I - 293 Exits 6 and 7
Transportation Planning Study
(Manchester #16099)

Public Informational Meeting #1
July 18, 2012
I-293 Exits 6 and 7
Transportation Planning Study
(Manchester #16099)

New Hampshire Department of Transportation (NHDOT)

Study Team
Vanasse Hangen Brustlin, Inc (VHB)
Southern New Hampshire Planning Commission (SNHPC)
RKG Associates
Technical Advisory Committee

NHDOT
Town of Hooksett

FHWA
Greater Manchester Chamber of Commerce

SNHPC
Hooksett Chamber of Commerce

City of Manchester
Manchester Community College

Town of Goffstown
The Process

- Part A – Planning Study
- Part B – Environmental Documentation & Preliminary Engineering
- Part C – Final Design
You will leave tonight with:

- A clear understanding of the study and its purpose
- How the study will be accomplished
- And just as importantly, you’ll have an opportunity to share your thoughts with us
Planning Study Purpose

The Purpose of this Planning Study is to consider transportation system modifications aimed at addressing *capacity* and *safety* related deficiencies along the mainline and at the interchanges (Exits 6 and 7) for a 3-mile segment of I-293 including consideration of relocating and reconfiguring Exit 7 into a fully directional interchange.
Planning Study Purpose

The Planning Study will establish a range of practicable alternatives to be advanced to Part B for further development of preliminary engineering and formal environmental documentation and to assist the communities with long-range planning.
Planning Study Schedule

Phase 1 – (Spring/Summer 2012)
Data Collection/Problem Identification

Phase 2 – (Fall 2012)
Screening Criteria & Brainstorming Alternatives

Phase 3 – (Winter/Spring 2013)
Develop, Evaluate, & Screen Alternatives

Phase 4 – (Summer 2013)
Documentation
Public Outreach

Key to the success of the Planning Study will be an open and consensus-driven public participation process.

- Public Informational Meetings
- Technical Advisory Committee Meetings
- Local Officials Meetings
- Project Website
- Newsletters
- Press Releases
Data Collection Effort

- Traffic Volume Counts
- Design Hour Volume
- Traffic Model
- Crash Data
- Transit
- Environmental and Cultural Resources
I-293 Segment and Ramp Volumes
(Weekday PM Peak Hour)
2012 Weekday PM Peak Hour
I-293 Southbound Hourly Volumes
Wednesday June 6, 2012
I-293 Northbound Hourly Volumes

Wednesday June 6, 2012
I-293 Monthly Traffic Volumes
Design Hour Volume (DHV)
Design Hour Volume (DHV)
Traffic Model
Traffic Model

- SNHPC maintains and operates this regional transportation model including a socio-economic database and the updated 2010 Census data.

- Model is used to help us understand expected future traffic demand based on land use growth and anticipated roadway projects.

- Base model contains 290 internal traffic analysis zones (TAZs) and 67 external stations.

- Model calibrated to actual base year counts.
Traffic Model

Four Step Forecasting Process

- Trip Generation
- Trip Distribution
- Model Split
- Traffic Assignment
NHFG Wildlife Habitats
Cultural Resources
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 the Final Design Plans and contract documents.

What's New

- **The 1st Public Informational Meeting** will be held 7/18 @ 7:00PM
  Manchester Community College
  1006 Front Street, Manchester, NH
  Wednesday, July 18th at 7:00 PM
  [View the July 18 meeting notice](Adobe PDF, 0.1MB)
- **Meeting notes from the June 27th TAC meeting now available** (Adobe PDF, 1MB)
Interactive Mapping
Interactive Mapping
Interactive Mapping
NHDOT Contact

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Your thoughts, ideas, suggestions?

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