



# Bow Concord I-93 Improvements T-A000(018) 13742

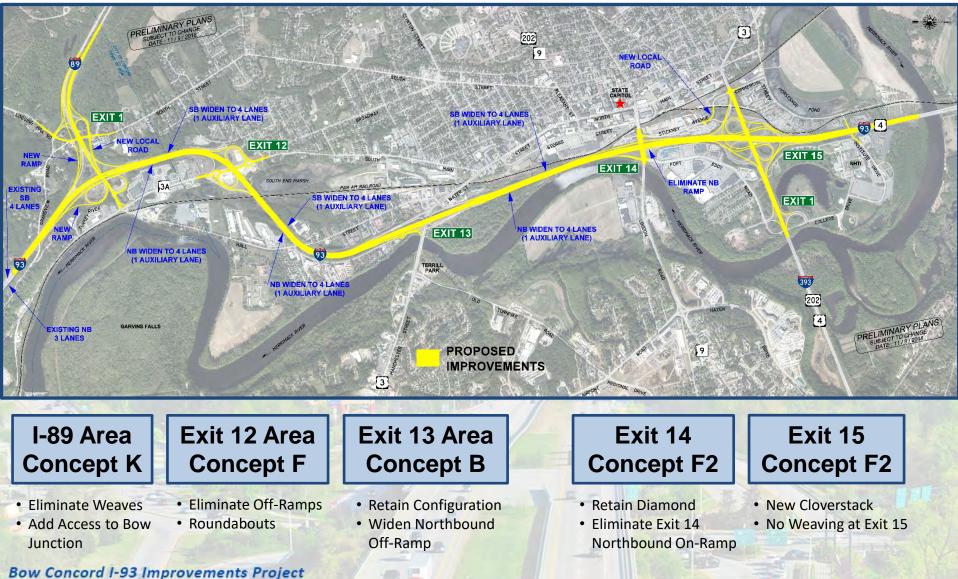
# Concord City Council Presentation

October 11, 2022





## **Proposed Project (2018)**







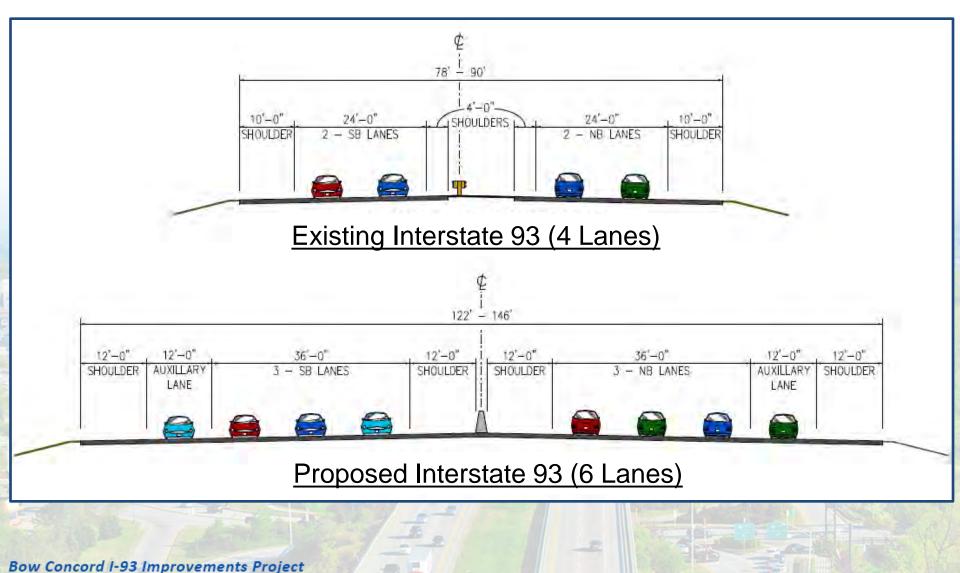
### **Project Purpose**

The purpose of the Interstate 93 Bow-Concord project is to address the existing and future transportation needs for all users of this four-mile segment of I-93, while balancing the needs of the surrounding communities, by providing a safe and efficient transportation corridor for people, goods and services.





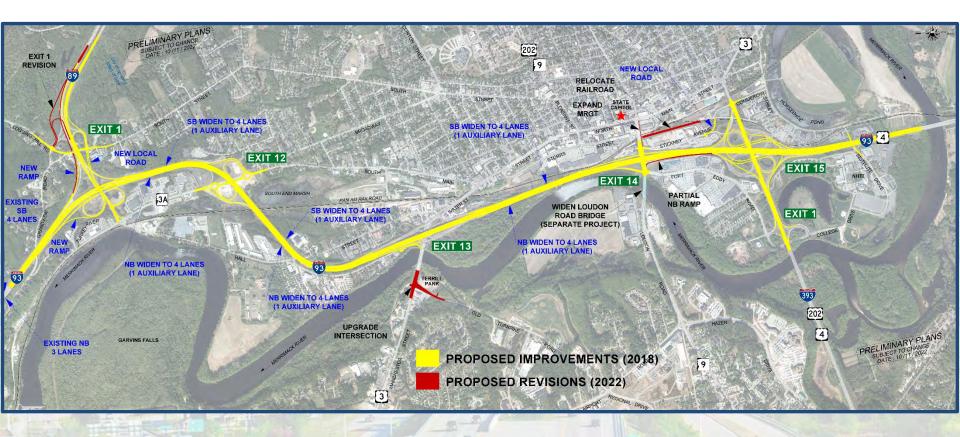
### **I-93 Typical Sections**







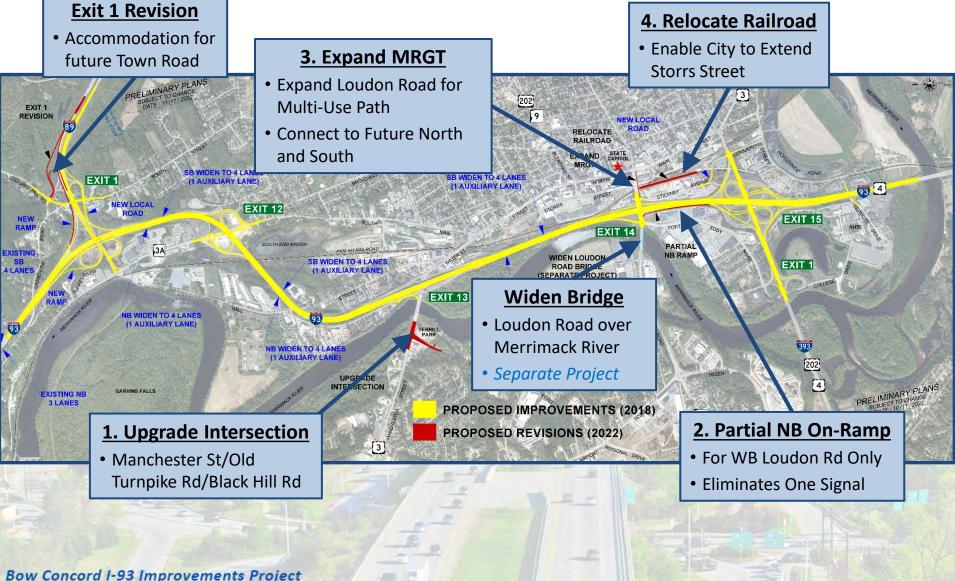
### **Proposed Project (2022)**







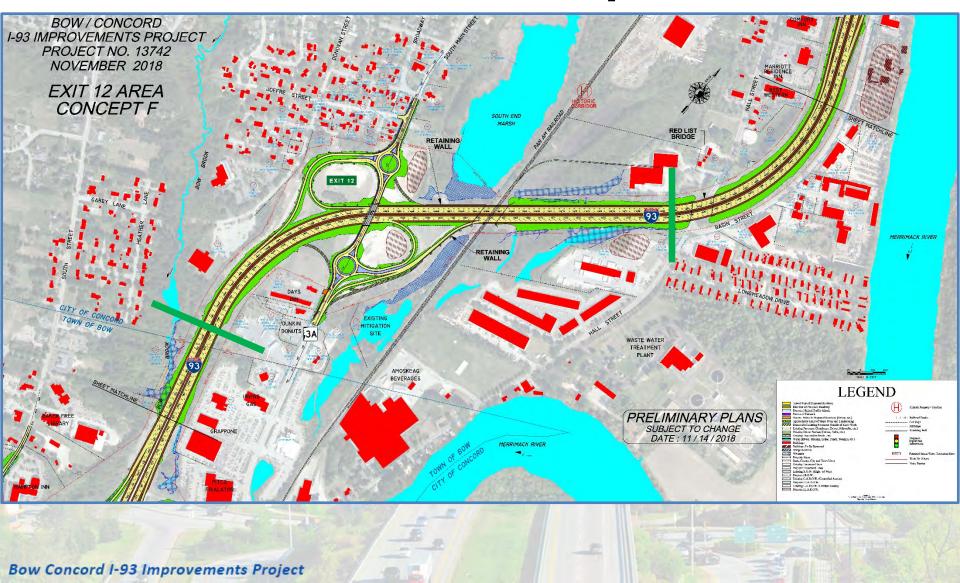
## Proposed Project (2022)







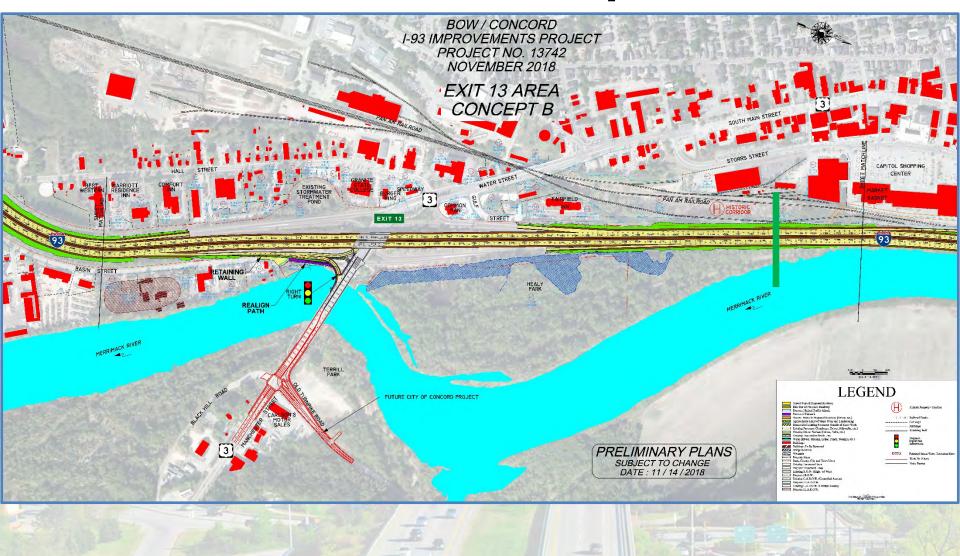
### Exit 12 Area - Proposed







### Exit 13 Area - Proposed

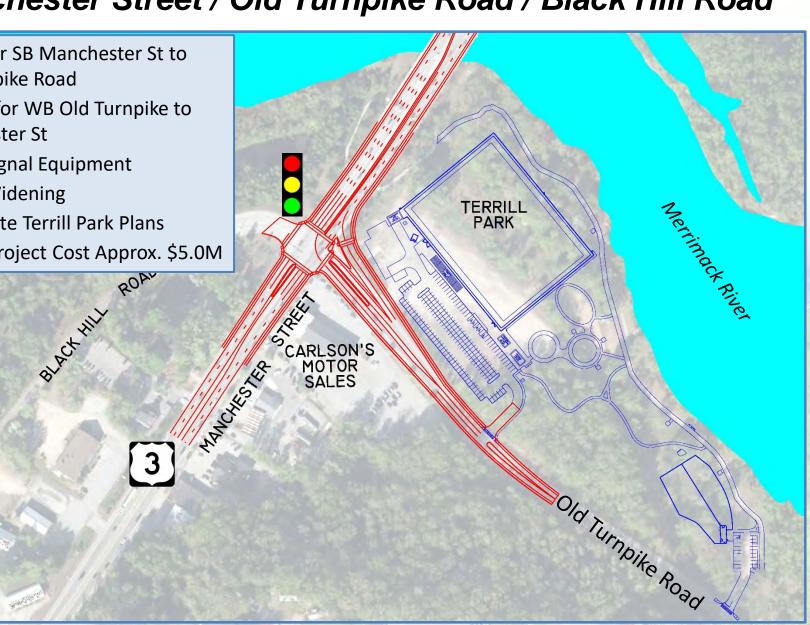






### 1. Manchester Street / Old Turnpike Road / Black Hill Road

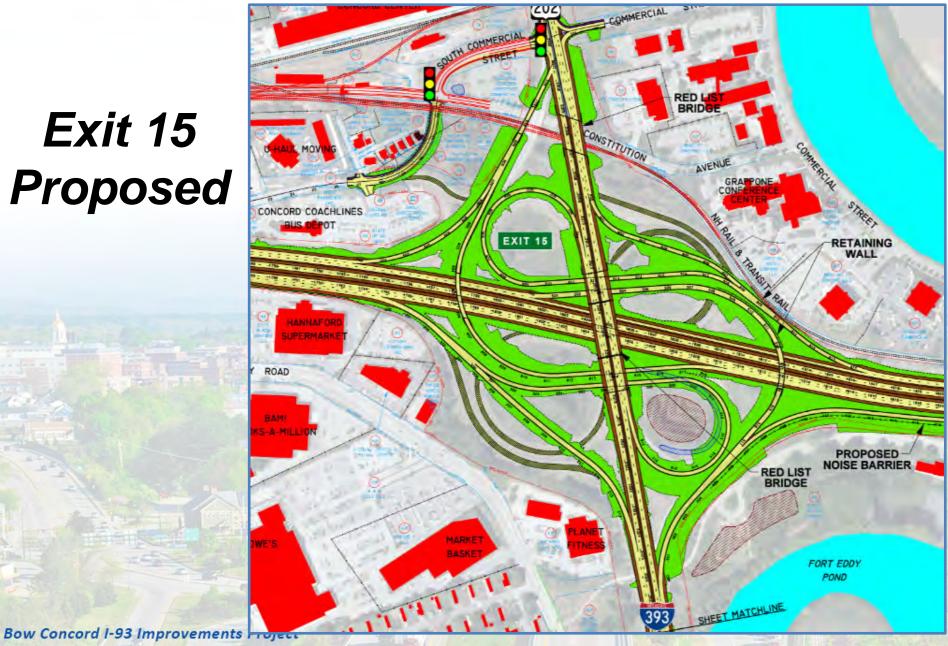
- Dual Lefts for SB Manchester St to EB Old Turnpike Road
- Dual Rights for WB Old Turnpike to **NB** Manchester St
- **Upgraded Signal Equipment**
- No Bridge Widening ٠
- Accommodate Terrill Park Plans ٠
- Additional Project Cost Approx. \$5.0M ٠







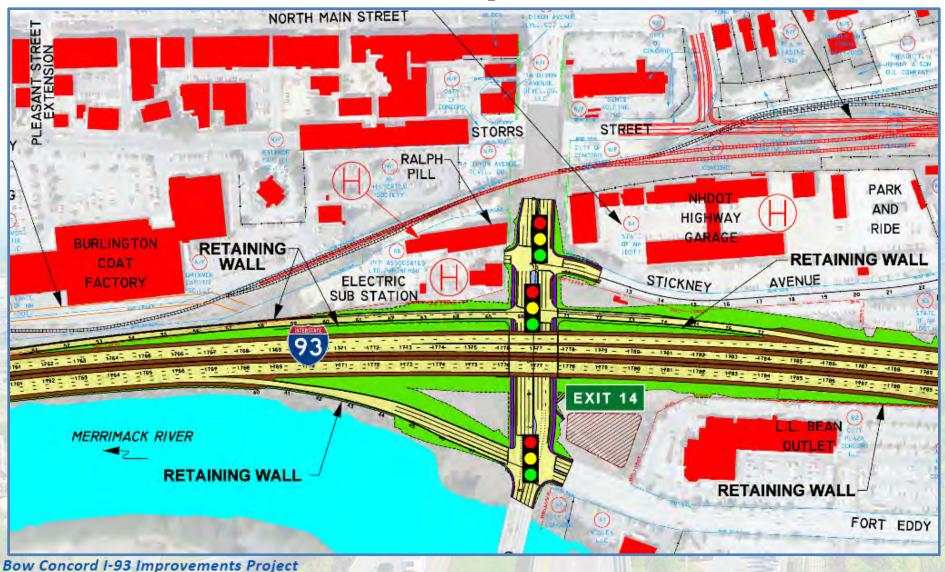
### **Exit 15** Proposed







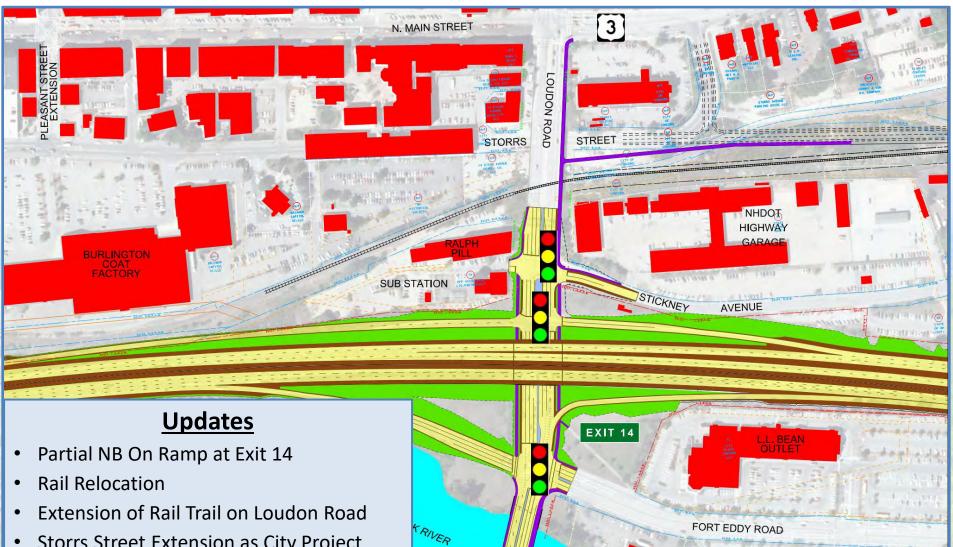
### Exit 14 – Proposed 2018







## Exit 14 (2022)

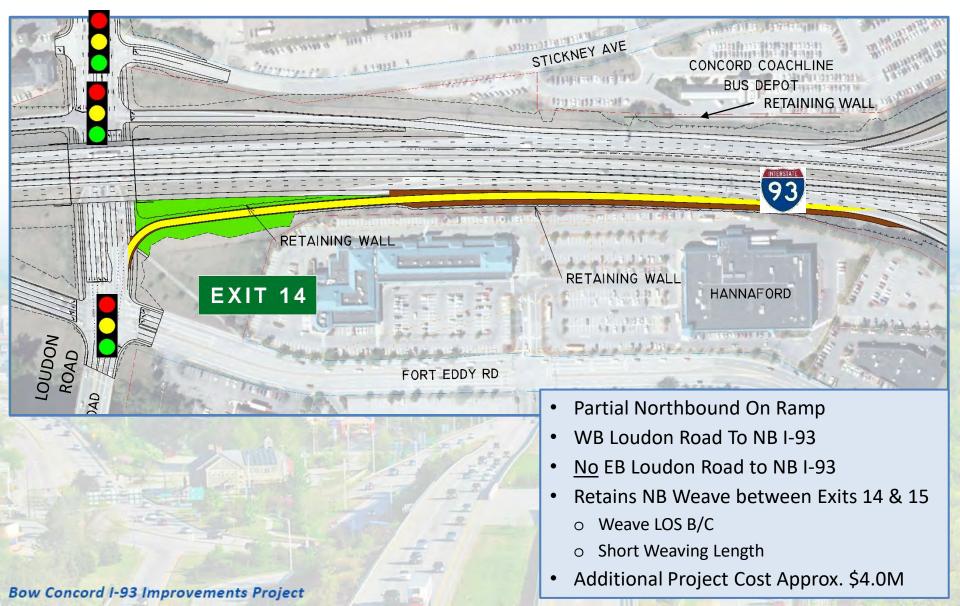


- Storrs Street Extension as City Project ٠
- No Flip of Exit 14 •





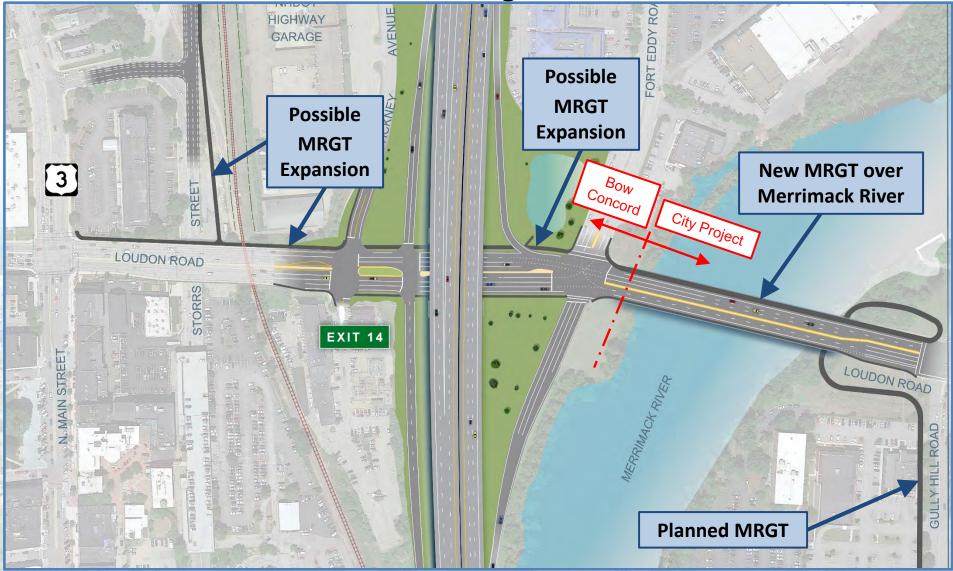
### 2. Partial NB On Ramp at Exit 14







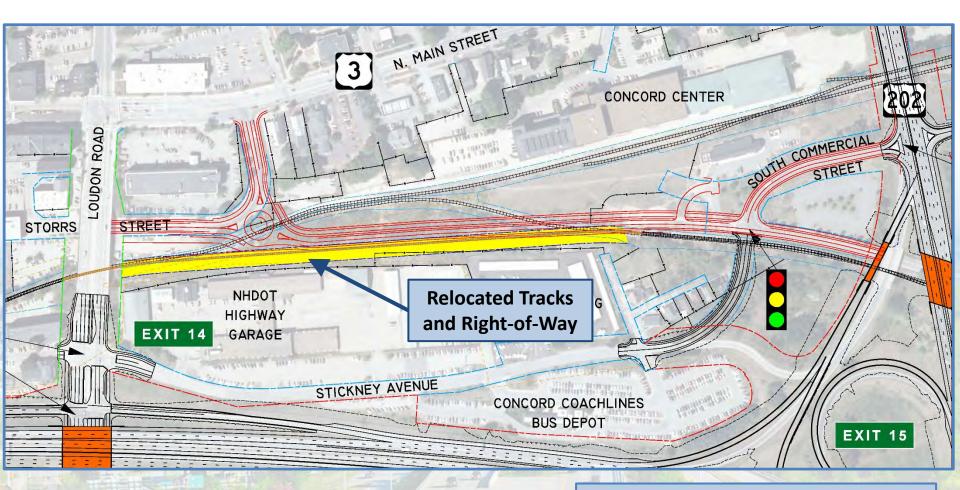
#### 3. Expand the Merrimack River Greenway Trail (MRGT) Widened Loudon Road Bridge over Merrimack River







### 4. Railroad Track Re-alignment

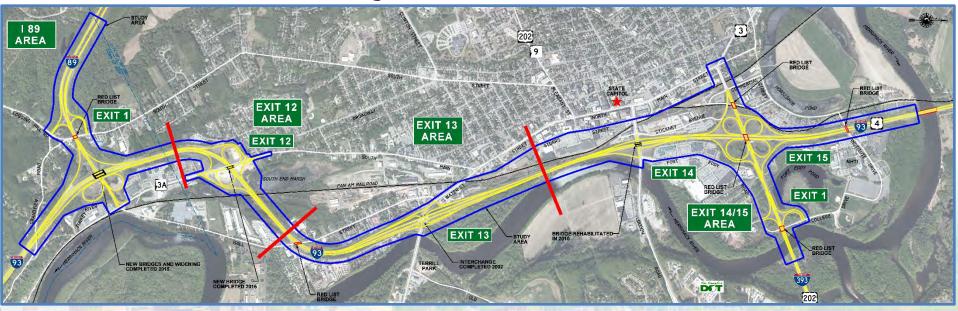


- Relocate Active State Freight Tracks
- Enables Storrs Street Extension
- Property Transfers Required





### **Project Benefits**



#### Safety Goals

- Red List Bridges (5)
- Crash Reduction
- Reduce or Eliminate Weaving b/w Interchanges
- Improve Inadequate Deceleration
- Reduce Congestion & Slow Speeds (Delay & Queuing)

Bow Concord I-93 Improvements Project

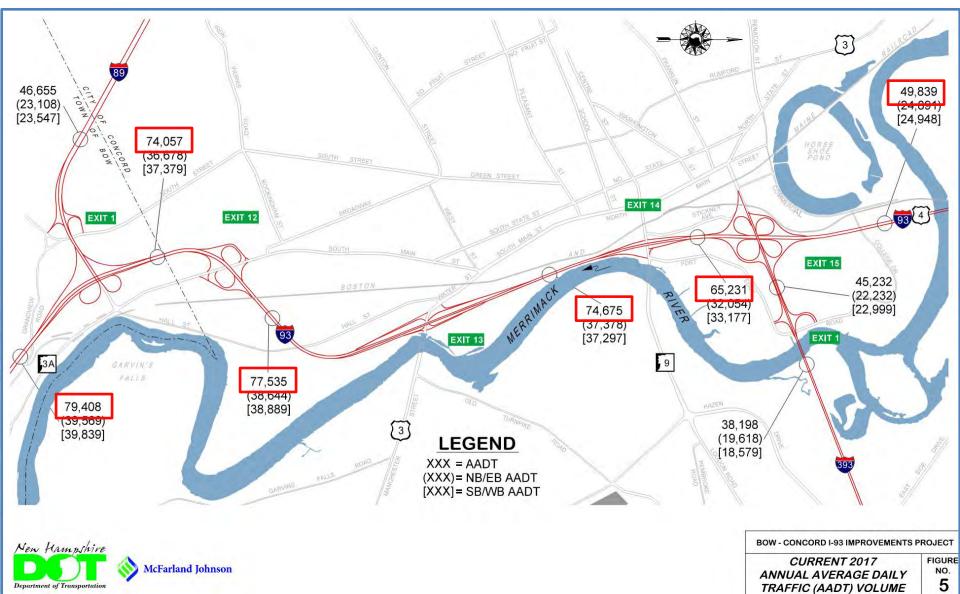
#### **City Benefits**

- Improved Safety (Interchanges & Intersections)
- Fills Gap in MRGT
- Accommodates Pedestrians & Bicyclists
- Stormwater Treatment
- Limited Property Impacts
- Relocate Railroad Tracks
- Reduced Emissions & Fuel Consumption
- Reduced Congestion on Local Roads





### **Traffic Volumes**







## Cost Update

Project Cost Presented at Public Hearing (2018\$) \$267.9 M Proposed 2022 Revisions (2022\$)

Old Turnpike Improvements	\$5 M
Exit 14 NB On-Ramp	\$4 M
MRGT Expansion	\$3 M
Railroad Relocation	<u>\$3 M</u>
	\$15 M

New Project Cost Additional Loudon Rd. Bridge Widening \$.

Bow Concord I-93 Improvements Project

\$282.9 M

\$15 M





### **Next Steps**

- Need City of Concord Support for Proposed Revisions
- Public Informational(s) Meeting Winter 2023
- Revise NEPA Document (EA) Winter to Summer 2023
  Public Hearing Fall 2023
  Begin Final Design Winter 2024





#### **Project Contacts:**

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### Fact Sheet

Wetlands:	1.4 Acres Impacted (0.7 Bow & 0.7 Concord)	
Conservation Land:	0.7 Acres (0.7 Bow & 0.0 Concord)	
Pavement:	Existing Proposed Difference	113 Acres 136 Acres 23 Acres (+21%)
Properties:	11 Full Acquisitions (6 Bow & 5 Concord) 32 Partial Acquisitions (14 Bow & 18 Concord)	
Red List Bridges:	5 (1 Bow & 4 Concord)	
Historic Properties:	7 Impacted (3	Bow & 4 Concord)