



I-293 EXIT 6 & 7 (PART B)

Public Information #3

June 13, 2018

New Hampshire
DOT
Department of Transportation



I-293 EXITS 6 & 7 — PART B

(MANCHESTER #16099)

New Hampshire Department of
Transportation (NHDOT)

Project Team

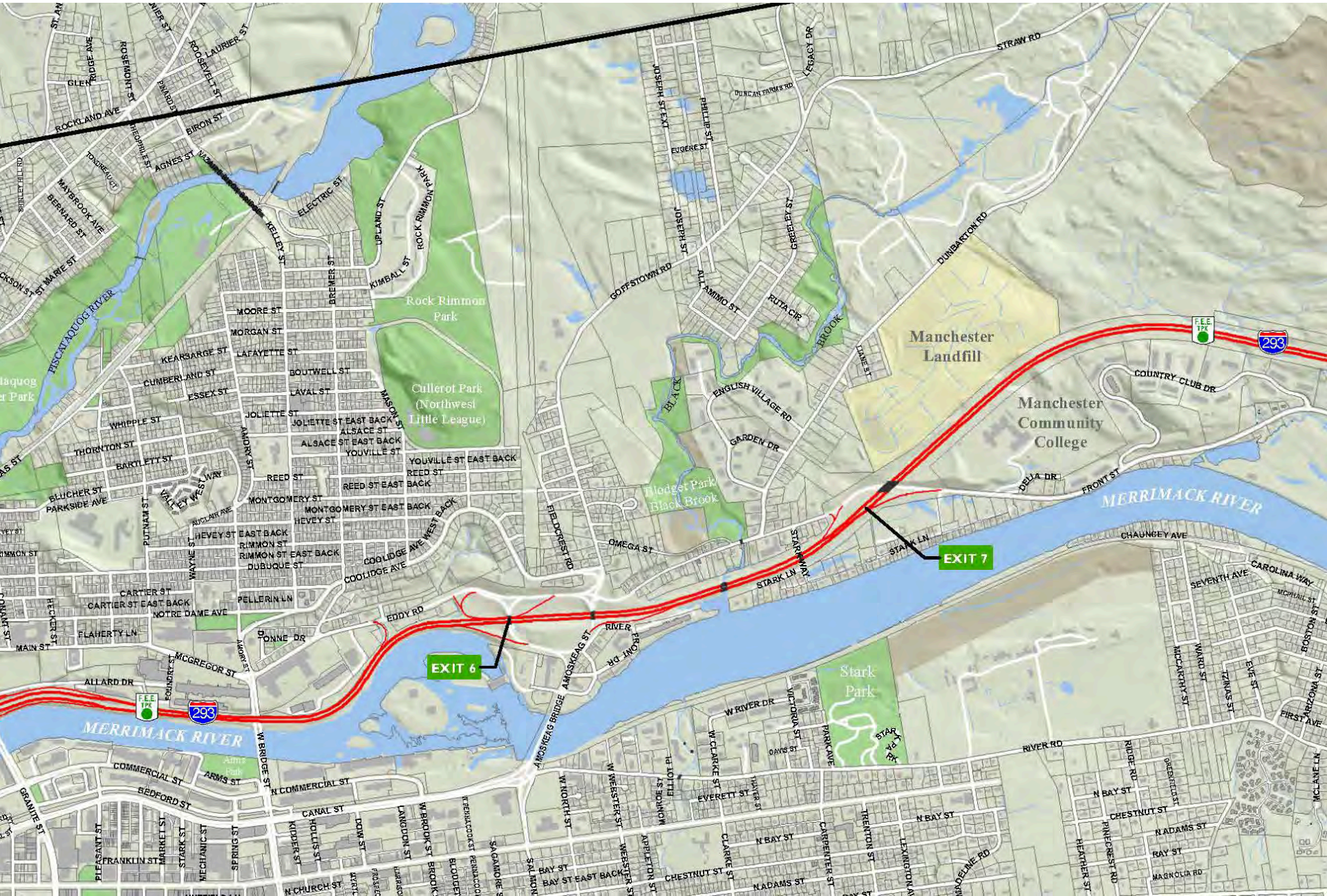
Vanasse Hangen Brustlin, Inc. (VHB)

Southern New Hampshire Planning Commission (SNHPC)

RKG Associates

Independent Archaeological Consulting, LLC (IAC)

Study Corridor



PROJECT PURPOSE

The purpose of the project is to address capacity, safety, and access related deficiencies along a 3.5-mile portion of I-293 beginning north of Exit 5 and ending north of Exit 7 by:

- Correcting geometric and safety deficiencies while reducing congestion at problem locations;
- Accommodating future traffic growth related to commuter trips and the transportation of commercial goods and services through the corridor; and
- Improving access to the highway consistent with the long-term vision of the communities of Manchester and Goffstown.

ADVISORY COMMITTEE

Committee Members

Bruce Thomas, Manchester Public Works
Melanie Sanuth, Manchester Economic Development
Keith Hirschmann Manchester Board of Alderman
Mark Lemay, Goffstown Board of Selectmen
Collis Adams, Goffstown Board of Selectmen
Adam Jacobs, Goffstown Town Administrator
Meghan Theriault, Goffstown Public Works
Mike Skelton, Greater Manchester Chamber of Commerce
Susan Huard, Manchester Community College
Jeff Nyhan, Manchester Community College
Nate Miller, Southern NH Planning Commission

Advisory Committee Meetings

Meeting # 1 – February 2016
Meeting # 2 – April 2016
Meeting # 3 – May 2016
Meeting # 4 – July 2016
Meeting # 5 – November 2016
Meeting # 6 – April 2017
Meeting # 7 – July 2017
Meeting # 8 – April 2018

PUBLIC OUTREACH



Public Meeting and Workshop

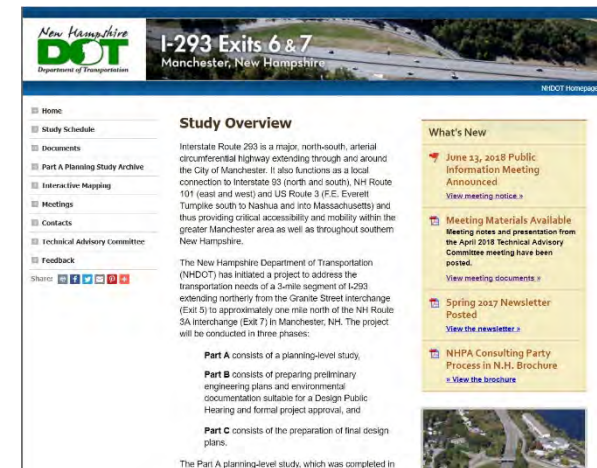


Public Input



Newsletters

Project Website



YOUR FEEDBACK

Project Website

www.293planningstudy.com

Comment Forms

I-293 Exits 6 & 7 Transportation Improvements Study Public Informational Meeting #3 June 13, 2017

Use this form to provide written comments or suggestions regarding the I-293 Exits 6 & 7 Transportation Improvements Study. You may also make verbal comments during the question and answer portion of the meeting. Please include your full name and address. This form can be returned to the study team this evening or can be mailed to:

Marty Kennedy, Project Manager
VHB
2 Bedford Farms Drive, Suite 200
Bedford, New Hampshire 03110
(603) 391-3900
E-mail: mkennedy@vhb.com

Please visit the project website at
www.293planningstudy.com

Please print clearly.

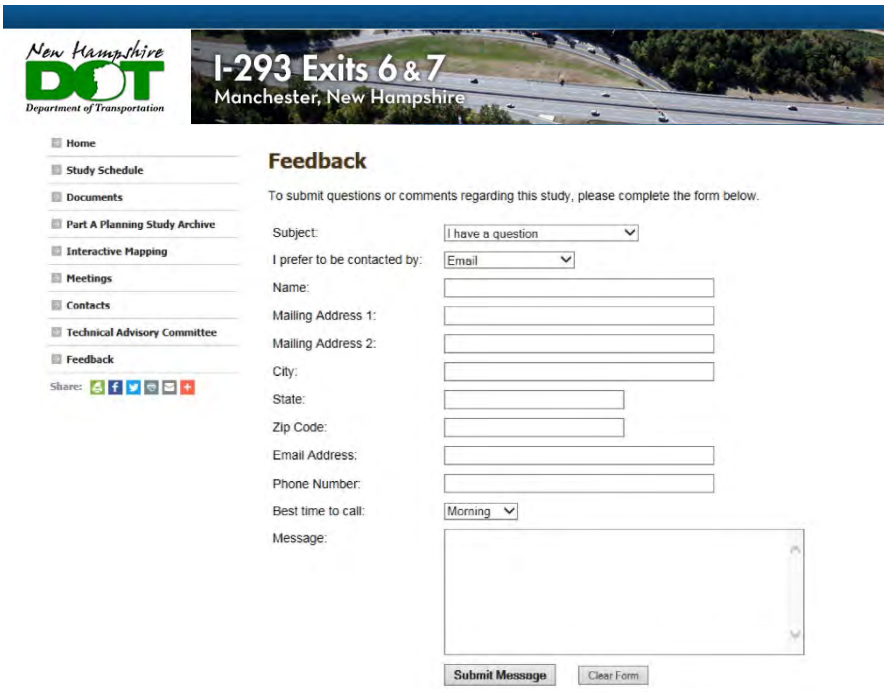
Name: _____ Date: _____

Address (Street, City, State) _____

E-mail: _____

Comment: _____

Additional Page(s) Included ☐ Yes ☐ No



The screenshot shows the project website header with the New Hampshire DOT logo and a banner for "I-293 Exits 6 & 7 Manchester, New Hampshire". On the left is a navigation menu with links: Home, Study Schedule, Documents, Part A Planning Study Archive, Interactive Mapping, Meetings, Contacts, Technical Advisory Committee, and Feedback. Below the menu are social media share icons. The main content area is titled "Feedback" and contains instructions: "To submit questions or comments regarding this study, please complete the form below." The form fields include: Subject (dropdown menu with "I have a question" selected), "I prefer to be contacted by:" (dropdown menu with "Email" selected), Name, Mailing Address 1, Mailing Address 2, City, State, Zip Code, Email Address, Phone Number, Best time to call (dropdown menu with "Morning" selected), and a large text area for the Message. At the bottom are "Submit Message" and "Clear Form" buttons.

NATIONAL HISTORIC PRESERVATION ACT

The project may have an effect on cultural or historic resources that are potentially eligible or listed on the National Register of Historic Places. Individuals or organizations with a demonstrated interest in the potential impact to historic resources have an opportunity to become Consulting Parties under Section 106 of the National Historic Preservation Act.

STUDY PHASES

Phase 1 (Spring/Summer 2016)
Data Collection/Problem Identification

Phase 2 (Fall 2016 - Spring 2018)
Develop, Evaluate, & Screen Alternatives

Proposed Action

Phase 3 (Summer/Fall 2018)
Environmental Documentation

Formal Public Hearing

EXIT 7

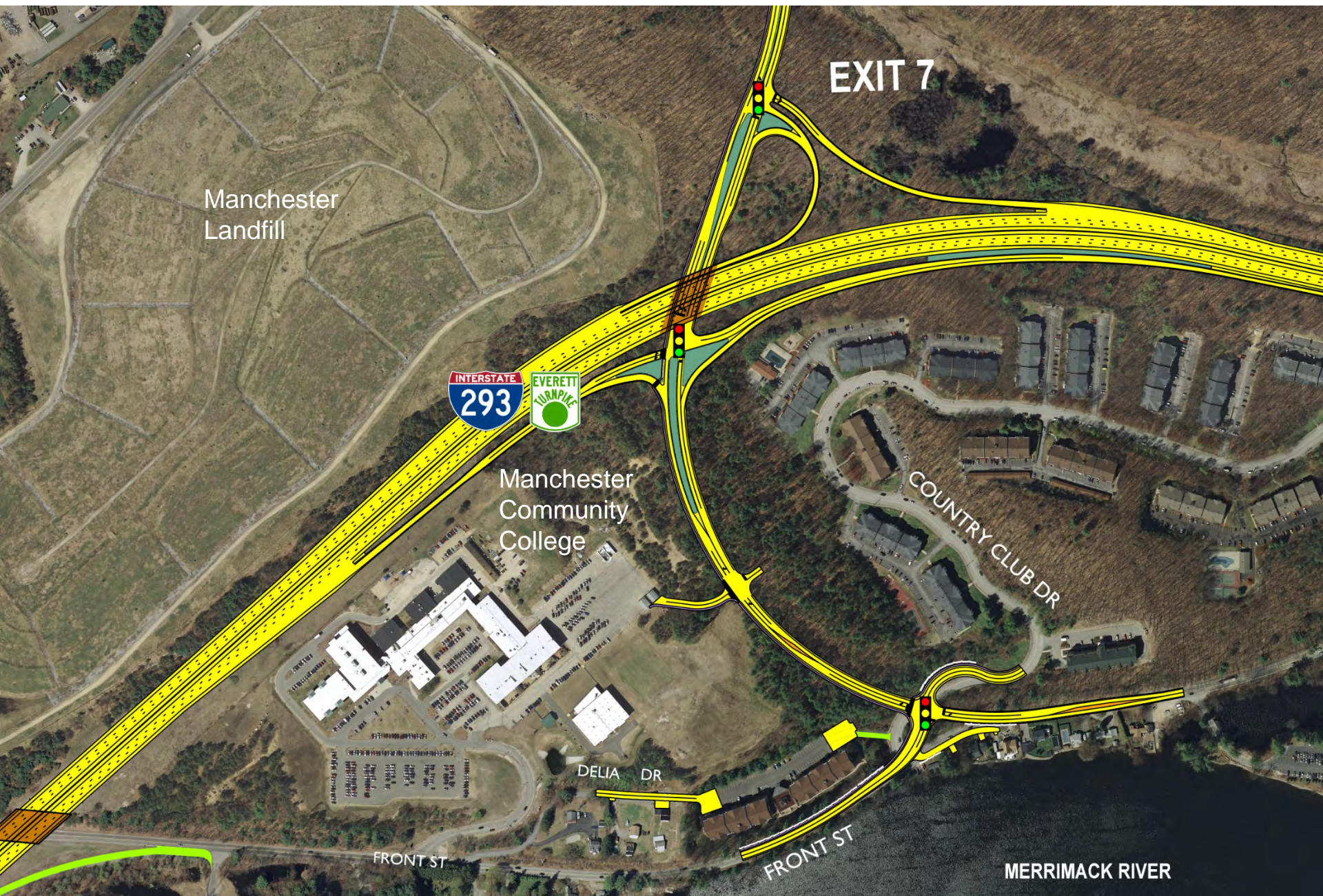
Exit 7 – Current Location



Exit 7 – Relocated Interchange



Exit 7 – Relocated Interchange



EXIT 6

Exit 6



EXIT 6 ALTERNATIVES



Offset Diamond

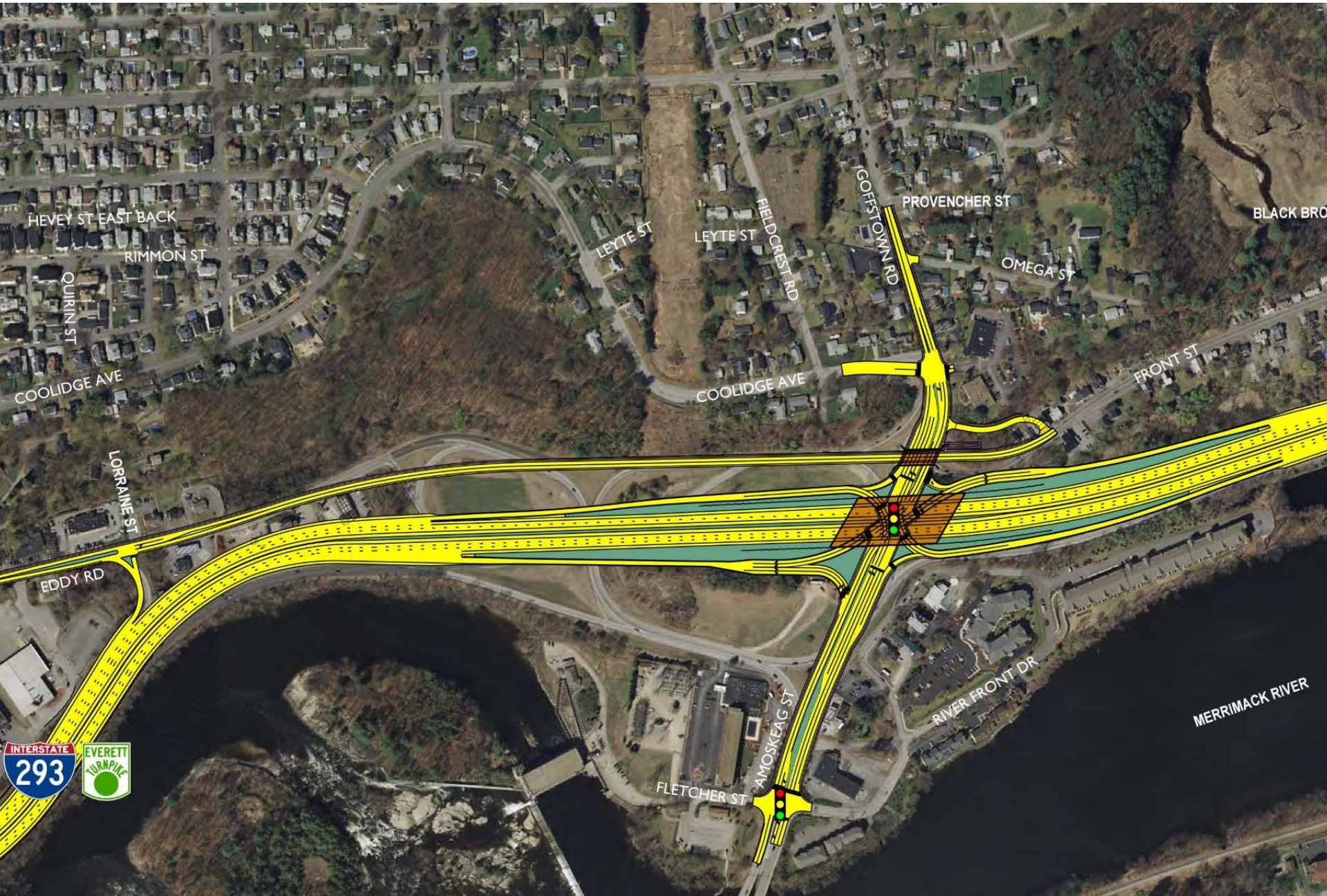


SPUI

Exit 6 – Offset Diamond Interchange

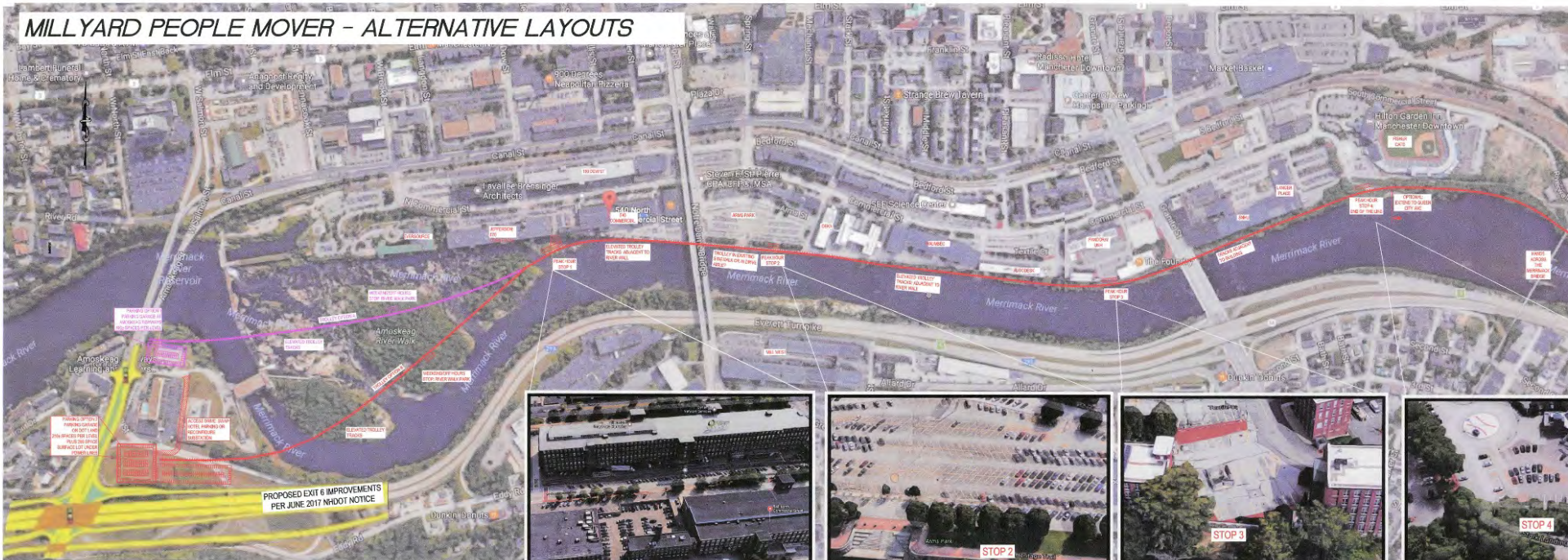


Exit 6 – SPUI



Exit 6 – Millyard People Mover

MILLYARD PEOPLE MOVER - ALTERNATIVE LAYOUTS



PARKING GARAGE OPTIONS

GENERAL NOTES:

- 1) THE PURPOSE OF THIS CONCEPT PLAN IS TO DESIGN A FEASIBILITY STUDY FOR THE CONSTRUCTION OF A PEOPLE MOVER FROM THE AMOSKEAG RIVER TO THE MILLYARD. ALL FEATURES SHOWN ARE CONCEPTUAL AND WILL BE SUBJECT TO FURTHER STUDY AND FEASIBILITY STUDIES.
- 2) CHALLENGES WILL BE OBTAINING LAND/RIGHTS OF WAY, PHYSICAL CONSTRUCTION (ELEVATION, BEING EXISTING INFRASTRUCTURE, BEING EXISTING DRIVEWAYS, CROSSING, CROSSING UNDER BRIDGE STREET, ETC.) AND ENVIRONMENTAL PERMITTING.
- 3) ASSES WHETHER PERMITTING FOR DISTURBANCES TO SHORELAND WILL BE DIFFICULT.

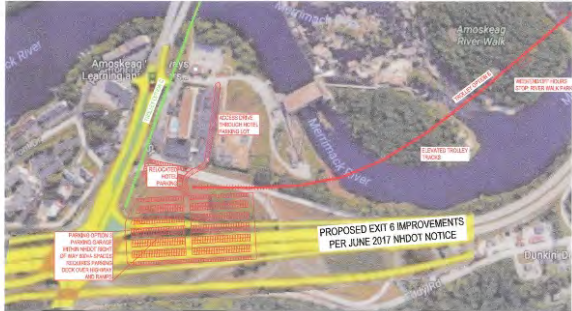
MILLYARD PARKING NOTES

- EXISTING MILLYARD PARKING
- TOTAL SPACES = 4,000 +/-
- TOTAL SQUARE FOOTAGE = 3,700,000 +/-

PEAK HOUR SCHEDULE (RIVERFRONT)		
	Arrive	Depart
Garage		800
Stop 1	800	805
Stop 2	804	805
Stop 3	806	808
Stop 4	809	811
Stop 1	812	813
Stop 2	814	816
Stop 1	817	818
Garage	819	821

Assumes 20mph average speed

Assumes 90 seconds at each stop

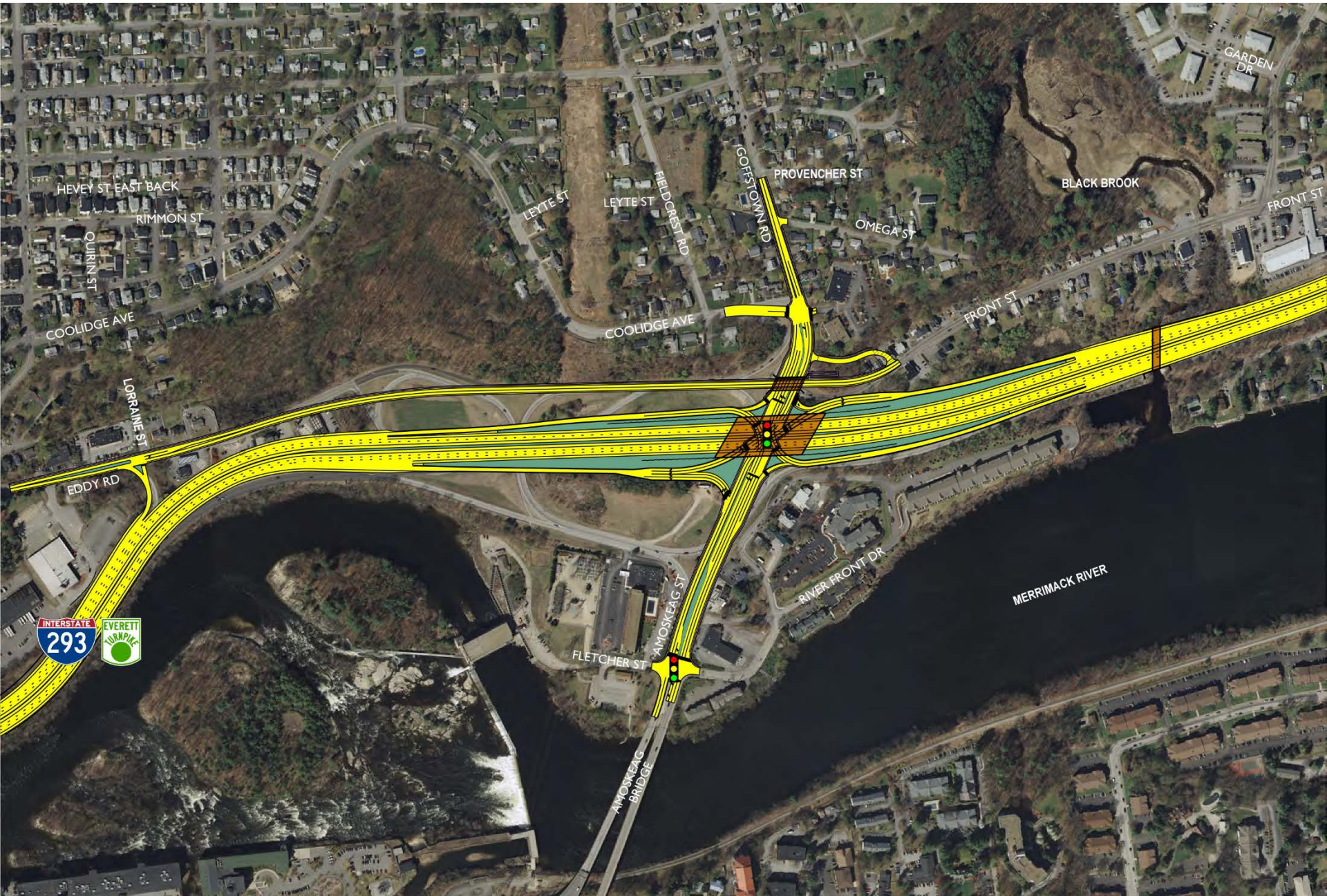


SURFACE PARKING/OVER HIGHWAY ALTERNATIVE

ALTERNATE CANAL STREET TROLLEY ROUTE



Exit 6 – SPUI



Exit 6 – SPUI

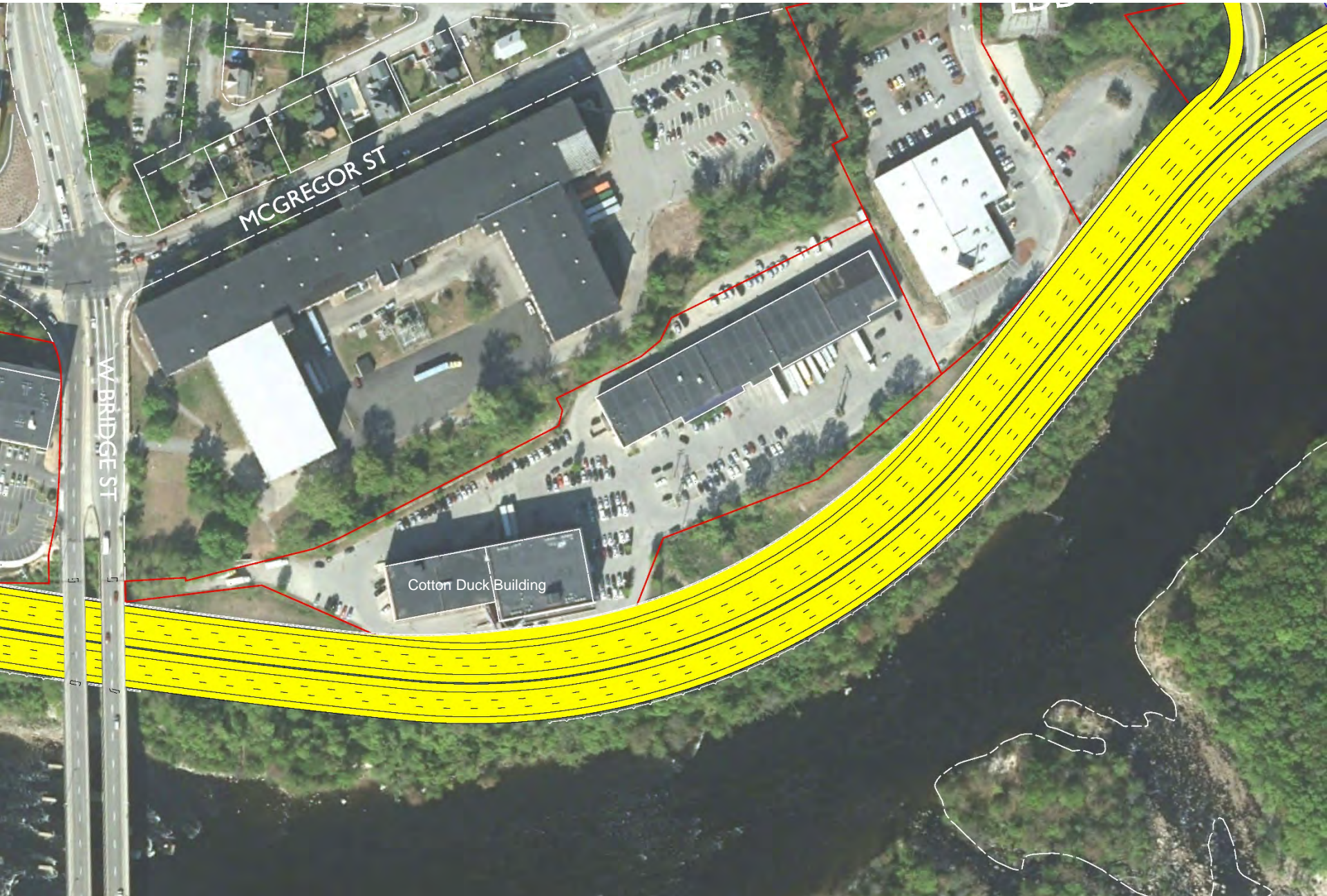


Exit 6 SPU and Relocated Exit 7



I-293 MAINLINE

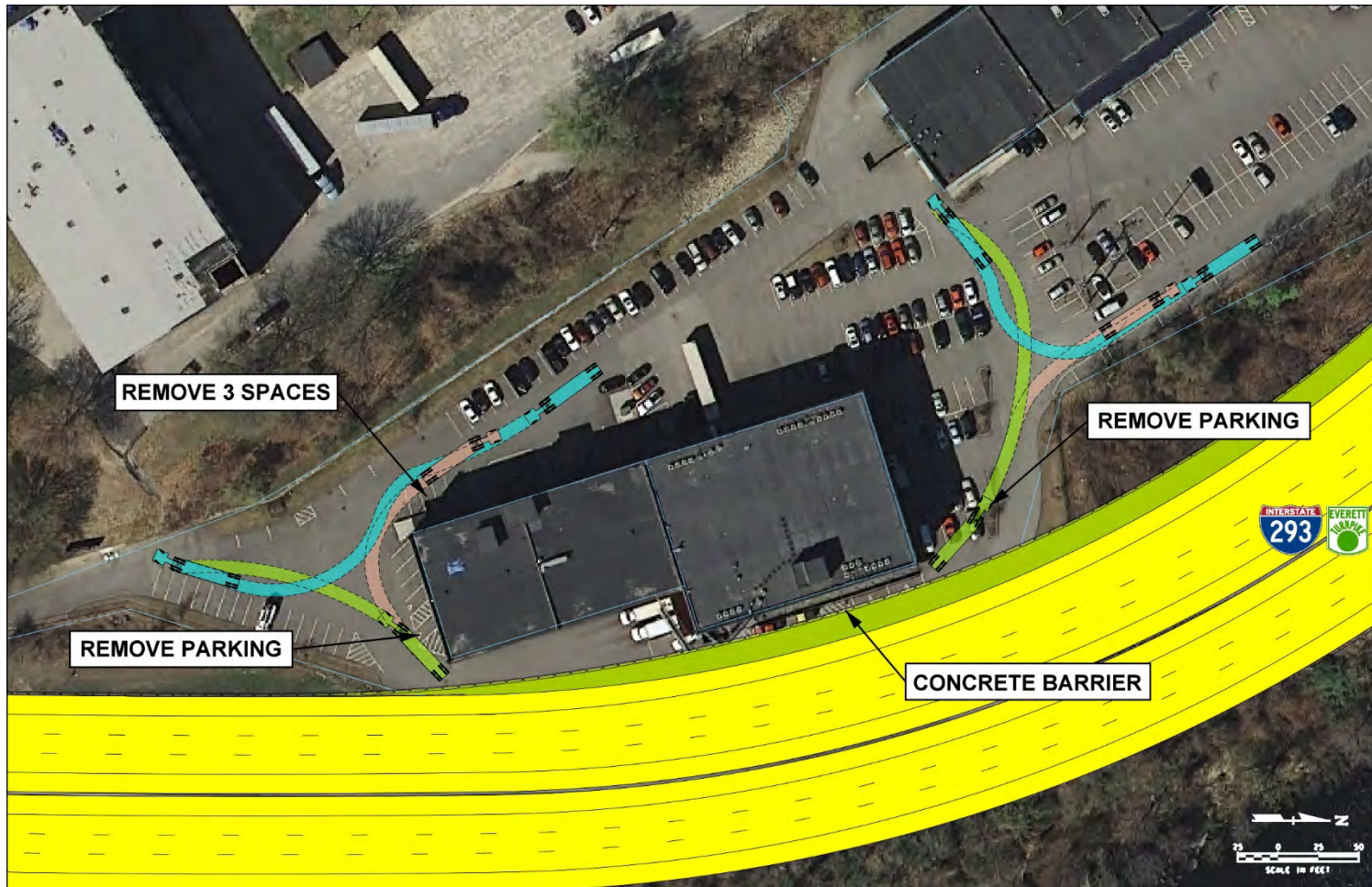
I-293 Mainline – Additional lane in each Direction



I-293 MAINLINE RESOURCE CONSTRAINTS



COTTON DUCK BUILDING — FIRE ACCESS



NOISE ASSESSMENT

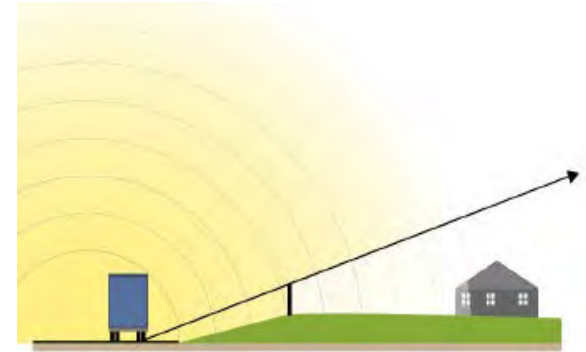
Highway Noise Assessment

- Highway noise has been measured and modeled with the Federal Highway Administration (FHWA) Traffic Noise Model (TNM)
- Noise levels for the proposed alternative and 2035 traffic volumes are evaluated according to FHWA Noise Abatement Criteria (NAC)
 - Noise-sensitive receptors include land uses with outdoor areas of frequent human use such as residences, schools, places of worship, recreation areas, and motels
- Noise abatement such as noise walls, alignment alterations, property acquisition for buffer zones, noise walls, or sound insulation improvements for public buildings are considered for receptors that exceed the NAC
 - Vegetation can provide aesthetic benefit, but are not acceptable abatement measures due to maintenance and acoustic effectiveness



Highway Noise Assessment

- Noise walls must be warranted, feasible and reasonable to be recommended for construction
 - Noise levels must approach or exceed the NAC
 - Safe and constructable
 - Cannot exceed 25 feet in height
 - Not affect utilities, wetlands, or historic properties
 - Provide at least 7 dBA noise reduction at least 1 benefited receptor with a noise reduction goal of 10 dBA at first row receptors
 - Cost-effective – the barrier area must be 1,500 square foot or less per benefited receptor



Noise Barriers Reduce Noise



Typical Highway Noise Barrier

- Noise walls that are found to be warranted, feasible, and reasonable during the environmental review phase are included as a commitment for the project subject to further evaluation and design during the final design process of the project

STUDY PHASES

Phase 1 (Spring/Summer 2016)
Data Collection/Problem Identification

Phase 2 (Fall 2016 - Spring 2018)
Develop, Evaluate, & Screen Alternatives

Proposed Action

Phase 3 (Summer/Fall 2018)
Environmental Documentation

Formal Public Hearing

YOUR THOUGHTS

Project Website

www.293planningstudy.com

Comment Forms

I-293 Exits 6 & 7 Transportation Improvements Study Public Informational Meeting #3 June 13, 2017

Use this form to provide written comments or suggestions regarding the I-293 Exits 6 & 7 Transportation Improvements Study. You may also make verbal comments during the question and answer portion of the meeting. Please include your full name and address. This form can be returned to the study team this evening or can be mailed to:

Marty Kennedy, Project Manager
VHB
2 Bedford Farms Drive, Suite 200
Bedford, New Hampshire 03110
(603) 391-3900
E-mail: mkennedy@vhb.com

Please visit the project website at
www.293planningstudy.com

Please print clearly.

Name: _____ Date: _____

Address (Street, City, State) _____

E-mail: _____

Comment: _____

Additional Page(s) Included ☐ Yes ☐ No

The screenshot shows the 'Feedback' section of the project website. It includes a sidebar with navigation links: Home, Study Schedule, Documents, Part A Planning Study Archive, Interactive Mapping, Meetings, Contacts, Technical Advisory Committee, and Feedback. Below the sidebar is a 'Share' section with social media icons. The main content area is titled 'Feedback' and contains a form for submitting questions or comments. The form includes fields for Subject (a dropdown menu with 'I have a question' selected), I prefer to be contacted by (a dropdown menu with 'Email' selected), Name, Mailing Address 1, Mailing Address 2, City, State, Zip Code, Email Address, Phone Number, Best time to call (a dropdown menu with 'Morning' selected), and a large text area for the Message. At the bottom of the form are 'Submit Message' and 'Clear Form' buttons.



I-293 EXIT 6 & 7 (PART B)

Public Information #3

June 13, 2018

New Hampshire
DOT
Department of Transportation

