

Winooski City Council Meeting

Burlington-Winooski BF RAIZ(2)

October 21, 2024



Introductions

- **Bob Klinefelter** – VTrans Structures Project Manager
- **Carolyn Cota** – VTrans Structures Program Manager
- **Josh Olund** – HNTB Project Manager

Agenda



Meeting Purpose



Base Technical Concept



RFP Considerations



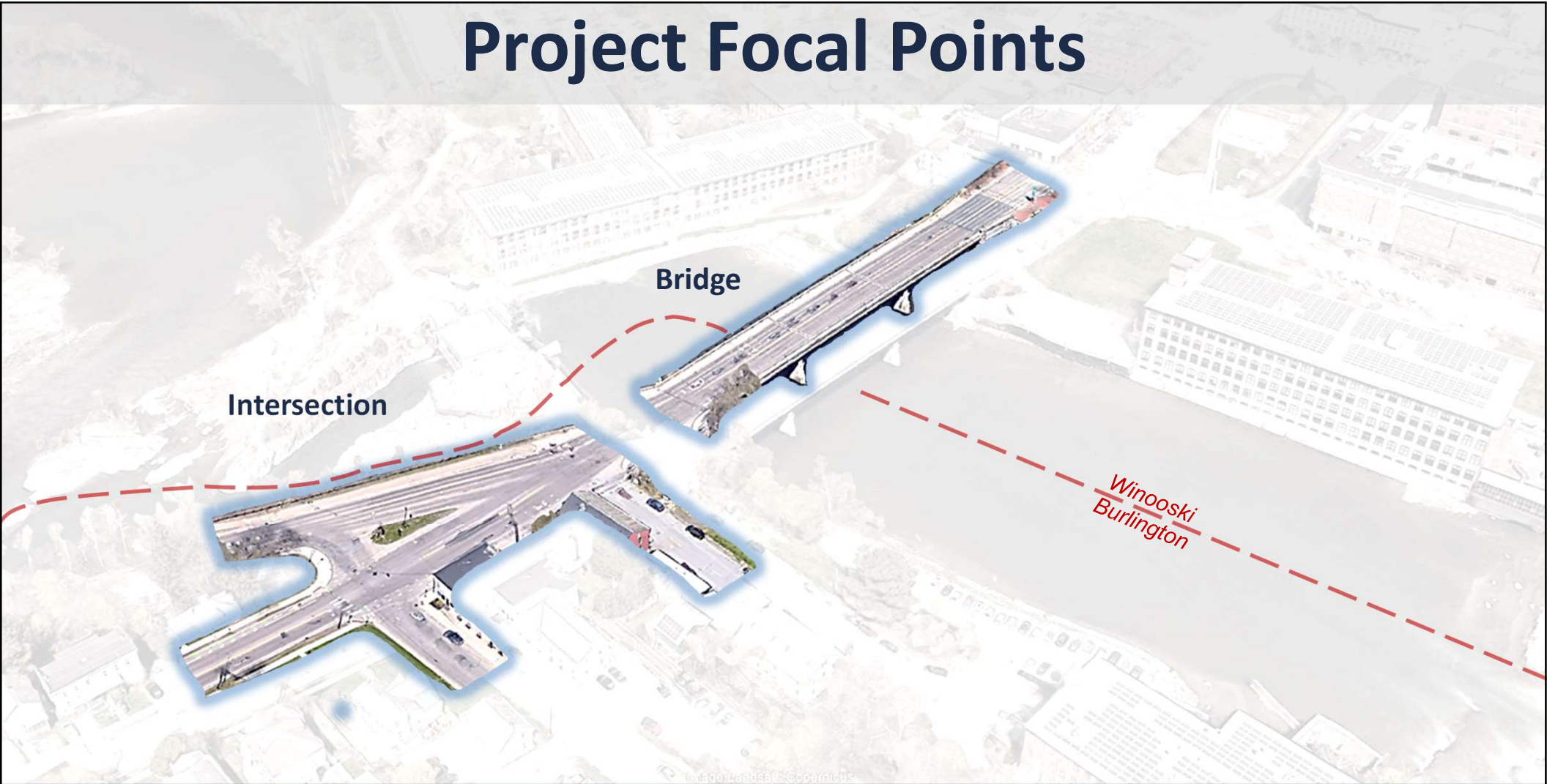
Next Steps

Meeting Purpose

- *To seek approval on the Base Technical Concept.*



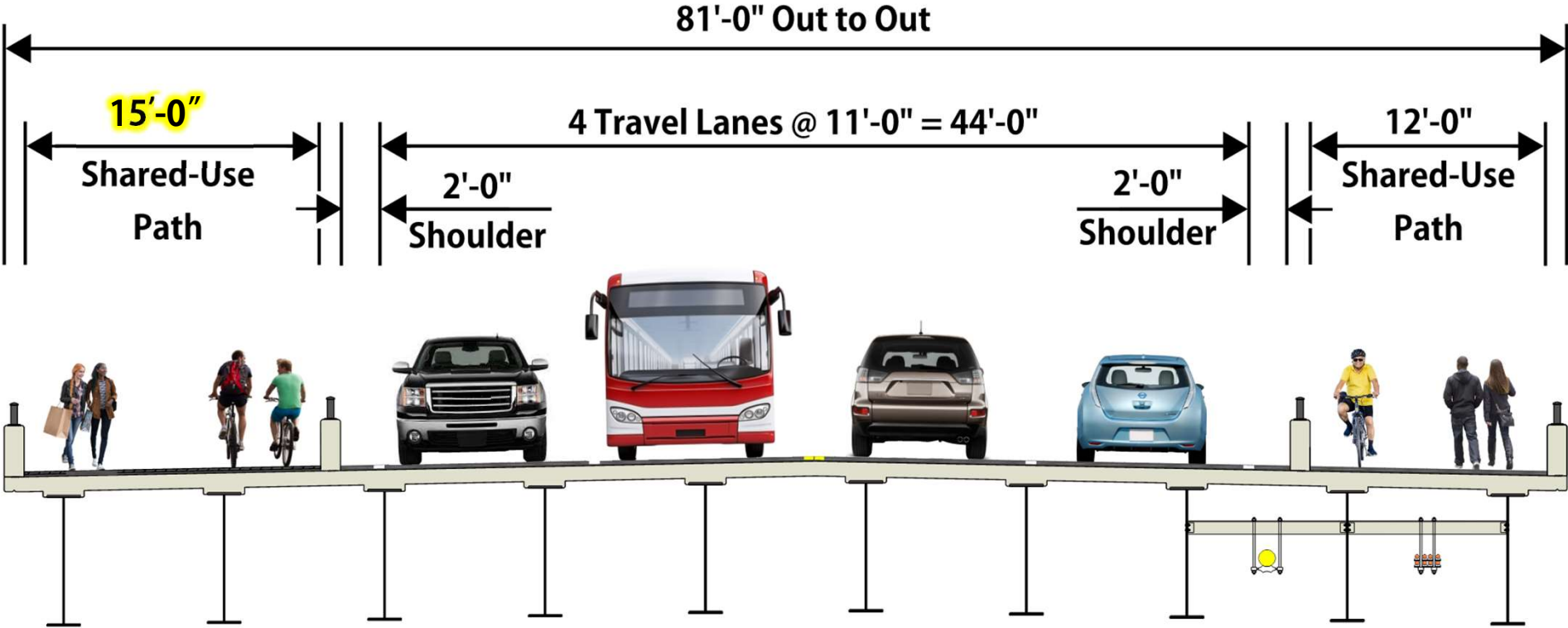
Project Focal Points



Base Technical Concept (BTC)



Bridge Cross Section



Existing Conditions



Conceptual Shifted-Alignment



View Looking South

Existing Conditions



Conceptual Shifted-Alignment



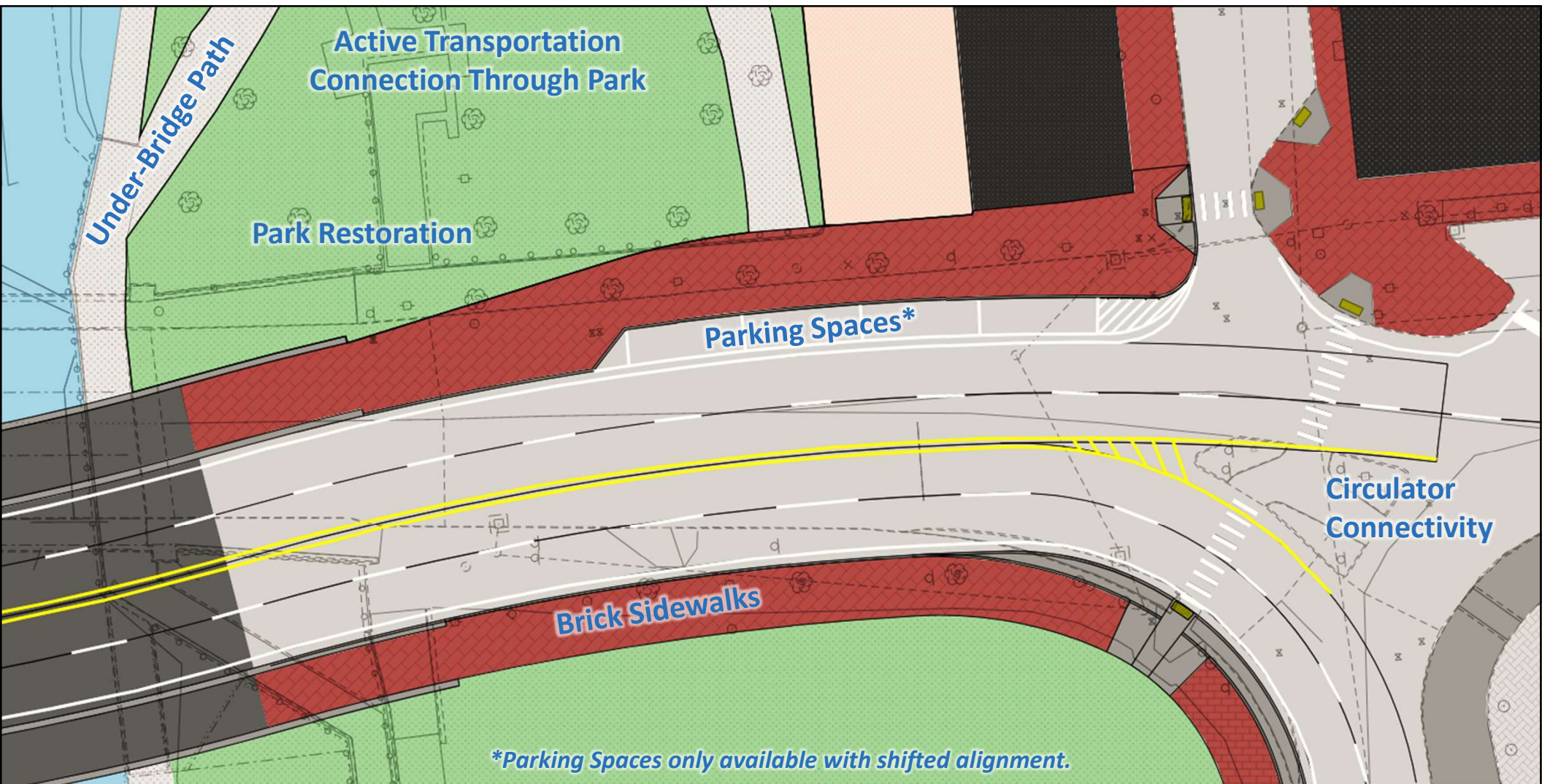
View Looking North



Existing Conditions



Conceptual Shifted-Alignment



**Parking Spaces only available with shifted alignment.*

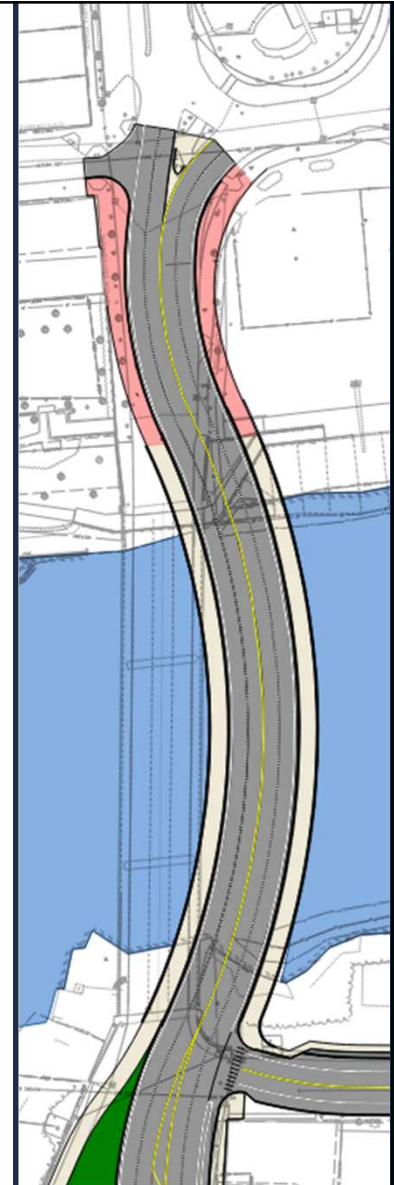
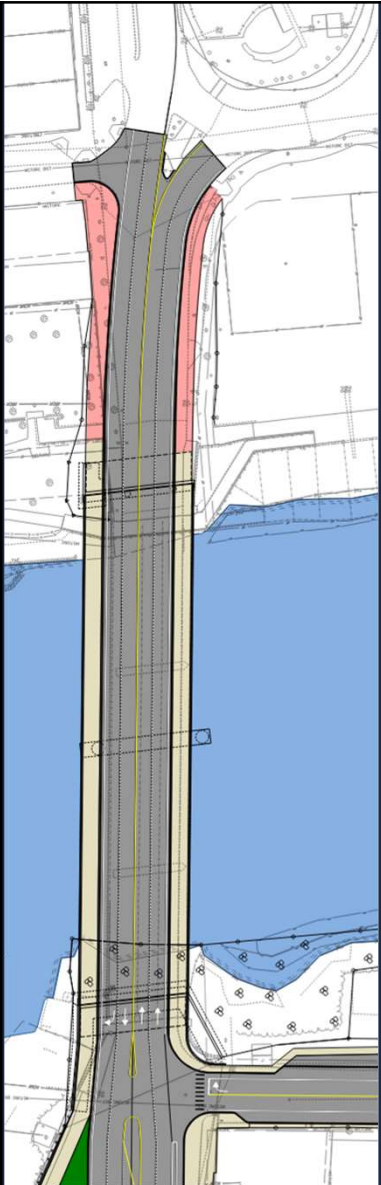
Additional Considerations

Alternate Alignments and Construction Methods




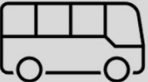
On-Alignment	<u>FEATURE</u>	Shifted Alignment
Tangent	Alignment	Curved
4	Lanes Detoured	2
4 - 6*	Detour Duration (Weeks)	16 - 24**
24 - 30	Construction Duration (Months)	24 - 30
No	Potential Under Bridge Path in Burlington	Yes

* Detour duration is for a full vehicular closure (NB & SB traffic detoured)

** Detour duration is for a partial vehicular closure (only SB traffic detoured)

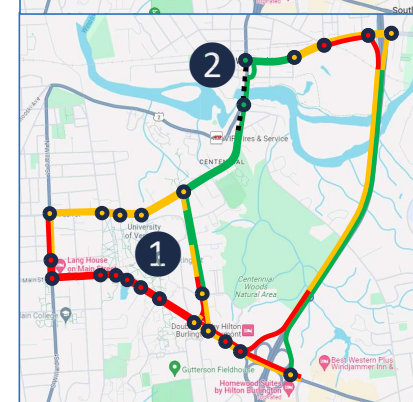
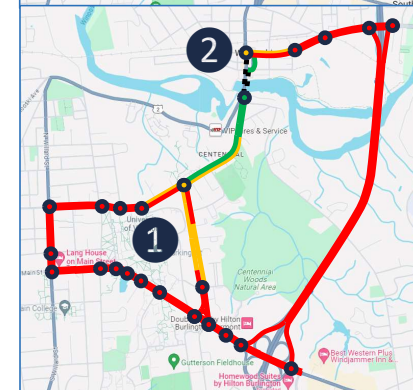
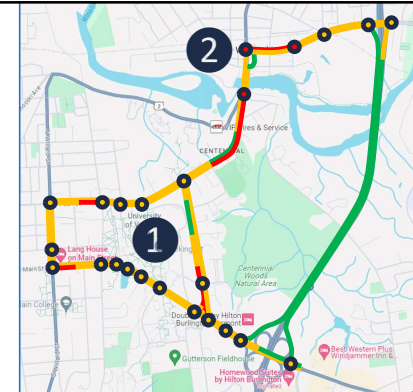
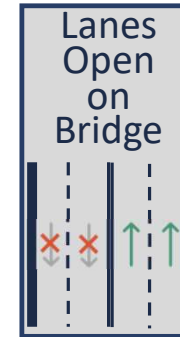
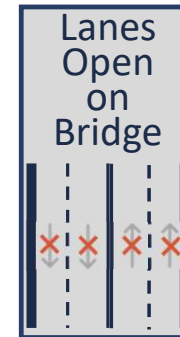
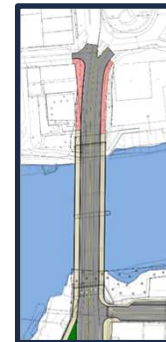
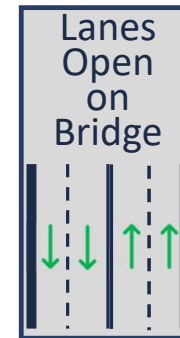


Traffic During Construction

Summer Travel Time Between ① & ②			
① → ② (② → ①)	Existing Conditions	With Full Bridge Closure	With SB Bridge Closure
	4 – 7 min. (4 – 7 min.)	10 – 15 min. (7 – 12 min.)	4 – 6 min. (7 – 12 min.)
 	6 – 9 min. (5 – 8 min.)	12 – 22 min. (14 – 19 min.)	4 – 6 min. (12 – 15 min.)
	8 – 10 min. (8 – 10 min.)	18 – 25 min. (16 – 23 min.)	6 – 8 min. (14 – 21 min.)

* Trucks may experience additional 1-2 min. of delay

- ① UVM Medical Center
- ② Downtown Winooski





RFP Considerations

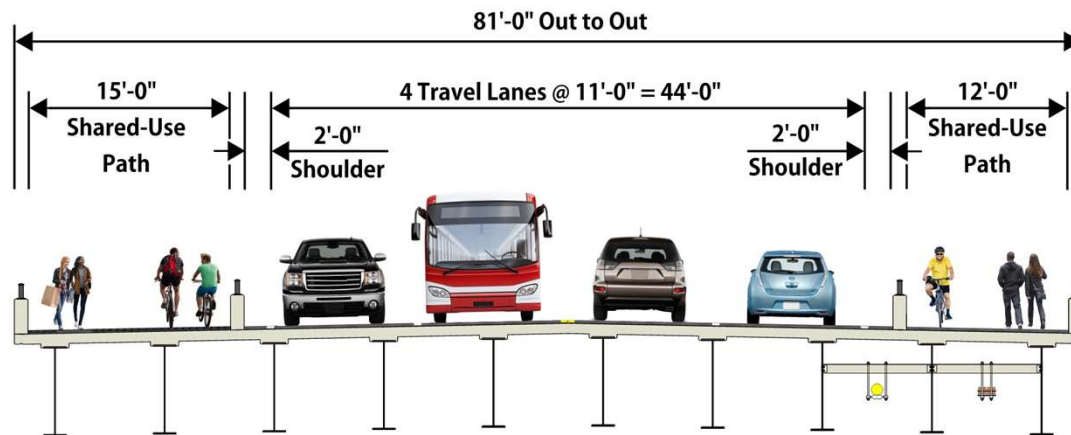


Prescriptive vs Flexible Requirements

- **Prescriptive**: Items or actions that are required within specifically defined parameters, without exception.
- **Flexible**: Items or actions that represent the nature and goals of the project and have established boundaries, but are not prescriptively defined.

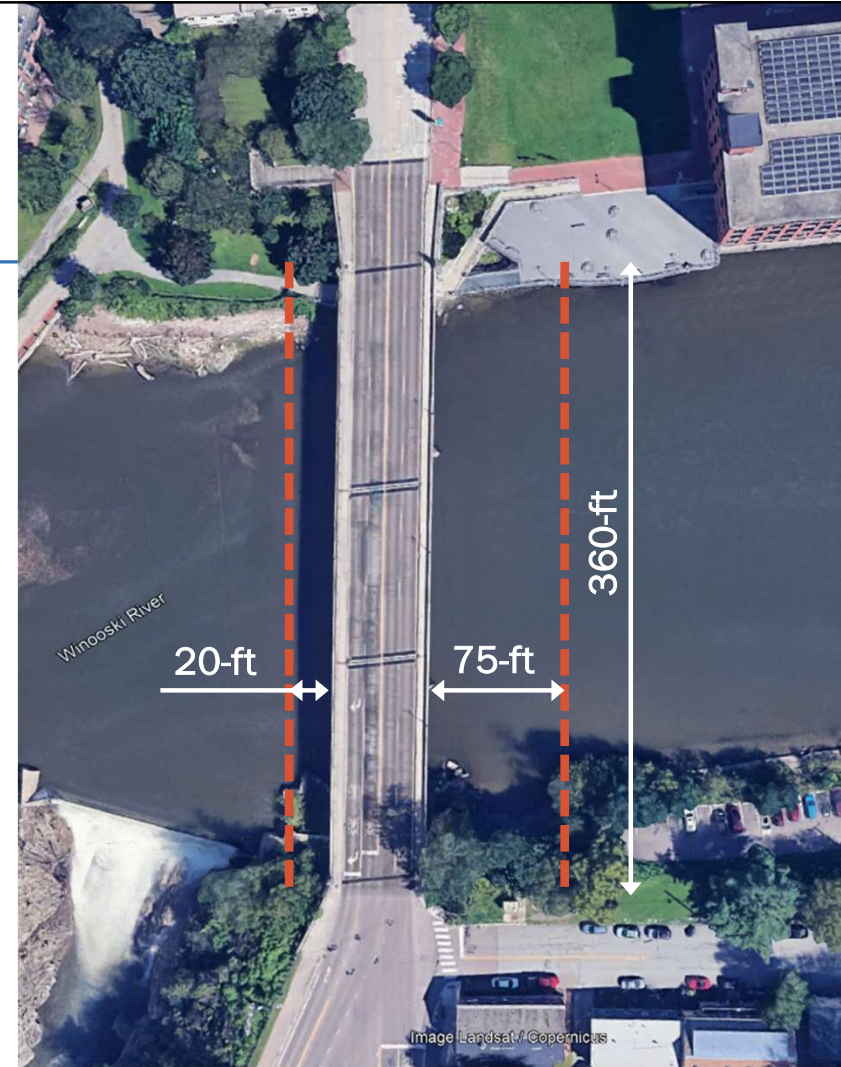
Prescriptive Requirement Examples

- Bridge Cross Section
- Two Span Bridge
- Minimum Hydraulic Opening



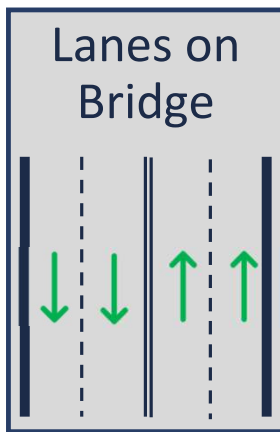
Flexible Requirement Examples

- Approximately 360-ft Long
- Bridge Location/Alignment
- Girder Spacing
- Traffic Control/Schedule



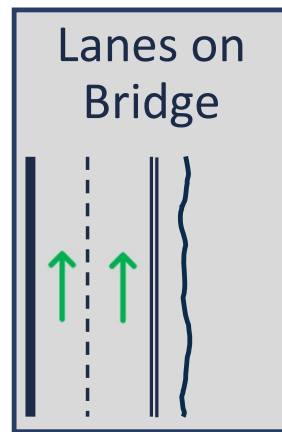
Construction Progression

Partial Construction,
Upstream of Existing
Bridge



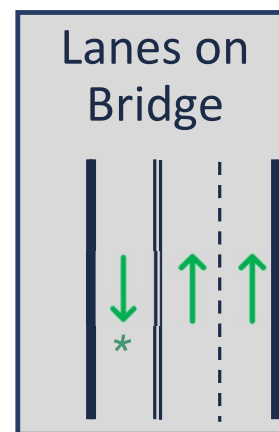
Existing
Conditions

Remove Portion of
Existing Bridge;
Complete Upstream
Construction



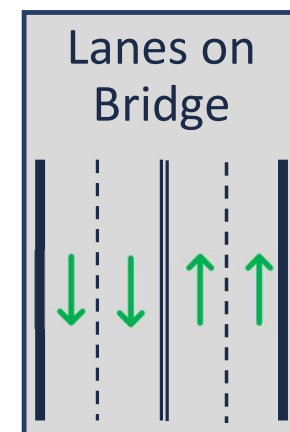
4-6 Months

Transfer Traffic;
Complete Demolition;
Complete Construction



12-16 Months

Fully Open Bridge;
Site Restoration



Final
Conditions

* Southbound to Riverside Avenue Only

Schedule – Current and Future



Next Steps



Next Steps

- Public Open House
- Committee and Council Meetings in Burlington
- RFQ and RFP Development
- Continued Coordination for:
 - Right of Way
 - Environmental Commitments
 - Utility Relocation

Questions?



**BURLINGTON
WINOOSKI
BRIDGE**



<https://burlingtonwinooskibridge.vtransprojects.vermont.gov/>

