I-293 EXIT 6 & 7 (PART B)

Public Informational Meeting August 10, 2016







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) ARCADIS



TECHNICAL ADVISORY COMMITTEE

NHDOT

FHWA

SNHPC

City of Manchester

Town of Goffstown

Town of Hooksett

Greater Manchester Chamber Commerce

Hooksett Chamber of Commerce

Manchester Community College

State Senator Boutin



PROJECT PROCESS





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.



PLANNING STUDY FINDINGS

- There are substantial problems that need to be addressed.
- There are a reasonable range of alternatives to address the problems.
- TDM and TSM actions, alone, won't meet the study need.



PLANNING STUDY FINDINGS (CONTINUED)

- I-293 mainline, between Exits 5 and 7 will need 3 lanes per direction.
- I-293 mainline, through and north of Exit 7, could be retained at 2 lanes per direction.
- Each of the Exit 6 alternatives, with the exception of the Diamond Interchange with Roundabouts, operates acceptably and meets the study purpose.



PLANNING STUDY FINDINGS (CONTINUED)

- Reconfiguring Exit 7 at its existing location could be problematic given the proximity to Exit 6.
- Relocating Exit 7 to the north will meet the capacity and safety study purposes and support connectivity to important future economic development areas in Manchester and Goffstown.



DATA COLLECTION



EXISTING WEEKDAY AM PEAK HOUR





EXISTING WEEKDAY PM PEAK HOUR





I-293 MONTHLY VOLUMES

2015 AT BEDFORD TOLLS - AVERAGE WEEKDAY





I-293 DAILY VOLUMES

70000





I-293 DAILY VOLUMES (NORTHBOUND)

JUNE 2015 AT BEDFORD TOLLS





I-293 DAILY VOLUMES (SOUTHBOUND)

JUNE 2015 AT BEDFORD TOLLS

28000 27,178 27000 26,627 26,495 26,352 26000 25,309 25000 24,691 24000 23,679 23000 22000 21000 Sunday Monday Tuesday Wednesday Thursday Friday Saturday



I-293 HOURLY VOLUMES (SOUTHBOUND) BETWEEN EXITS 5 AND 6 TUESDAY AUGUST 18, 2015

3,500

2,975 3,000 2,453 2,500 2,358 2,243 1,945 1,934 2,000 1,604 1,604 1,411 1,399 1,500 1,208 1,123 1,038 1,000 857 608 430 500 384 265 129 136 63 12:00 1:00 PM PM 0 8:00 AM 1:00 AM 10:00 AM 17:00 AM 2:00 PM 3:00 PM 5:00 PM 8:00 PM 2:00 44 3:00 AM 5:00 AM 6:00 AM 9:00 AM 4:00 PM 6.00 PM 1:00 84 9:00 PM 10:00 PM 12:00 AM 1.00 AM 4:00 AM 17:00 PM



I-293 HOURLY VOLUMES (NORTHBOUND) BETWEEN EXITS 5 AND 6 TUESDAY AUGUST 18, 2015









CRASH SUMMARY (2012 – 2015)





EXISTING TRANSIT ROUTES





MANCHESTER'S BIKE MASTER PLAN





ENVIRONMENTAL RESOURCES



WETLAND RESOURCES





CULTURAL RESOURCES





FLOODPLAINS





FARMLAND SOILS





GROUNDWATER RESOURCES





WILDLIFE ACTION PLAN HABITATS





HAZARDOUS SITES





NOISE MONITORING LOCATIONS





OTHER ENVIRONMENTAL RESOURCES

Socio-Economic

Air Quality

Public Recreation and Conservation Lands

Visual Resources



ALTERNATIVES

Exit 6





Exit 6 – Single Point Urban Interchange (SPUI)





Exit 6 – Diamond Interchange





Exit 6 – Diverging Diamond Interchange (DDI)





Exit 6 – Diverging Diamond Interchange (DDI)





Exit 6 – Offset Diamond Interchange





Exit 7 – Current Location





Exit 7 – Diamond Interchange (Current Location)

























PRELIMINARY TRAFFIC MODEL RESULTS

PRELIMINARY TRAFFIC MODEL RESULTS DIVERSIONARY EFFECTS

What happens when we upgrade Exit 6?

- 1. Reduced Congestion and Delay
- 2. Diversion of traffic flow within west side neighborhood

Study Corridor

Study Corridor

PRELIMINARY TRAFFIC MODEL RESULTS DIVERSIONARY EFFECTS

What happens when we provide a full interchange at the existing Exit 7 location?

Exit 7 – Diamond Interchange (Current Location)

Study Corridor

PRELIMINARY TRAFFIC MODEL RESULTS DIVERSIONARY EFFECTS

What happens when we relocate Exit 7 to the north?

- 1. Improved access to Hackett Hill Master Plan Area
- 2. Reduction of traffic on Goffstown Road
 335 vph in AM (24%)
 260 vph in PM (18%)

PRELIMINARY TRAFFIC MODEL RESULTS DIVERSIONARY EFFECTS

What happens when we relocate Exit 7 to the north and provide a connection across the Black Brook?

- Improved access to Goffstown's industrial zoned land
- 2. Reduction of traffic on Goffstown Road
 435 vph in AM (31%)
 480 vph in PM (34%)

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

Improving I-293 Exits 6 and 7 Driving the Greater Manchester Area Forward

For residents and visitors, commuters and businesses, I-293 (FE Everett Turnpike) provides essential links to and around the Greater Manchester area. In order to help maintain safe and efficient travel along this important highway, the New Hampshire Department of Transportation (NHDOT) is leading an effort to improve capacity, safety, and access along a 3.5-mile segment of I-293 from north of Exit 5 (Granite Street) to Exit 7 (Front Street).

What will this project accomplish?

The effort to improve this portion of I-293 will address deficiencies in the safety and design of the highway, while reducing congestion. It will also help support the longterm vision of the surrounding communities, especially Manchester and Goffstown, by enhancing access to the highway-and by accommodating travel related to future growth along the corridor. The I-293 Exits 6 and 7 project will examine travel not just for automobiles, trucks, and buses-but also for pedestrians and bicyclists.

Who is involved?

Because of the importance of I-293 to the region, a collaborative approach is critical on this project. For this reason, the NHDO I, in partnership with the Federal Highway Administration (FHWA), is working closely with a consultant team, led by Bedford-based VHB, as well as the public and a Technical Advisory Committee (TAC). The TAC includes representatives from the communities of Manchester, Goffstown, and Hooksett; the Southern New Hampshire Planning Commission: the chambers of commerce for both Hooksett and Greater Manchester; and the Manchester Community College. Working together, the TAC plays an integral role in guiding the process and seeing that project goals are carried out.

Further Information

Catch up on progress made to date by reviewing the "Part A" planning study, past public meeting presentations, and more at: http://www.293planningstudy.com/planningstudydocuments.asp

Check who is on the TAC for your community here: http://www.293planningstudy.com/tac.asp

Make your voice heard by sharing feedback here: http://www.293planningstudy.com/feedback.asp

For more information about the FHWA's INVEST program, visit: https://www.sustainablehighways.org/

What's been done so far?

Improving this section of I-293 is a journey in itself. It involves a three-step process, as seen below. "Part A" of the project, completed in December 2013, involved identifying a range of options to address capacity and safety concerns at the interchanges for both Exit 6 and Exit 7. It also examined the possibility of relocating and reconfiguring the Exit 7 interchange.

Environmental Documentation, and Public Hearing (in progress, through May 2017)

Next Public Meeting

Learn more about the plans to improve I-293 along Exit 6 and Exit 7 by attending the open house and project presentation scheduled for:

Wednesday, August 10, 2016 6:00 pm Manchester Community College Auditorium Room 100 1066 Front St. Manchester, NH

What's happening now?

Currently, the team is working on "Part B" of this project. This phase involves refining options to improve this segment of I-293 and understanding the impact such changes may have on the natural environment and historical resources in the area. To help with this, the project team is making use of the FIIWA's Infrastructure Voluntary Evaluation Sustainability Tool (INVEST), a resource that helps transportation agencies like NHDOT incorporate responsibility toward environmental and cultural resources into the design, construction, and maintenance of their projects.

Using this information, as well as feedback from the TAC and public, the project team will then identify a proposed action and present the plan for approval at a public hearing.

How can I stay informed and participate?

Driving forward these improvements to I-293 is truly a team effort, and everyone's voice is important. You are encouraged to stay involved by:

- · Attending a public meeting, such as the one to be held on August 10, 2016
- · Visiting our website (www.293planningstudy.com) for more information
- · Providing your thoughts and suggestions through the "Feedback" link on the menu along the left side of the project website's homepage
- · Connecting with the following key project team members:
- · NHDOT: Keith Cota, PE
- 603.271.1615 or kcota@dot.state.nh.us
- · Consultant from VHB: Marty Kennedy, PE 603-391-3900 or mkennedy@vhb.com

SUMMER 2016

PROJECT WEBSITE www.293planningstudy.com

E Part A Planning Study Archive

III Technical Advisory Committee

Share: 🚹 😏 🐼 🔁 😰

III Home

Study Schedule

III Interactive Mapping

E Documents

III Meetings

Contacts

Feedback

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

What's New

Public Informational Meeting August 10, 2016, at 6:00 pm Manchester Community College Auditorium Room 100 1068 Front Steet, Manchester, NH

NHOOT Homesage

» View meeting notice

. View all meeting information

Summer 2016 Newsletter Posted <u>v View the newsletter</u>

QUESTIONS/COMMENTS?

NHDOT Contact	Consultant Contact
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