



Plymouth, Bridge 9



Plymouth, Bridge 4



Plymouth, Bridge 7



Plymouth, Bridge 108



Plymouth, Bridge 112



Bridgewater, Bridge 116

# WE12 - Plymouth VT Route 100 and 100A Public Informational Meeting VT Route 100 and 100A – Bridges 4, 7, and 9; Bridges 108, 112, and 116

November 18, 2024



# Introductions

**Rob Young, P.E.**

VTrans Consultant Project Manager

**Tom Knight, P.E.**

Principal Transportation, Stantec

**Gary Laroche, P.E.**

VTrans Structures Project Manager

**Leah Beckett**

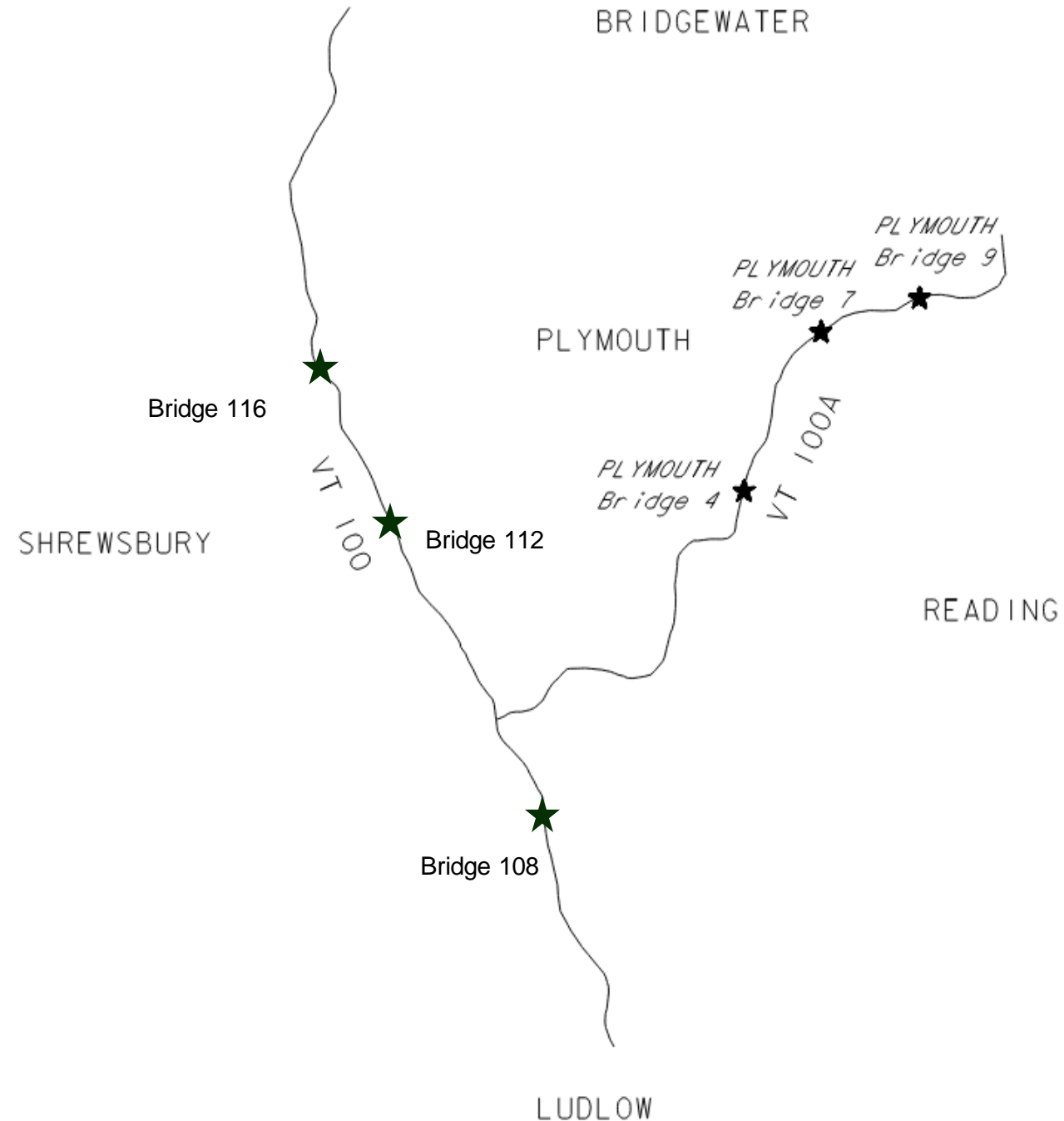
Engagement Specialist

# Purpose of Meeting

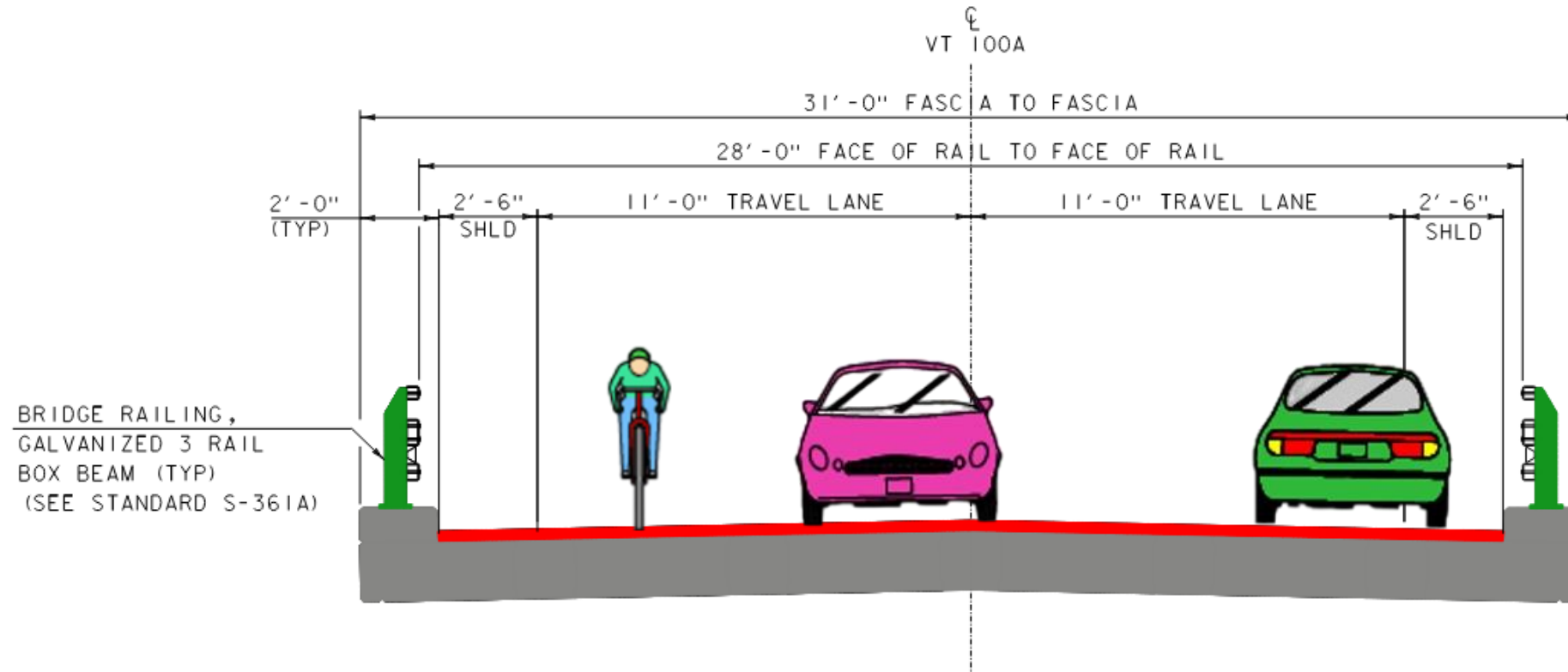
- Provide an understanding of our approach to the project
- Identify current efforts and anticipated schedule
- Provide an opportunity to ask questions and voice concerns
- Purpose of projects and why we are here
  - ER projects resulting from the July 2023 rain event widespread damage
  - The bridge replacement projects will provide hydraulically adequate resilient solution to the identified VT100A and VT100 locations that will minimize impacts to traffic during future storm events

# Location Map

- PLYMOUTH ER P23-1(327), VT Route 100A, Bridge 4 over Pinney Hollow Brook.
- PLYMOUTH ER P23-1(328), VT Route 100A, Bridge 7 over Pinney Hollow Brook.
- PLYMOUTH ER P23-1(317), VT Route 100A, Bridge 9 over Pinney Hollow Brook.
- PLYMOUTH ER P23-1(333), VT Route 100, Bridge 108 over Money Brook
- PLYMOUTH ER P23-1(332), VT Route 100, Bridge 112 over Tinker Brook
- BRIDGEWATER ER P23-1(302), VT Route 100, Bridge 116 over Reservoir Brook



# Proposed Typical Section





## **Plymouth ER P23-1(327)**

**VT Route 100A – Bridge #4 over Pinney Hollow Brook**

Bridge #4



Looking North



## Post Flood & Existing Conditions

- Roadway Classification – Rural Major Collector
- Bridge Type – Single Span, Concrete Slab
- Structure Length – 22'
- Ownership – State Highway Agency
- Constructed in 1947, Reconstructed in 1975

# Existing Conditions



Abutment 2



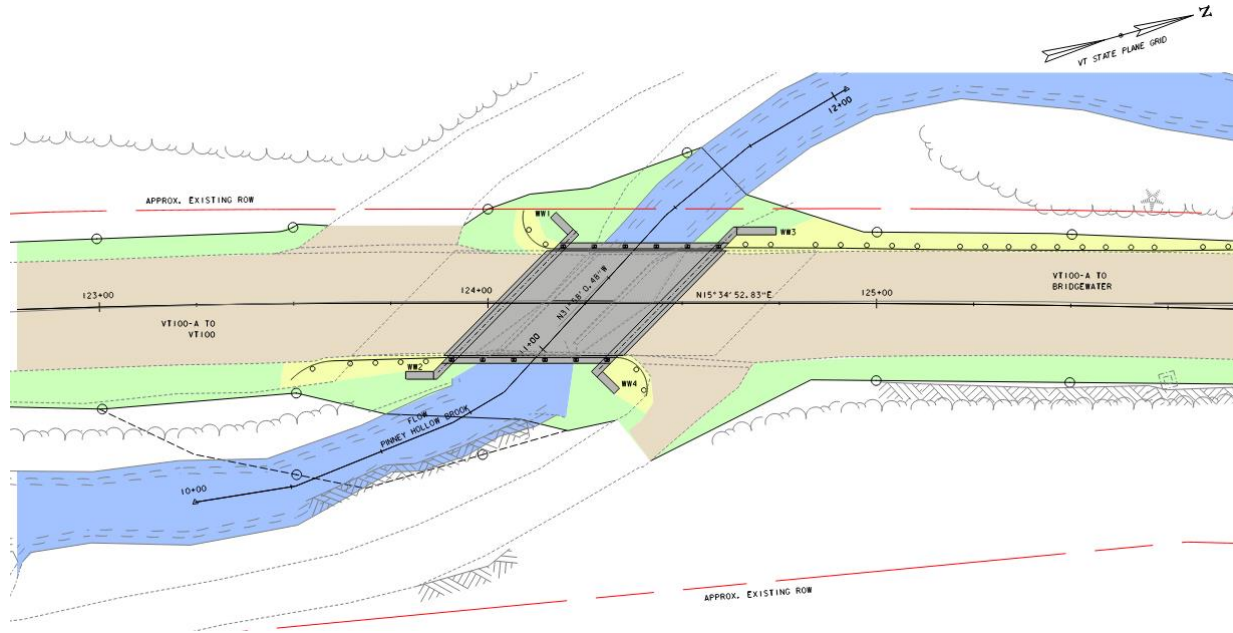
Abutment 2 Upstream



Abutment 2 Downstream

## Bridge #4

# Proposed Layout



## Full Bridge Replacement

- 51' Span Length
- 31' Out-to-Out Deck Width
- Stream to be re-established back to natural state

## Preliminary Project Schedule

- Construction Start – 2027



**Plymouth ER P23-1(328)**  
**VT Route 100A– Bridge #7 over Pinney Hollow Brook**

Bridge #7



Looking East



## Existing Conditions

- Roadway Classification – Rural Major Collector
- Bridge Type – Single Span, Concrete Tee Beam
- Structure Length – 32'
- Ownership – State Highway Agency
- Constructed in 1947, Reconstructed in 1975

# Existing Conditions



Underside of Deck



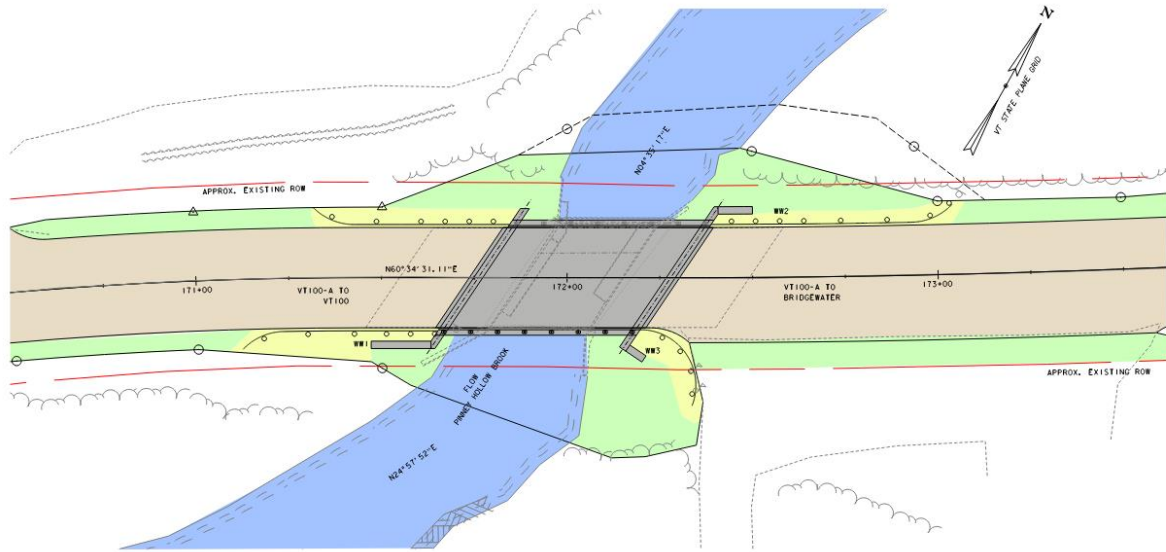
Abutment 2 Downstream



Abutment 1 Downstream

## Bridge #7

# Proposed Layout



## Full Bridge Replacement

- 11' lanes
- 2.5' shoulders
- 52' Span Length, 31' Out-to-Out Deck Width
- Stream to be re-established back to natural state

## Preliminary Project Schedule

- Construction Start – 2027



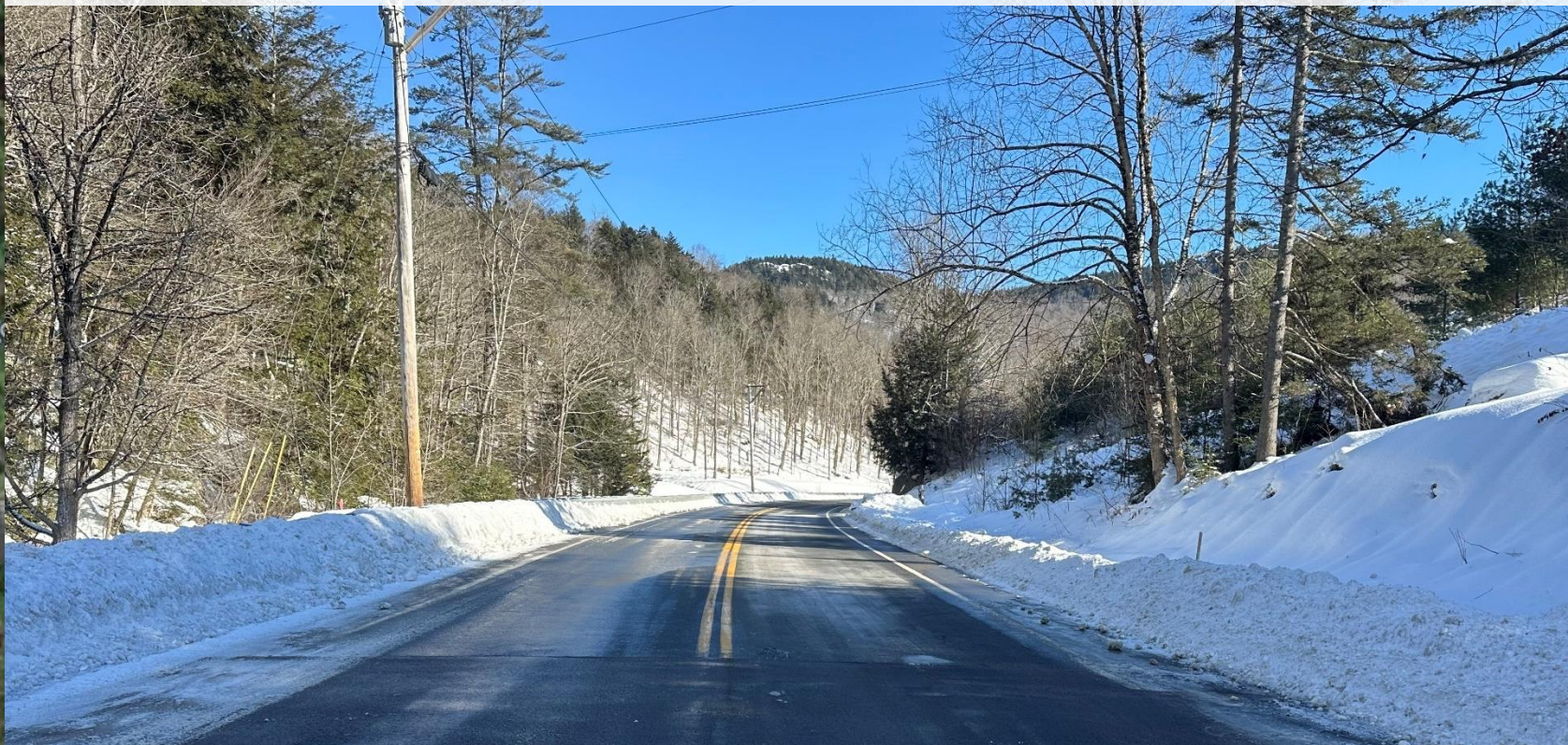
**Plymouth ER P23-1(317)**  
**VT Route 100A– Bridge #9 over Pinney Hollow Brook**

Bridge #9



Bridge #9  
Project Location

Looking East



## Existing Conditions

- Roadway Classification – Rural Major Collector
- Bridge Type – Single Span, Concrete Slab
- Structure Length – 31'
- Ownership – State Highway Agency
- Constructed in 1984

# Existing Conditions



Underside of Deck



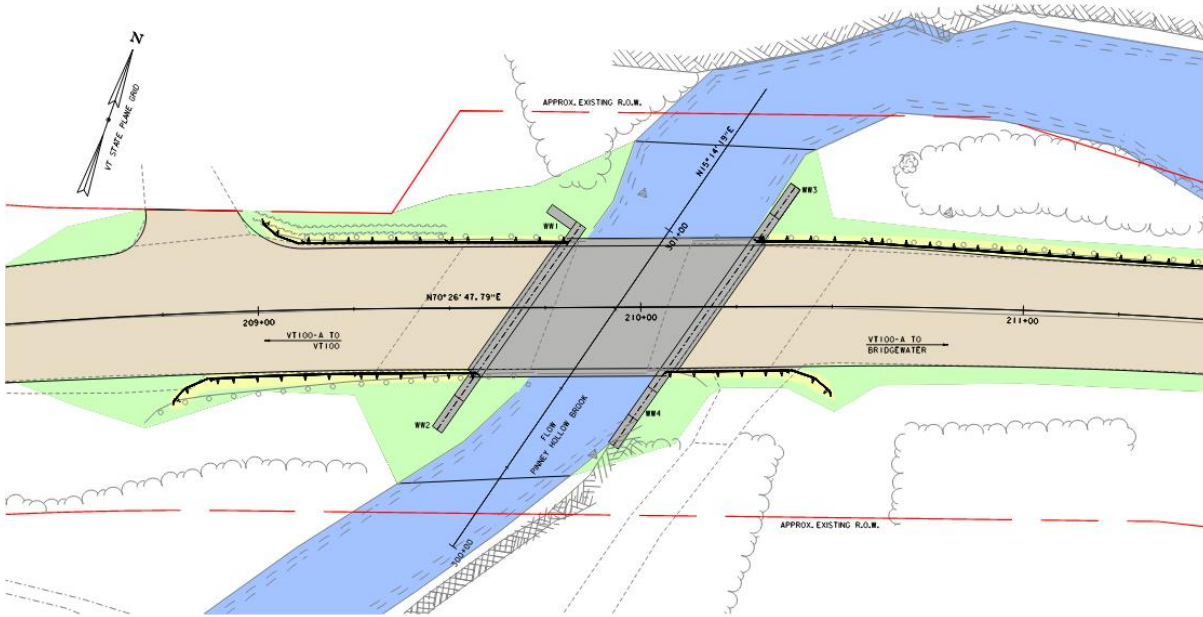
Abutment 2 Downstream  
Wingwall



Abutment 2 Downstream

## Bridge #9

# Proposed Layout



## Bridge Replacement with a New Bridge

- 49' Span Length
- 36' Out-to-Out Deck Width

## Preliminary Project Schedule

- Construction Start – Summer 2025

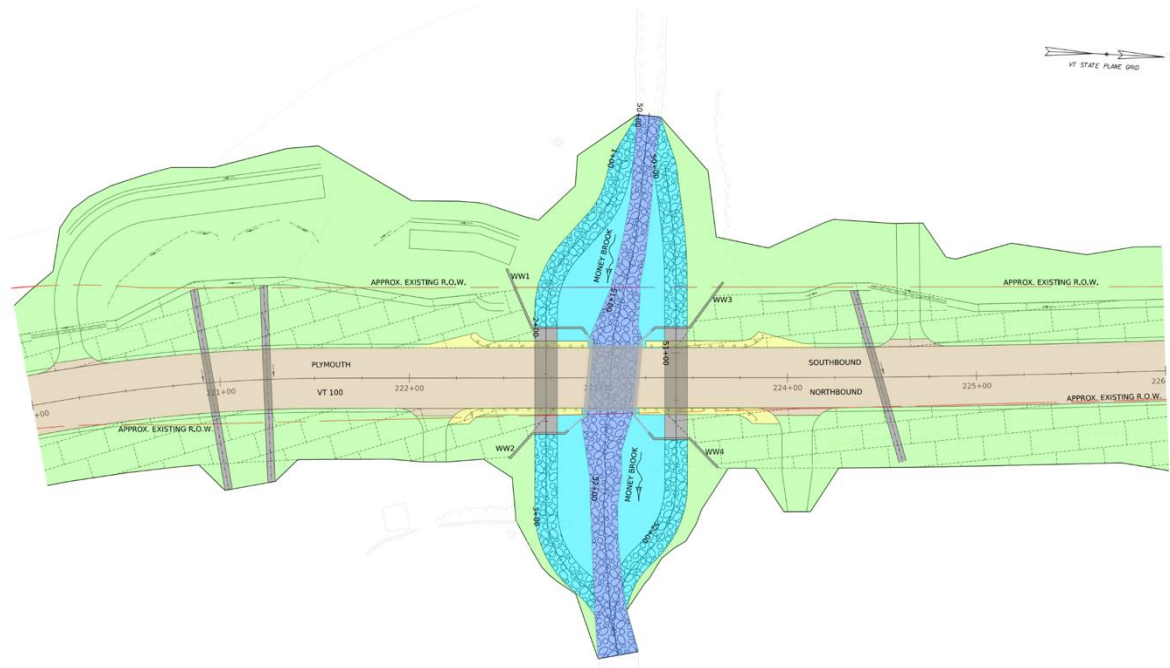


Plymouth ER P23-1(333)  
VT Route 100 – Bridge #108

# Existing Conditions & Post Flood Condition



## Proposed Layout



### Bridge Replacement with a New Bridge

- Expanding waterway opening with additional culverts
- 24' Span Length (Existing)
- Adding Two 12' span box culverts.
- Stream opening to be widened
- Roadway fill slopes to be reinforced to reduce storm damage

### Preliminary Project Schedule

- Construction Start – Summer 2027



# Plymouth ER P23-1(332)

VT Route 100 – Bridge #112

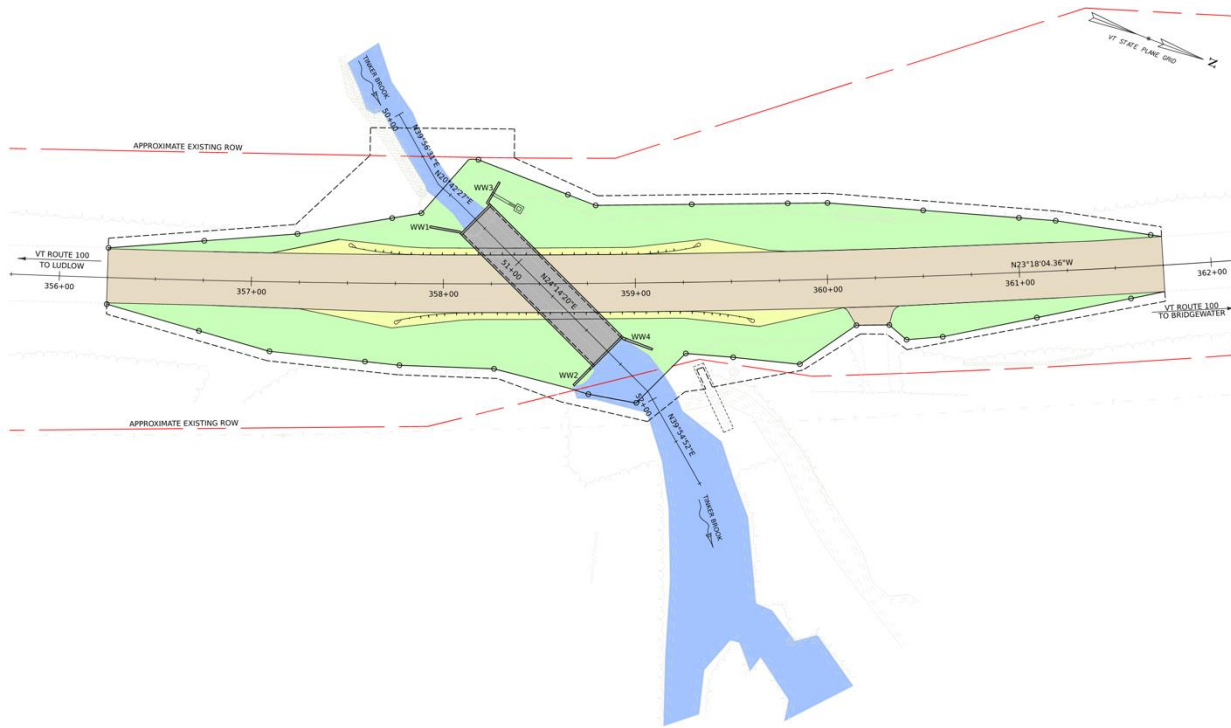
Bridge #112

# Existing Conditions



Bridge #112

## Proposed Layout



### Bridge Replacement with a New Bridge

- 20' Span Box Culvert with Natural Stream Bottom replacing and existing 11 ft x 7 ft pipe arch

### Preliminary Project Schedule

- Construction Start – Summer 2026



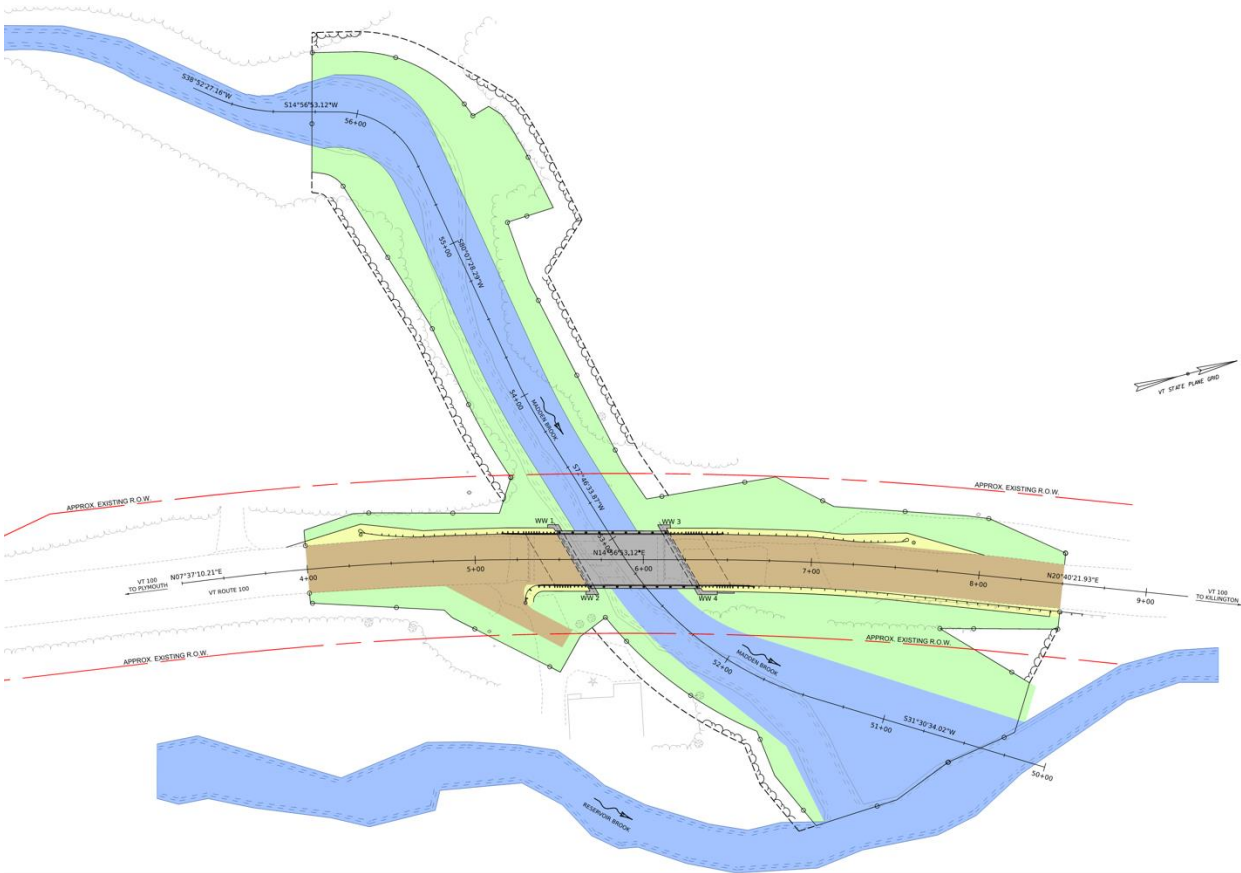
**Bridgewater ER P23-1(302)**  
**VT Route 100 – Bridge #116**

Bridge #116

# Post Flood & Existing Conditions



## Proposed Layout



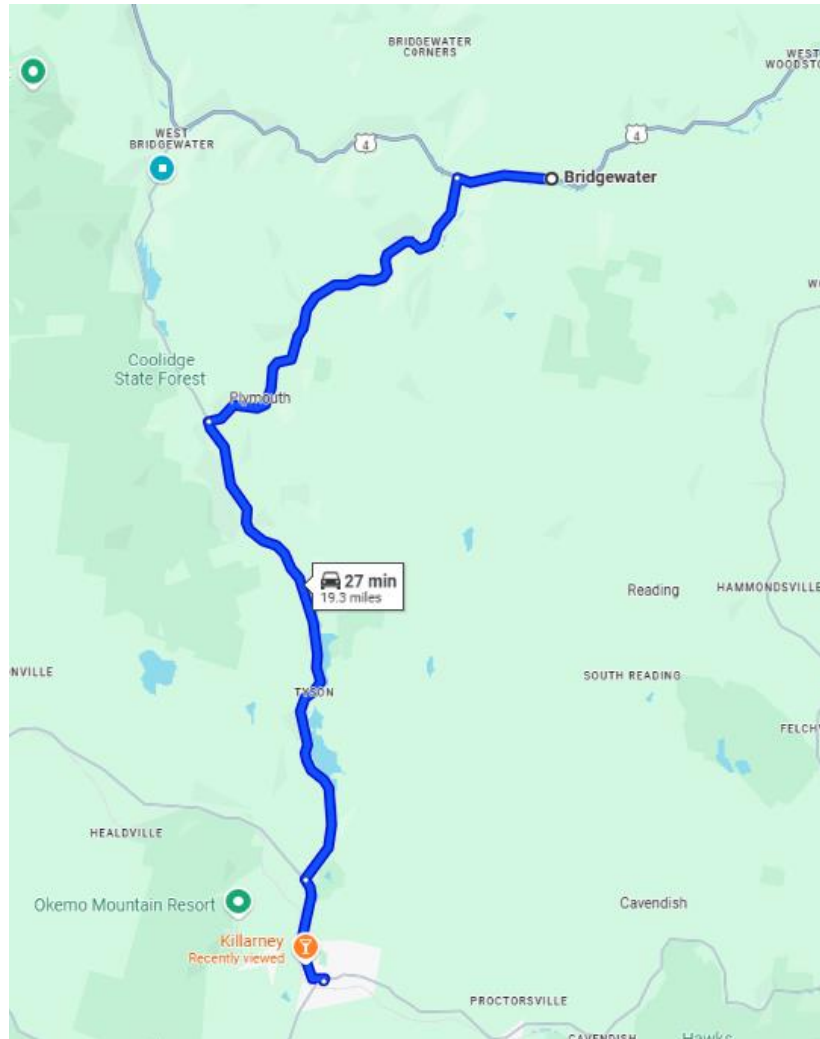
## Bridge Replacement with a New Bridge

- Replace temporary bridge
- 60' Span Length, 34' Out-to-Out Deck Width
- Stream to be re-aligned and given much more room to carry sediment.

## Preliminary Project Schedule

- Construction Start – Summer 2026

# 2027 VT 100A Closures – Added Time of Travel



**No Detour**  
27 Minutes

Plymouth Bridge 7  
Closed 28 Days  
Summer / School Break  
2027

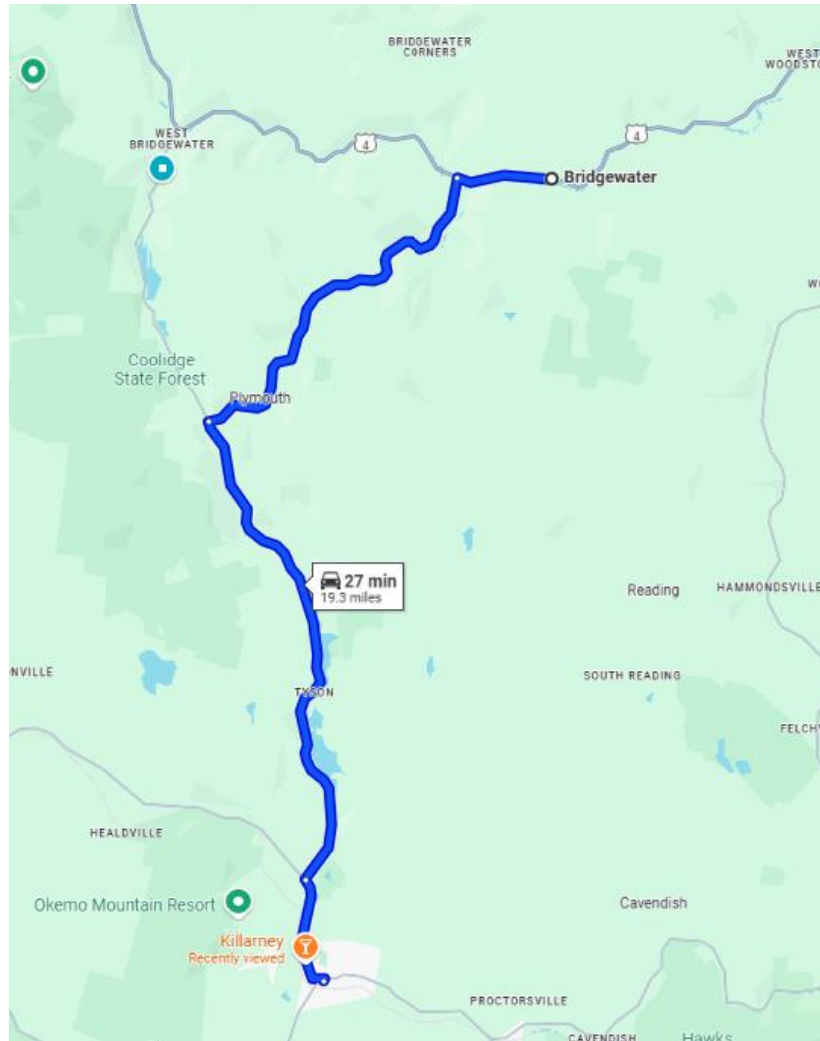
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Plymouth Bridge 4  
Closed 28 Days  
Summer / School Break  
2027



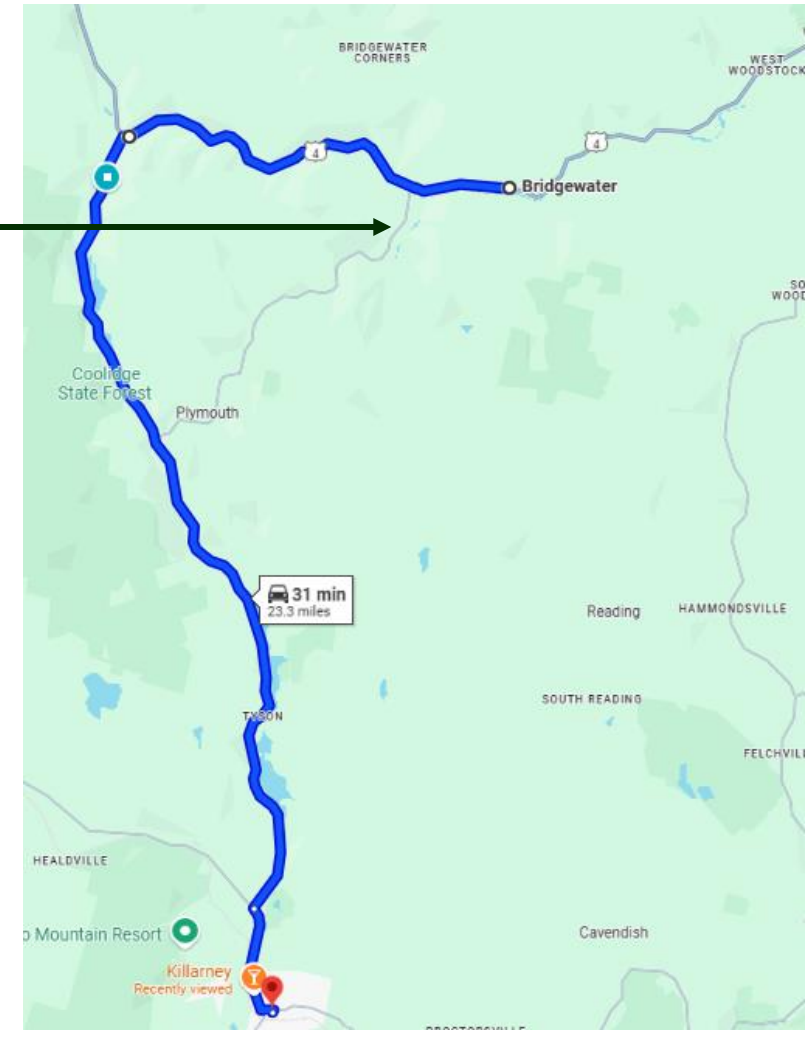
**Detour Via US4 & VT 100**  
31 minutes

# 2025 VT 100A Closures – Added Time of Travel



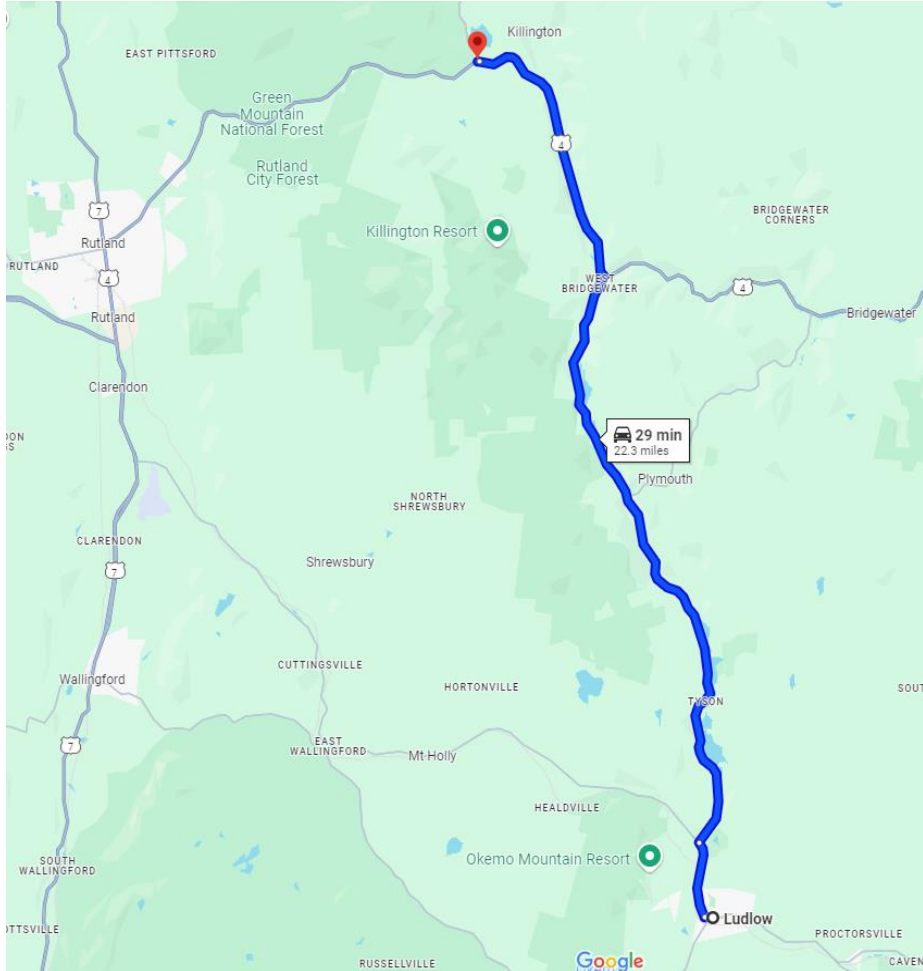
**No Detour**  
27 Minutes

Plymouth Bridge 9  
Closed 45 Days  
Summer / School  
Break 2025



**Detour Via US4 & VT 100**  
31 minutes

# 2026 VT 100 Closures – Bridges 112 & 116

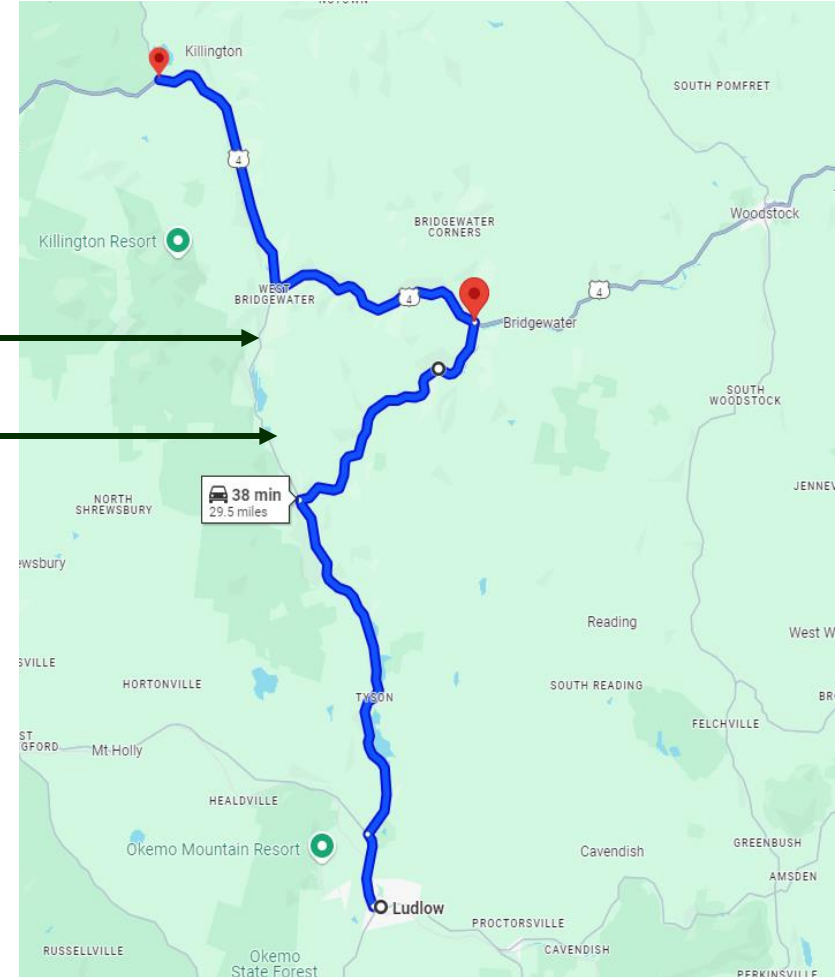


**No Detour**  
29 Minutes

BR 116 - Madden Brook  
Closed 45-60 Days  
2026

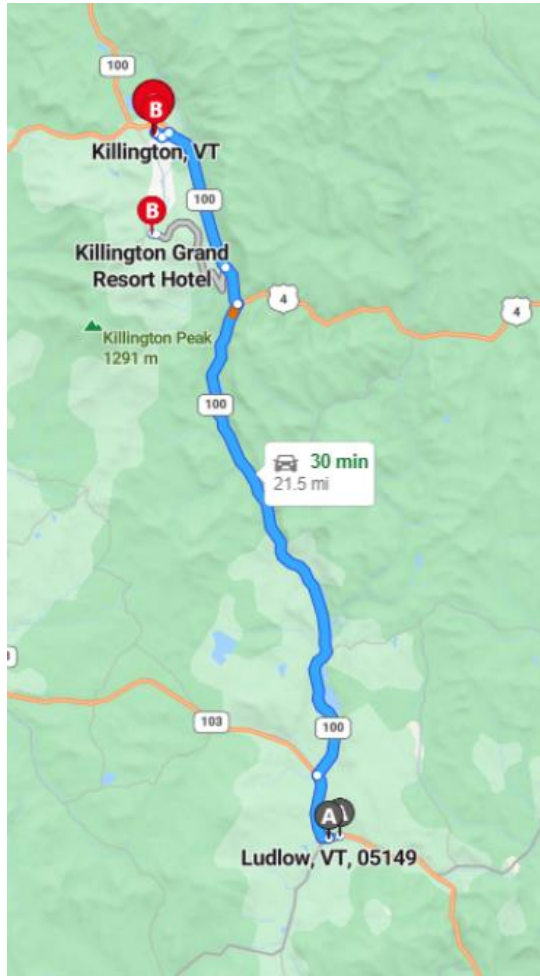
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BR 112 - Tinker Brook  
Closed 7-14 Days  
2026

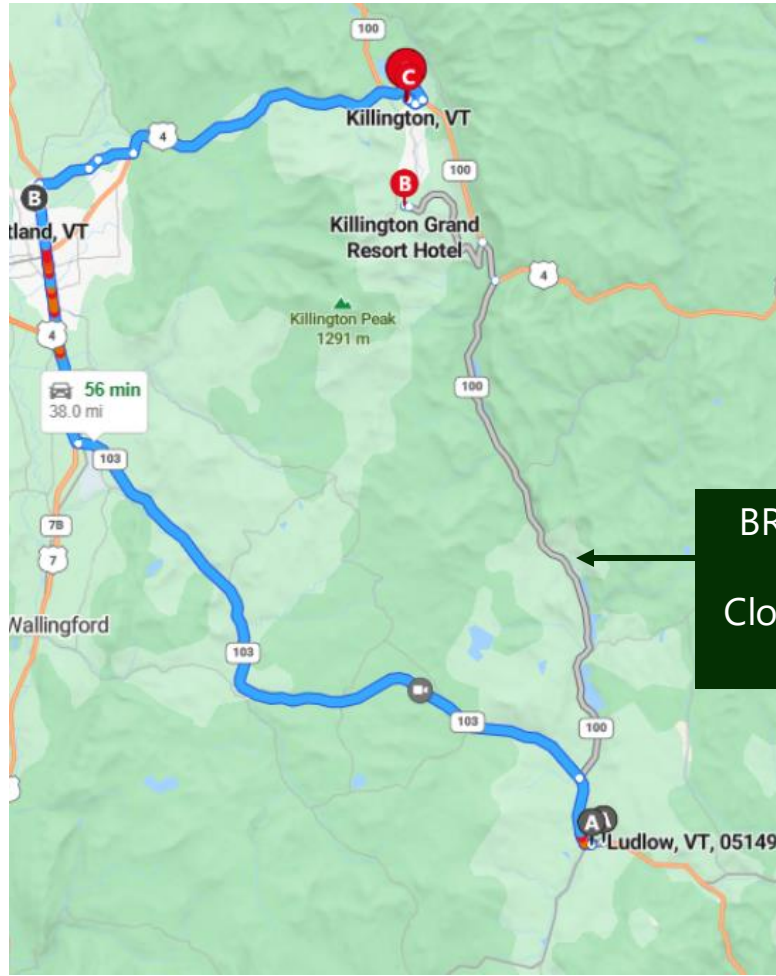


**Detour Via VT 100A**  
38 minutes

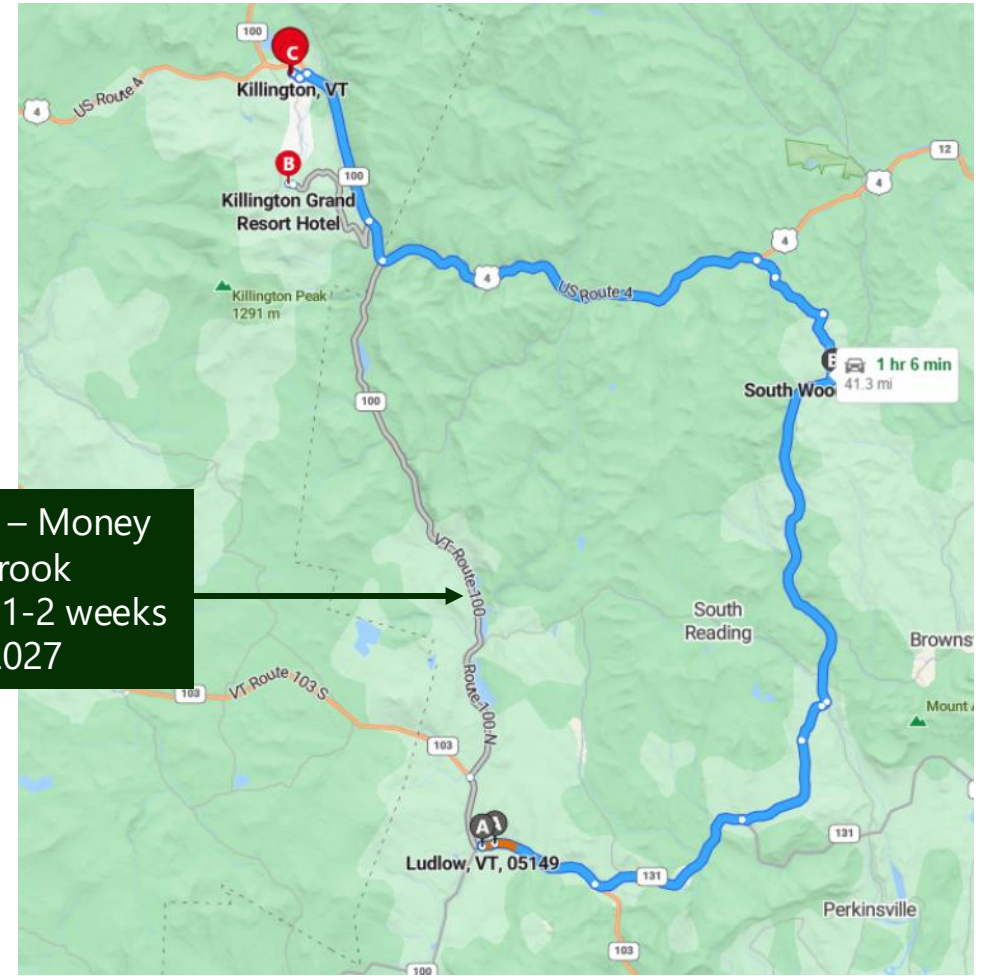
# 2027 VT 100 Closure – Bridge 108



**No Detour**  
30 Minutes



**Detour through Rutland**  
56 minutes



**Detour through So. Woodstock**  
1 hour 6 min.

BR108 – Money Brook  
Closed 1-2 weeks  
2027

# Construction Outreach

- Email Project Updates sent to stakeholder list
  - Project Announcements
  - During active construction:
    - Weekly Construction Updates
    - Supplemental Traffic Alerts
- Outreach to municipal officials and businesses
- Maintain a regional events calendar
  - Seeking feedback for local events

## Contact for the Project Team:

Leah Beckett

Public Information Consultant

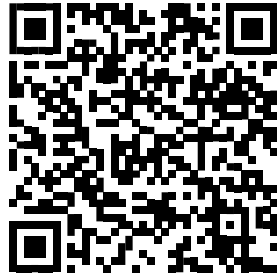
[lbeckett@fhstudio.com](mailto:lbeckett@fhstudio.com)

801-734-4119

# Public Outreach – Links to Fact Sheets



[Bridge 4](#)



[Bridge 7](#)



[Bridge 9](#)



[Bridge 108](#)



[Bridge 112](#)



[Bridge 116](#)

## Questions and Next Steps

- For more individualized presentations, will hold plan review process with town