



I - 293 Exits 6 and 7 Transportation Planning Study

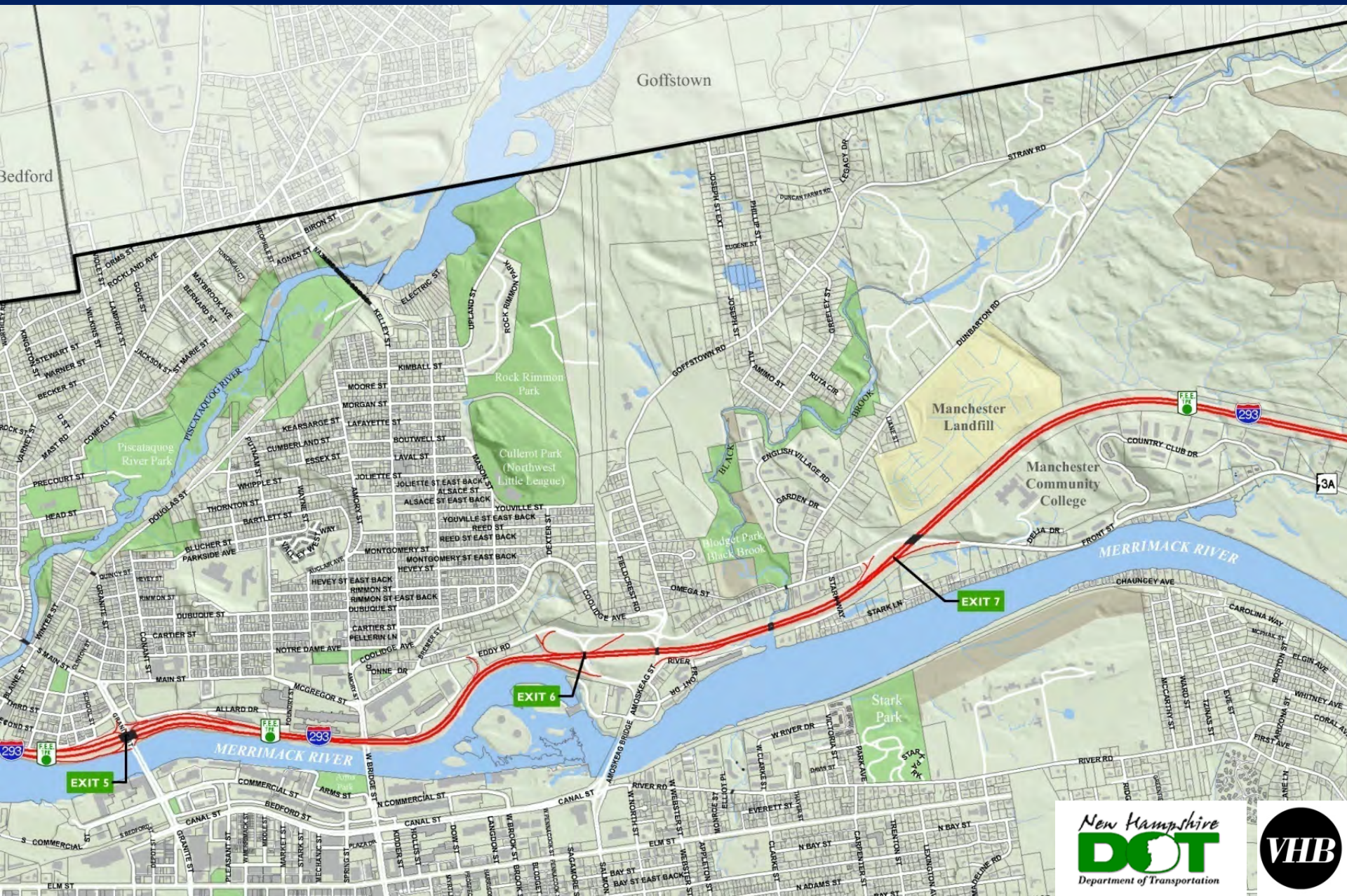
(Manchester #16099)

**Public Informational Meeting # 3
December 12, 2012**

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.

Study Corridor



Technical Advisory Committee

NHDOT

Town of Hooksett

FHWA

Greater Manchester
Chamber of Commerce

SNHPC

Hooksett Chamber of
Commerce

City of Manchester

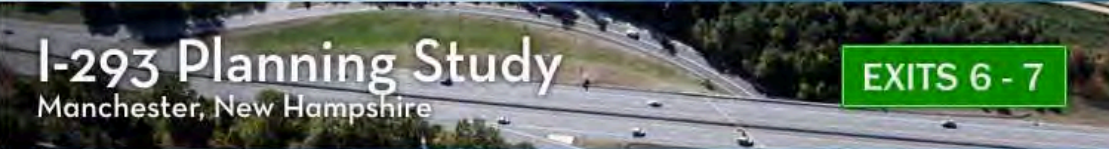

Manchester Community
College

Town of Goffstown

State Senator Boutin






Project Website

www.293planningstudy.com



NHDOT Homepage

- Home
- Study Schedule
- Documents
- Interactive Mapping
- Meetings
- Contacts
- Technical Advisory Committee
- Feedback

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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

What's New

 **Next Public Informational Meeting - December 12th**
Wednesday, December 12th at 7:00 pm
Manchester City Hall
Aldermanic Chambers (3rd floor)
1 City Hall Plaza, Manchester, NH



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

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

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

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

Solutions (Alternatives)

Near-term Interim Actions

Long-term Alternatives

Mid-term Alternatives

Near-Term Actions





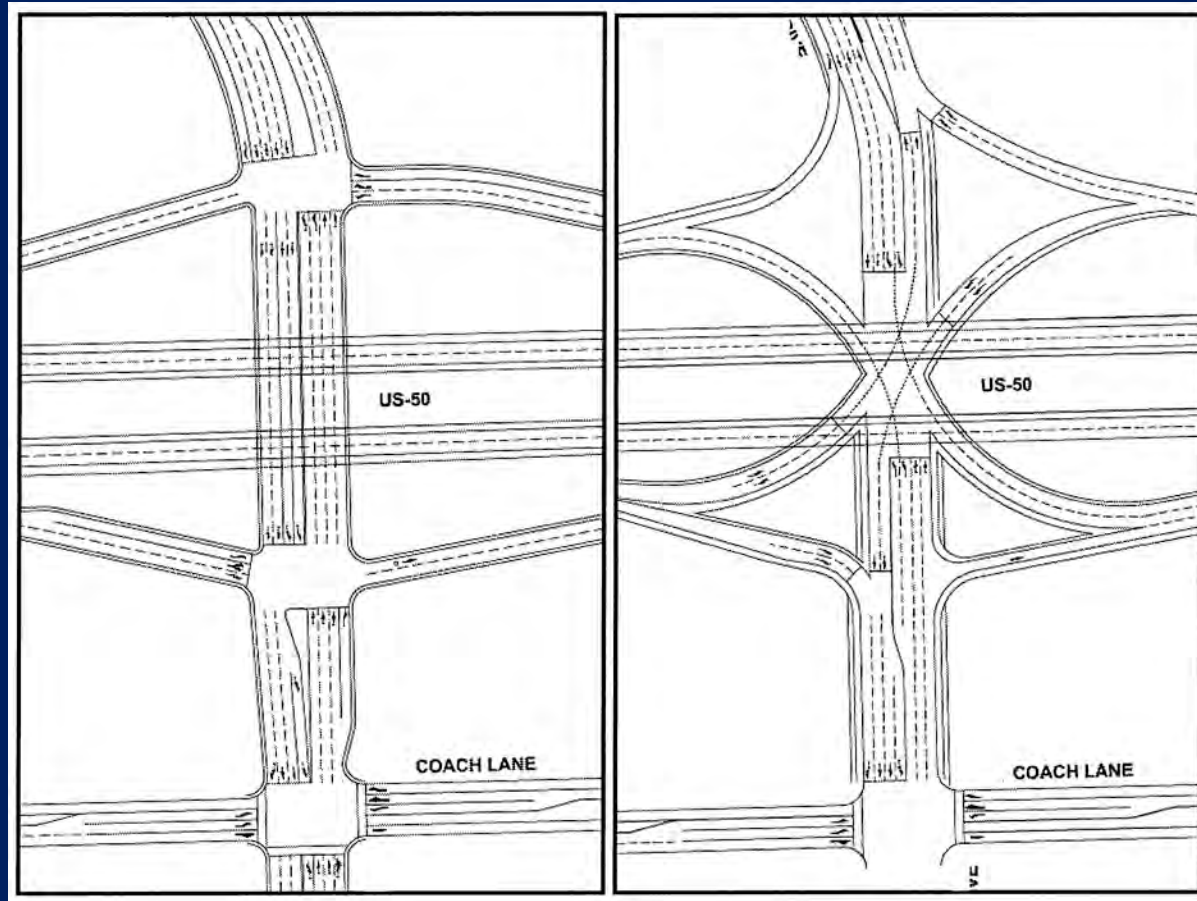




Dynamic Message Signing



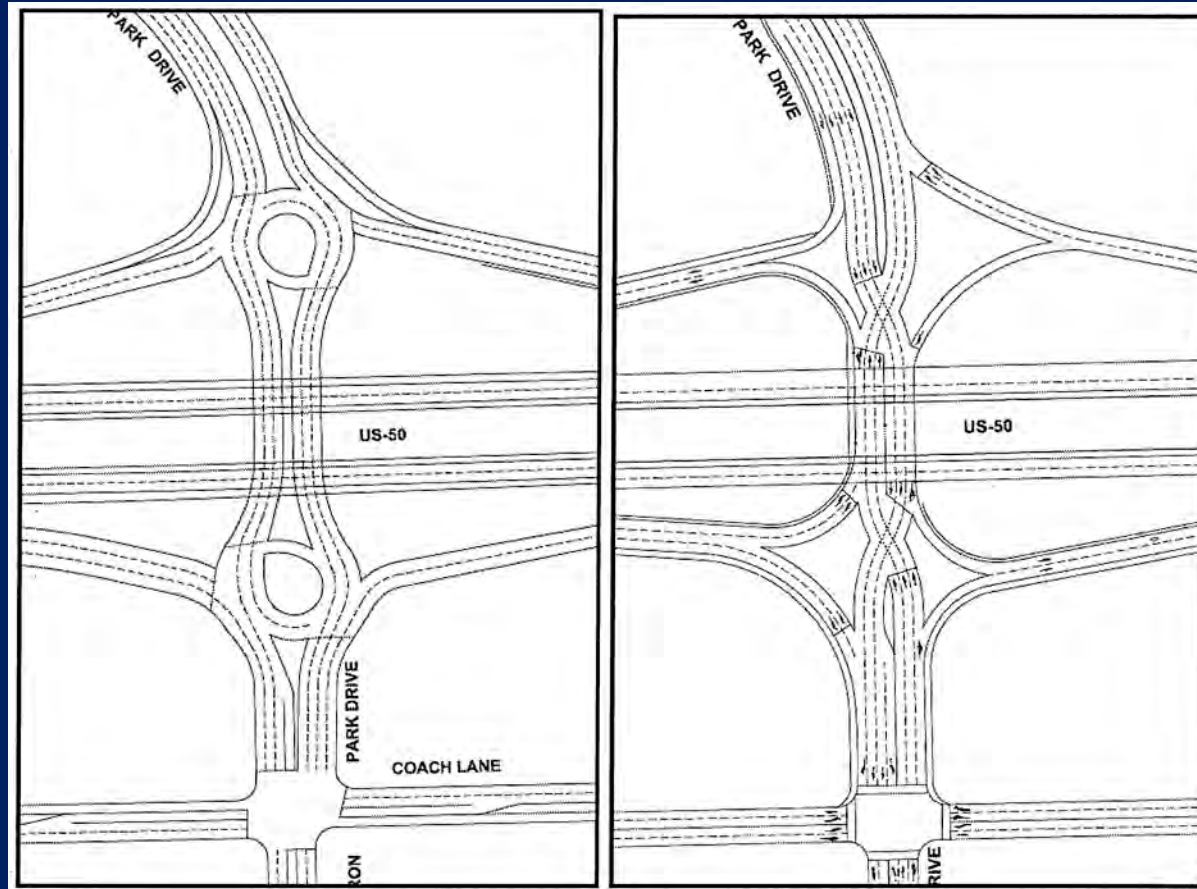
Types of Interchanges



Tight Diamond Interchange

Single Point Urban Interchange

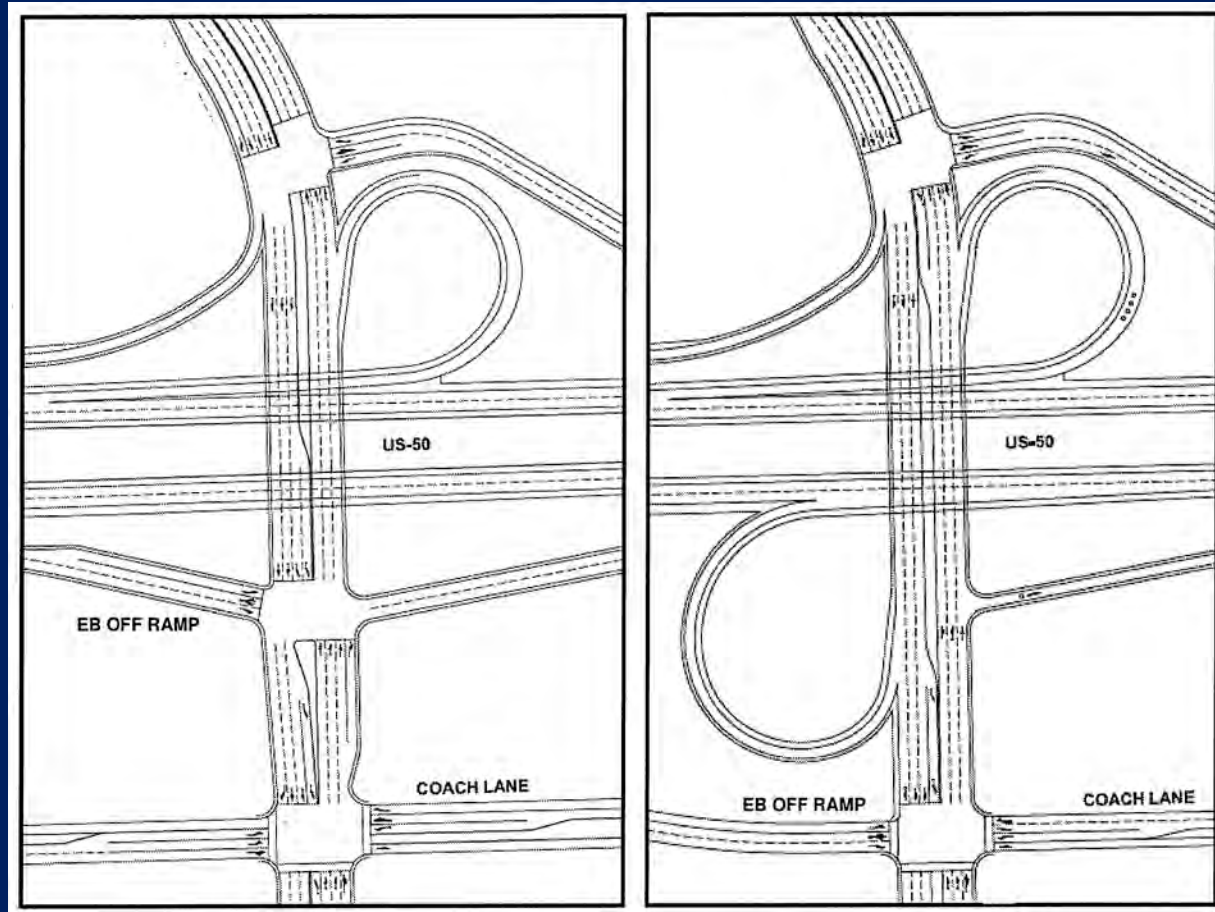
Types of Interchanges



Roundabout Diamond Interchange

Diverging Diamond Interchange

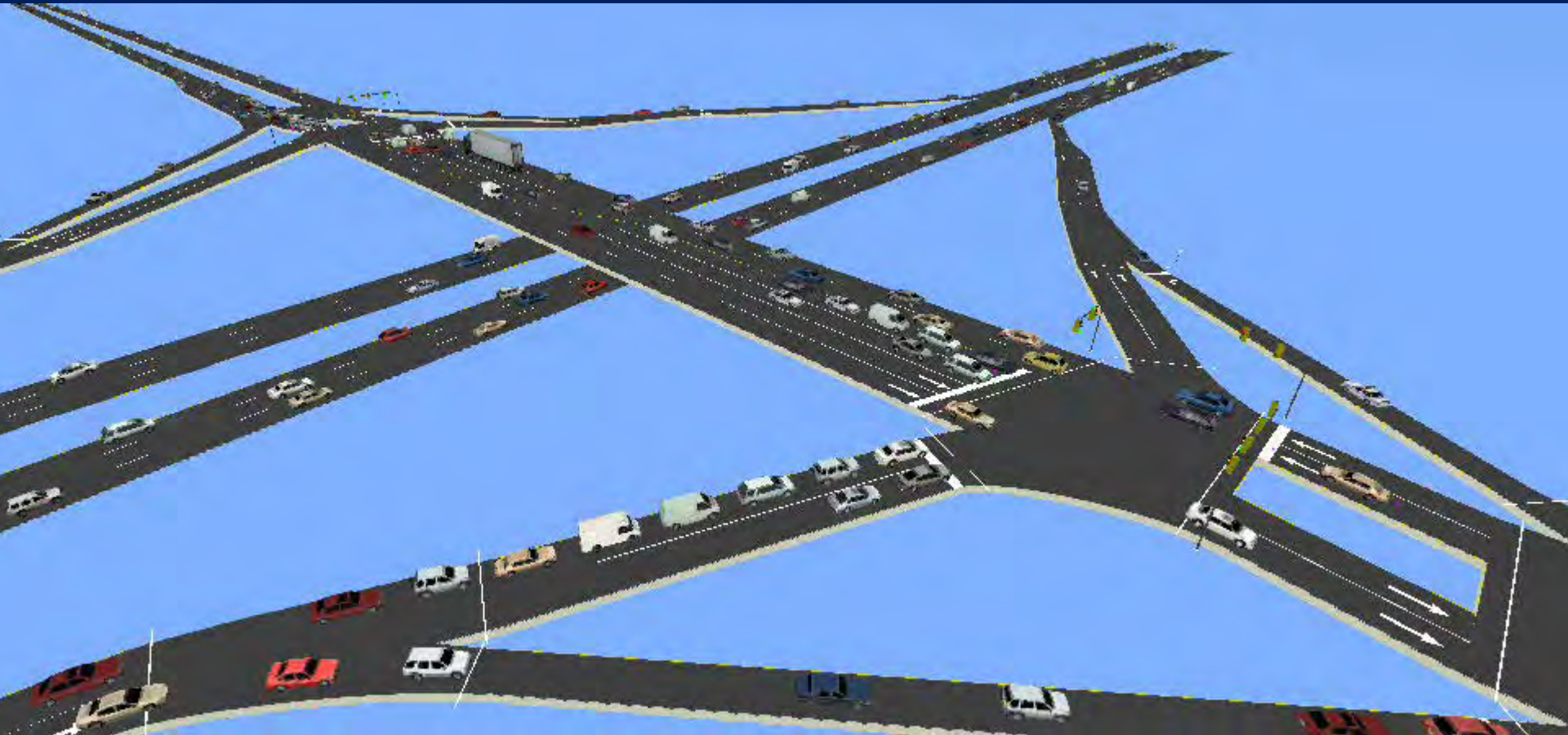
Types of Interchanges



Single Loop Partial
Cloverleaf Interchange

Partial Cloverleaf Interchange

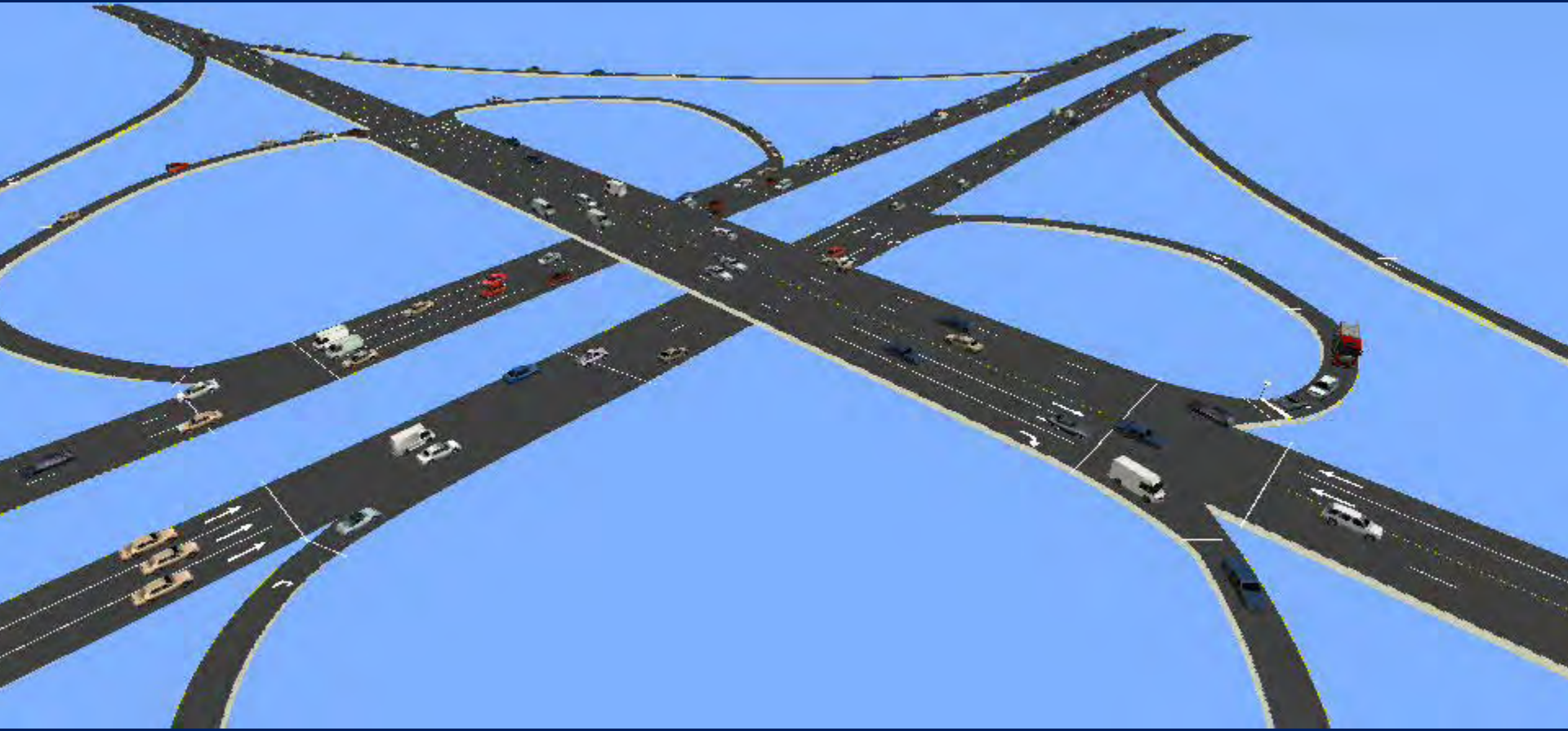
Diamond Interchange



Single Point Urban Interchange (SPUI)



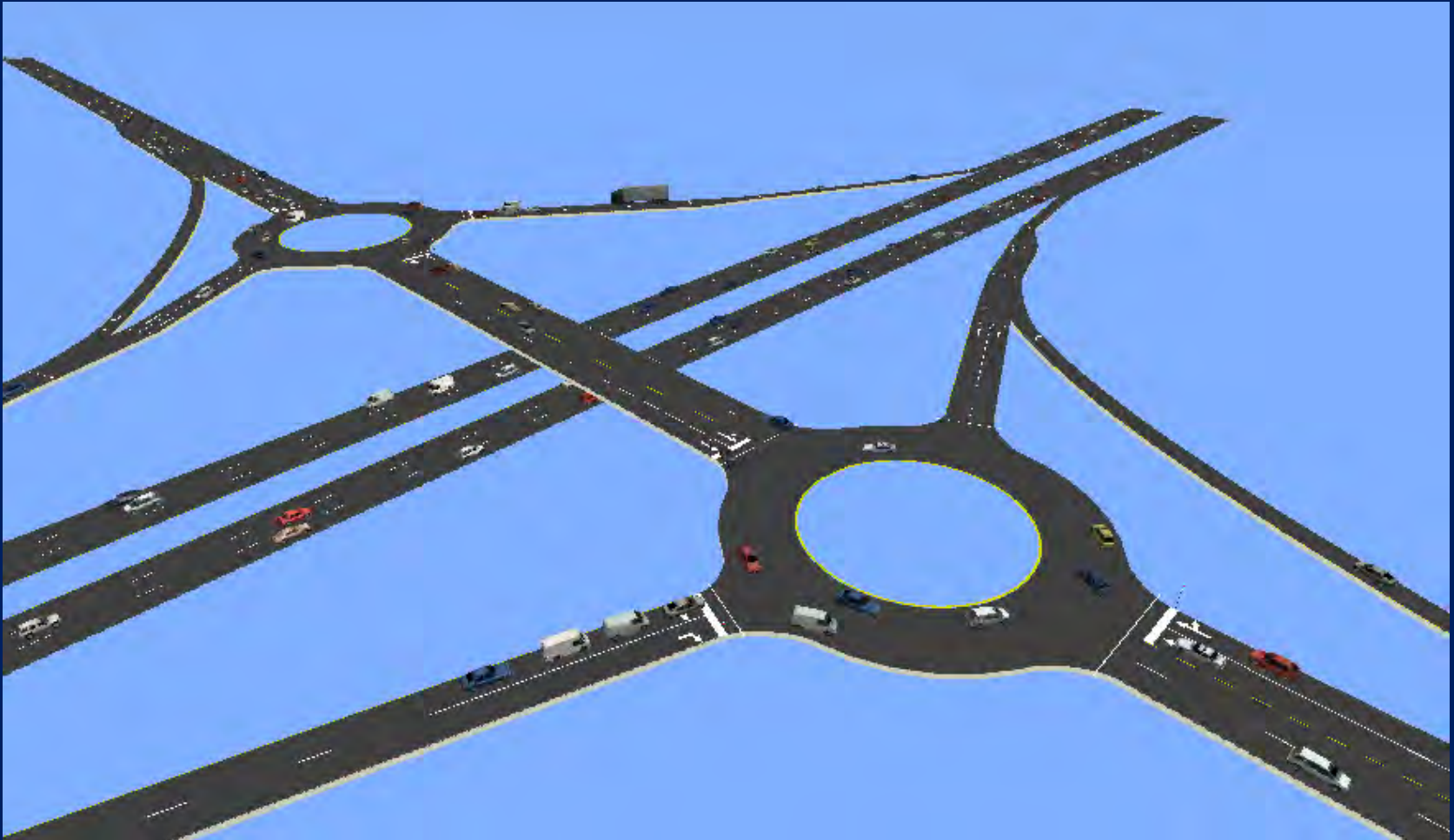
Cloverleaf Interchange



Diverging Diamond Interchange



Diamond Interchange with Roundabouts

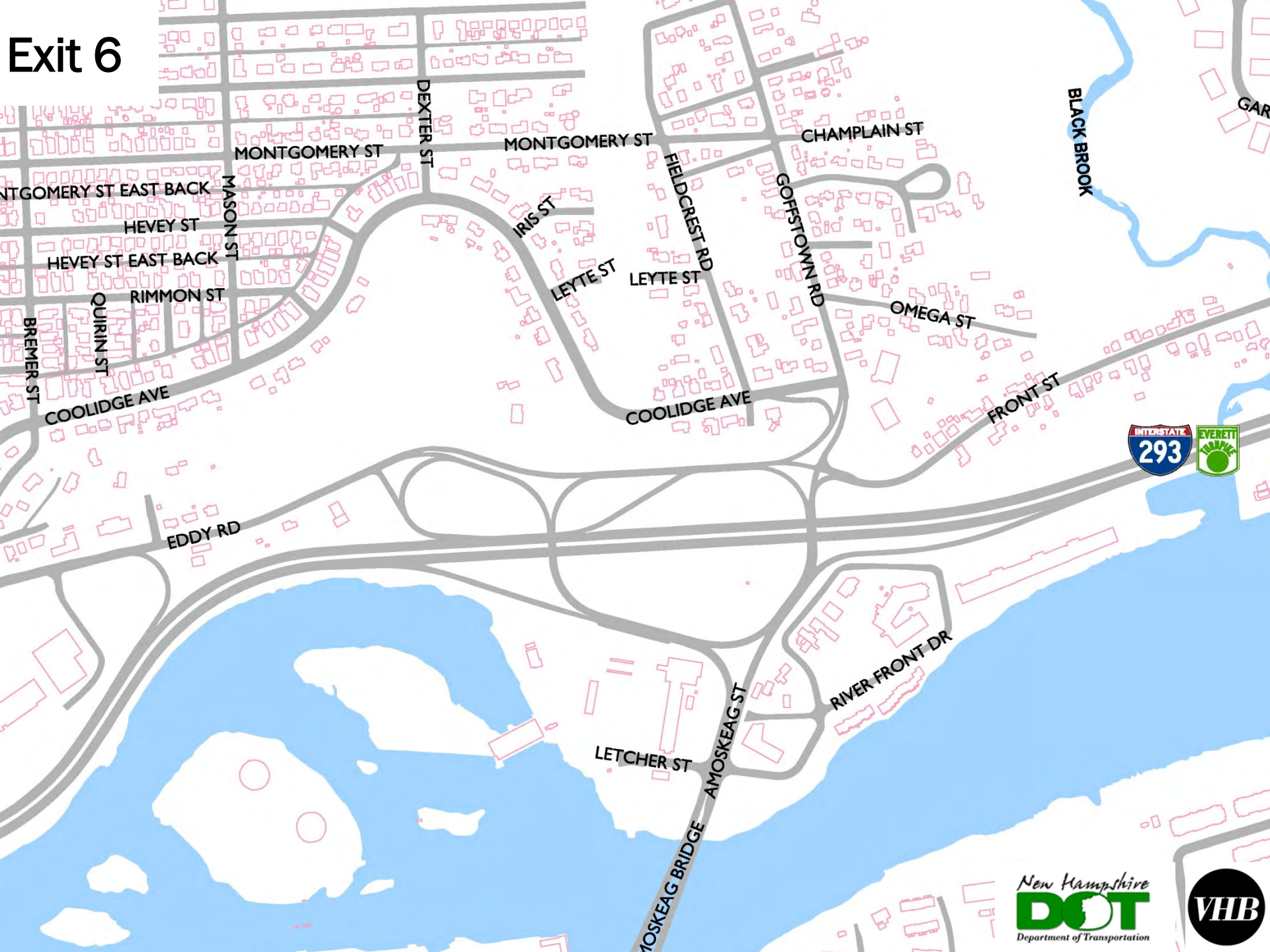


Conceptual Alternatives

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

Exit 6

Exit 6



Single Point Urban Interchange (SPUI)



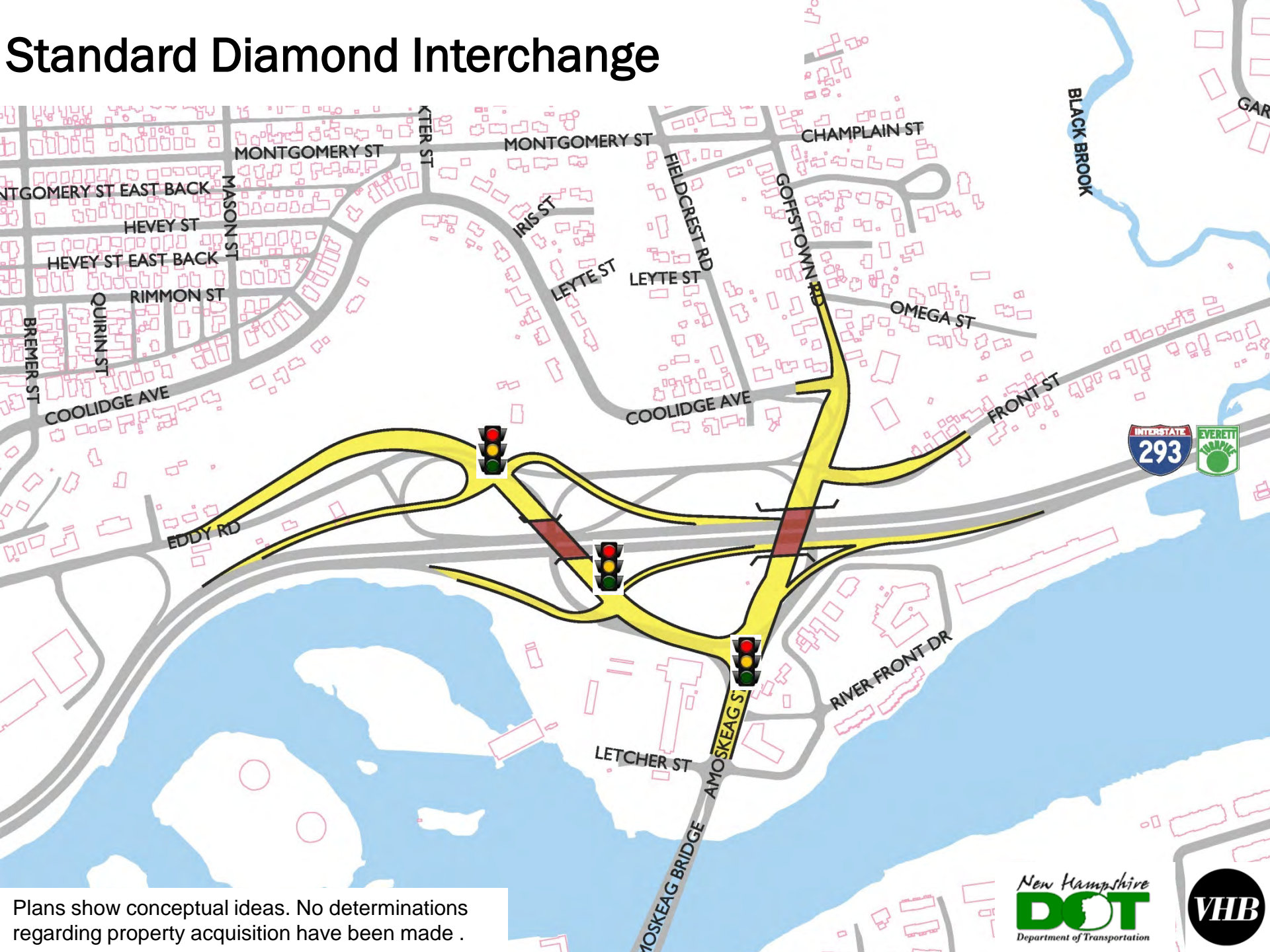
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Single Point Urban Interchange (SPUI)



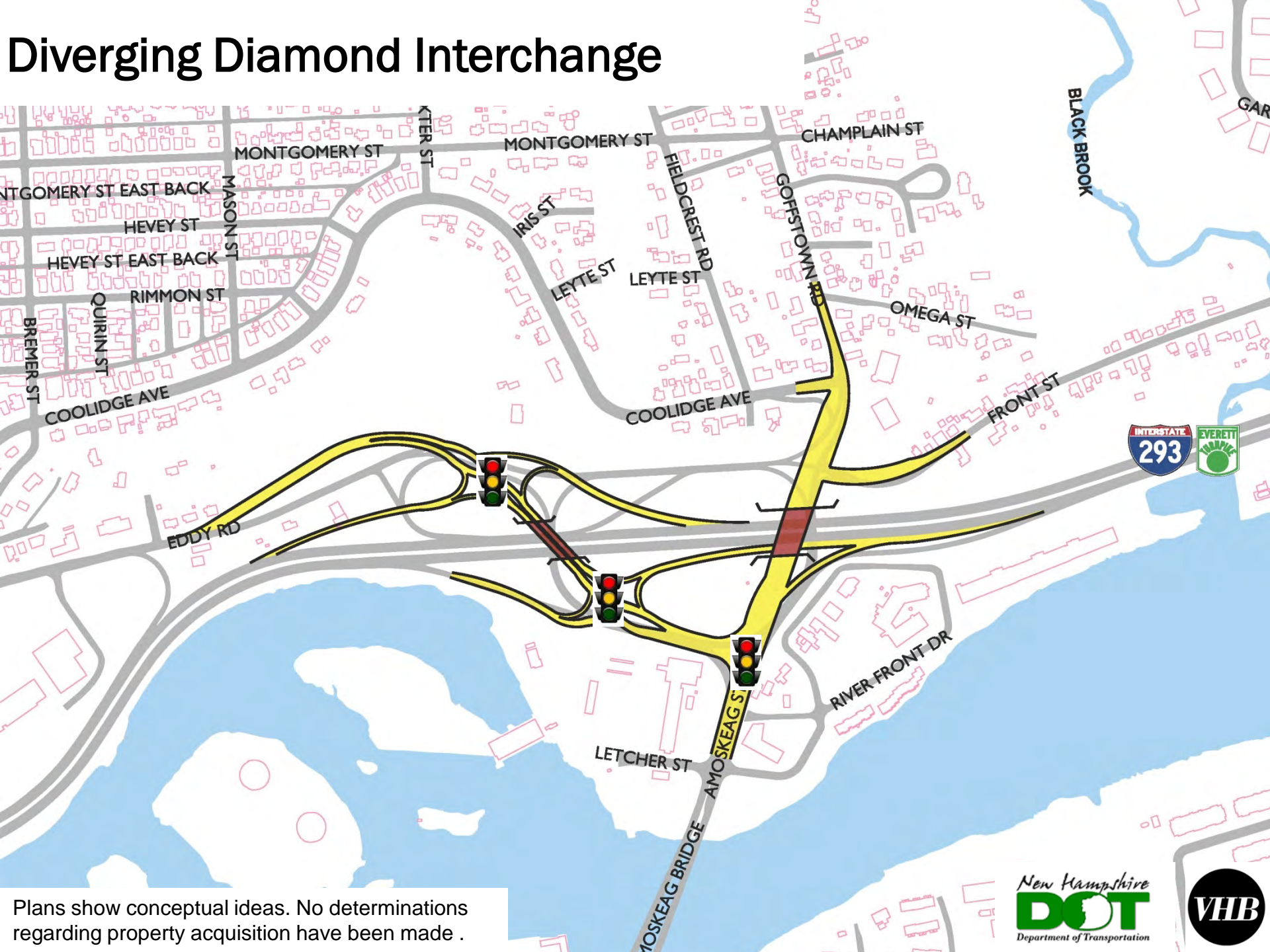
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Standard Diamond Interchange



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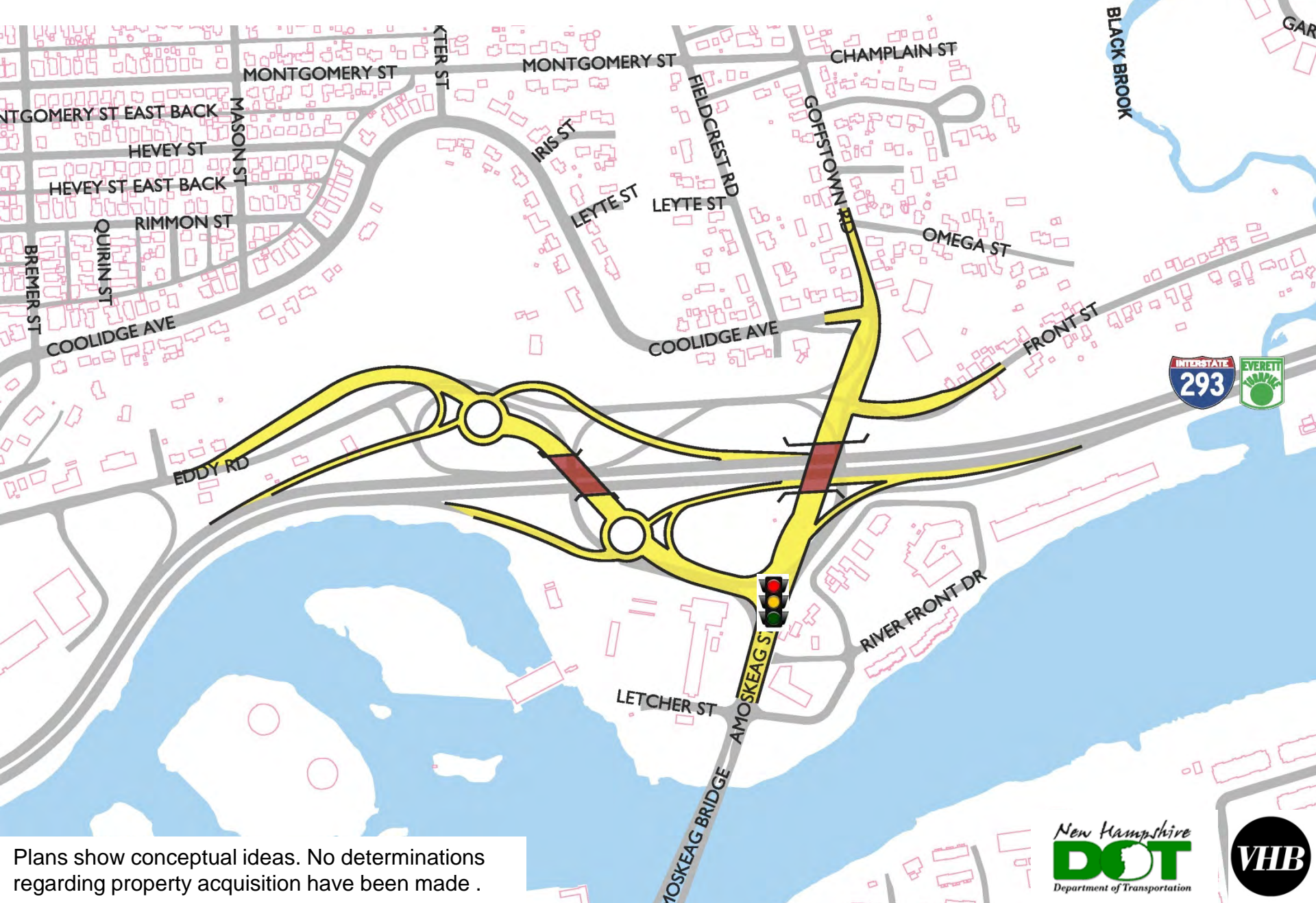
Diverging Diamond Interchange



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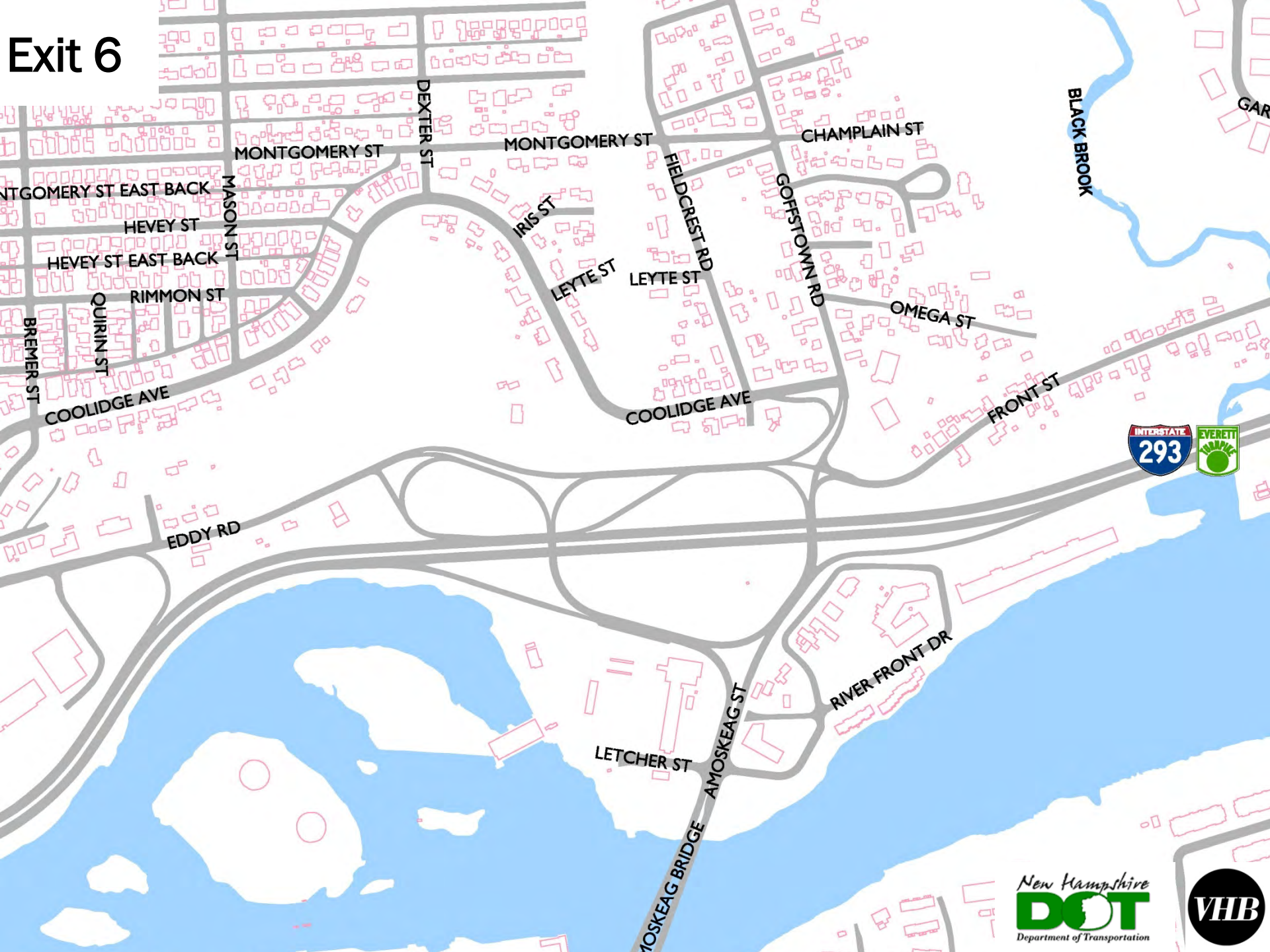


Diamond Interchange with Roundabouts

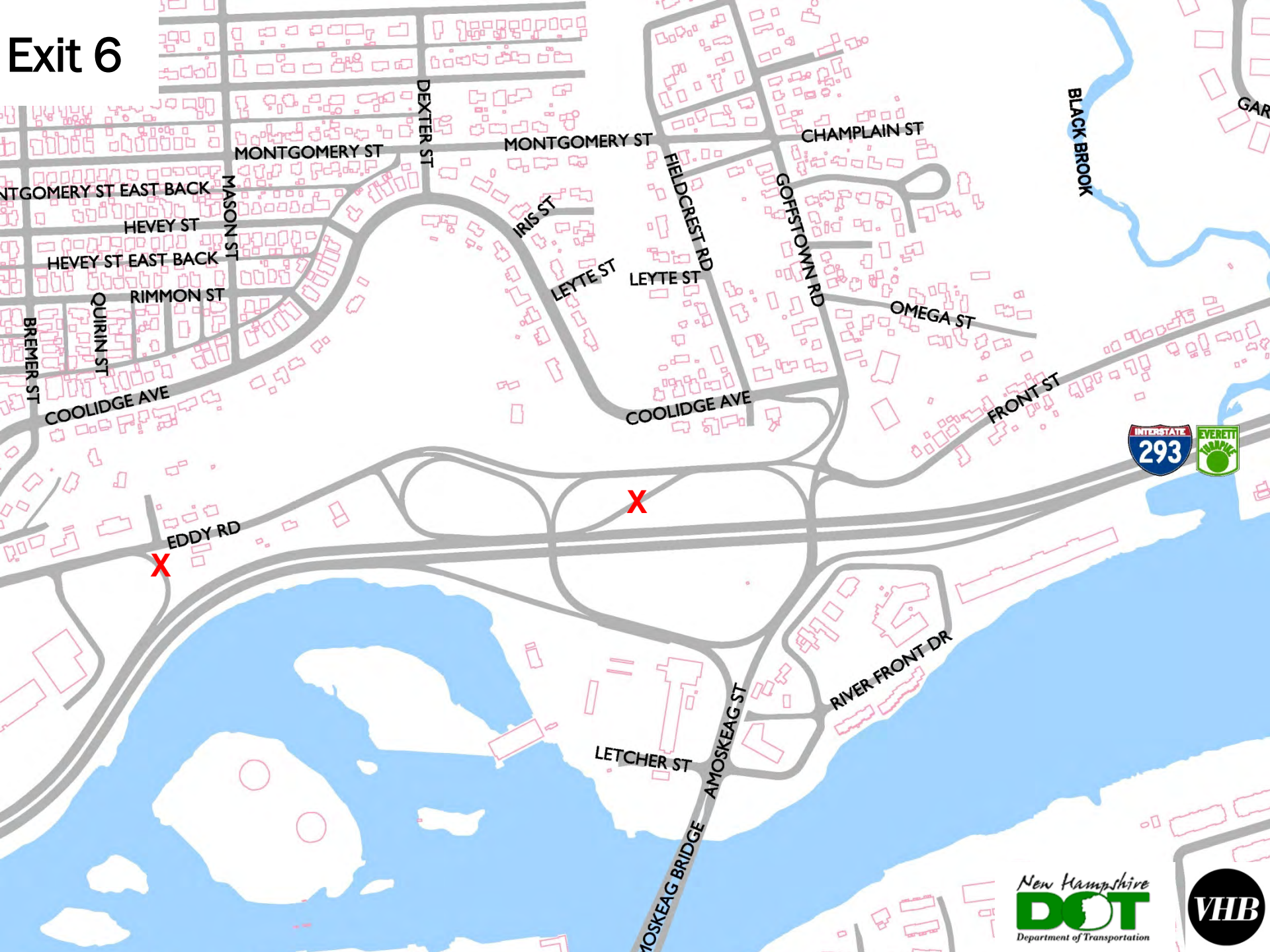


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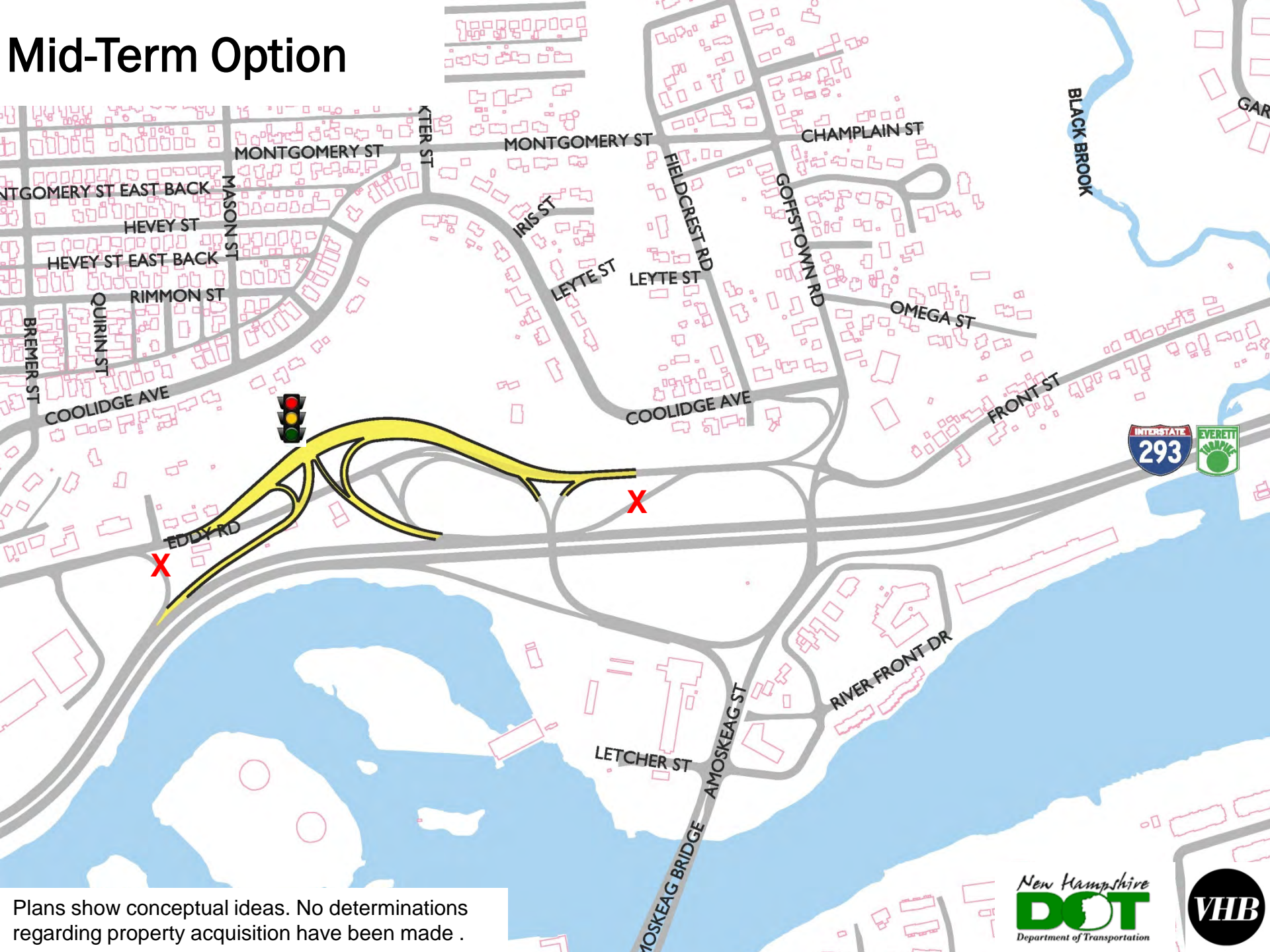
Exit 6



Exit 6

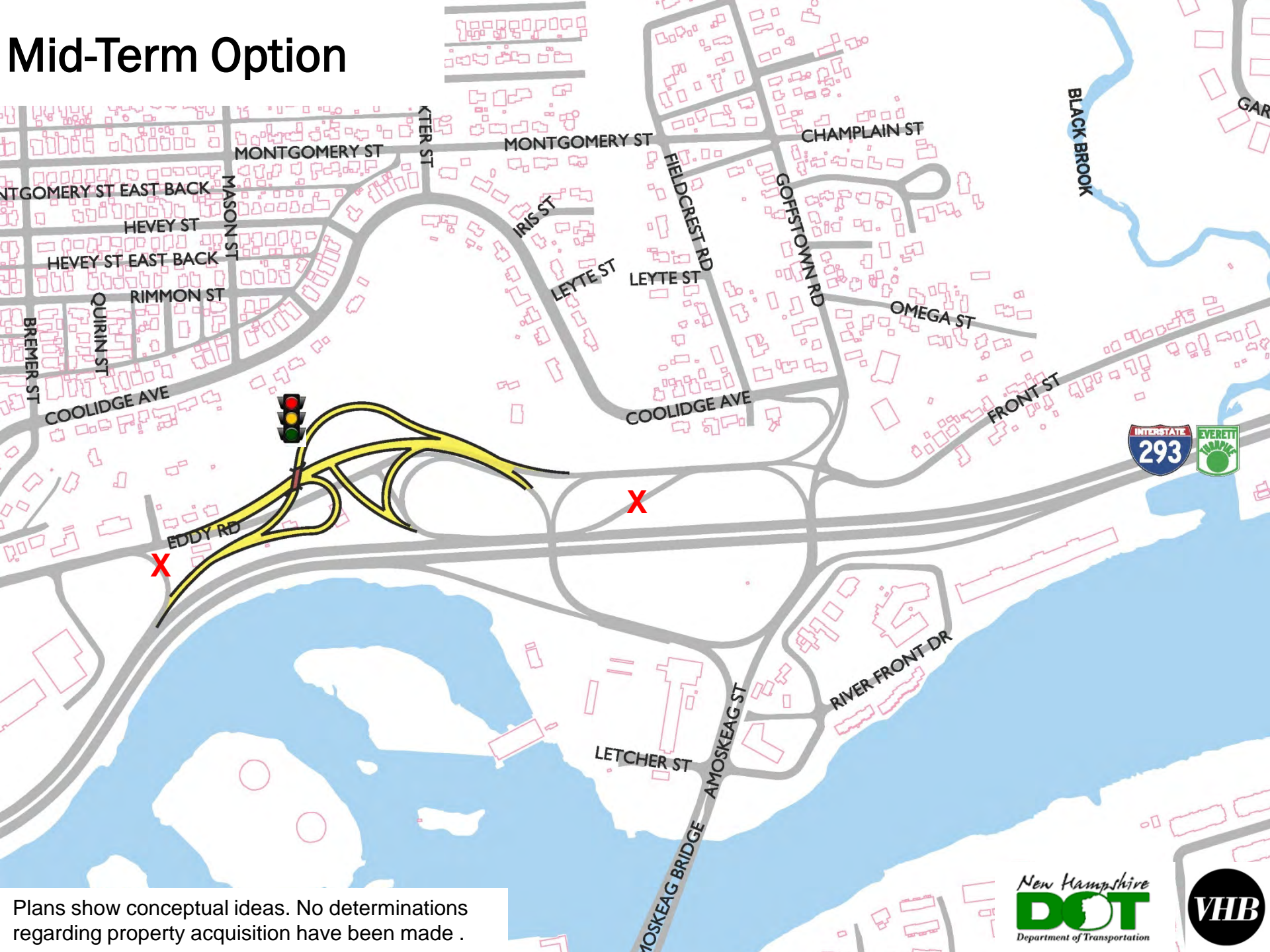


Mid-Term Option



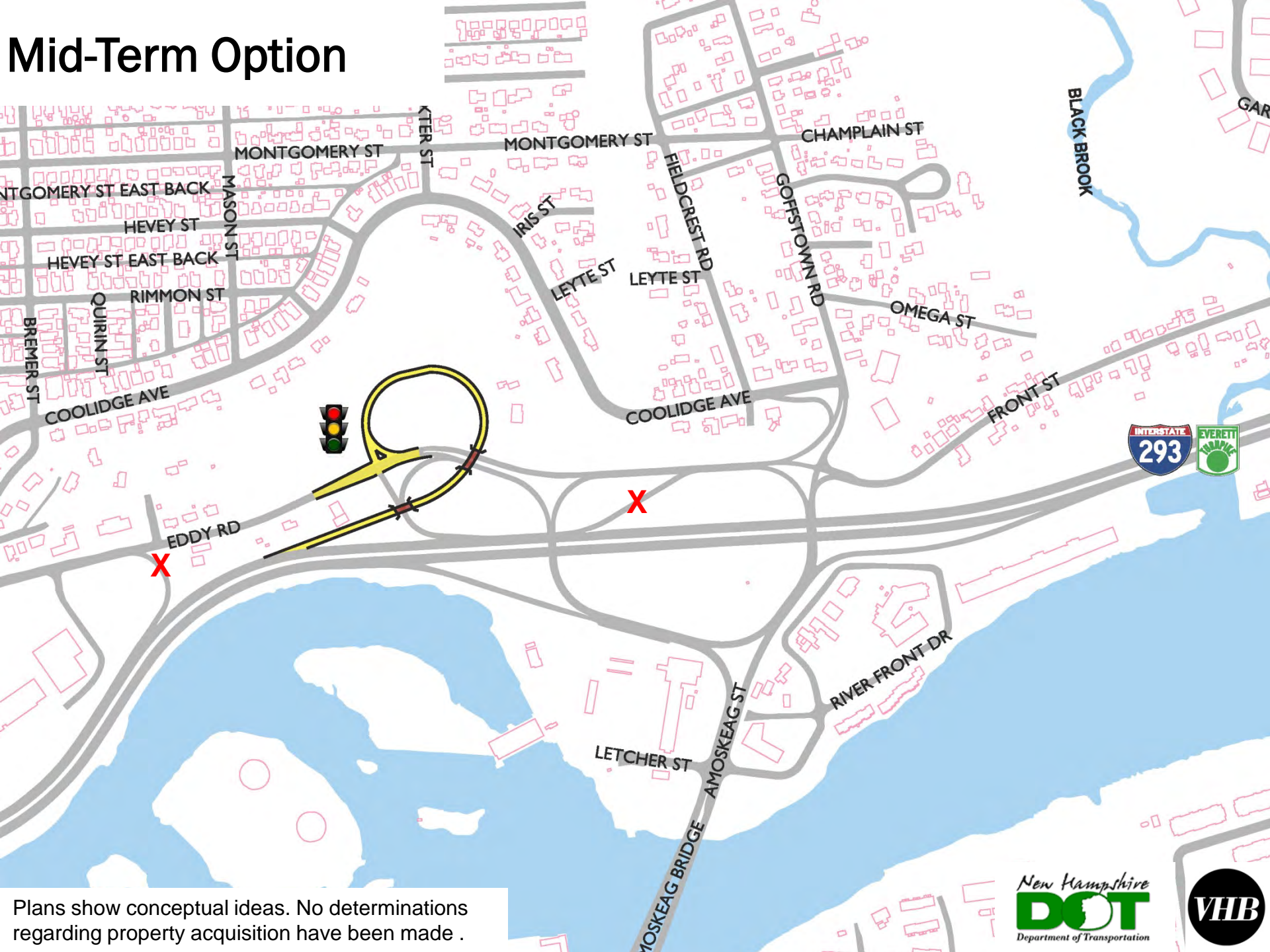
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Mid-Term Option



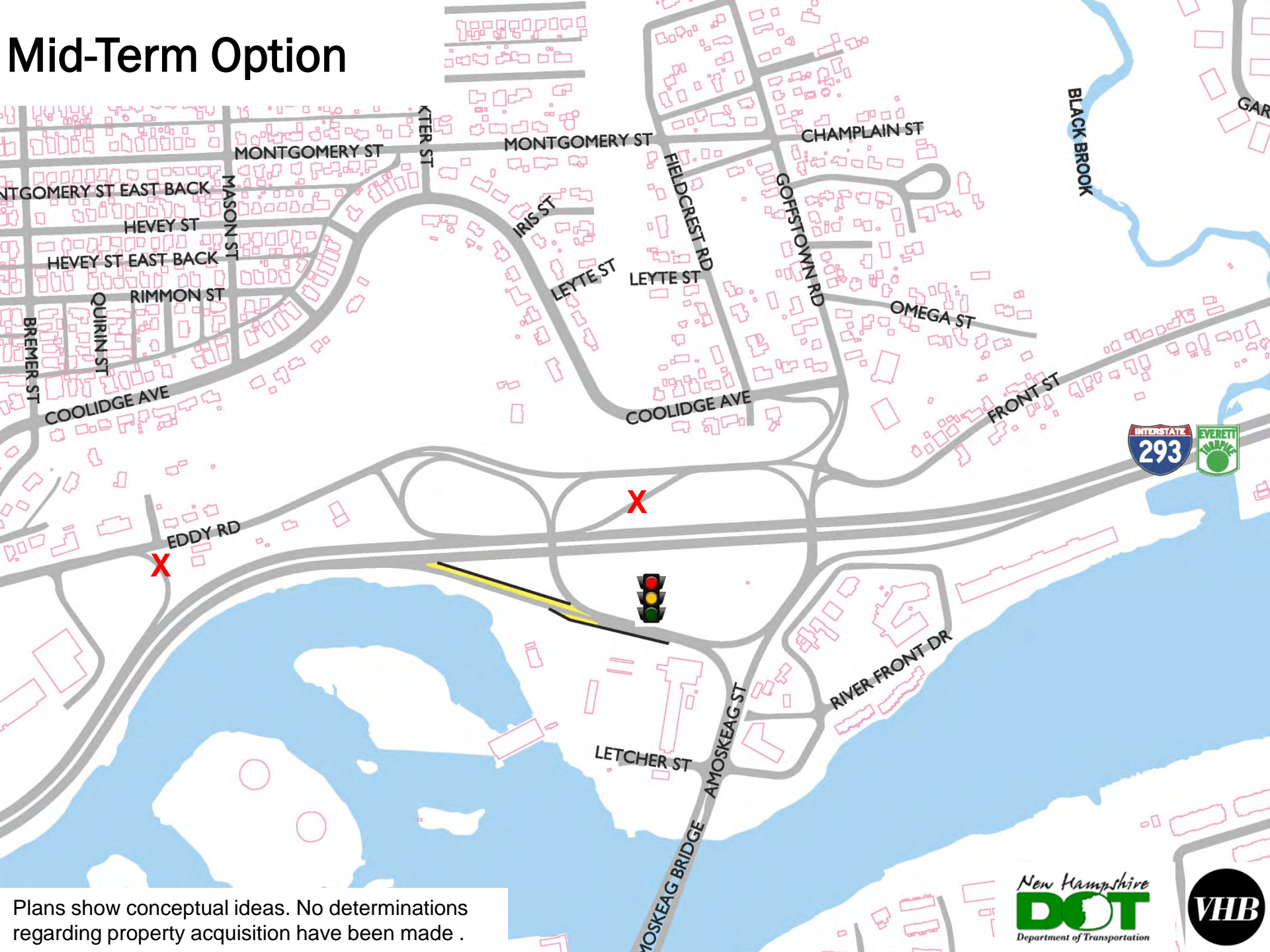
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Mid-Term Option



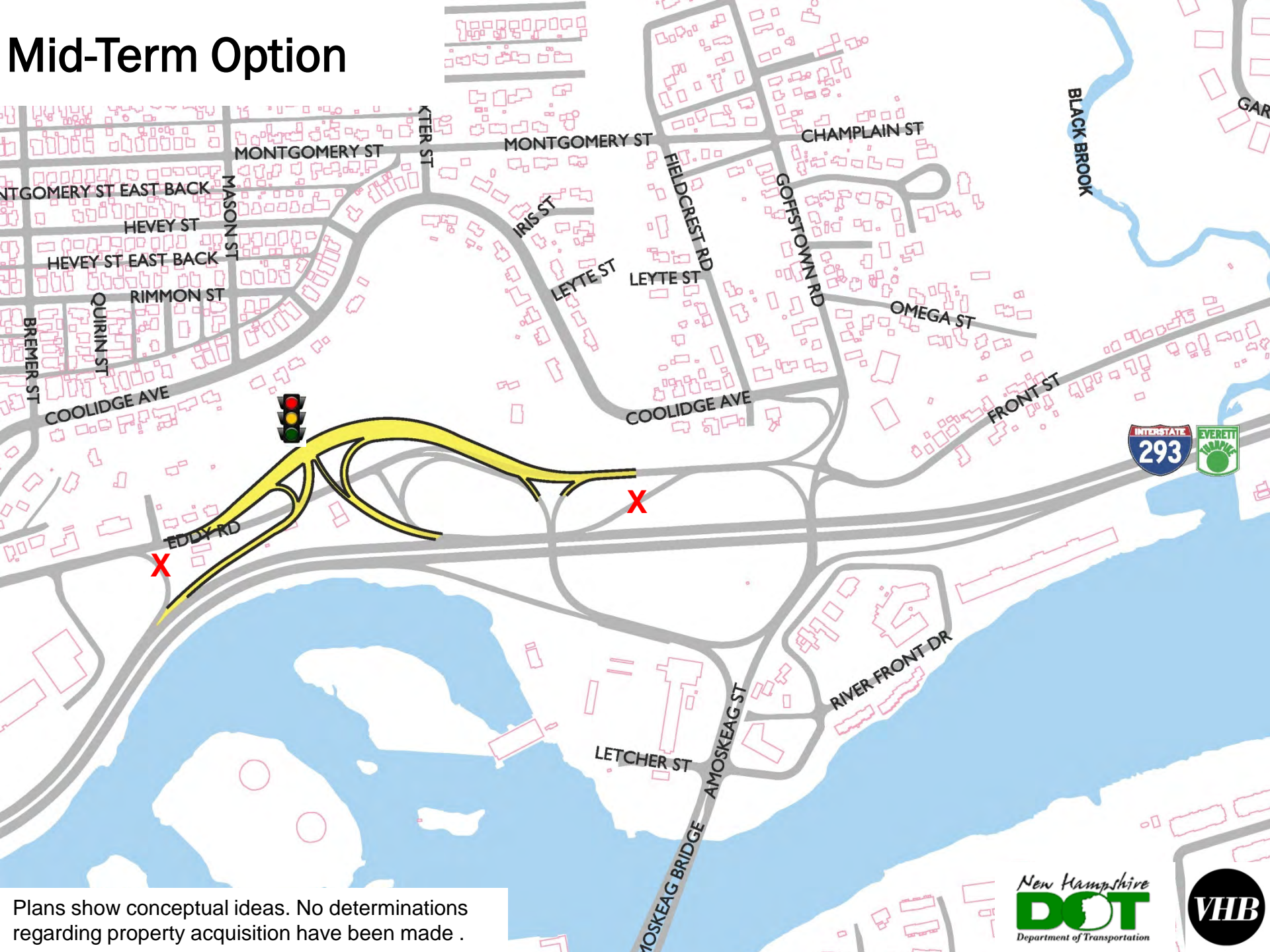
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Mid-Term Option



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Mid-Term Option



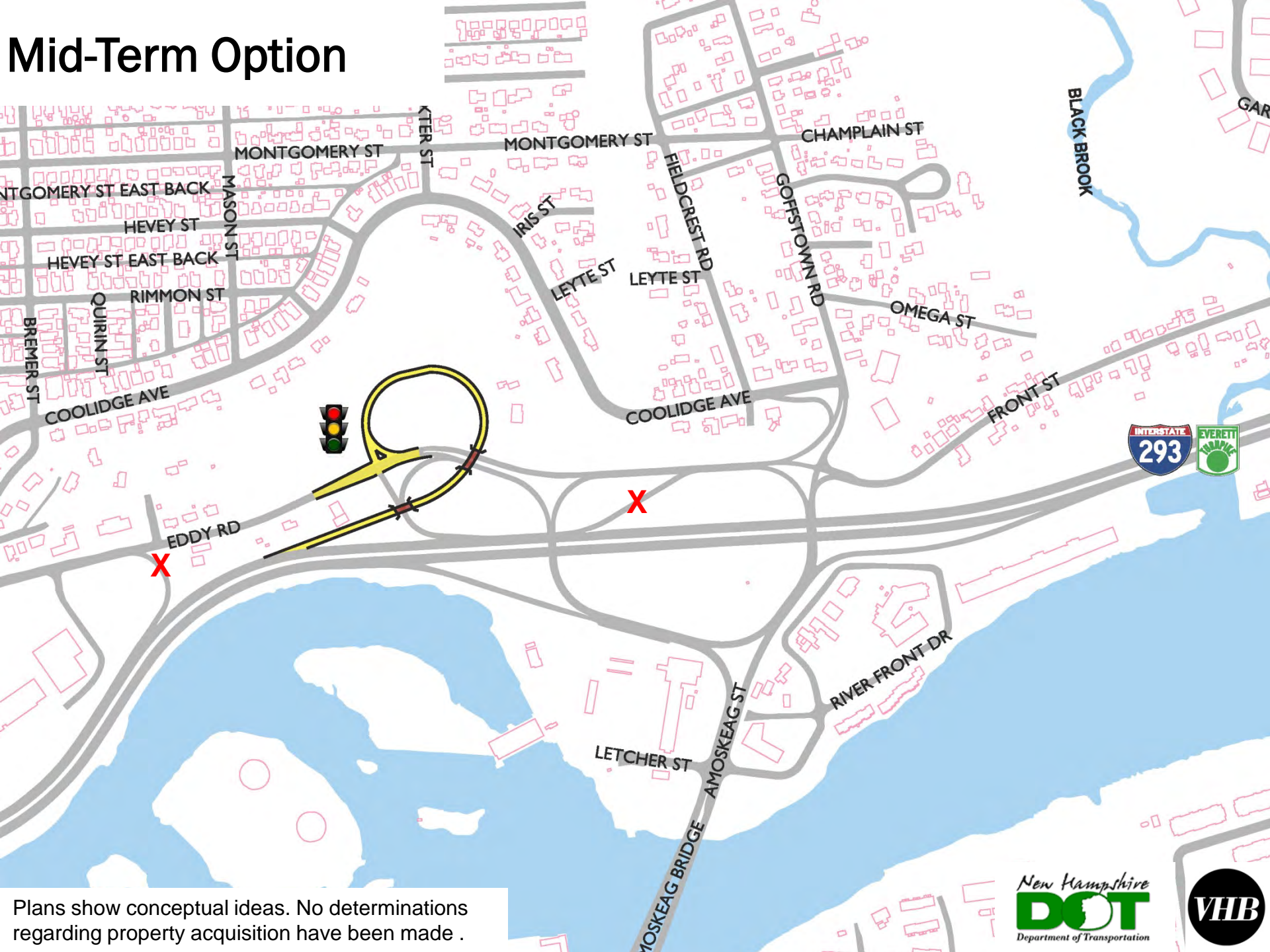
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Mid-Term Option Transition to Long-Term Alternative Offset Diamond Interchange



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

Mid-Term Option



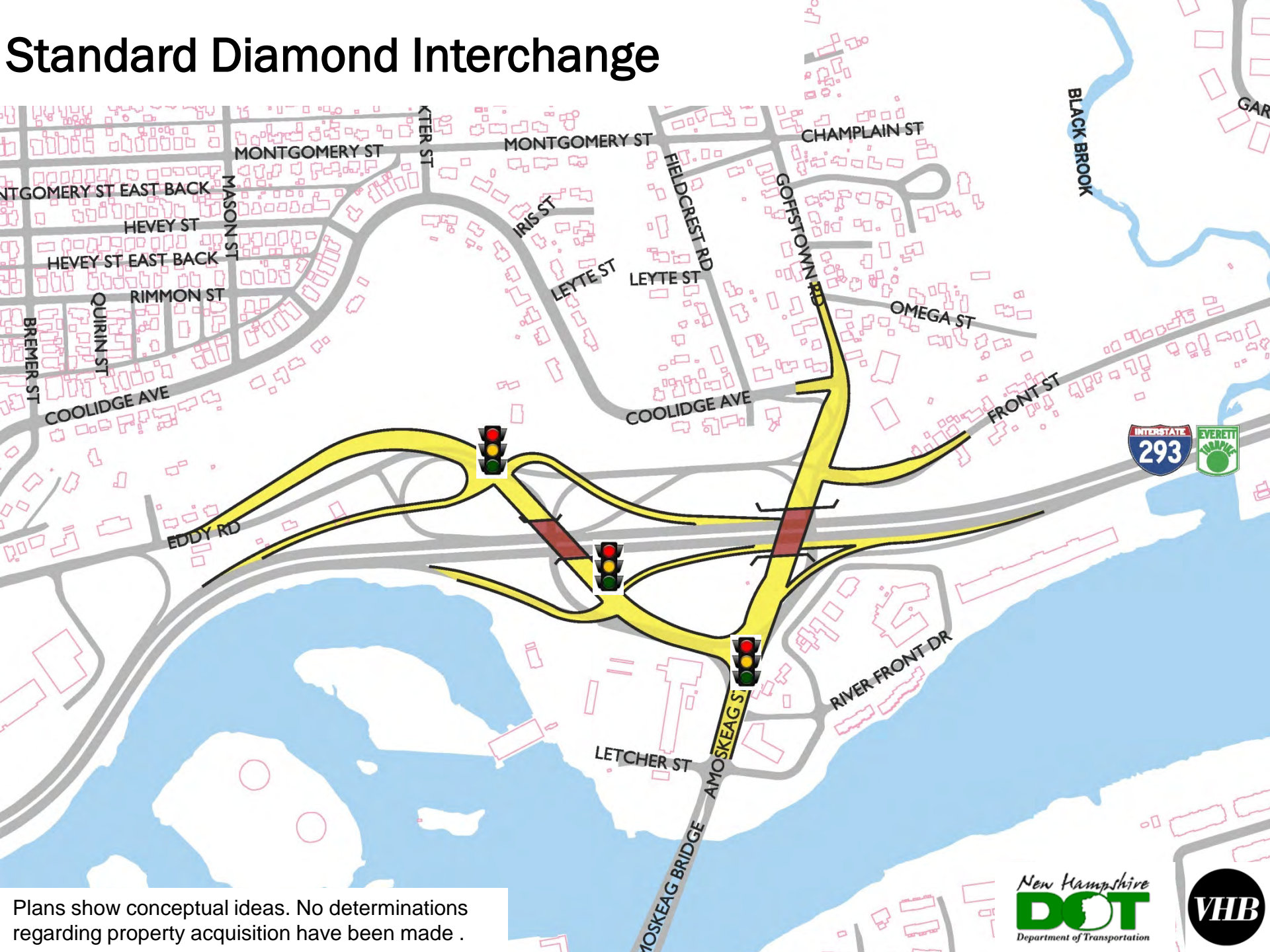
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Mid-Term Option Transition to Long-Term Alternative



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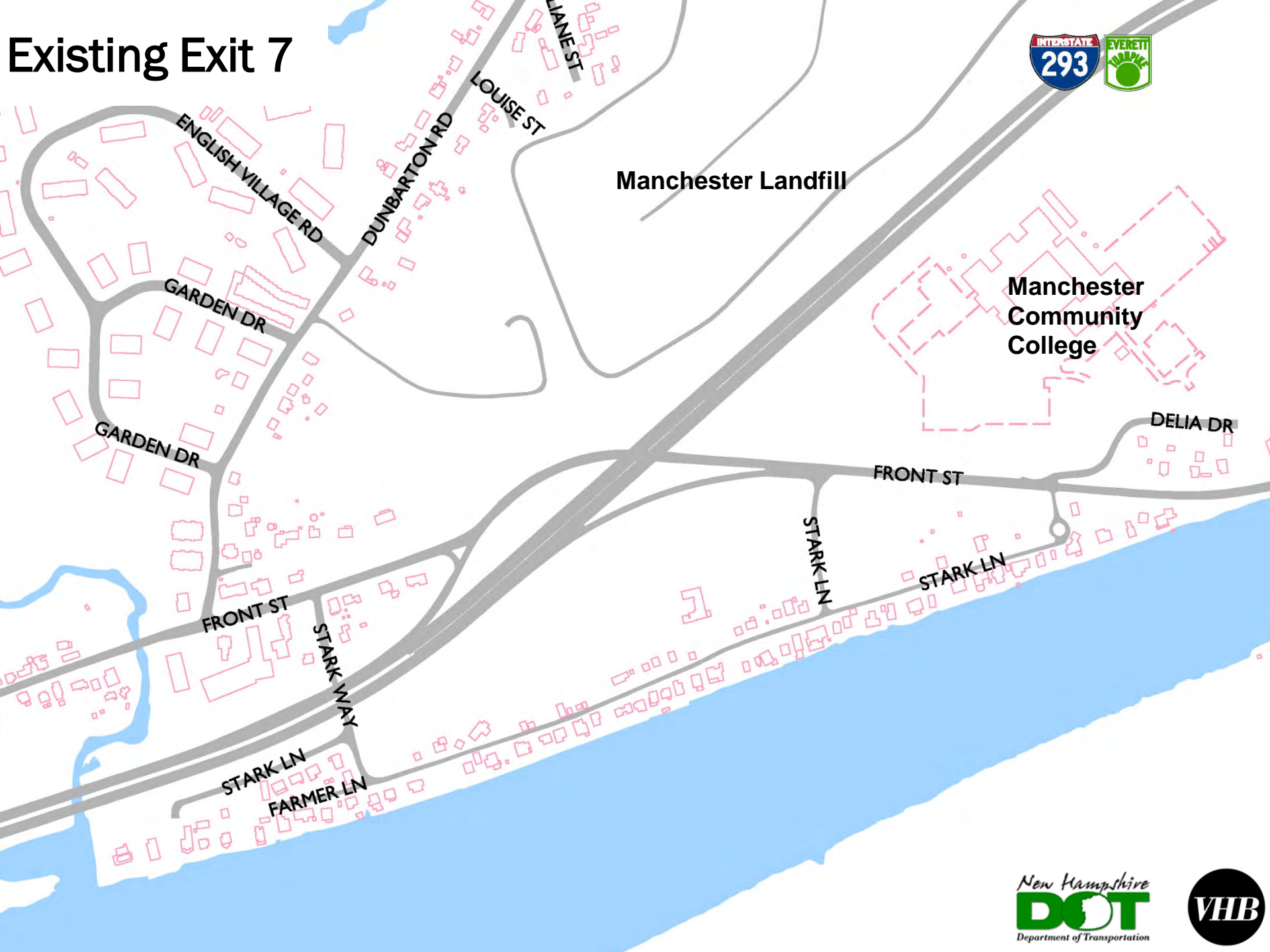
Standard Diamond Interchange



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Exit 7

Existing Exit 7



Manchester Landfill

Manchester
Community
College

DELIA DR

FRONT ST

STARK LN

STARK LN

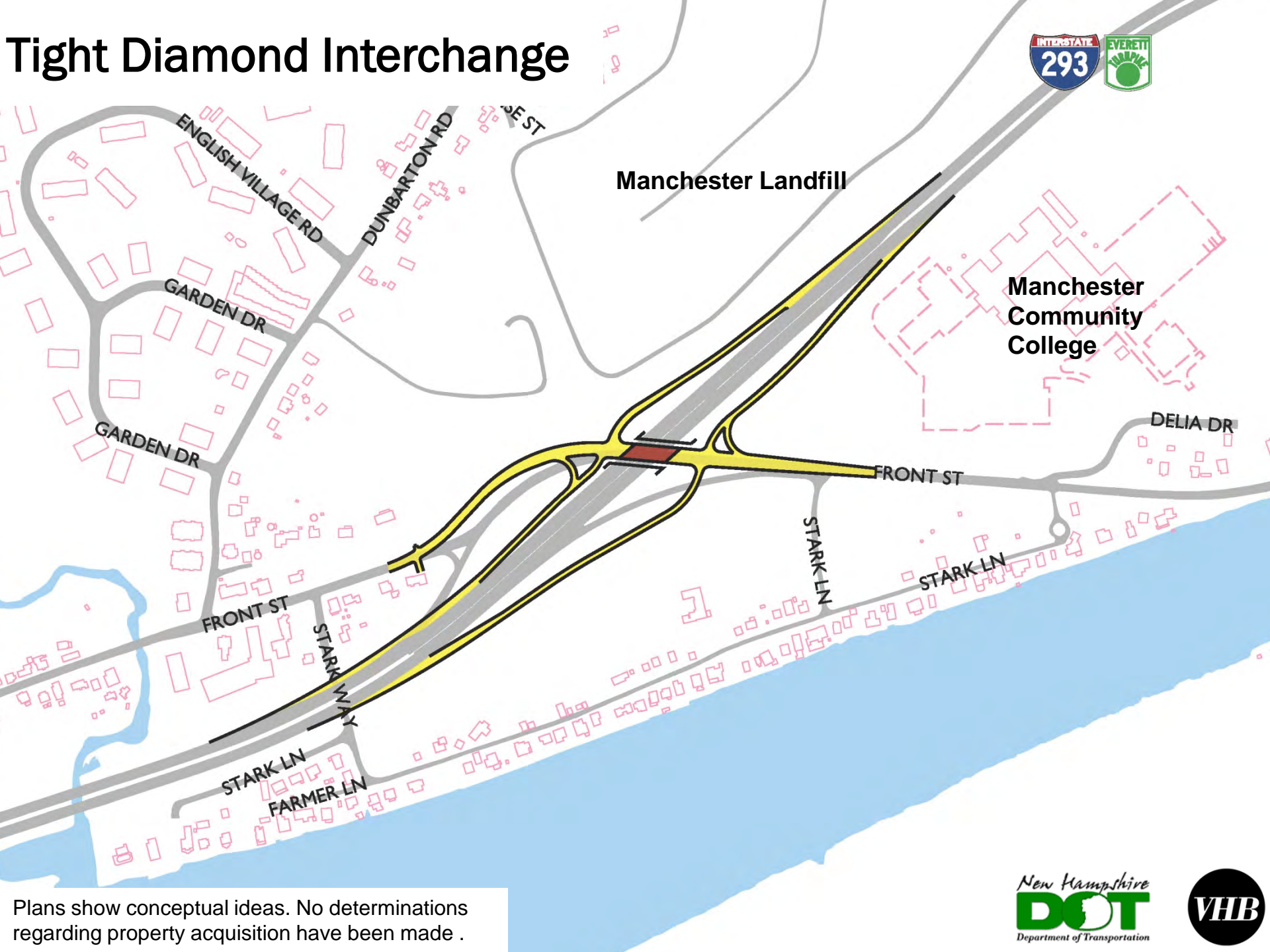
FRONT ST

STARK WAY

STARK LN

FARMER LN

Tight Diamond Interchange



Manchester Landfill

Manchester
Community
College

DELIA DR

FRONT ST

STARK LN

STARK LN

FRONT ST

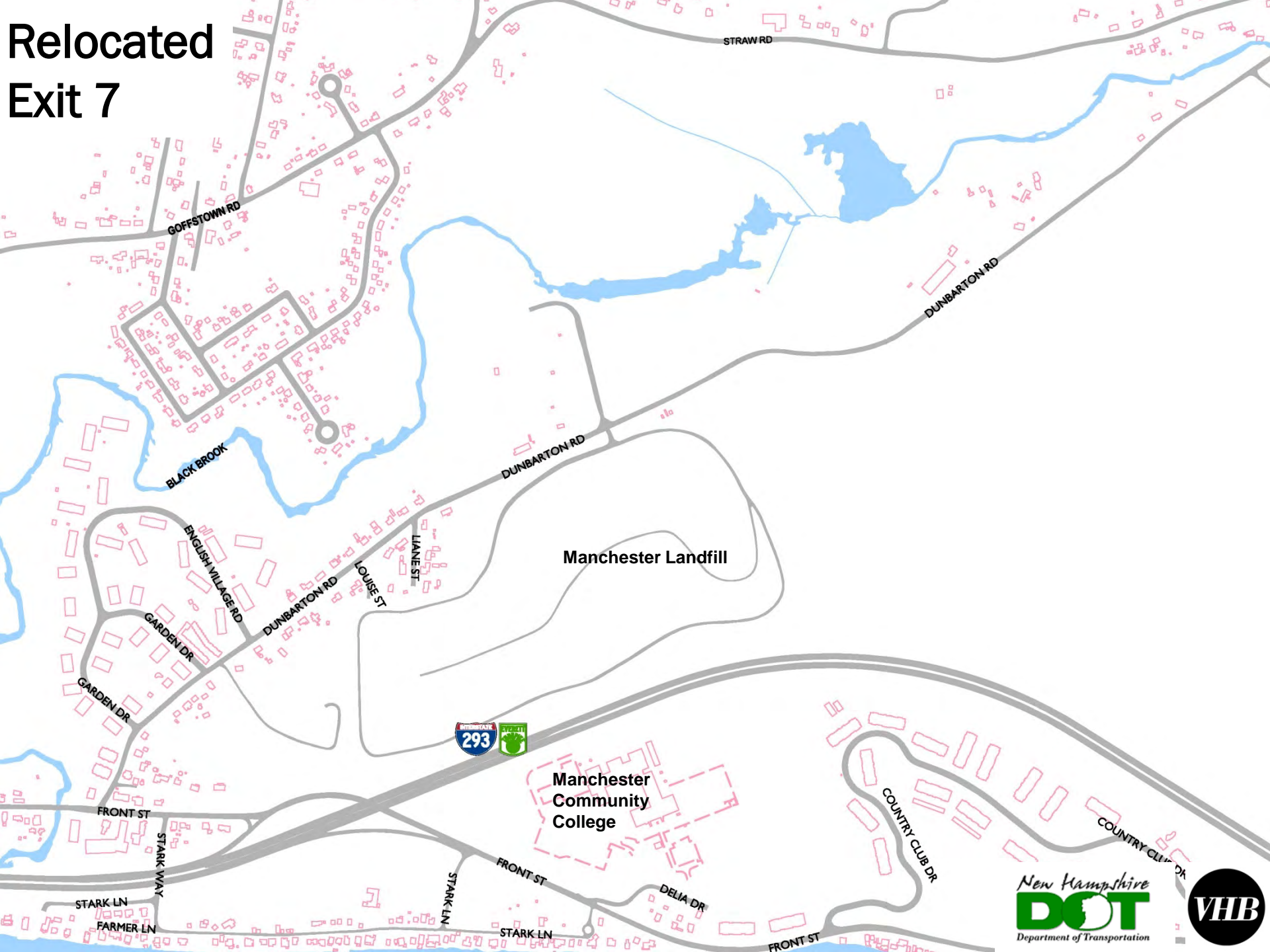
STARK LN

STARK LN

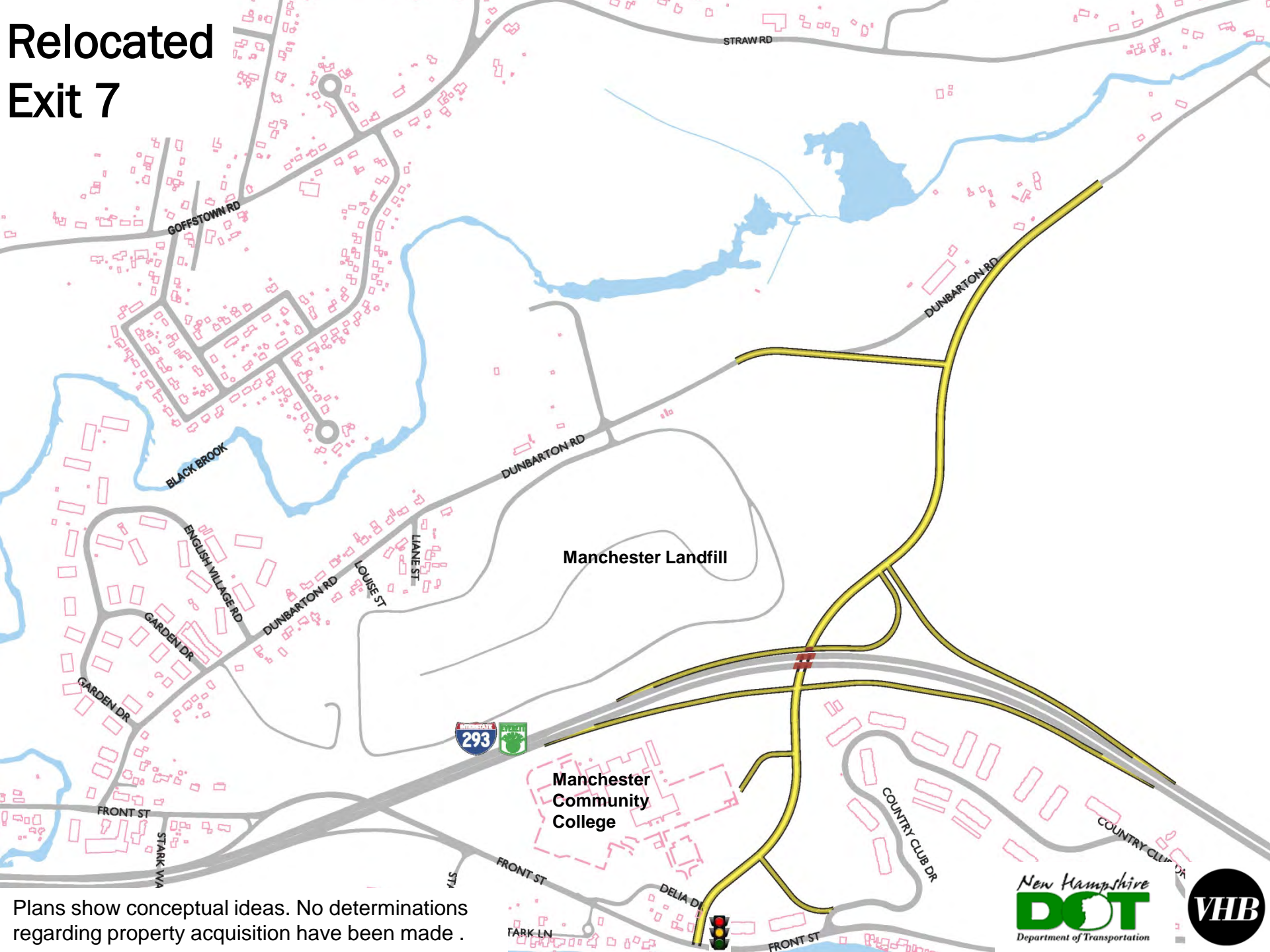
FARMER LN

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Relocated Exit 7



Relocated Exit 7



Manchester Landfill

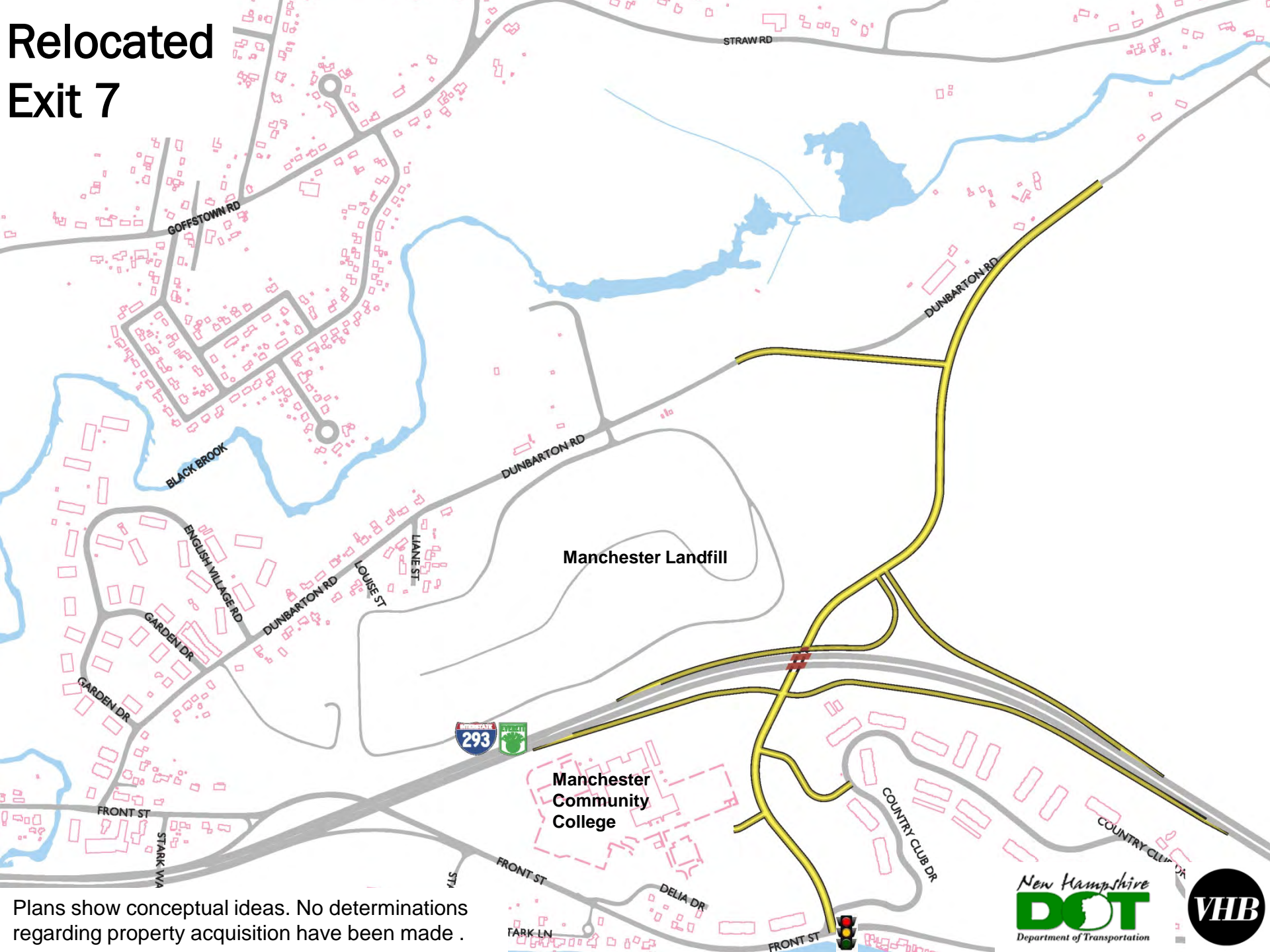
Manchester
Community
College

New Hampshire
DOT
Department of Transportation

VHB

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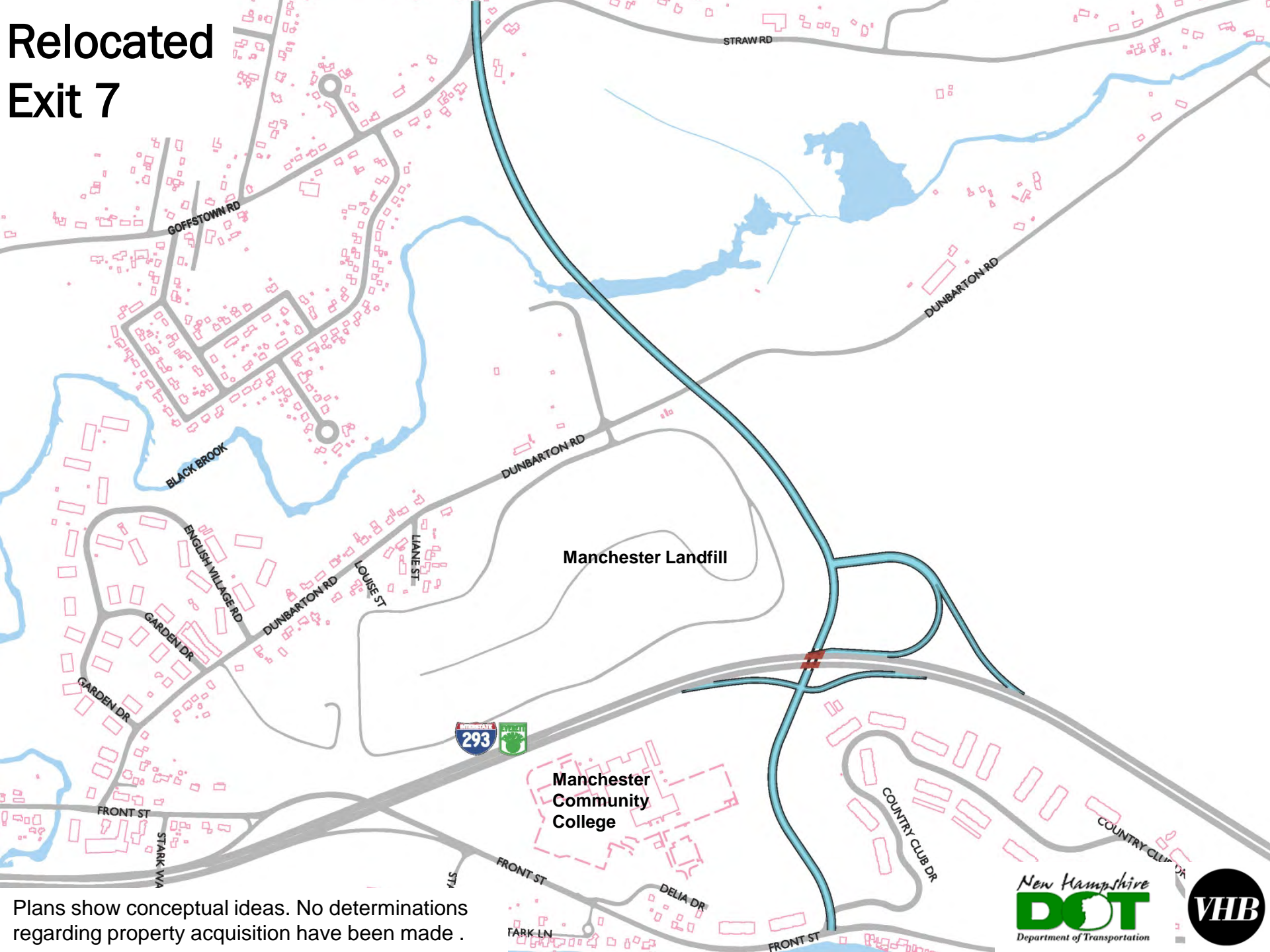
Relocated Exit 7



Manchester Landfill

Manchester
Community
College

Relocated Exit 7



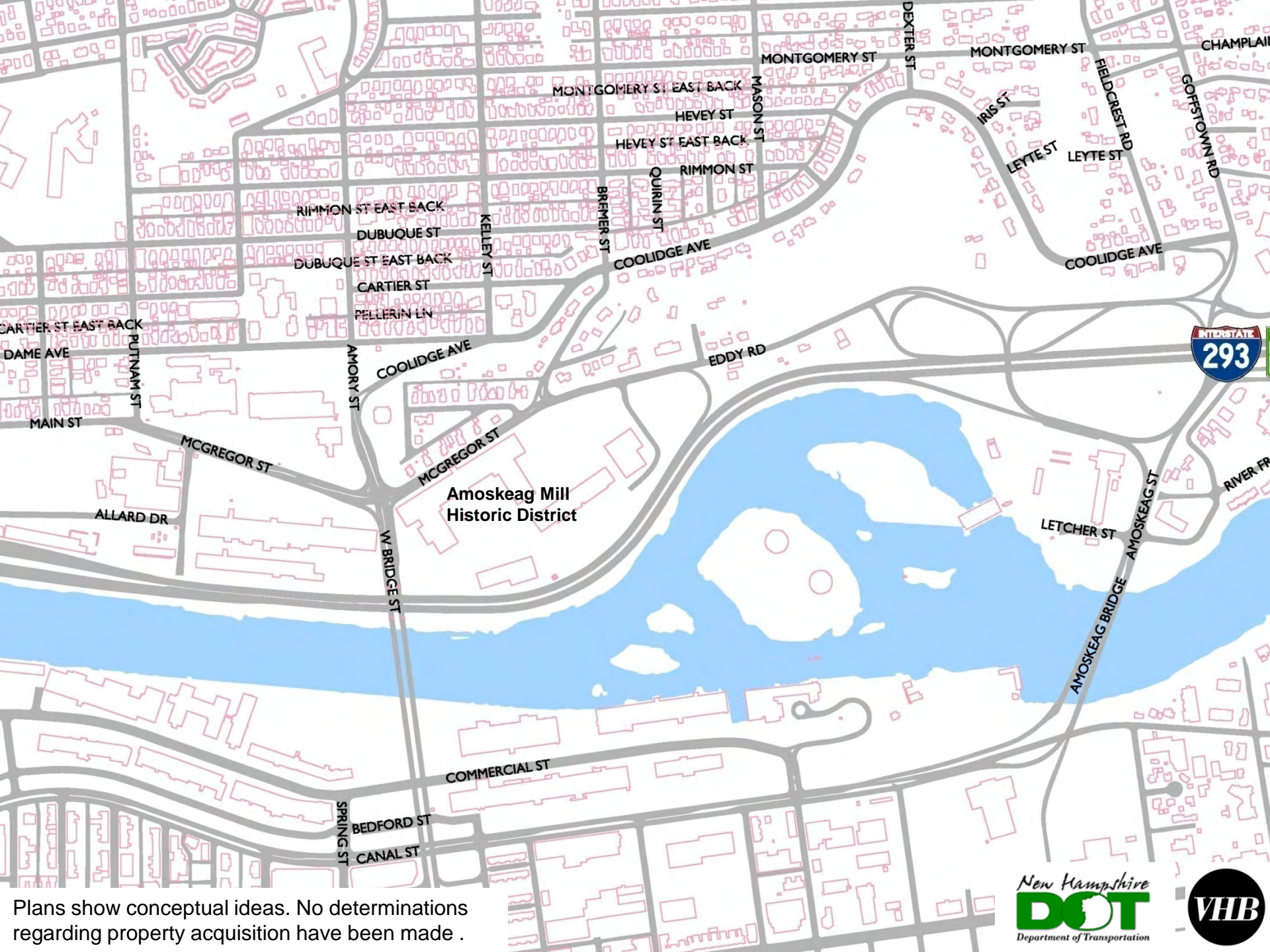
Manchester Landfill

Manchester
Community
College



I-293 Mainline

www.293planningstudy.com

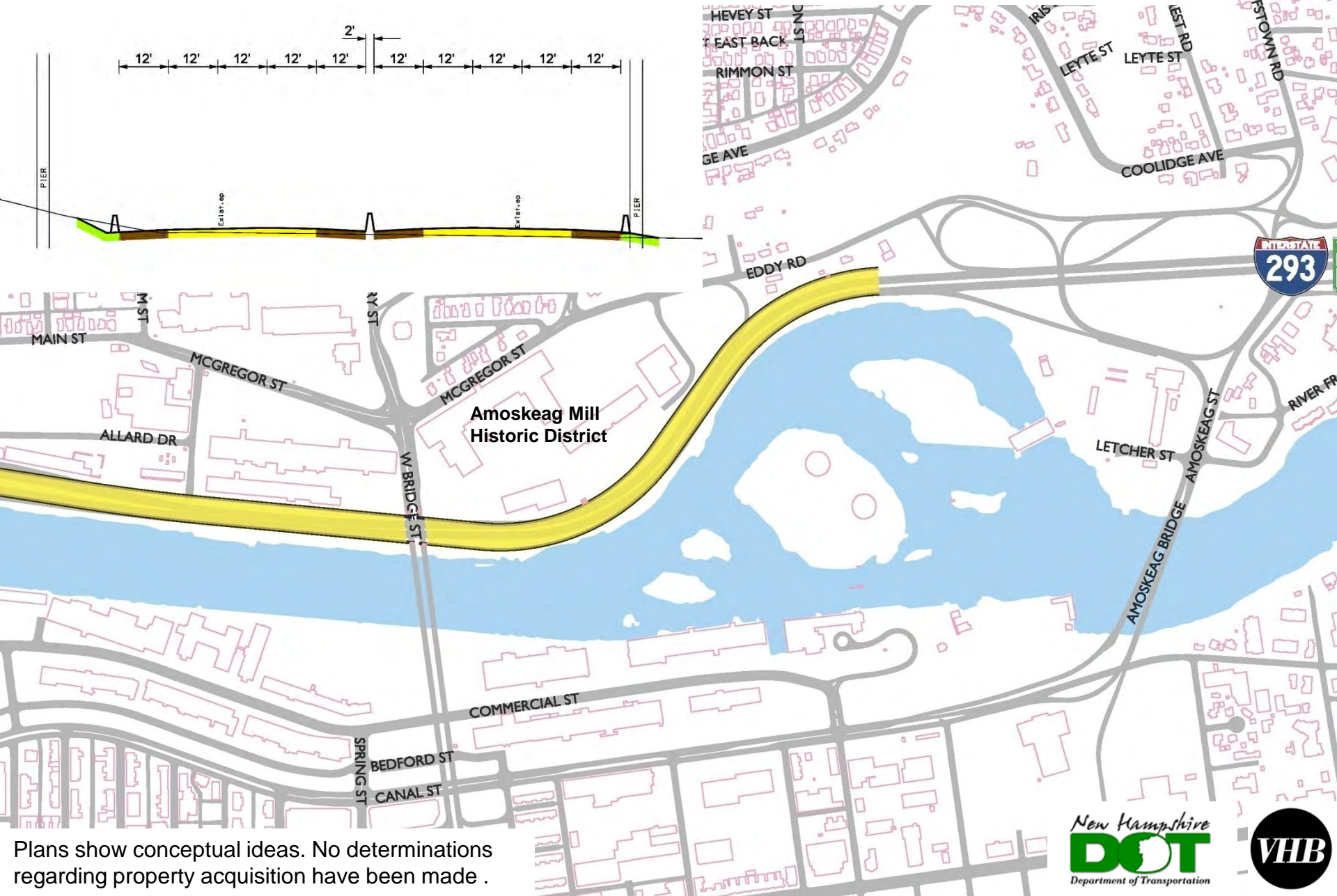


**Amoskeag Mill
Historic District**



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

6 Lane Section Between River and Historic District



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

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

Recap

Near-term Interim Actions

Long-term Alternatives

Mid-term Alternatives

Near-term Interim Actions

Cut back highway brush

Dynamic message signing

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

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

NHDOT Contact

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I-293 Exits 6 and 7

Transportation Planning Study

(Manchester #16099)

Comments/Questions?

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