US 4 Corridor Plan
(Hartford to Woodstock)

VTrans Internal Kick Off Meeting
6/20/2022

Corridor Planning
VERMONT AGENCY OF TRANSPORTATION
What is a Corridor Plan?

What are we doing?

• Identify next steps that can be implemented in the next few years while VTrans or other partners are already doing work along the roadway— for example as part of maintenance activities or existing paving or bridge projects.

• Identify longer-term needs where more background work is needed first – such as finding funding, developing partnerships, or doing more research to identify an appropriate solution.

Where do we get information?

• VTrans data and staff

• Partners – staff at other state agencies, towns, Regional Planning Commissions or other similar entities who can identify issues along the corridor, and may also be a partner in helping to address some of the issues.

• Public – people and groups who use the corridor, including businesses, residents, and advocacy groups
US 4 – Hartford to Woodstock
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• **13.4 miles**
  • Class 1 Town Highway in Hartford to Class 1 Town Highway in Woodstock

• **3 Towns**
  • Hartford, Hartland, Woodstock

• **District 4**

• **Ottauquechee River**
  • Quechee Gorge

• **I-89 Entrance / Exit Ramps**

• **Former rail (in parts)**

• **Upcoming Project**
  • Woodstock-Hartford NH 020-2(51) 21D364
    • Class 1 Town Highway to I89 NB Ramp
Traffic Volumes - Quechee Gorge Bridge (1/2)

Annual
- Steady 2017-2019
- Covid Plunge
- Not back to previous levels (yet)

Monthly
- Tourism
- Summer Peak to Leaf Season
- Stick Season plunge
- Winter and Spring Climb
Daily

- Tourism (and more?)
- Weekly crescendo

Hourly

- No AM / PM Rush
- Peaks at 3-4PM
January 2018 - December 2021
• 264 crashes
• No fatalities
  • Centerline rumble stripes (2012/2013)

Hot Spots
1. Rt. 12
2. Waterman Hill Rd / Hartland-Quechee Road*
3. Quechee Gorge Bridge
4. I-89 Ramps
Problems – Commercial Vehicles

• Critical E / W corridor in the State
  • 11% of AADT in 2021

• Issues in Class 1 Town Highway in Village of Woodstock
  • Mitigated through geometric changes

• Commercial vehicle permit requirement expired
  • Commitment to continued monitoring
Problems – Erosion

- Proximity to Ottauquechee River
  - Steep slopes
  - Evolving river channel
  - Repairs complicated and costly
• Steep terrain requires many culverts
  • East end of corridor culverts can have up to 50 ft of fill
    • Maintenance burden
    • How to replace?
    • Alternatives?

• Maintenance / Replacement on high volume corridor

• Expected maintenance / replacement requirements in coming years
US 4 / US 5 Intersection – Two Projects

HARTFORD NH PS24(3) 19V443

• Scope
  • Resurfacing along US 5 on the NHS portion between mm 2.81 to mm 3.875
  • Traffic Calming
    • Single Lane in each direction
    • Bike lane
    • Eliminate slip from Rt.5 to Rt.4

• Timeline
  • Design – 2022-2023
  • Construction – 2024
  • Completion – 2024

• Additional Information
  • PM – Matt Bogaczyk

HARTFORD NH 020-2(44) 17T048

• Scope
  • HSIP improvement project to the intersection of US5 and US4, town mm 3.53 and US 4 in Hartford.
  • Full depth reconstruction of the roadway
    • Construction of a roundabout
    • Installation of a shared-use path
    • Sidewalks
    • Drainage, lighting and other related roadway items.

• Timeline
  • Design – 2022-2025
  • Construction – 2026
  • Completion – 2027

• Additional Information
  • PM – Taylor Sisson
US 4 / US 5 Intersection – Two Projects
HARTFORD (QUECHEE) NH 020-2(45) 17B082
Quechee Gorge

• **Scope**
  • Bridge rehabilitation and approach roadway improvements.

• **Timeline**
  • Design – 2017-2022
  • Construction - 2023
  • Completion - 2026

• **Additional Information**
  • PM – JB McCarthy
WOODSTOCK-HARTLAND NH FPAV(50) 21V076

• **Scope**
  - District paving on US 4 from Class 1 Town Highway in Woodstock to Hartland Town line
    - Fine-milling and resurfacing the existing highway
    - Guardrail improvements,
    - Pavement markings and other related highway items

• **Timeline**
  - Start – April 2022
  - Completion – October 2022

• **Additional Information**
  - PM – Matt Bogaczyk
Next Steps

• Anything missing?
  • Communication
    • Existing community concerns?
    • Groups to speak with?
  • Planning
    • Additional projects?
    • Bicyclists / Pedestrians
      • Lack of shoulders?
      • High Priority Corridor
      • Level of Comfort?
      • Alternate Routes?
    • Development?

• Timeline
  • Summer 2022 (July / August)
    • Story Map
    • Survey Development
    • July RPC TAC
    • Begin External Outreach
  • Fall 2022 (September / October)
    • Continued Outreach
    • Survey Deployment / Tabulation
  • Early Winter 2022 (November, December)
    • Study Completion
Appendices – 2019 – ADT Quechee Gorge (1/2)
Appendices – 2019 – ADT Quechee Gorge (2/2)
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