

VT 14 East Montpelier Bridge Project Informational Meeting

April 26th , 2016



VT14 Bridge
EAST MONTPELIER



Welcome & Introductions

VTrans

- Mark Sargent
- Wayne Symonds

Project Consultant - Design

- Tom Knight, Stantec Consulting Services, Inc.

Project Consultant – Outreach & Communications

- Jill Barrett, Fitzgerald & Halliday, Inc.



Agenda

1. Project Description, Need & Goals
2. Project Status And Schedule
3. Impacts To Community And Traveling Public
4. Project Communication
5. Questions & Comments



1. Project description, need & goals



What is the project?

- Replacement of VT 14 bridge over Winooski River in village of East Montpelier
- Reconstruction of 900 feet of US 2 in vicinity of the bridge



VT14 Bridge
EAST MONTPELIER

 VERMONT
AGENCY OF TRANSPORTATION

Why is the project needed?

The bridge is...

- Nearing the end of its design life

The VT14/US2 intersection ...

- Meets multiple criteria for safety improvements



VT14 Bridge
EAST MONTPELIER

Project goals

- Improve safety and mobility
- Minimize disruption to travelers and businesses
- Use cost effective and efficient methods
- Replace the bridge with a low a maintenance structure



What are the major challenges?

- Coping with major constraints
 - Narrow village setting
 - Heavy traffic volumes inhibit construction
 - Complex roadway rebuild
- Minimizing community impacts
 - On residents
 - On businesses
 - On school bus routes
 - On emergency responders
 - On travelers – local & regional



A complicated reconstruction in a village setting



- Removal of 20' concrete slab underneath road
- Install drainage
- Permanent retaining walls
- New utility conduits
- Connections to driveways
- Paving and curbing
- 13,000 vehicles a day – peak hours ~1,500 vehicles



2. Project Status and Schedule



Progress Since Fall 2014 Meeting with Community

Takeaway from 2014 Meeting:

- Concerns about keeping the project moving.
- Concerns about the duration for closure of VT 14.
- Concerns about timing of the closure of VT 14.

Addressing Concerns:

- VTrans has completed ROW acquisitions
- PCL hired as Construction Manager/General Contractor to advance design, minimize impact using innovative building methods.



Overall Design is 65% complete

- “Early Work Phase”: 2016 -2017
- “Final Design Package”: 2017 - 2018



2016

“Early Work” to be released for bid in May:

- **Summer and Fall 2016:** Install conduit for utility relocation, install difficult drainage, install retaining wall --- Minimal traffic impacts
- **Fall 2016 to Late Spring 2017:** Telecommunications and electrical companies to relocate utilities. ---- Minimal traffic impacts



VT14 Bridge
EAST MONTPELIER



2017-2018

“Final Design Package” to be released for bid in 2017:

- **Summer to Fall 2017:** Advertise and award construction contract, build access roads and support piers and abutments --- Minimal traffic impacts
- **2018:** Majority of bridge and roadway construction --- various traffic impacts , including a maximum of 40 day closure of VT 14



3. Impacts to Community and Traveling Public



VT14 Bridge
EAST MONTPELIER



Criteria for Maintaining traffic



Maintain 2 lanes (1 in each direction) during peak periods*, except when VT 14 is closed.



Maintain 2 lanes (1 in each direction) during peak periods* for all but a maximum of 40 days for in 2018 :

- Intersection Work
- Bridge Construction / Bridge Slide

*Weekdays 7 am to 9 am &
3 pm-6 pm (7 pm Fridays)



Criteria for maintaining traffic



Maintain 2 lanes (1 in each direction) during peak periods*, except when VT 14 is closed.



Maintain 2 lanes (1 in each direction) during peak periods* for all but a maximum of **40 days** for in 2018:

- **Intersection Work**
- **Bridge Construction / Bridge Slide**

Minimize!

Work outside these periods!

***Weekdays 7 am to 9 am & 3 pm-6 pm (7 pm Fridays)**



VT14 Bridge
EAST MONTPELIER



What travelers can expect in 2016

1. Roadway construction in late summer/fall to relocate utilities & build retaining walls will cause some delay
2. Construction concentrated along US 2
3. Activities that have the most impact on traffic will occur at night.





**WORK AT
NIGHT**

**OPEN IN
THE DAY**



VT14 Bridge
EAST MONTPELIER



What travelers can expect in 2017

- Preparation for bridge replacement, with the majority of work taking place out of the roadway or during off peak hours.



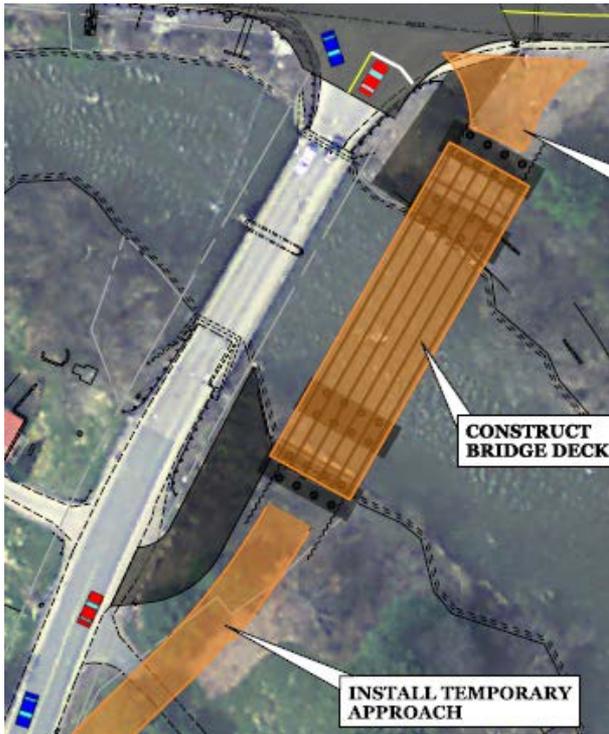
What travelers can expect in 2018?

1. More work at night / open in the day
2. Use “ride & slide” accelerated bridge approach
3. Bridge and road construction substantially complete in 2018



“Ride & Slide” bridge construction

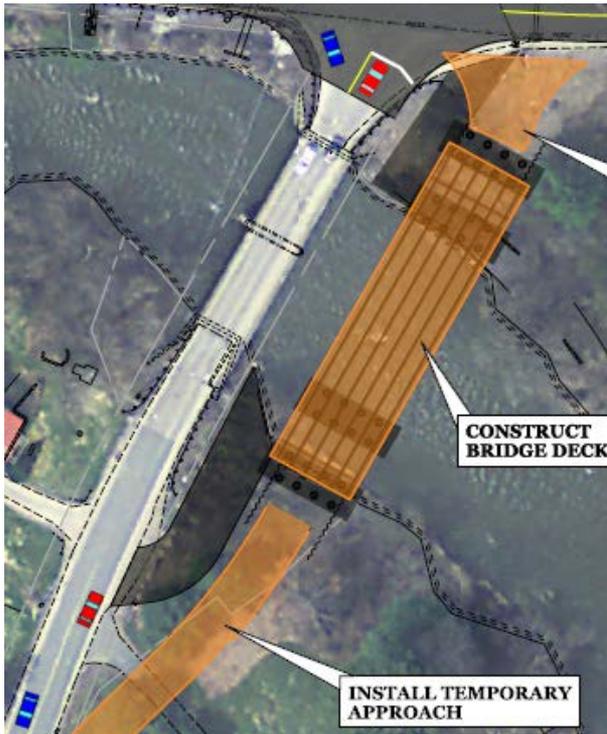
Build Superstructure Off Alignment



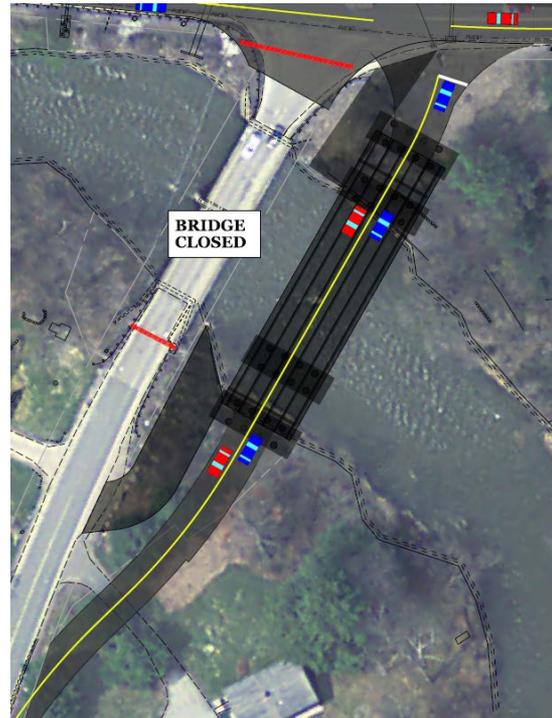
VT14 Bridge
EAST MONTPELIER

“Ride & Slide” bridge construction

Build Superstructure Off Alignment



Use the Superstructure as a Temporary Bridge



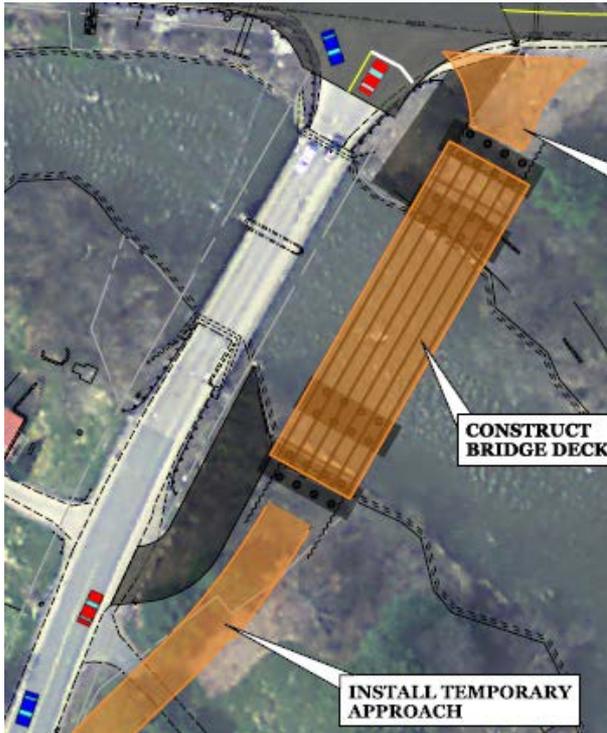
“Ride”



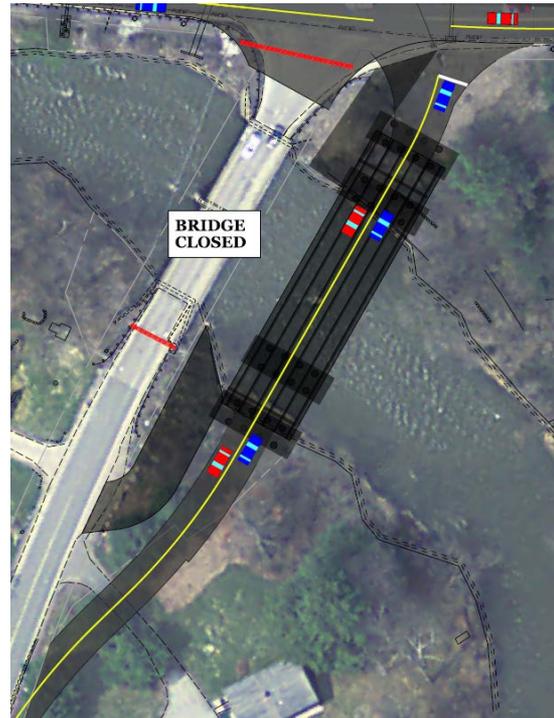
VT14 Bridge
EAST MONTPELIER

“Ride & Slide” bridge construction

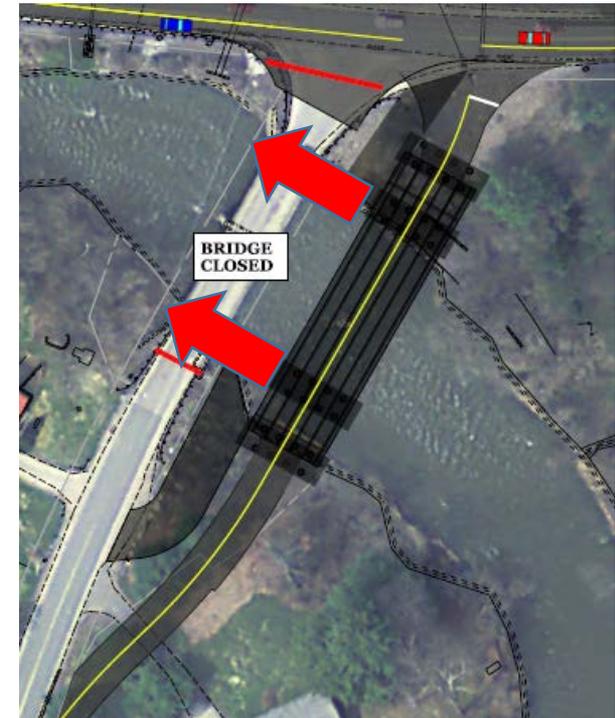
Build Superstructure Off Alignment



Use the Superstructure as a Temporary Bridge



Slide the Bridge into Place



“Ride”

“Slide”



VT14 Bridge
EAST MONTPELIER



4. Other Impacts and Considerations



What about emergency response?

- During closure, EMFD proposes 24 hour staffing of the fire department in order to maintain response times.
- Traffic control at site will coordinate with EMFD and EMES to give priority to Emergency Response in the work zone.

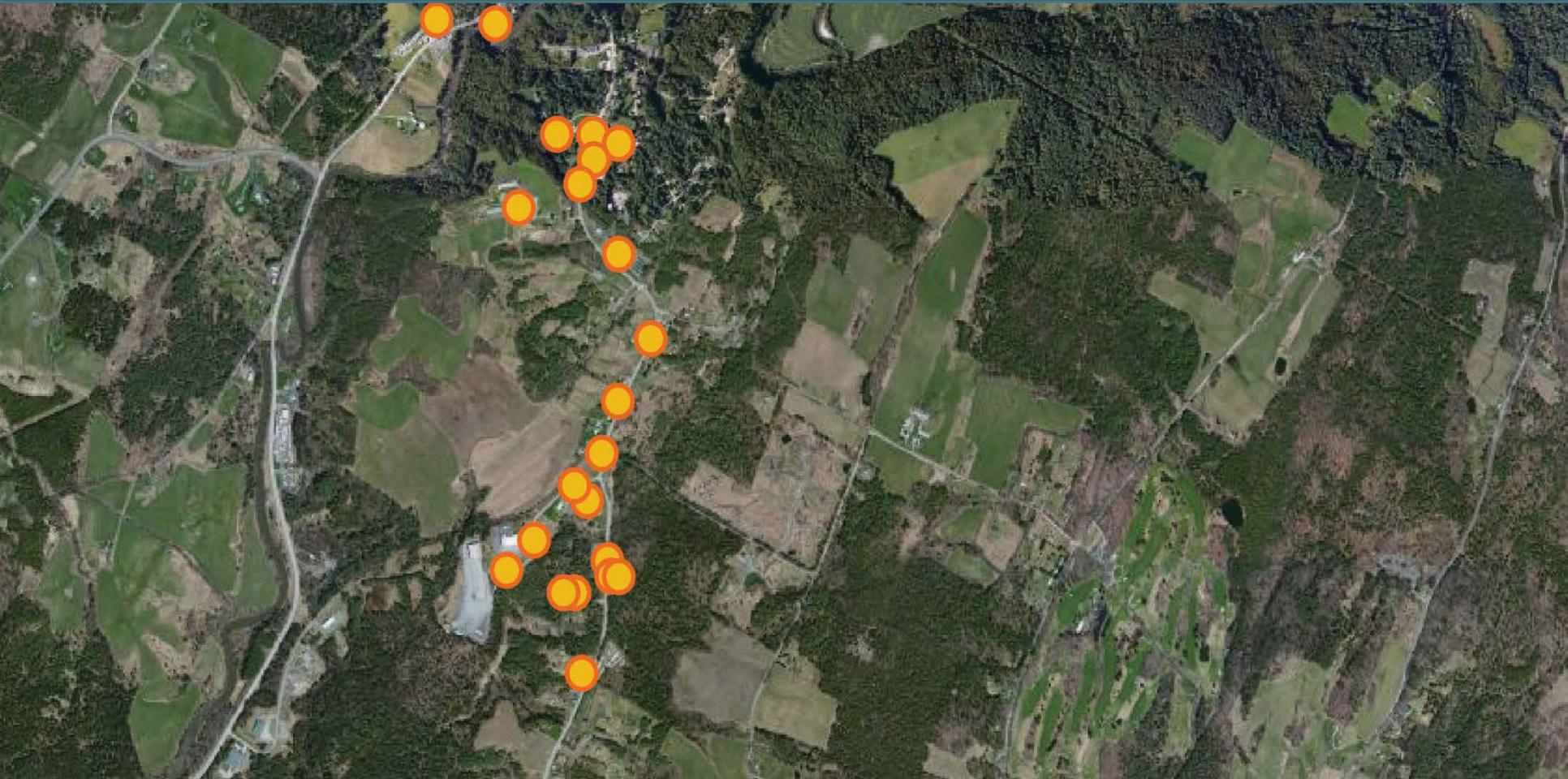


What about impacts on local roads?

- Official detour route will direct vehicles to state roads – VT 14 South/VT 302
- VTrans will meet with town officials **beginning summer 2016** to identify local bypass roads that may see increased traffic



4. Communicating with the public



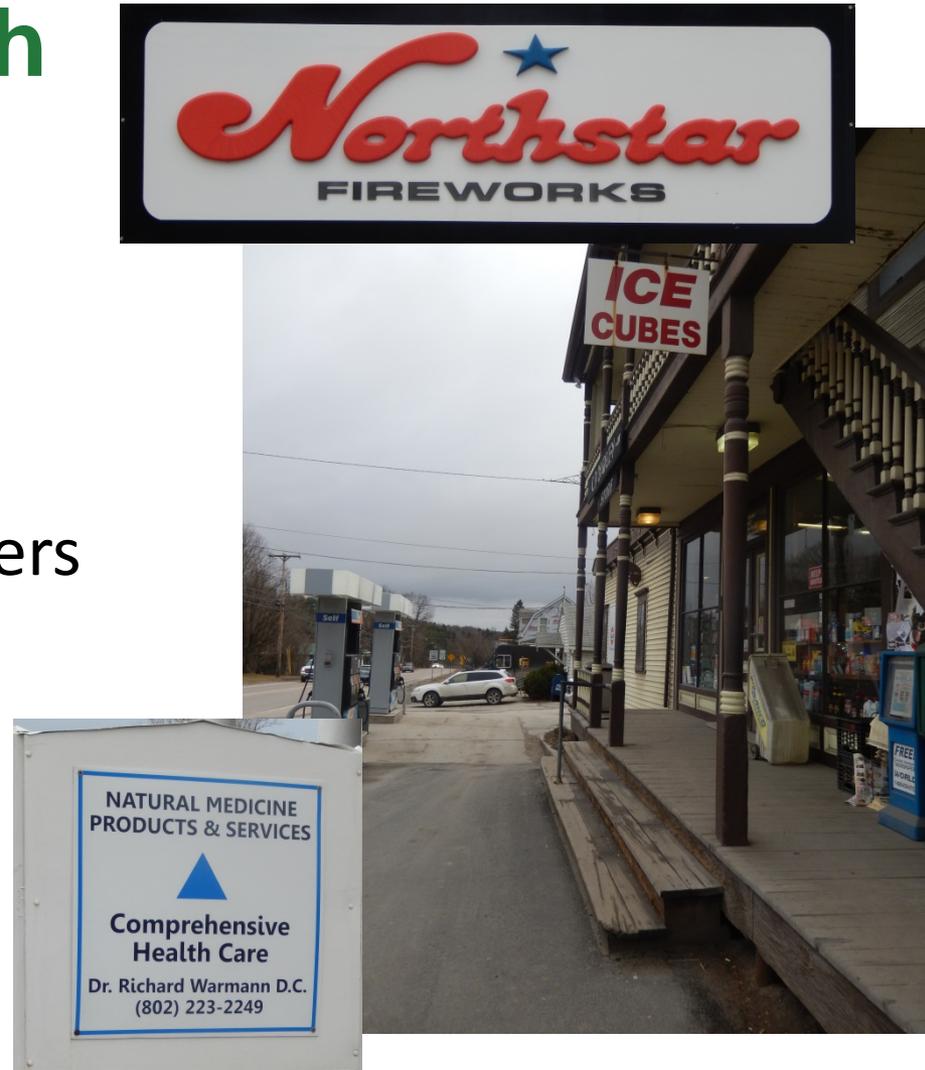
How will the public know what's happening?

- Signs (Variable Message and detour routes)
- Newspaper
- Front Porch Forum
- E-mail alerts (weekly during construction)



Direct outreach

- Businesses
- Affected property owners
- Emergency responders
- Other towns



Public Outreach Coordinator

Jill Barrett

272-1248

jbarrett@fhiplan.com



VT14 Bridge
EAST MONTPELIER



5. Questions & Comments

