



Bow Concord I-93 Improvements

Public Informational Meetings

May 31, 2017

June 1, 2017





Study Area







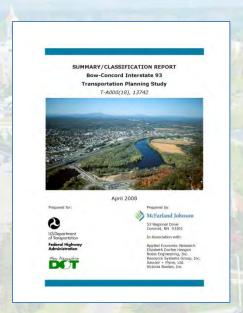
Agenda

- Project History / Project Development Process
- Project Scope
- Project Purpose and Need
- Resources
- Alternatives Development
 - I-93 Corridor
 - o Exit 13
 - o Exit 12
 - o I-89/I-93
 - o Exit 14/15
- Next Steps
- Questions





Project History/ Project Project Development Process



Part A – Planning (2002 - 2008)

- Problem & Goal Statements
- Range of Reasonable Alternatives
- Determine Level of Environmental Document
- Prepare Summary/Classification Report

Red List Bridges (2008 - 2016)

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

Part B - Scoping (2013 - 2017)

- Select Preferred Alternative
- Environmental Documentation (EA)
- Public Hearing

Part C – Final Design





Part B Scope

Preliminary Engineering

- Traffic Modeling
- Alternatives Development
- Cost Estimates
- Rail & Transit Assessment Report
- Corridor Report
- Engineering Report

NEPA Document

- Prepare Purpose and Need
- Environmental Assessment
- FONSI

Public Participation

- Public Meetings
- Project Website
- Public Hearing





Project Purpose and Need

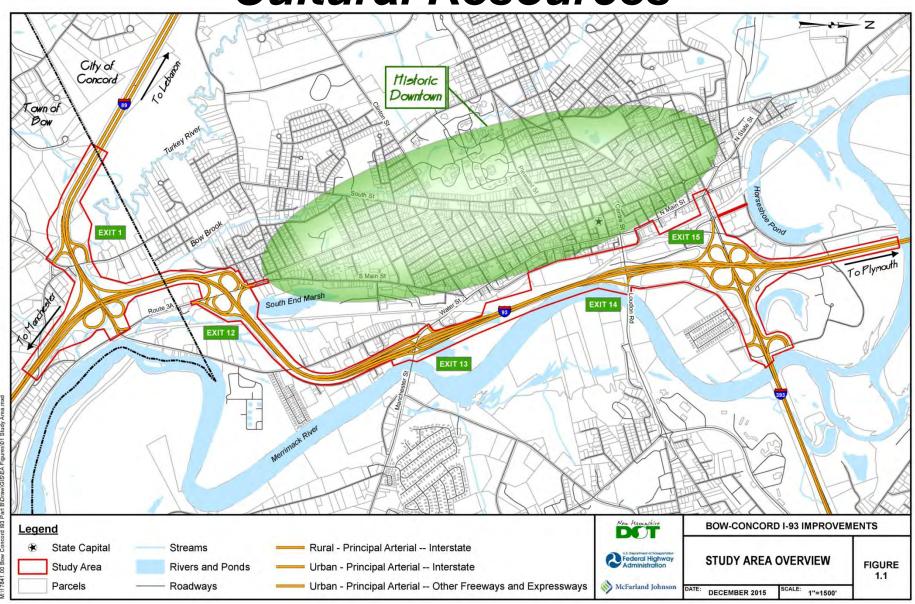
Purpose

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.





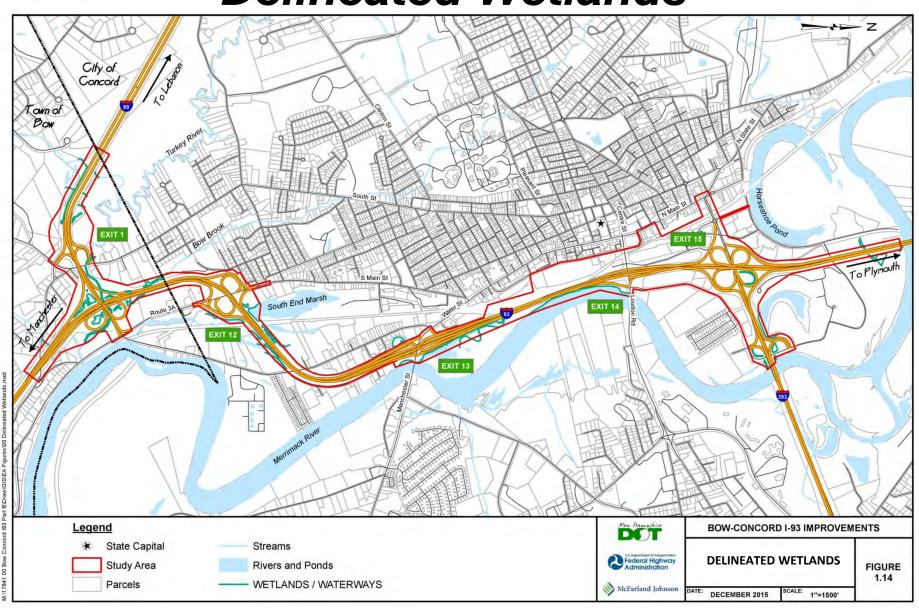
Cultural Resources







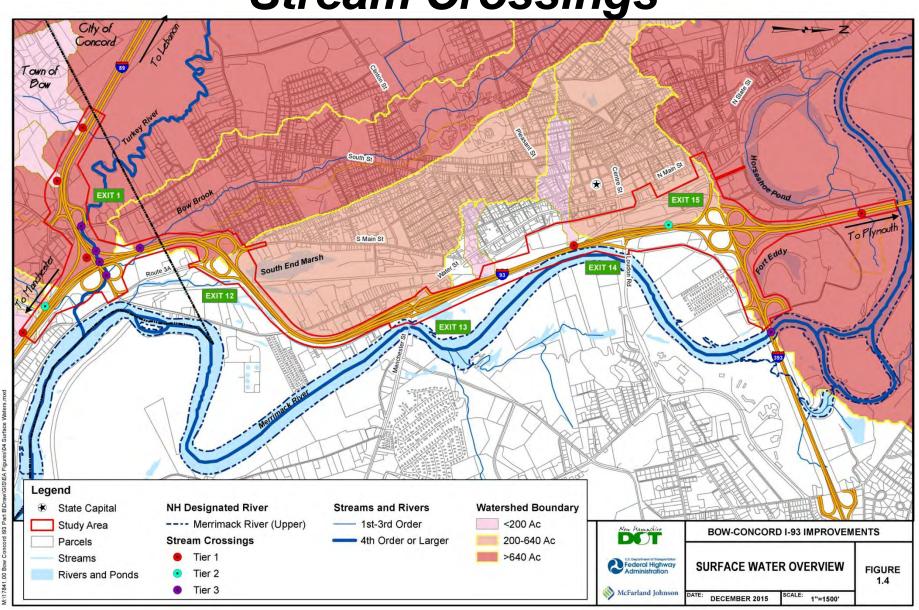
Delineated Wetlands







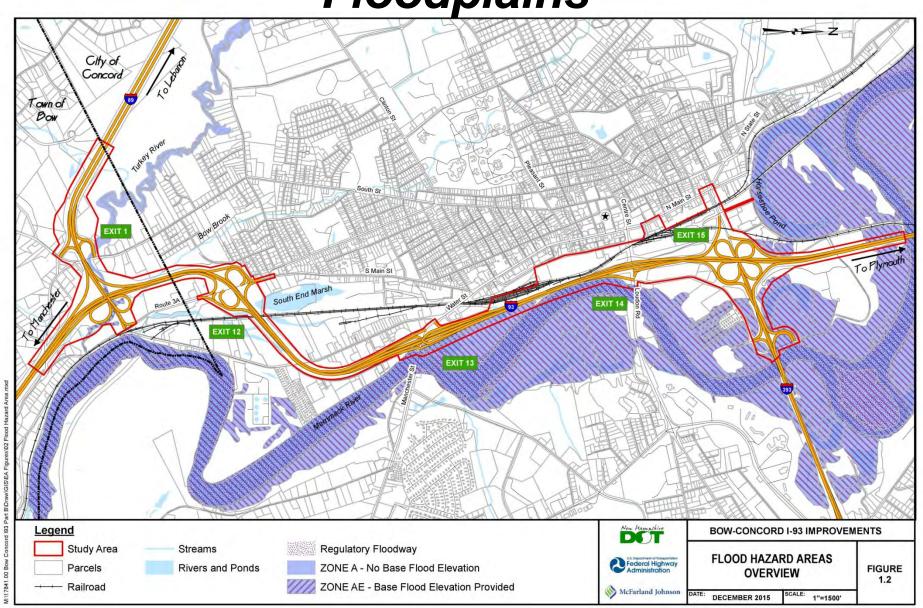
Stream Crossings







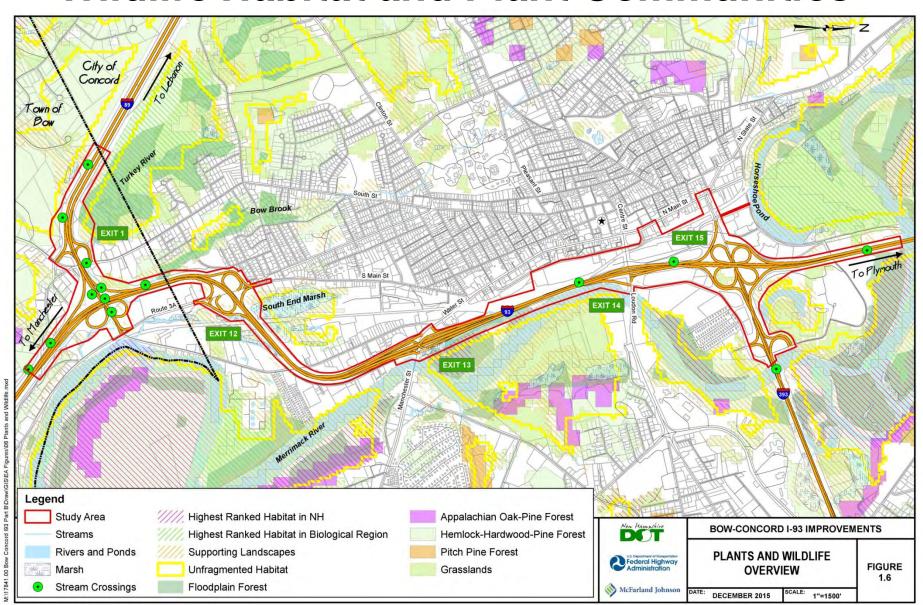
Floodplains







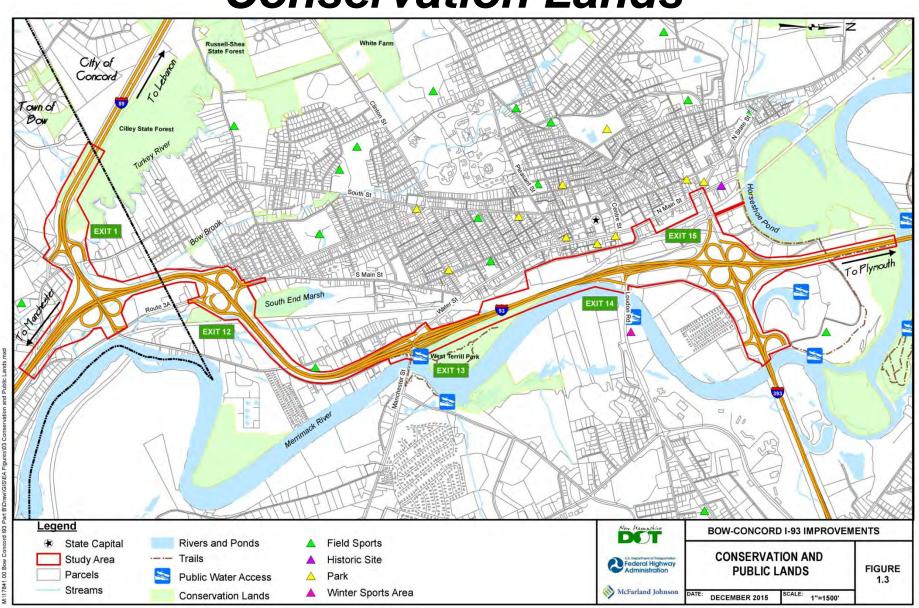
Wildlife Habitat and Plant Communities







Conservation Lands







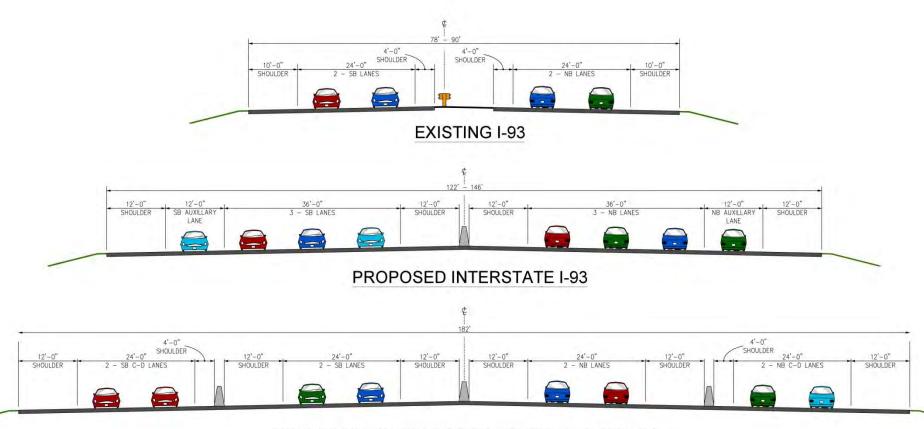
Alternatives Development







I-93 Typical Sections

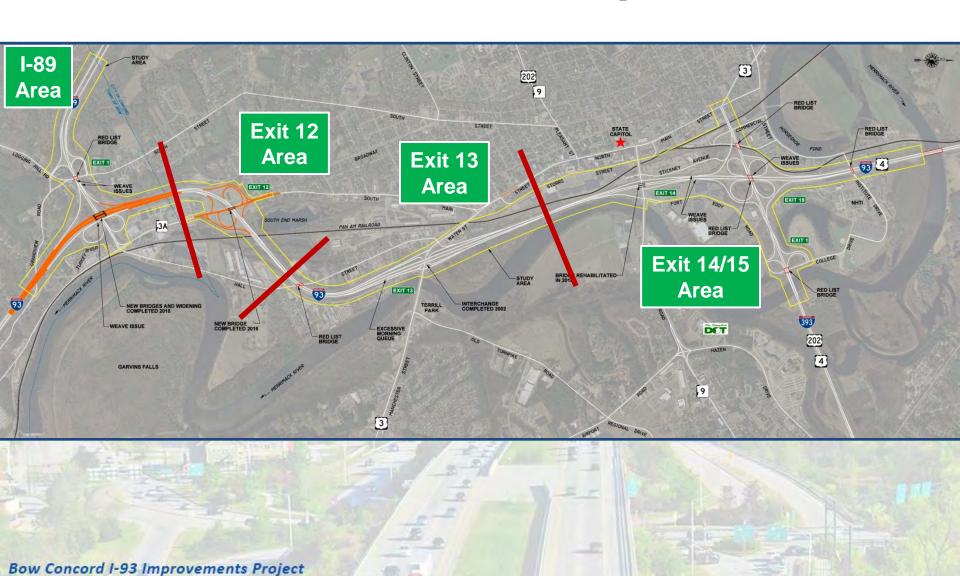


PROPOSED INTERSTATE I-93 WITH C-D ROADS



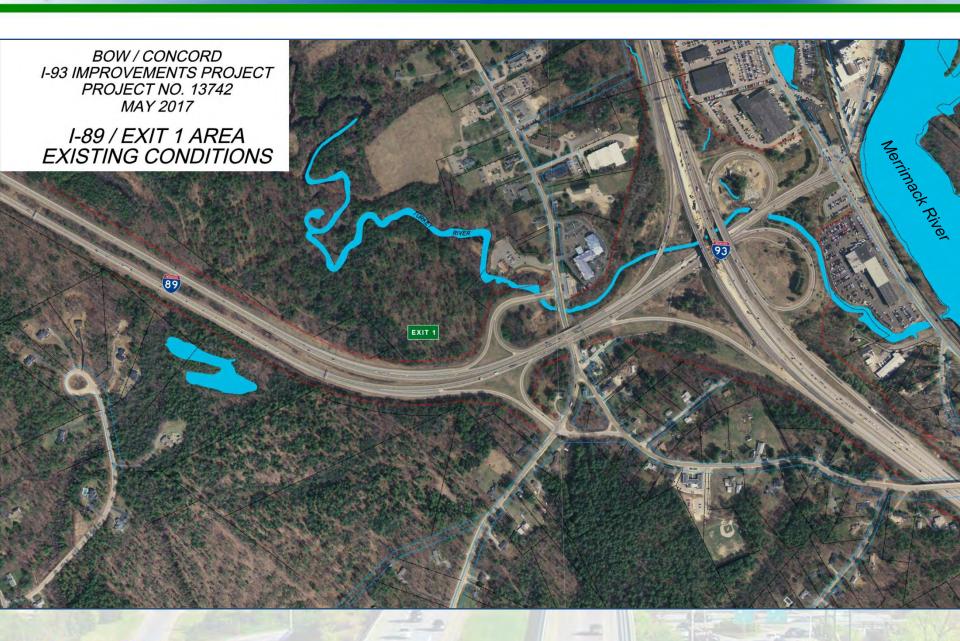


Alternatives Development









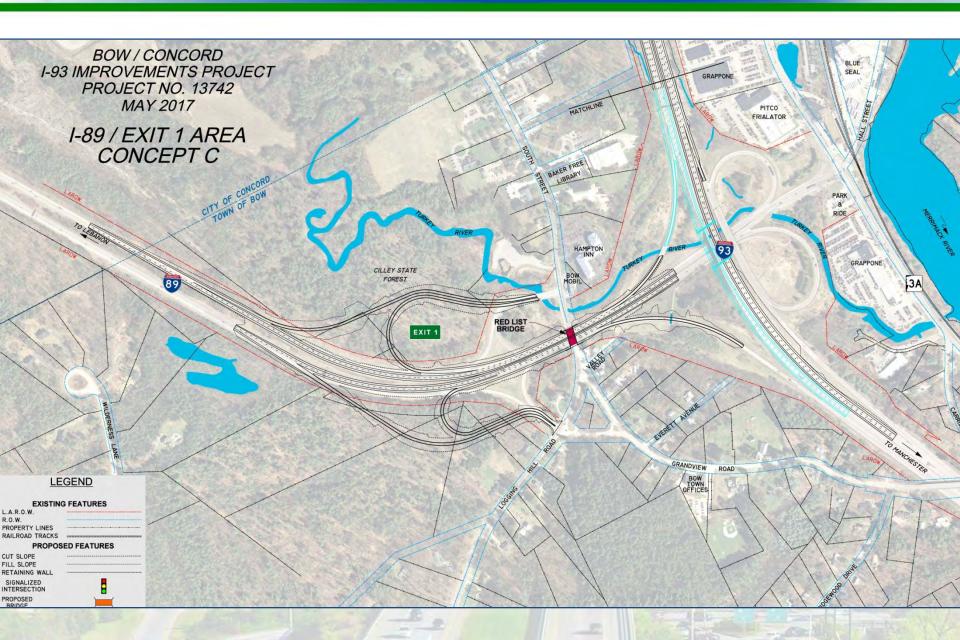






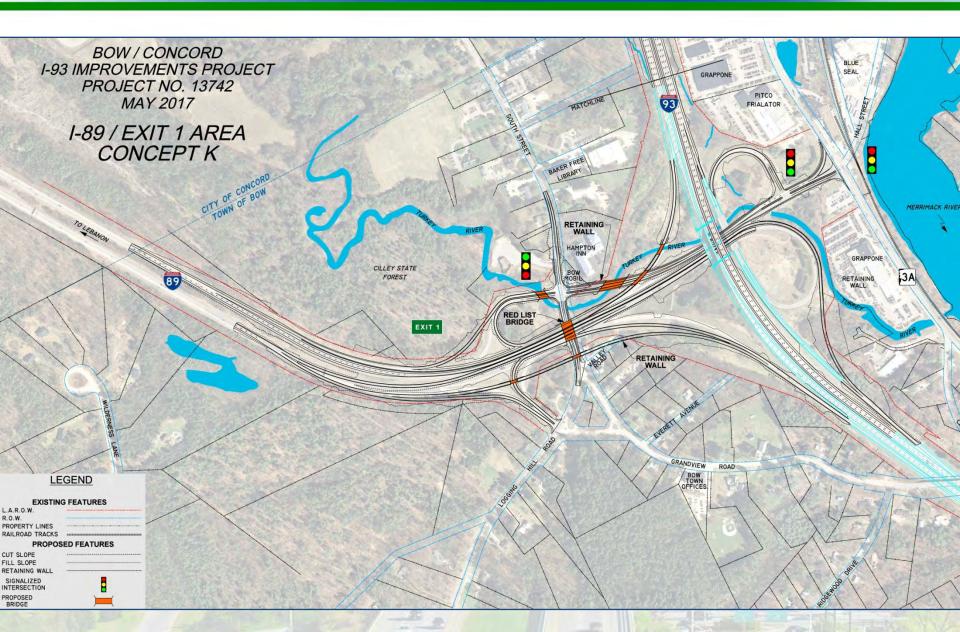






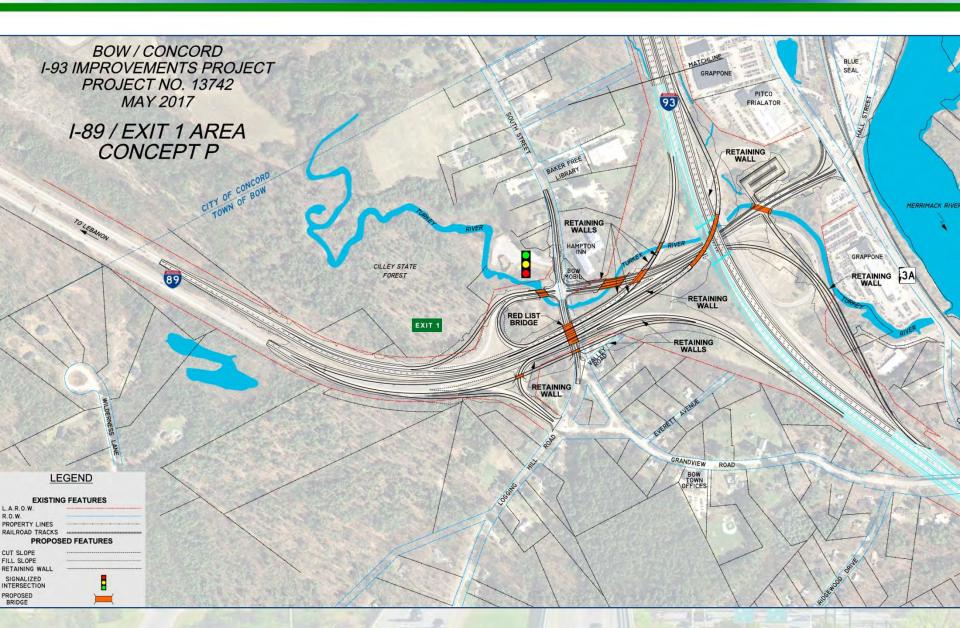
















I-89 Comparison

CONSIDERATION	CONCEPT C	CONCEPT K	CONCEPT P
Exit 1 To I-93 Weaves	Improved	Eliminated	Eliminated
I-93 NB To I-89 NB Weave	No Change	Improved	Eliminated
I-89 To Route 3A Access	No Change	Via Exit 1 or Via I-93 Exit 12	Via Exit 1 or Via I-93 Exit 12
Property Impacts	Cilley State Forest & Private Parcels	Bow Mobil & Private Parcels	Bow Mobil & Private Parcels
# Red List Bridges	1/1/		1
# New Bridges	0	4	5
Project Cost	\$30.0 M	\$62 <mark>.5 M</mark>	\$87.6 M

Bow Concord I-93 Improvements Project

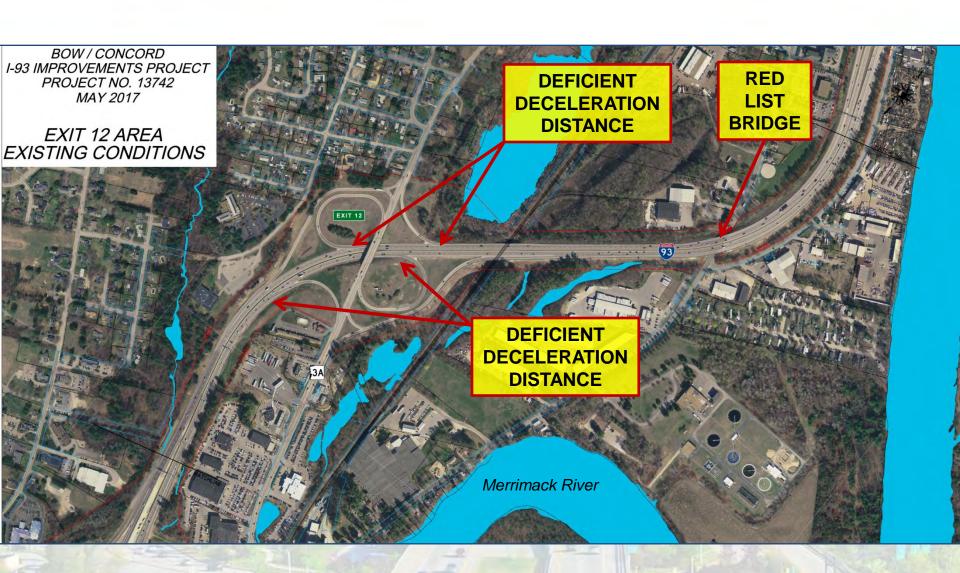






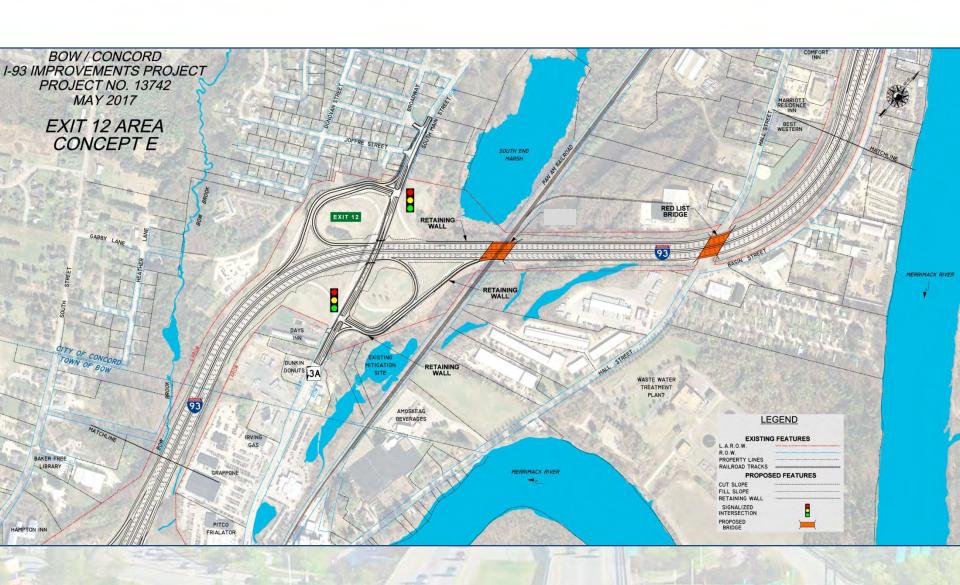






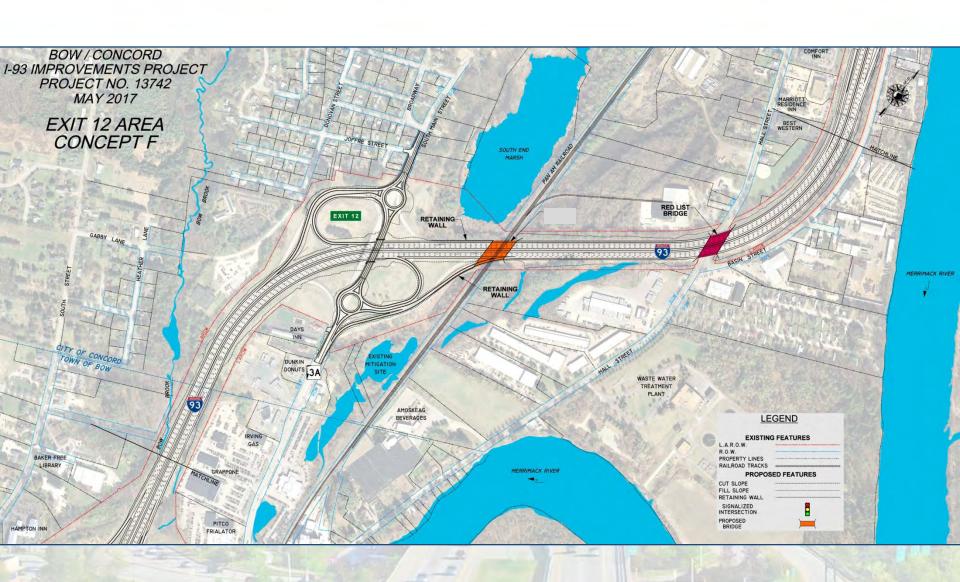
















Exit 12 Comparison

CONSIDERATION	CONCEPT E	CONCEPT F	
Level of Service (AM/PM)	LOS C/C with Queuing	LOS A/C with little Queuing	
Property Impacts	Partial Impacts along Route 3A	Partial Impacts along Route 3A	
# Red List Bridges	0	0	
# New Bridges	0	0	
Project Cost	\$34.4 M	\$34.5 M	







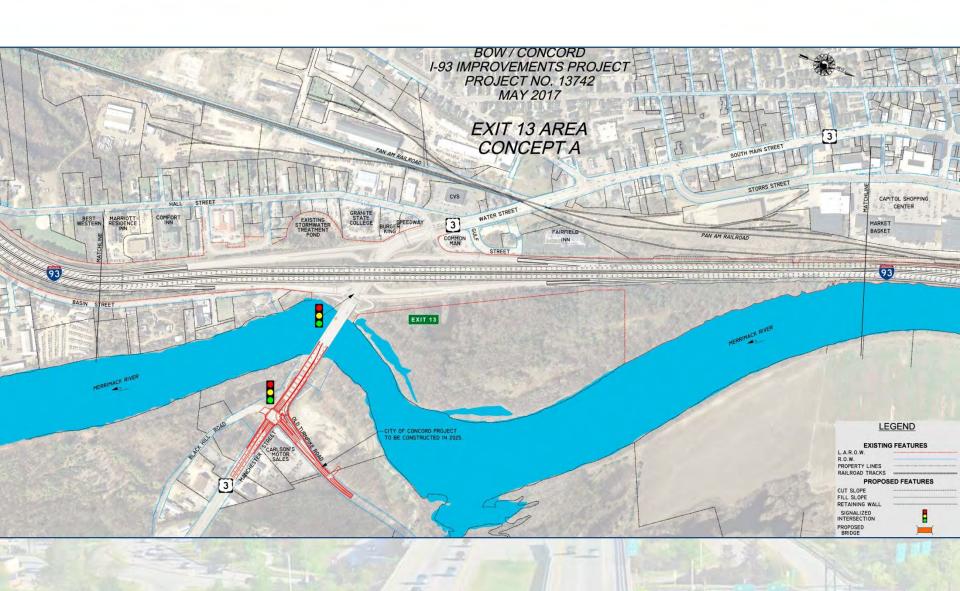






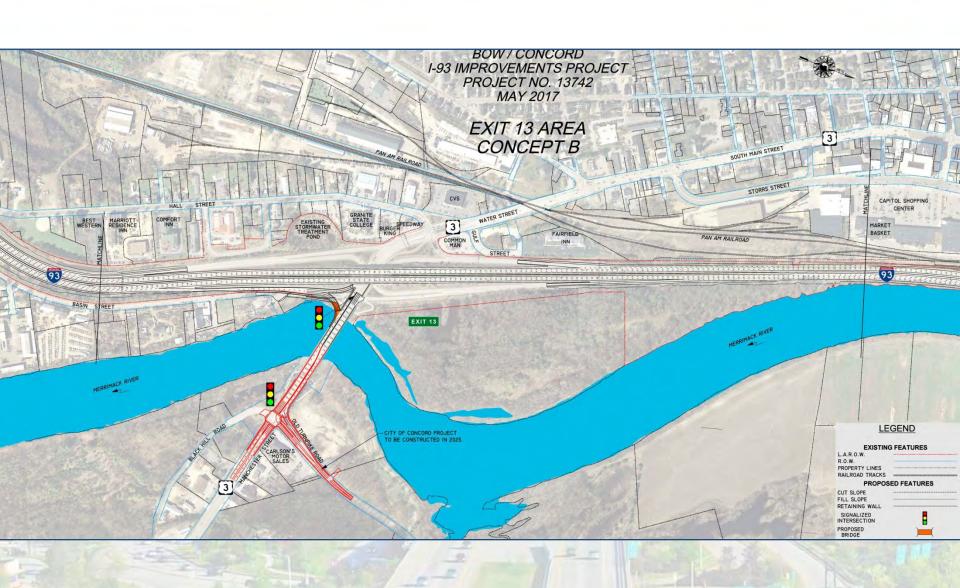














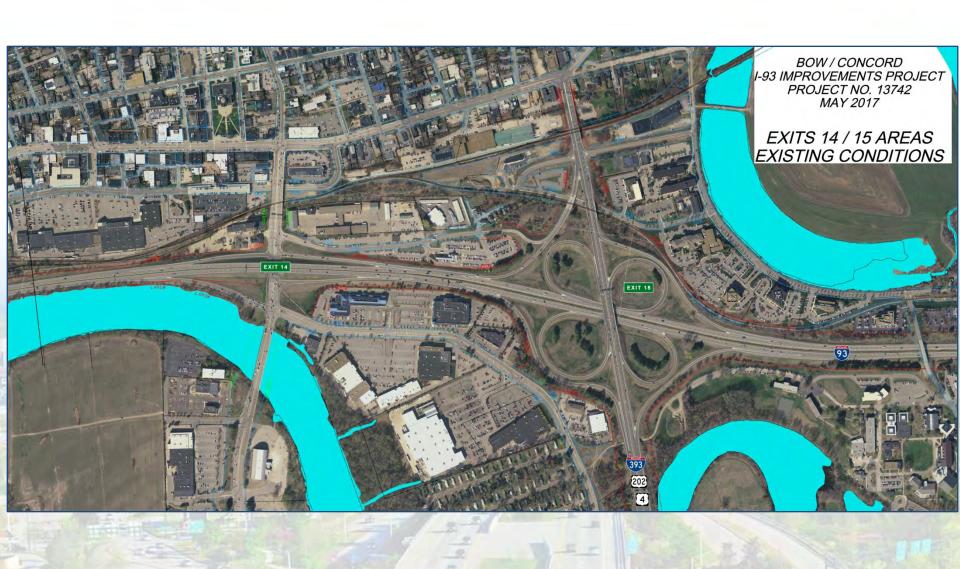


Exit 13 Comparison

CONSIDERATION	CONCEPT A	CONCEPT B	
Queuing on NB Exit Ramp	Onto I-93 by 2035	Acceptable	
Property Impacts	None	1 Private Parcel	
# Red List Bridges	1	1	
# New Bridges	0	0	
Project Cost	\$28.6 M	\$33.1 M	







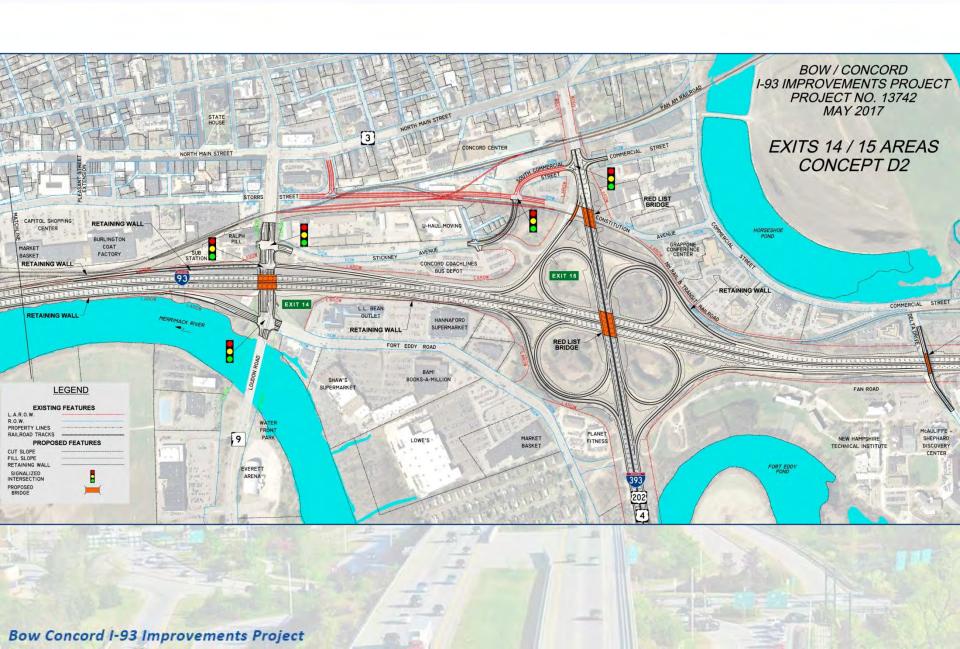








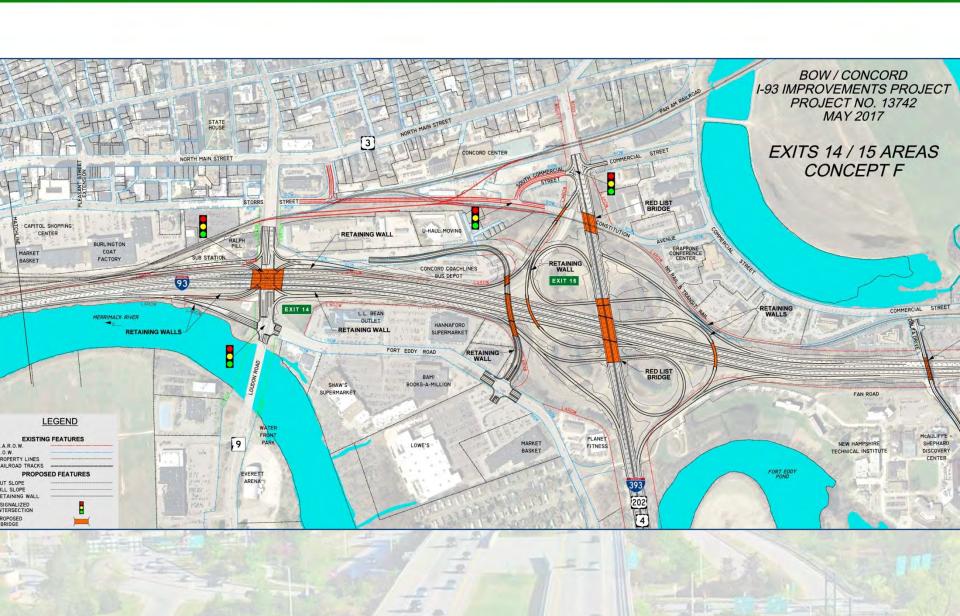






Bow Concord I-93 Improvements Project

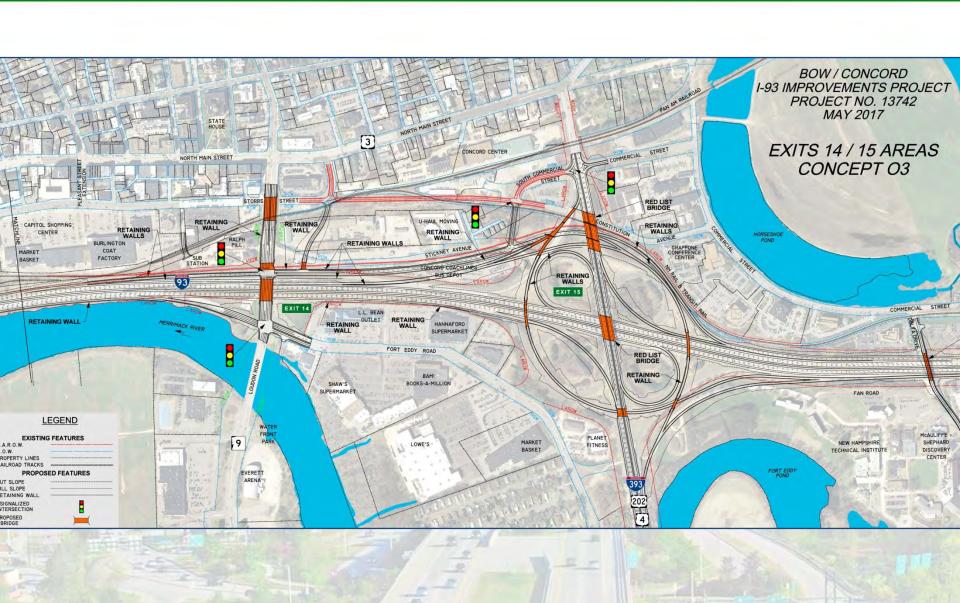






Bow Concord I-93 Improvements Project









Exit 14 / 15 Comparison

CONSIDERATION	CONCEPT D2	CONCEPT F	CONCEPT 03
Exit 14 to Exit 15 Weaves	Improved	C-D Roads	Eliminated
Exit 15 Weaves	Improved	Eliminated	Eliminated
NB Entrance Ramp at Exit 14	Eliminated	No Change	Eliminated
Property Impacts	Higgins Place	Ralph Pill Bldg., Unitil Sub Station, & Burlington	Higgins Place & Bus Station
# Red List Bridges	4	4	4
# New Bridges	0	3	6
Project Cost	\$86.5 M	\$186.2 M	\$163.2 M





Alternatives Development







Next Steps

- Determine Preferred Alternative
- Complete Environmental Document
- Conduct Public Hearing
- Finding of No Significant Impact (FONSI)
- Develop Corridor Plan
 - Blueprint for Corridor
 - Set Priorities







Questions & Answers

www.i93bowconcord.com

