

March 18, 2021 Senate Transportation Committee





Roosevelt Highway's Problems

- Safety Issues
 - 2012-2016: 109 Crashes (3rd highest in VT for Injuries, 8th highest in VT for #)
- Traffic Capacity Issues
 - LOS (Delay) deficiencies at Mt. View and Exit 16 Ramps
 - Heavy Left Turn Movements at Exit 16 Ramps
- Lack of Multi-Modal Facilities
- Lack of Stormwater Treatment
- Buried and Aerial Utilities
 - Starting to become messy with new development

Bonus!

Interchange Bridges' Condition:

Do not need replacing

Colchester HES NH 5600(14) Scope

- Stormwater Treatment Infrastructure
 - 3 Ponds
 - 8 Grass Channels
- Roadway Banking Corrections
- New:
 - Signs
 - Pavement Markings
 - Traffic Signals
 - Roadway Drainage
- Reconfigured I-89 Exit 16 Interchange → DDI

I-89 Exit 16 Reconfiguration



I-89 Exit 16 Diverging Diamond Interchange



DDI Benefits

In 113 Diverging Diamond Interchanges in the U.S., states have experienced:

- Over 60% reduction in crashes
- Over 50 % increase in vehicular throughput
- Sarasota, Florida
 - Built their DDI at I-75 @ University Parkway
 - 5 x 5 DDI
 - In the first year since opening:
 - -50% crashes
 - -40 travel time delay
- Testament: 37 DDIs currently under construction; another 157 planned!
 (Including 3 in Alaska! 2 Open and 1 Planned)

DDI Traffic Flow (1:05)



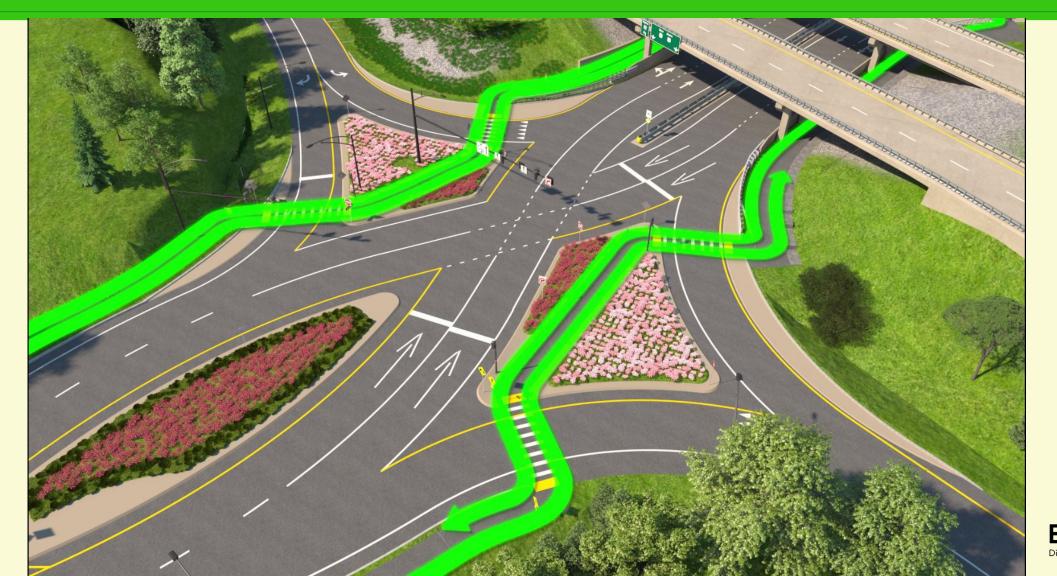


DDI Traffic Flow (0:42)





Bicycles and Pedestrian Flow





Project Construction

- 1st Construction Contract (2022)
 - Utility Relocation
 - -Buried Waterline
 - -Buried Telecommunication Duct
 - -Buried Gas Lines
 - Retaining Walls Under Interstate Bridges
 - Potential Ledge Removal*
 - Potential Stormwater and Drainage Infrastructure
 - ALL within existing State ROW

Night Work = 7:00 PM - 6:00 AM

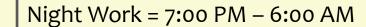


Daytime roadway work will NOT be allowed; all traffic lanes must be open by **6:00 AM**



Project Construction

- 2nd Construction Contract (2023+)
 - Roadway Work
 - Drive accesses, ramps, will be open





Daytime <u>roadway</u> work will NOT be allowed; all traffic lanes must be open by <u>6:00 AM</u>

- If a drive needs to be temporarily closed short-term, an alternate ingress/egress will be provided
- Night-time noise
 - The contractor will be required to under utilize noise reduction mitigation measures. FHWA Construction Noise Handbook.
- 3rd Construction Season (if needed)
 - Landscaping, Clean-up





Project Status

Permitting:

- Completed! Act 250, Operational and Construction Stormwater, Wetlands Right-of-Way:
- Necessity (Condemnation) Hearing April 29th and 30th 2021
 - 8 parcels and 2 lessees.
 - 5 parcels attempting to sign before Hearing

Construction:

- Contract 1 Bid Advertisement 15 April 2022
- Contract 1 Awarded 15 May 2022
- Potential Groundbreaking 15 June 2022 (not earlier)



Public Outreach

WSP, Inc.

- Public Outreach during Preliminary Engineering and throughout Construction.
- Maintains E-Mail Distribution List
- Developed Website, Pamphlets, and staffs a 24-7
 Toll-Free Hotline
- Education!
 - Videos, Animations, Interactive Map









Public Outreach: Website



Vermont's First Diverging Diamond Interchange

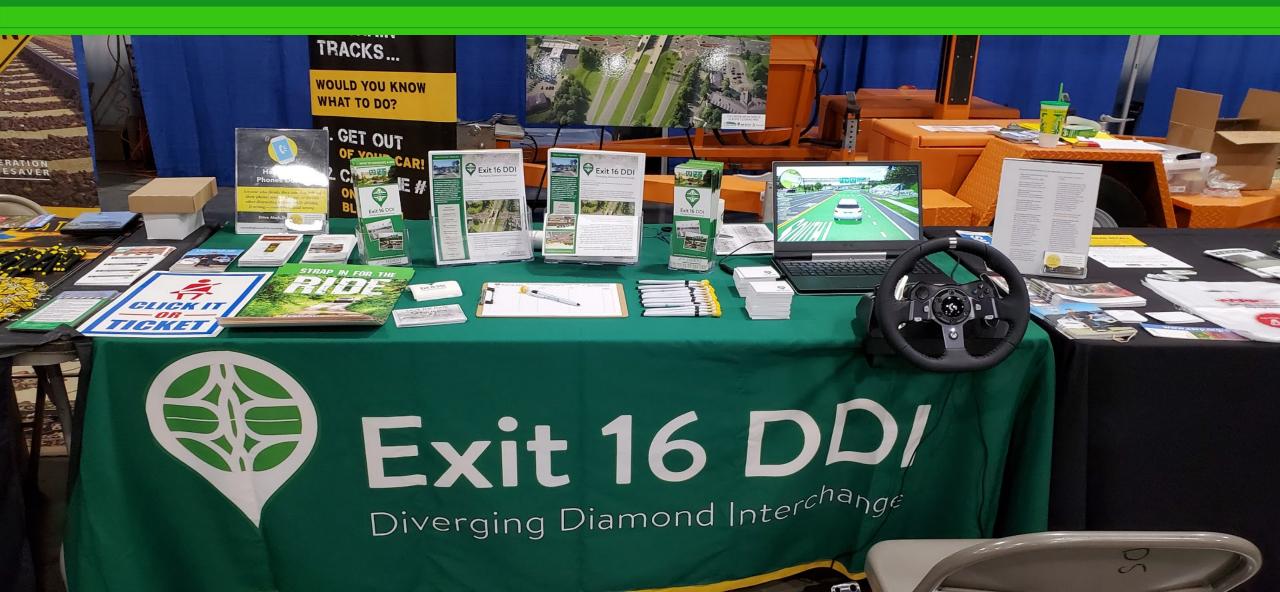


The Vermont Agency of Transportation (VTrans) is improving the roadway along the US Routes 2/7 corridor, in the vicinity of I-89 Exit 16, to enhance mobility and safety in Colchester, Vermont. The project area extends from in the Colchester-Winooski town line north for approximately 1 mile to just beyond the intersection of Sunderland Woods Road at US Route 2/7. The core of the project is to reconfigure the existing tight diamond interchange to a Diverging Diamond Interchange at I-89 Exit 16.





Public Outreach: Booth & Simulator



Public Outreach: Simulator





Public Outreach: Simulator





Public Outreach: Simulator





Public Outreach: Quarterly Newsletter



Vermont Agency of Transportation <info@exit16ddi.vtransprojects.vermont.gov>
To O Makhetha, Delia A.

← Repl

≪ Reply All

→ Forward

Wed 3/10/2021 10:17 AM





Exit 16 DDI news & updates

Winter 2021

Table of Contents

Interactive Map

View the new interactive project map.

Updated Schedule

Learn more about the updated project schedule.

Frequently Asked Questions

See the latest FAQ additions

DDIs during the winter

Roadway maintenance during snowy weather.

Project Resources

Project Factsheet Project Brochure Project Video



Updated Project Schedule Now Available

The Exit 16 DDI Project continues to progress. An updated project schedule is now available.

The bid advertisement and the contract award will take place in Spring 2022. Once awarded, phase one of construction can be begin and will include utility relocation, ledge removal, and the construction of a retaining wall and shared-use path. Phase two is set to begin in 2023 and includes construction of the new DDI.

We encourage you to visit the <u>project website</u> for more information.



Exit 16 DDI Project

Stay Involved





Visit the Project Websites:

https://vtrans.vermont.gov/projects/burlington-roundabout https://exit16ddi.vtransprojects.vermont.gov



Email Us:

<u>info@shelburnestreetroundabout.com</u> <u>info@exit16ddi.vtransprojects.vermont.gov</u>



Call the 24-Hour Project Hotlines:

802-496-8956 (Shelburne Street) 802-595-4399 (Exit 16)