

Colchester Selectboard
Outer Bay Conference Room
September 24, 2019



Today's Overview

- Project Scope
- See it in Action!
- Project Status/Schedule
- Special Finale!



US Routes 2/7 Looking North in 1961-2.

Scope: US Routes 2/7 – Roosevelt Highway



US Routes 2/7 Corridor – 1.05 miles

Includes:

- South Park Drive/Highpoint Ctr.
- I-89 Exit 16
- Mountain View/Lwr. Mtn. View Drives
- Hercules Drive
- Rathe Road/Champlain Drive
- Sunderland Woods Road
- Tigan Street (Winooski):
 - Traffic Signal Only

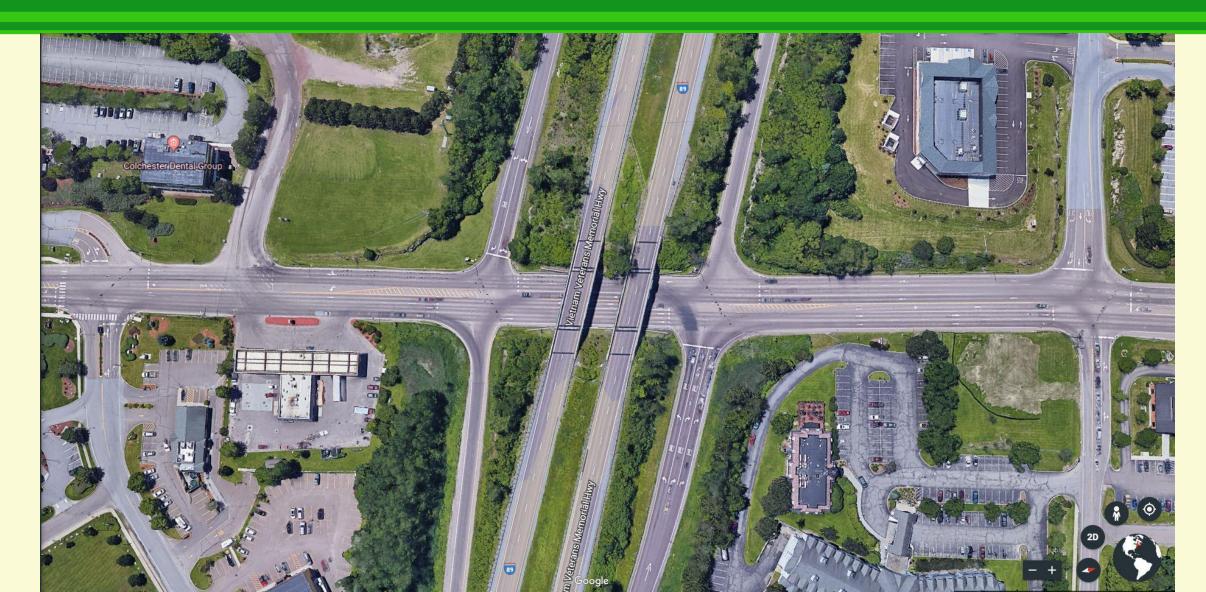
Roosevelt Highway's Problems

- 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
- Interchange Bridges' Condition
 - Good; Does 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 Reconfiguration



I-89 Exit 16 Diverging Diamond Interchange



Colchester HES NH 5600(14) Benefits

In over 100 Diverging Diamond Interchanges in the U.S., states have experienced:

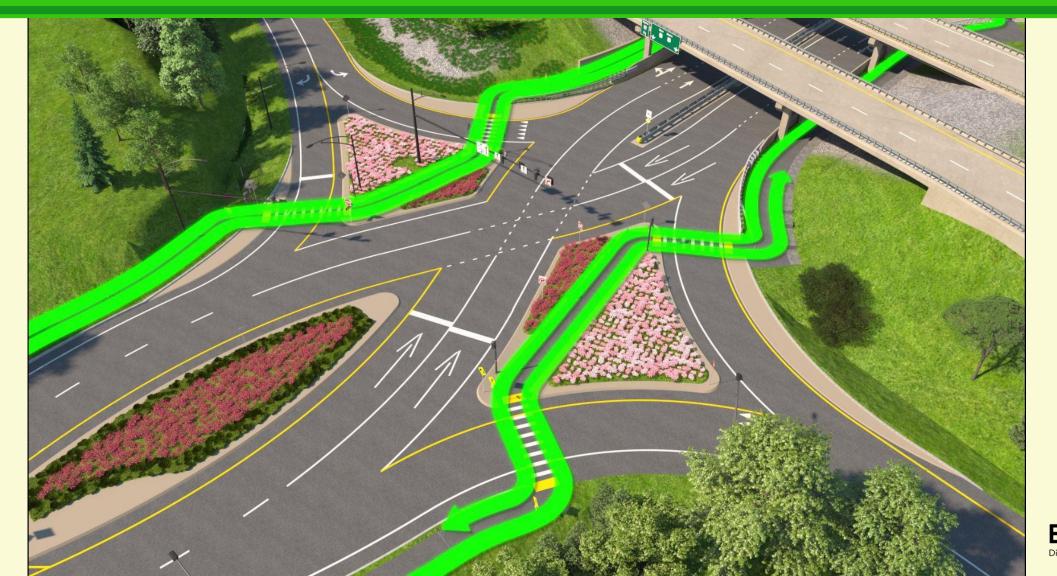
- Over 60% reduction in crashes
- Over 50 % increase in vehicular throughput
- Sarasota, Florida
 - Built their DDI at I-75 @ University Parkway
 - 5 x 5 DDI
 - In the first year since opening:
 - -50% crashes
 - -40 travel time delay
- Testament: 29 DDIs currently under construction; another 140 planned! (Including 3 in Alaska!)

DDI Traffic Flow (1:05)



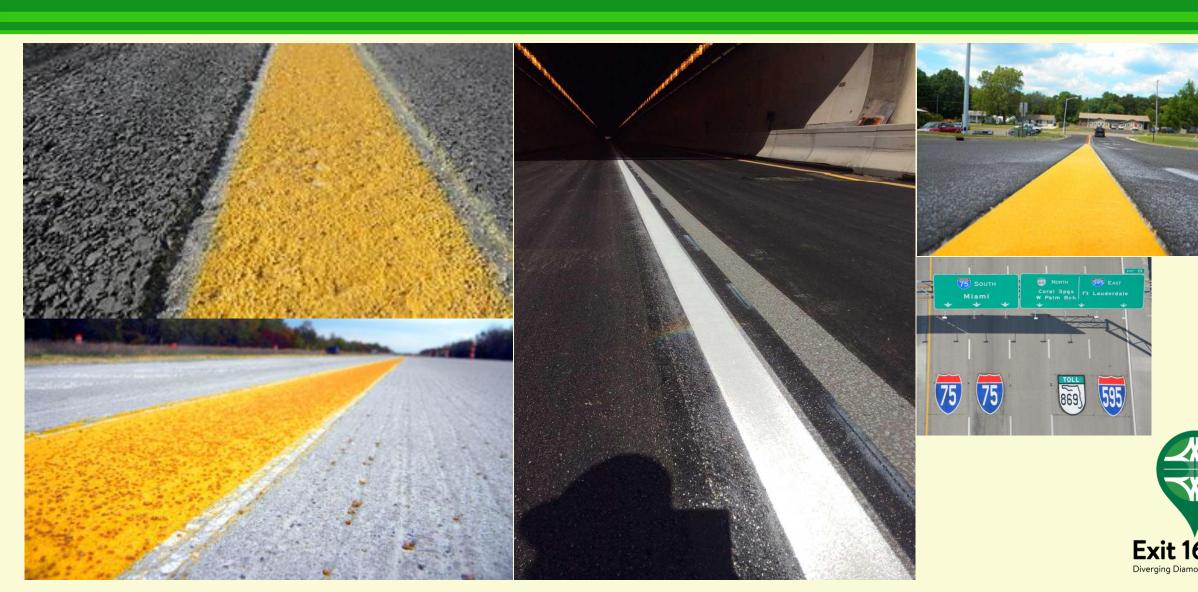


Bicycles and Pedestrian Flow

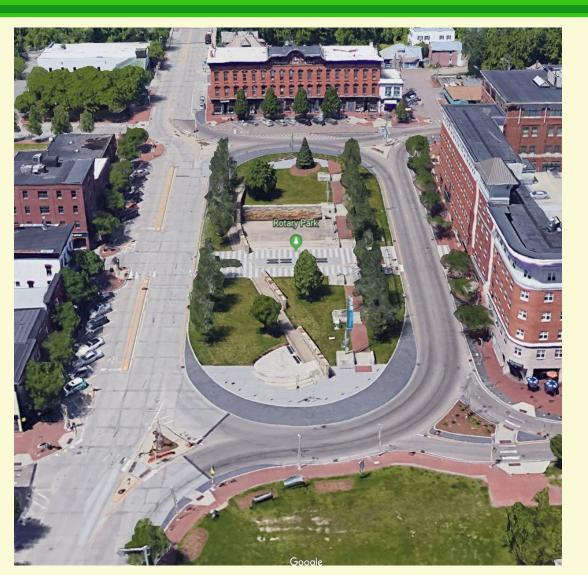




Robust Pavement Markings



The Winooski Circulator...



"People Can't Figure Out the Winooski Circulator..."

Circulator

- Yield Conditions
- Higher Speeds, straightaways
- Sight Distance, Grade
- Weird Side Streets,
 Parking Areas
- Ped Crossings are at unexpected locations

Summary: There's a lot of decisions to make and lot of obstacles to be mindful of at the Circulator.

DDI

- Traffic Signal
 - Stop-Go-Stop-Go
 - No Choices/Decisions to make
- Focused Sight Distance, No Grade
- No Side Streets or Parking
- Ped Crossings are at predictable locations

Summary: More fluid, less decisions to process.



Project Status

- Final Plans Approved 31 December 2019
- ROW Acquisitions Completed 01 February 2020
- Bid Advertisement 15 February 2020
- Contract Award 15 March 2020
- Potential Groundbreaking 15 May 2020 (not earlier)

Permitting:

- Supreme Court remanded Act 250 permit back to Env. Court
 - What that means for timeline: TBD



Project Construction

- 1st Construction Season
 - Utility Relocation
 - -Buried Waterline
 - -Buried Telecommunication Duct
 - -Aerial Electric and Telecommunications
 - -Buried Gas Lines
 - Potential Ledge Removal*
 - Potential Stormwater and Drainage Infrastructure

*Ledge Removal will be required to be done during the day.

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

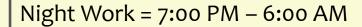


Daytime roadway work will NOT be allowed; all traffic lanes must be open by **6:00 AM**

vTrans
construction staff
reserves the right
to modify how
traffic flows and is
managed based on
real-time
conditions.

Project Construction

- 2nd Construction Season
 - Roadway Work
 - Drive accesses will be open
 - 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



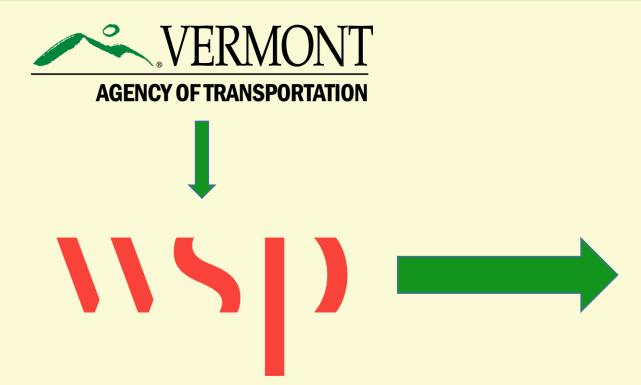


Daytime <u>roadway</u> work will NOT be allowed; all traffic lanes must be open by <u>6:00 AM</u>





Public Outreach



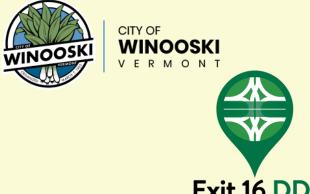
Stakeholders











Public Outreach



Information

- Project Scope
- Project Timeline & Schedule
- Construction Activities

Education

- Animations
- Videos
- Narratives
- Driving Simulator

Public Meetings, Event Booths, Website, Phone Hotline



Follow VTrans on Social Media







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Twitter: @AOTVermont

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YouTube: VTransTV

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Stay Involved



Visit the project website:

www.Exit16DDI.Vtransprojects.Vermont.gov



Email Us:

info@Exit16DDI.VTransprojects.Vermont.gov

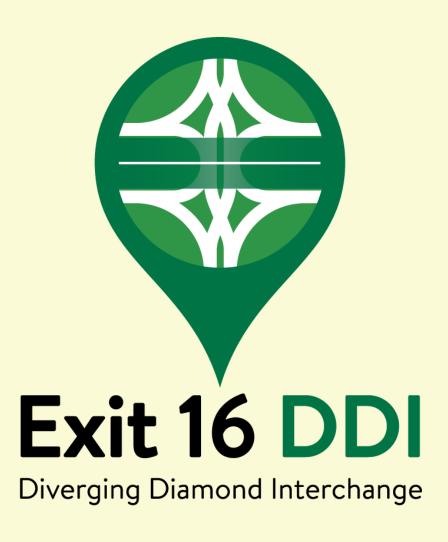


Call Our 24-Hour Project Hotline:

802-595-4399



Questions?



It's Time to Drive!

