



# I-293 EXIT 6 & 7 (PART B)

Technical Advisory Committee (TAC)  
February 10, 2016

New Hampshire  
**DOT**  
Department of Transportation



# I-293 EXITS 6 & 7 — PART B

(MANCHESTER #16099)

## New Hampshire Department of Transportation (NHDOT)

### **Study Team**

Vanasse Hangen Brustlin, Inc. (VHB)

Southern New Hampshire Planning Commission (SNHPC)

RKG Associates

Independent Archaeological Consulting, LLC (IAC)

ARCADIS

# TECHNICAL ADVISORY COMMITTEE

NHDOT

City of Manchester

FHWA

Town Goffstown

SNHPC

Town of Hooksett

Greater Manchester Chamber  
of Commerce

Manchester Community  
College

Hooksett Chamber of Commerce

Senator Boutin

# ROLE OF TAC MEMBERS

- TAC members are expected to represent and serve as a liaison to the community.
- The Committee serves in an advisory role and is not a decision-making body. However, as a group, you'll be asked to seek consensus.
- You're asked to work as team, respect all opinions and refrain from monopolizing the conversation.

# TAC MEETINGS

- Expect approximately nine TAC meetings
- We'll send out a notice of the meeting, agenda, and any review material by e-mail in advance of each meeting.
- Expect meetings to go two hours. We're going to start the meetings on time and we're going to end them on time.

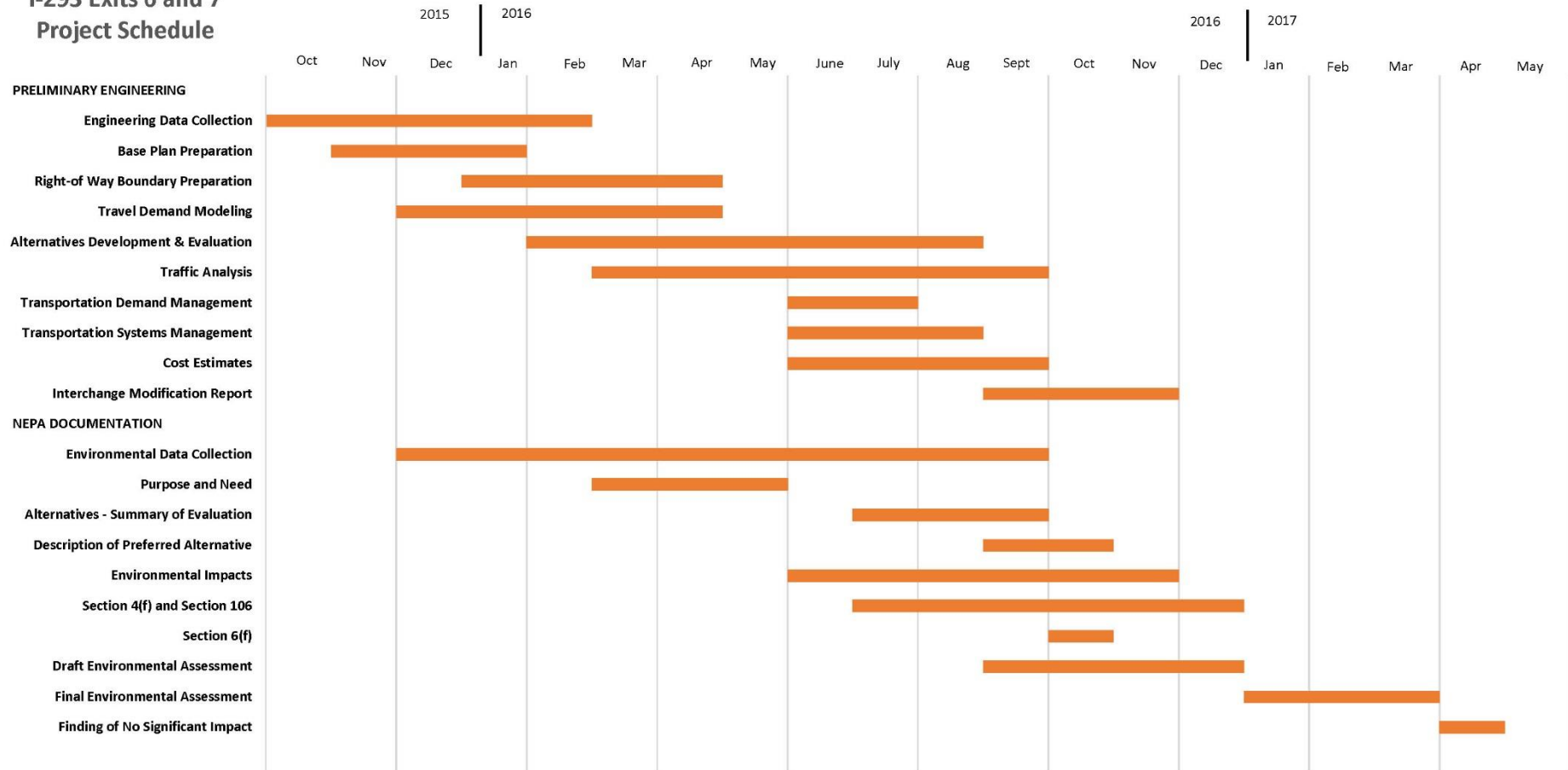
# PROJECT PROCESS

- Part A – Planning Study
- Part B – Preliminary Engineering and Environmental Documentation
- Part C – Final Design and Construction

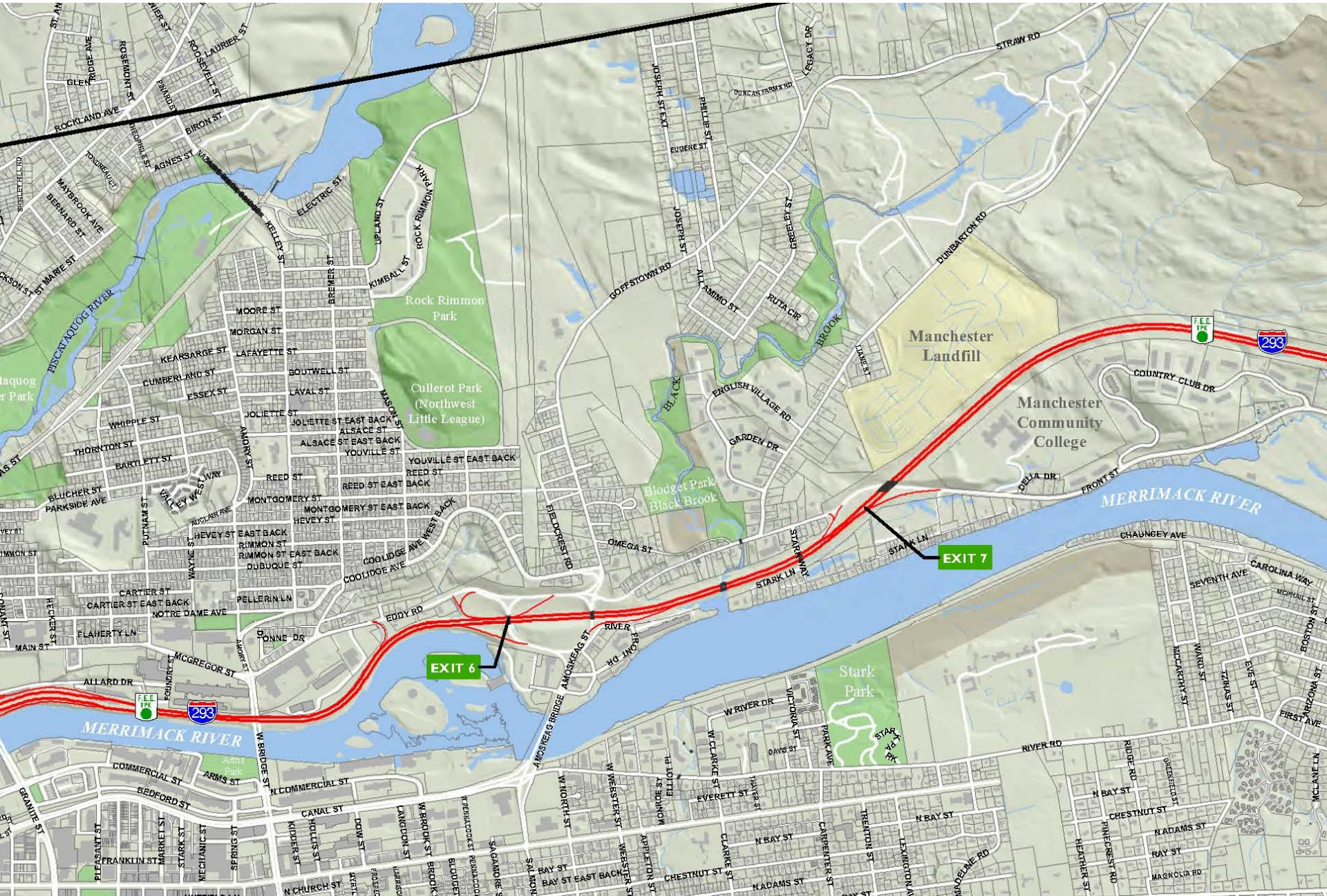
Completed

Underway

## I-293 Exits 6 and 7 Project Schedule

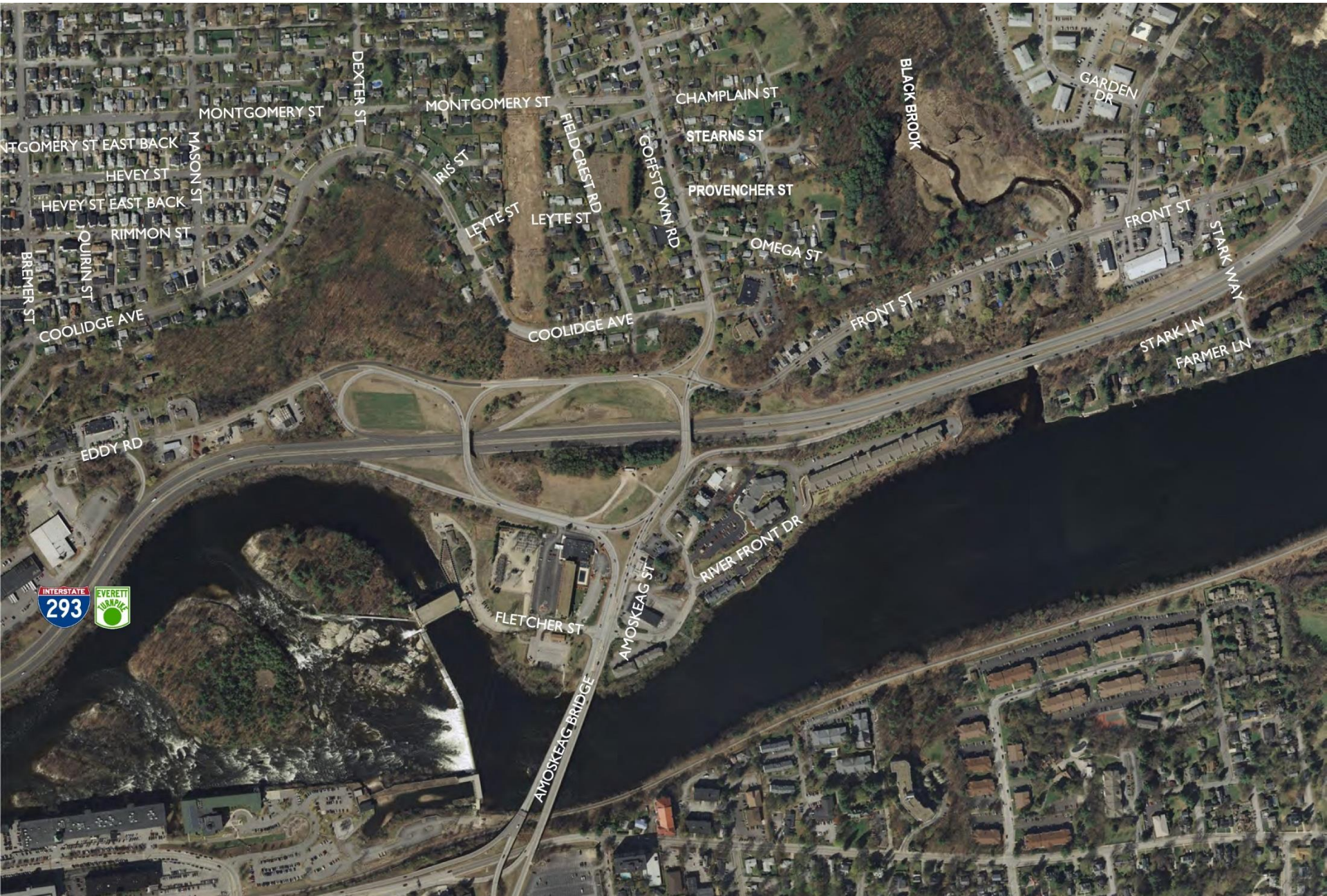


# Study Corridor

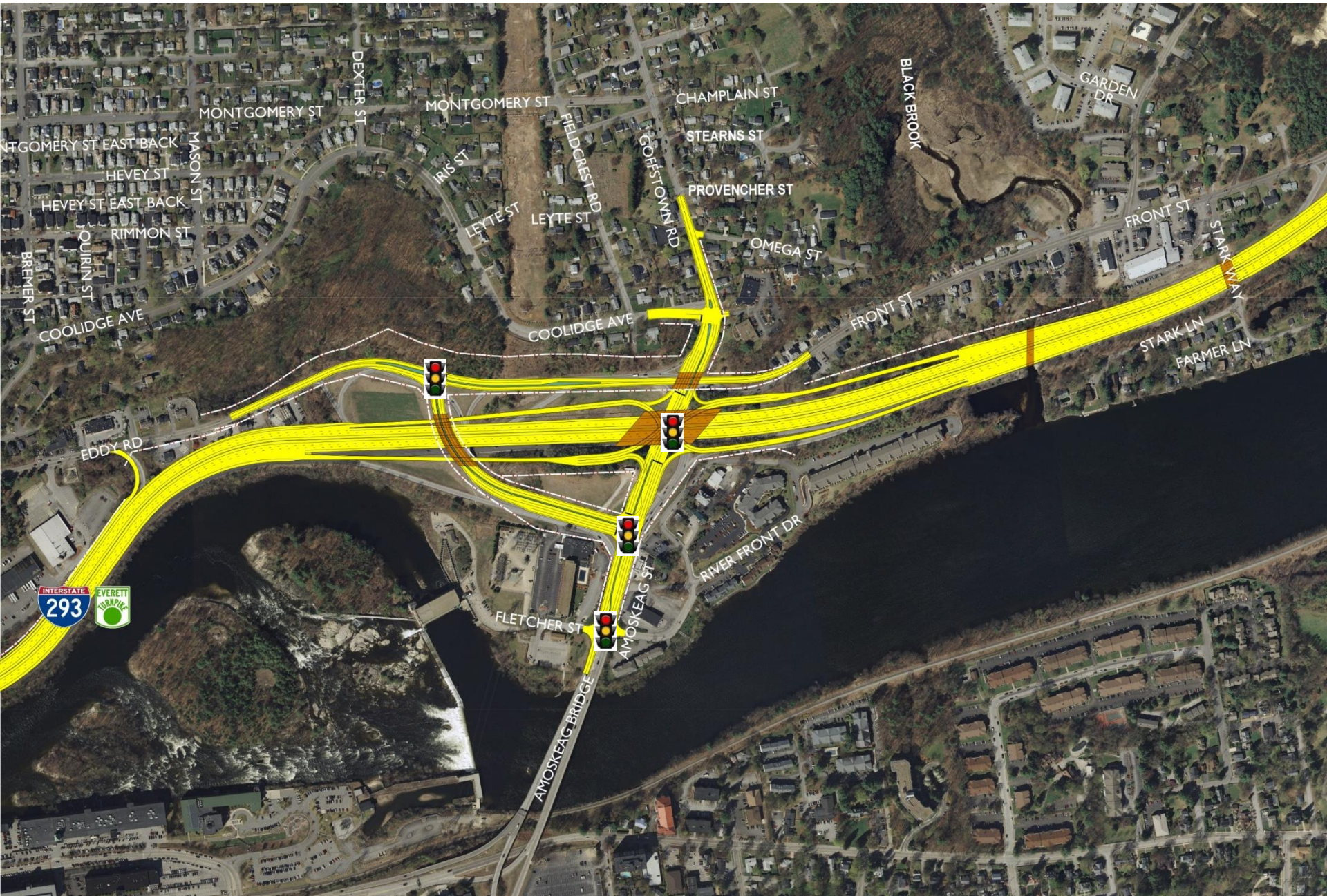


# PLANNING STUDY RECAP

# Exit 6



# Exit 6 – Single Point Urban Interchange (SPUI)



# Exit 6 – Diamond Interchange



# Exit 6 – Diverging Diamond Interchange (DDI)



# Exit 6 – Diamond Interchange with Roundabouts



# Exit 6 – Offset Diamond Interchange



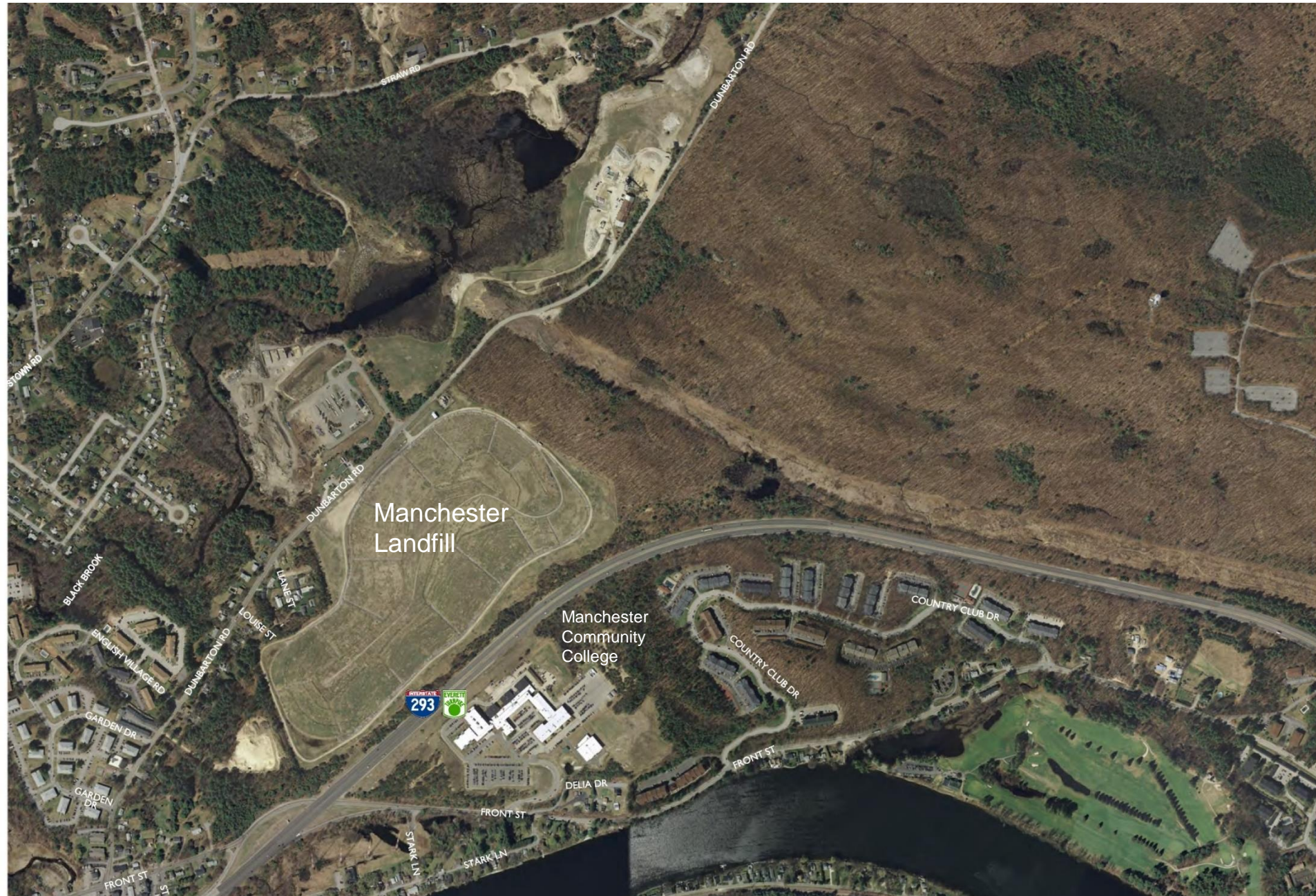
# Exit 7 – Current Location



# Exit 7 – Diamond Interchange (Current Location)



# Exit 7 – Potential New Location for Interchange



# Exit 7 – Potential New Location for Interchange



# Exit 7-Current Northerly Alignment



# PUBLIC OUTREACH

Key to the success of the project will be to provide an open and consensus driven public participation process.

- TAC Meetings
- Public Informational Meetings
- Public Officials Meetings
- Newsletters
- Project Website

# NEWSLETTERS

## I-293 Transportation Planning Study

EXITS 6 & 7

Manchester #16099



### Study Purpose

The New Hampshire Department of Transportation (NHDOT) has retained a Study Team led by Vanasse Hangen Brustlin, Inc. (VHB) for the purpose of conducting a transportation planning study. The Study is aimed at addressing capacity and safety related deficiencies along I-293 and at the Exit 6 and 7 interchanges. The Planning Study (Part A) is the first part of a three part process. The Planning Study will be followed by Preliminary Engineering and Environmental Documentation (Part B) and Final Design Plans (Part C) and ultimate construction.

The purpose of the Planning Study (Part A) is to evaluate potential broad, transportation system changes and establish a range of practicable alternatives for further development and more detailed evaluation under Part B.

The study involves an extensive public outreach effort including working closely with a Technical Advisory Committee and soliciting input through a series of public meetings and workshops. Additionally, a study website ([www.293planningstudy.com](http://www.293planningstudy.com)) provides the public with an opportunity to review study documents, presentations, and meeting notes. Most importantly a feedback page where the public can submit questions and comments is provided.

### Public Input

At a September 18, 2012 public workshop, attendees were asked to help define the study corridor Problems, Issues and Constraints, and Potential Solutions. This input combined with feedback received through the study website and input from local community officials helped define the corridor deficiencies.

In addition, the development of conceptual alternatives requires an understanding of the environmental, socio-economic, cultural, topographical and basic engineering constraints along the corridor.

Base mapping was prepared depicting the existing topography, infrastructure, roadways, homes and business, rivers, ponds and streams, within the study area.

### Conceptual Alternatives

A range of alternatives aimed at addressing the safety and mobility needs of the study corridor are being evaluated. The alternatives include various upgrades to the I-293 mainline and to the Exit 6 and 7 interchanges. The evaluation also considers a No Build alternative, which serves as the basis for comparison to the range of alternatives.

In addition to the upgrade alternatives, Transportation System Management (TSM) and Transportation Demand Management (TDM) strategies are also being considered. TSM strategies are low cost, easy to implement actions aimed at optimizing the performance of the existing transportation system. Examples include traffic signal coordination, access management, and incident management. TDM refers to strategies or policies aimed at reducing travel demand. Examples include carpool programs, increased transit use, and alternative work scheduling.

This newsletter describes the various mainline and interchange alternatives.

#### I-293 Mainline

The three-mile mainline study corridor begins just north of Exit 5 (Granite Street) and extends northerly through Exit 6 (Amoskeag Street) and Exit 7 (Front Street) for approximately one mile where alternatives for a new fully directional interchange replacing the existing Exit 7 are being examined. Options to address the capacity and safety deficiencies along the mainline include:

- maintain the current two lanes in each direction while upgrading only the interchanges, or
- widen I-293 to provide three lanes in each direction in combination with various interchange upgrades.

#### Exit 6 Interchange

Some of the existing problems at Exit 6 include:

- congestion and weaving at the Amoskeag Circle,
- queuing from the northbound exit-ramp back onto the I-293 mainline,
- the weaving condition at the southbound entrance and exit ramps, and
- limited acceleration length at all entrance ramps.



May 2013 1

May 2013 2

May 2013 3

May 11, 2013

pm  
Manchester Community College  
Room 126  
1066 Front Street  
Manchester, NH

If you have questions or comments regarding the conceptual plans depicted or the study in general please visit [www.293planningstudy.com](http://www.293planningstudy.com) and click on the Public Feedback Link. You may also contact the following individuals:

#### NHDOT

Kath Cota, P.E.  
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#### Consultant

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# PROJECT WEBSITE

WWW.293PLANNINGSTUDY.COM



## I-293 Planning Study

Manchester, New Hampshire

EXITS 6 - 7

NHDOT Homepage

Home

Study Schedule

Documents

Interactive Mapping

Meetings

Contacts

Technical Advisory Committee

Feedback

Share:       

## Study Overview

Interstate Route 293 is a major, north-south, arterial circumferential highway extending through and around the City of Manchester. It also functions as a local connection to Interstate 93 (north and south), NH Route 101 (east and west) and US Route 3 (F.E. Everett Turnpike south to Nashua and into Massachusetts) and thus providing critical accessibility and mobility within the greater Manchester area as well as throughout southern New Hampshire.

The New Hampshire Department of Transportation (NHDOT) has initiated a project to address the transportation needs of a 3-mile segment of I-293 extending northerly from the Granite Street interchange (Exit 5) to approximately one mile north of the NH Route 3A interchange (Exit 7) in Manchester, NH. The project will be conducted in three phases:

**Part A** consists of a planning-level study,

**Part B** consists of preparing preliminary engineering plans and environmental documentation suitable for a Design Public Hearing and formal project approval, and

**Part C** consists of the preparation of final design plans.

## What's New

### Final Report Posted!

 [View the Final Report documents »](#)

### Final Public Informational Meeting Announced!

Wed., December 11th at 7:00 pm

Manchester City Hall

Aldermanic Chamber 3rd Floor

One City Hall Plaza, Manchester, NH



# QUESTIONS/COMMENTS?

NH DOT Contact		Consultant Contact
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Chief Project Manager		Senior Principal
Bureau of Highway Design		VHB
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