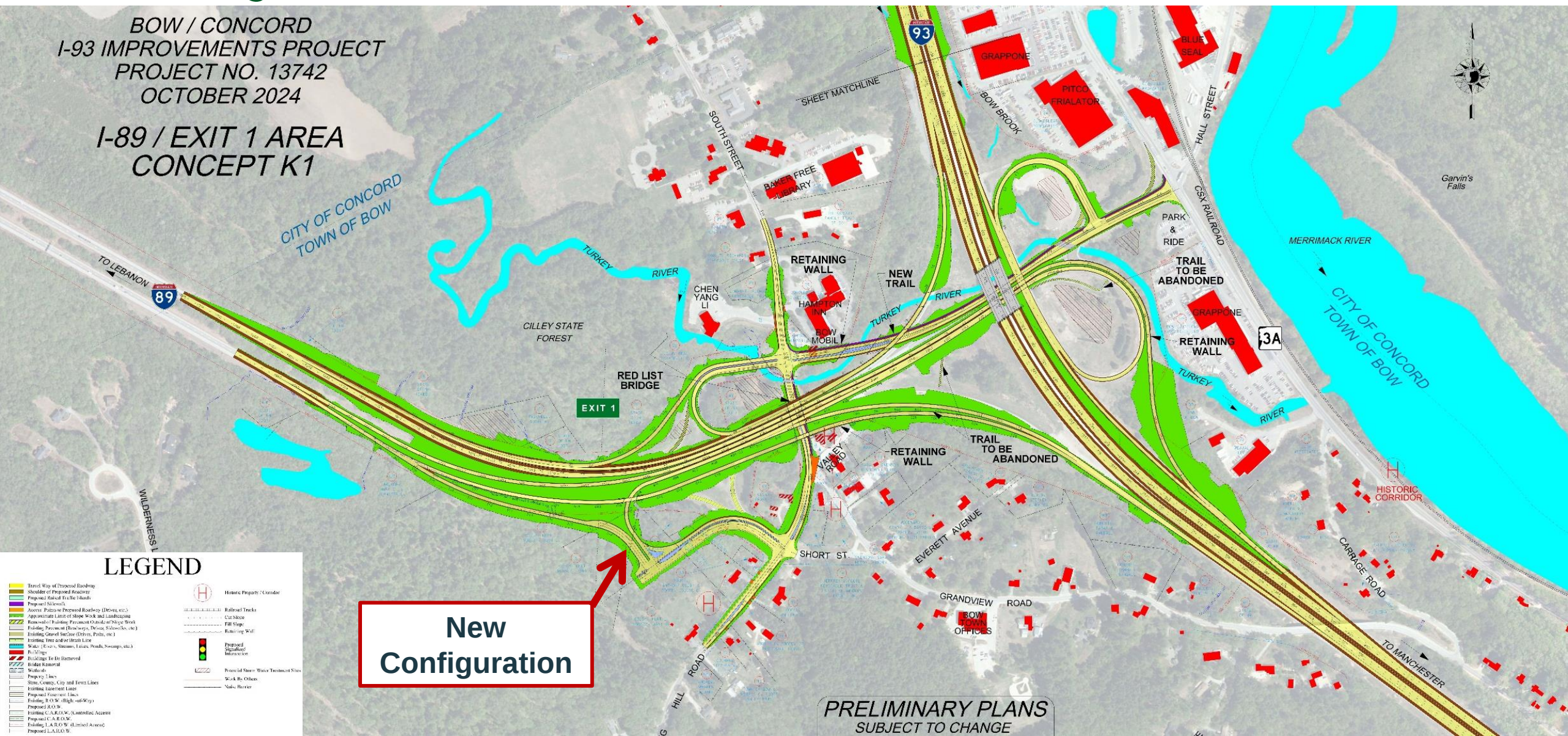
Design Modifications





Preliminary Plans – Subject to Change 10/9/24

*I-89 / EXIT 1 AREA
CONCEPT K1*





Preliminary Plans – Subject to Change 10/9/24

EXIT 12 AREA CONCEPT F

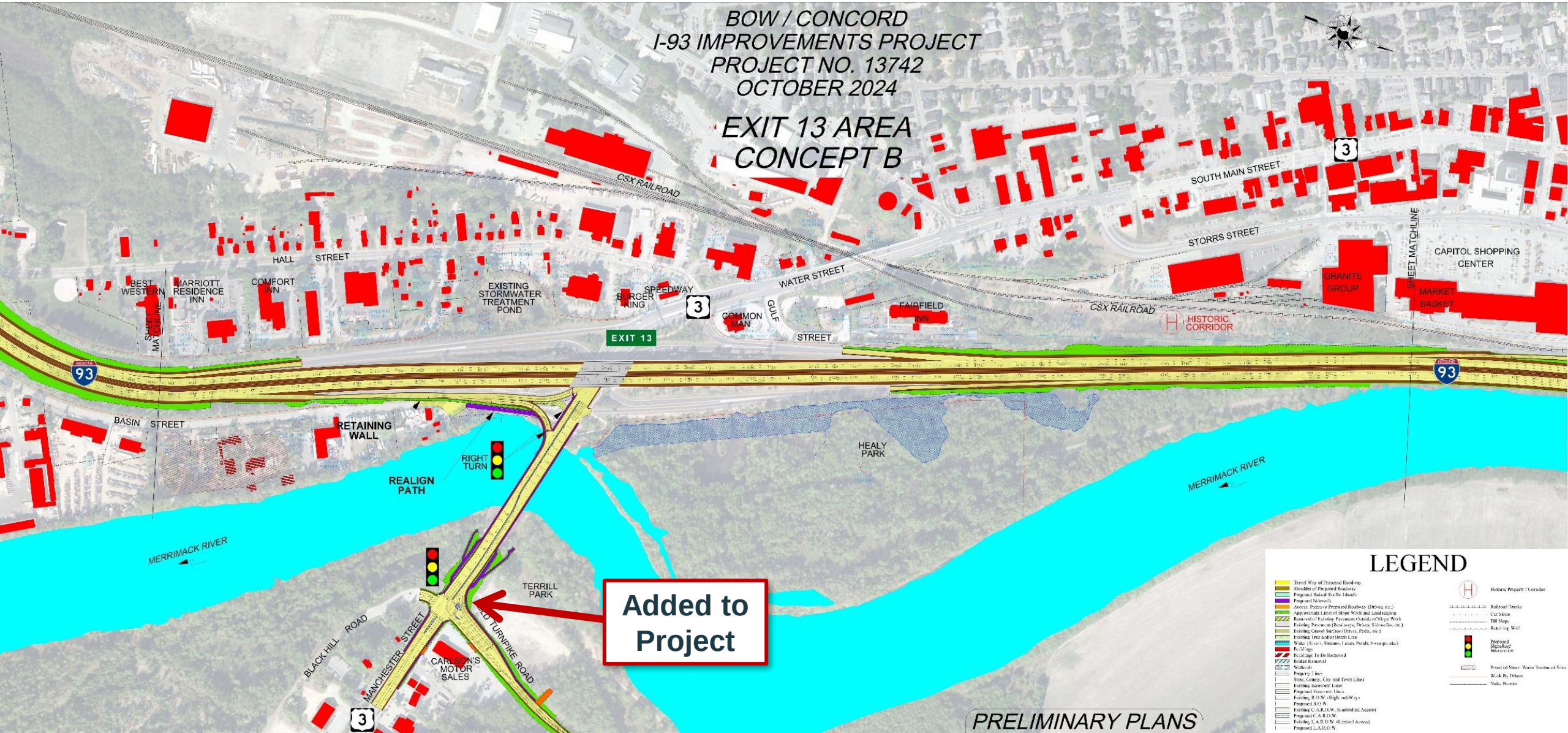




Creating Connections in our Capital Community and Beyond

Design Modifications

Preliminary Plans – Subject to Change 10/9/24



Added to Project

LEGEND

	Travel Way of Proposed Roadway		Historic Property / Corridor
	Shoulder of Proposed Roadway		Railroad Tracks
	Proposed Railroad Right-of-Way		Carbide
	Proposed Right-of-Way		Fill Slope
	Approximate Limit of Slope Work and Landscaping		Retaining Wall
	Access Points to Proposed Roadway (Driveway, etc.)		Proposed Signalized Intersection
	Removal of Existing Pavement Outside of Right-of-Way		Proposed Stormwater Treatment Structure
	Existing Pavement (Driveway, Private Driveway, etc.)		
	Existing Gravel Surface (Driveway, Path, etc.)		
	Existing Tree and/or Drain Line		
	Water (River, Stream, Lake, Pond, Swamp, etc.)		
	Buildings to be Demolished		
	Bridge Removal		
	Wetlands		
	Property Lines		
	State, County, City and Town Lines		
	Existing Easement Lines		
	Proposed Easement Lines		
	Existing R.O.W. (Right-of-Way)		
	Proposed R.O.W.		
	Existing C.A.R.O.W. (Limited Access)		
	Proposed C.A.R.O.W.		
	Existing L.A.R.O.W. (Limited Access)		
	Proposed L.A.R.O.W.		

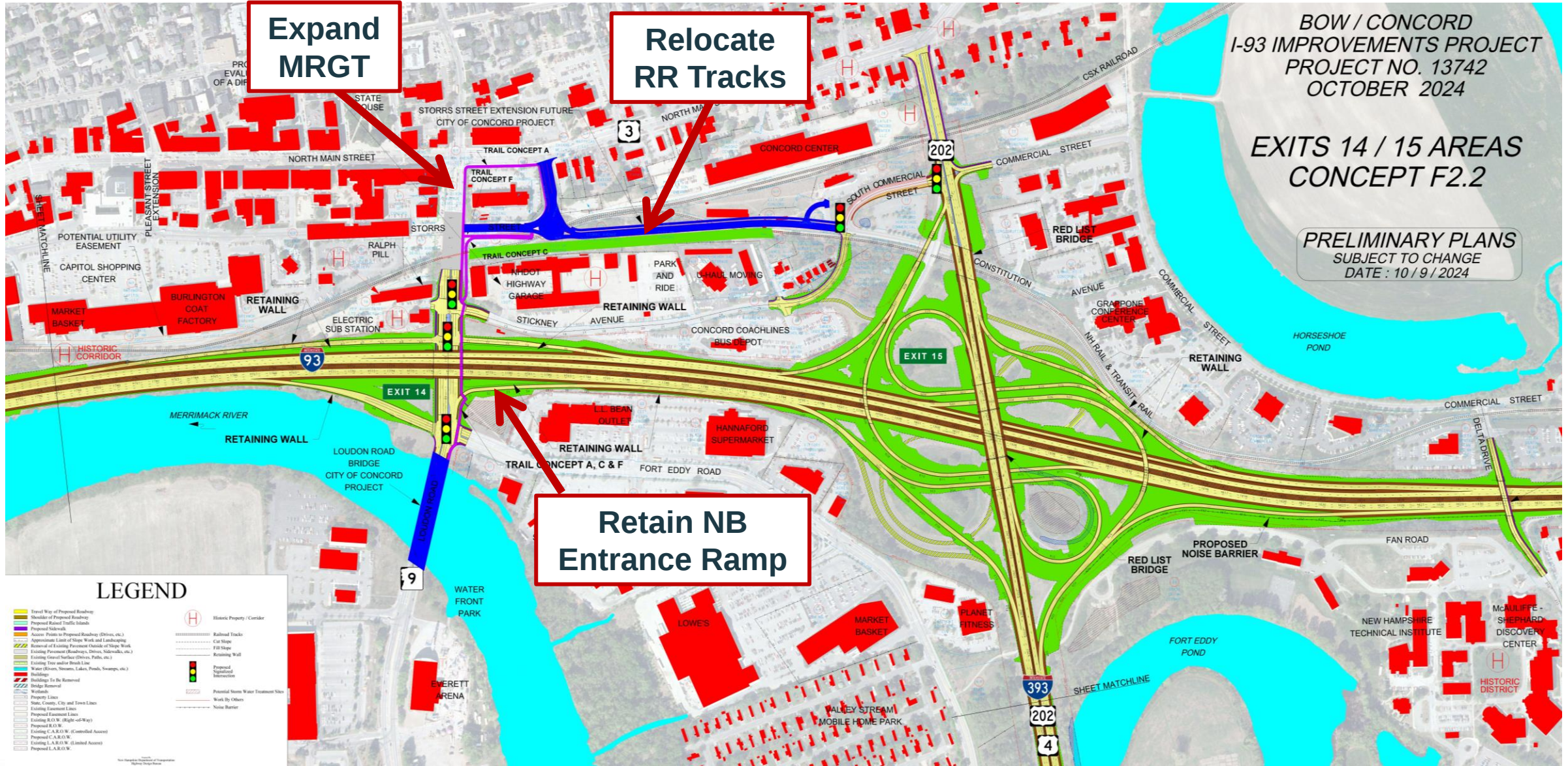
PRELIMINARY PLANS



Creating Connections in our Capital Community and Beyond

Design Modifications

Preliminary Plans – Subject to Change 10/9/24





What is NEPA



National Environmental Policy Act

- **NEPA**
requires federal agencies to assess the social, economic, and environmental impacts of a proposed action.
- **Environmental Assessment**
 - Range of alternatives
 - Draft 2018
 - Updates 2024

Environmental Assessment/ Draft Section 4(f) Evaluation

Interstate 93 Improvements
Bow to Concord
FHWA #T-000(18), NHDOT #13742
Volume 1

Prepared for
U.S. Department of Transportation
Federal Highway Administration
New Hampshire Department of Transportation





Environmental Resources



Natural Resources

Wetlands:

1.4 Acres Impacted (0.7 Bow & 0.7 Concord)

Stream Crossings:

3 to be replaced with larger crossings
1 new bridge over Turkey River

Conservation Land:

0.7 Acres (0.7 Bow & 0.0 Concord)

Water Quality:

Stormwater runoff will be treated in swales
and detention basins





Cultural Resources

Section 106 of the National Historic Preservation Act:

Offers those that possess an interest in historical resources an opportunity to become more involved in an advisory role during project development as “Consulting Parties.”

- **2018:** Impacts identified to 2 properties
- **2024:** Potential impacts to 2 additional properties
- **Scan QR Code** to view Consulting Party Handout

<https://www.dot.nh.gov/documents/section-106-consulting-party-handout>





Public Outreach Resources



Creating Connections in our Capital Community and Beyond

Public Outreach Resources



Visit the New Project Website!
www.Bow-Concord.com



New project branding
to easily identify the project



All materials
will be available online

The screenshot shows the New Hampshire DOT website for the Bow-Concord project. The header includes the New Hampshire DOT logo and navigation links: Home, Learn More, Public Outreach, Document Library, Contact Us, and a language selector for English. A search bar is also present. The main banner features a collage of images: the New Hampshire State House, a scenic view of Concord, and a highway interchange, with the Bow-Concord logo overlaid. Below the banner, the page is divided into several sections:

- Creating Connections for our Capital City Community and Beyond**: A paragraph describing the project's goals to address safety, mobility, and transportation choices along the corridor.
- Public Informational Meeting**: A section detailing the meeting date (Thursday, October 24, 2024, 6:00 pm), a "Save the Date!" notice, and an invitation to join the Project Team for a presentation and Q&A session. A "Learn More!" link is provided.
- Bow-Concord Project Benefits Our Communities**: A section with four icons and corresponding text boxes:
 - Improving Roadway Safety**: Icon of a shield with a checkmark and a car.
 - Reducing Congestion**: Icon of a car stuck in traffic with a red exclamation mark.
 - Improving Bicycle & Pedestrian Facilities**: Icon of a person on a bicycle and a person walking.
 - Least Impactful Alternative**: Icon of a gear with a star and a thumbs up.
- Area Map**: A map showing the project area (highlighted in orange) and city limits (dotted lines). A legend identifies the Project Area and City Limits. A "Learn More!" button is located above the map.
- Schedule**: A section titled "Schedule based on Current NH Ten-Year Plan Funding" with a "Planning" status and a "Completed: 2008" date. It lists the Project Vision and Range of Reasonable Alternatives.



Creating Connections in our Capital Community and Beyond

What's Next?



Design and Traffic Workshops
being planned for 2025



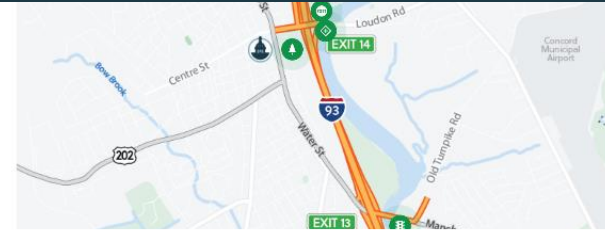
Scan QR Code
to Visit the New Website
and Sign Up for Project updates



Email Us
info@Bow-Concord.com



Contact Us By Phone
603-333-1933



- Environmental Document
- Public Hearing

Final Design & Right of Way
Anticipated Start: 2026 - 2030

- Final Design
- Purchase Right of Way
- Environmental Permitting

Construction

Anticipated Timeframe: 2029 - 2038

- 2029 - 2031
Critical I 93 Bridge Projects
- 2032 - 2035
I 93 LWT
- 2036 - 2038



Stay involved and learn more about the project by signing up to receive updates and details about upcoming events.

Add your email at the bottom of the page.



Get Involved

We want to hear from you

Get Involved

Contact Us

Have questions or want to learn more about the project, contact us below:

- Phone (603) 333-1933
- Email info@Bow-Concord.com
- Website www.dot.nh.gov
- In writing John O. Morton Building
P.O. Box 483 Hazen Dr.
Concord, NH 03302-0483

Receive Project Updates

Stay involved and learn more about the project by signing up to receive updates and details about upcoming events.

Email address

Submit



Closing



Immediate Project Priorities

1. Maintenance & Removal of Six Red-List Bridges

Top Priority: I393 over I93

2. Safety Improvements

Multimodal, Intersection & Interchange

Top Priority: I89 Exit 1

Future Goals

- **2025:** Completion of the Environmental Assessment and FHWA Approvals
- **2026:** Finalize Highway Layout & Begin Red-List Bridge Project Final Designs
- **2027:** Begin Project Final Design



Next Steps

1. Environmental Assessment

- Complete impact analysis & environmental documentation
- Continue consultation with resource agencies

2. Complete Traffic Study & I93 Widening Evaluation

- Traffic & Design Workshops, Winter & Spring, 2025
- Noise Re-Analysis & Abatement Study

3. Design Additions & Modifications

- Constructability Reviews & Estimate Revisions
- Evaluate Gateway Treatments & Options

4. Merrimack River Greenway Trail (MRGT)

- Develop and present concepts developing for initial TPAC Review
- Provide content for Storrs Street Project Coordination

5. Collaboration

- Value Engineering Study
- Continued Utility Coordination
- Supporting Deck Park study w/ project info





Q&A



Q&A

Please follow these Q&A ground rules:

- Your questions and comments are welcome!
- Elected Officials are invited to come up first to ask questions and provide comment
- Form a line at the front of the room
- State your name and location (town of residence/business)
- Allow all attendees an opportunity to speak before returning to speak again
- Refrain from background discussions during Q&A so everyone can hear the questions/comments and responses
- The Q&A session will be recorded by Concord TV; if you prefer not to ask your question during the meeting, you are welcome to complete a comment card and return it to the check in table
- The Q&A session will be open until 8 p.m.



Thank you!