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

Public Informational Meeting # 3
December 12, 2012
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.
Technical Advisory Committee

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<tr>
<th>Organization</th>
<th>Group/Individual</th>
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<tr>
<td>NHDOT</td>
<td>Town of Hooksett</td>
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<tr>
<td>FHWA</td>
<td>Greater Manchester Chamber of Commerce</td>
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<td>SNHPC</td>
<td>Hooksett Chamber of Commerce</td>
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<tr>
<td>City of Manchester</td>
<td>Manchester Community College</td>
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<td>Town of Goffstown</td>
<td>State Senator Boutin</td>
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Project Website
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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
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

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Project Meetings To-Date

- June 27th Advisory Committee Meeting
- July 18th Initial Public Informational Meeting
- August 13th Advisory Committee Meeting
- September 18th Public Workshop
- September 26th Advisory Committee Meeting
- October 10th Hooksett Town Council
- December 4th Advisory Committee Meeting
- December 12th Public Informational Meeting
Public Workshop Input

• Problems
• Issues and Constraints
• Potential Solutions

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Problems (partial list of what we heard)

- Back-ups onto highway from Exit 6 NB off-ramp
- Poor sight lines approaching Exit 6
- High noise levels (The Pointe at Riverfront Condos & along Stark Lane)
- Proximity of Exit 6 SB on & off-ramps (weaving)
- Traffic congestion/delay at Amoskeag Circle
- Exit 7 off-ramp/Front St intersection
- Safety concerns the Community College driveway
- Truck traffic on Front St

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Constraints and Issues (partial list)

- Proximity of residential homes to the highway
- The Manchester Landfill
- Proximity of the Merrimack River
- Historic Mill District
- Challenging topography in the area where Exit 7 could be relocated
Solutions (partial list)

- Widening I-293 (To the east? To the west?)
- Address visibility issues at Exit 6
- Improve signage
- Various interchange reconfigurations
- Traffic control (signals, roundabouts, stop signs, etc.)
- Grade separation
- Noise barriers
- Pedestrian/Bicycle mobility
- Aesthetic enhancements

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Solutions (Alternatives)

Near-term Interim Actions

Long-term Alternatives

Mid-term Alternatives
Near-Term Actions

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Dynamic Message Signing
Types of Interchanges

- Tight Diamond Interchange
- Single Point Urban Interchange

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Types of Interchanges

- Roundabout Diamond Interchange
- Diverging Diamond Interchange

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Types of Interchanges

Single Loop Partial Cloverleaf Interchange

Partial Cloverleaf Interchange

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Diamond Interchange

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Single Point Urban Interchange (SPUI)
Cloverleaf Interchange
Diverging Diamond Interchange

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Diamond Interchange with Roundabouts

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Conceptual Alternatives

Plans show conceptual ideas. No determinations regarding property acquisition have been made.
Exit 6

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Plans show conceptual ideas. No determinations regarding property acquisition have been made.
Single Point Urban Interchange (SPUI)

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Mid-Term Option

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Mid-Term Option Transition to Long-Term Alternative Offset Diamond Interchange

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Exit 7
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Relocated Exit 7

Manchester Landfill

Manchester Community College
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Relocated Exit 7

Manchester Landfill

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I-293 Mainline
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Transportation Demand Management (TDM)

Carpool, Vanpool
Park ‘n’ Ride Facilities
Improved Bicycle Connectivity
Staggered Work Hour Programs
Local or Regional Transit
Land-use Planning – Mixed-use Development

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Recap

Near-term Interim Actions

Long-term Alternatives

Mid-term Alternatives
Near-term Interim Actions

Cut back highway brush

Dynamic message signing

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Long-term Alternatives

Exit 6
- SPUI
- Standard Diamond
- Diverging Diamond
- Diamond w/Roundabouts
- Offset Diamond

Exit 7
- Tight Diamond  (Existing Location)
- Single-Loop Partial Clover  (Relocated)
- Front St Connections
- Goffstown Rd Connection

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Mid-term Alternatives

Exit 6

- Eddy Rd Intersection
- Eddy Rd Intersection w/Flyover
- Eddy Rd Intersection w/Loop Ramp
- NB Off-Ramp Widening
- NB Off-Ramp Widening w/Signal

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Comments/Questions?

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