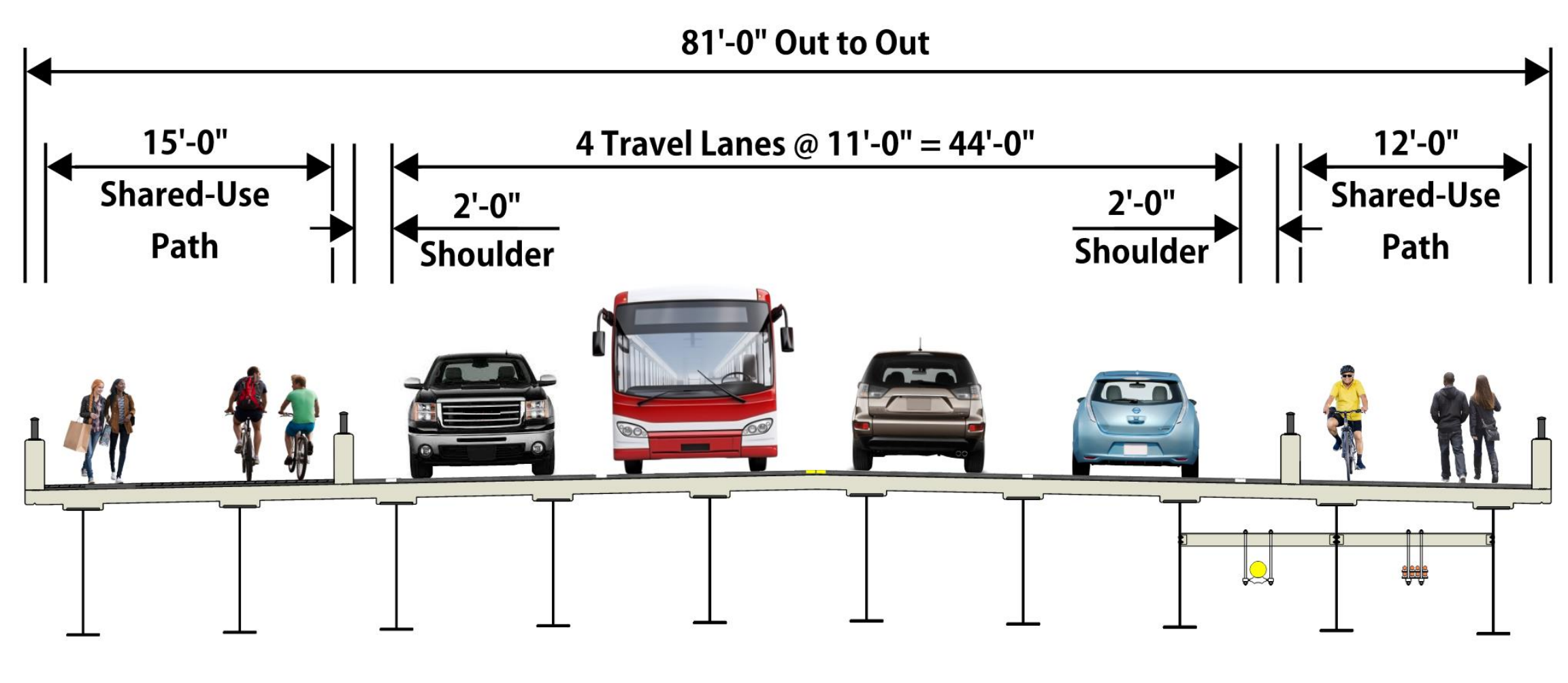
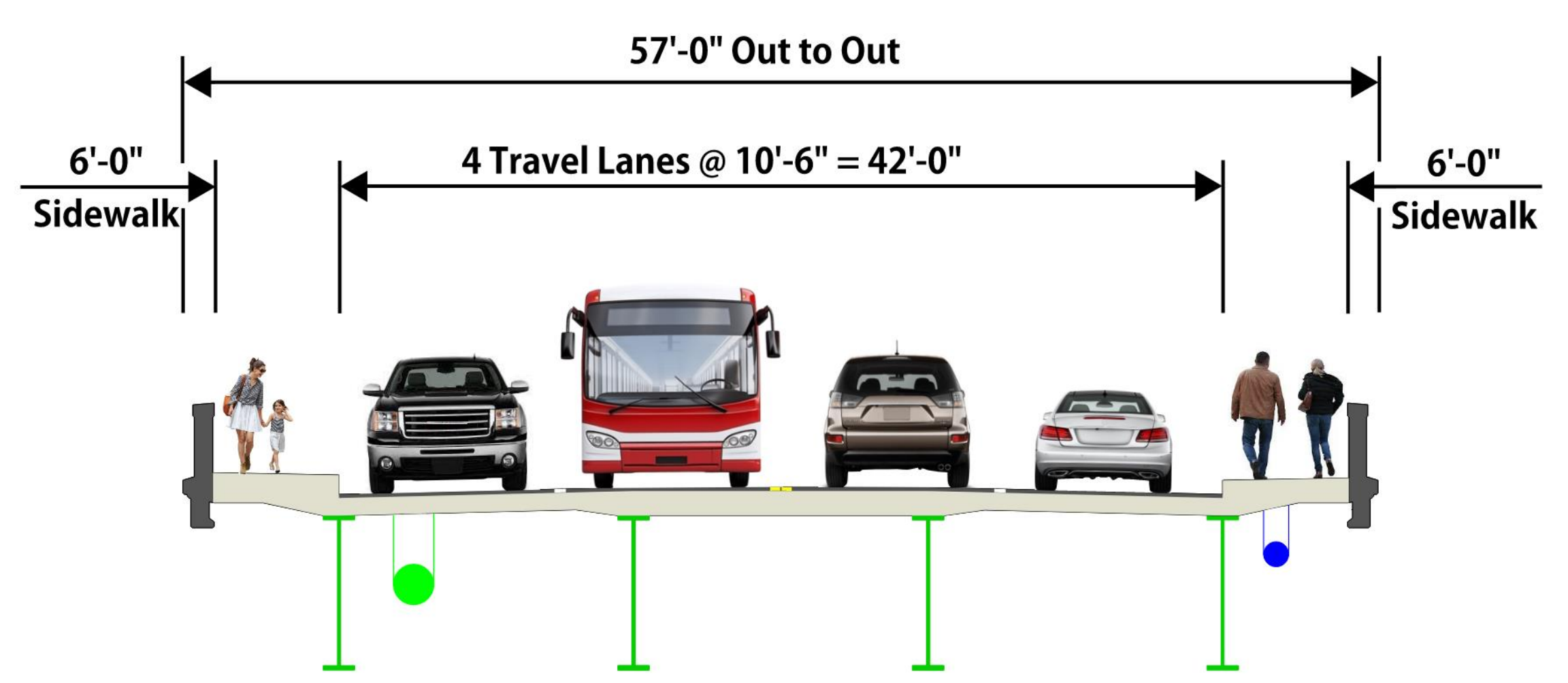


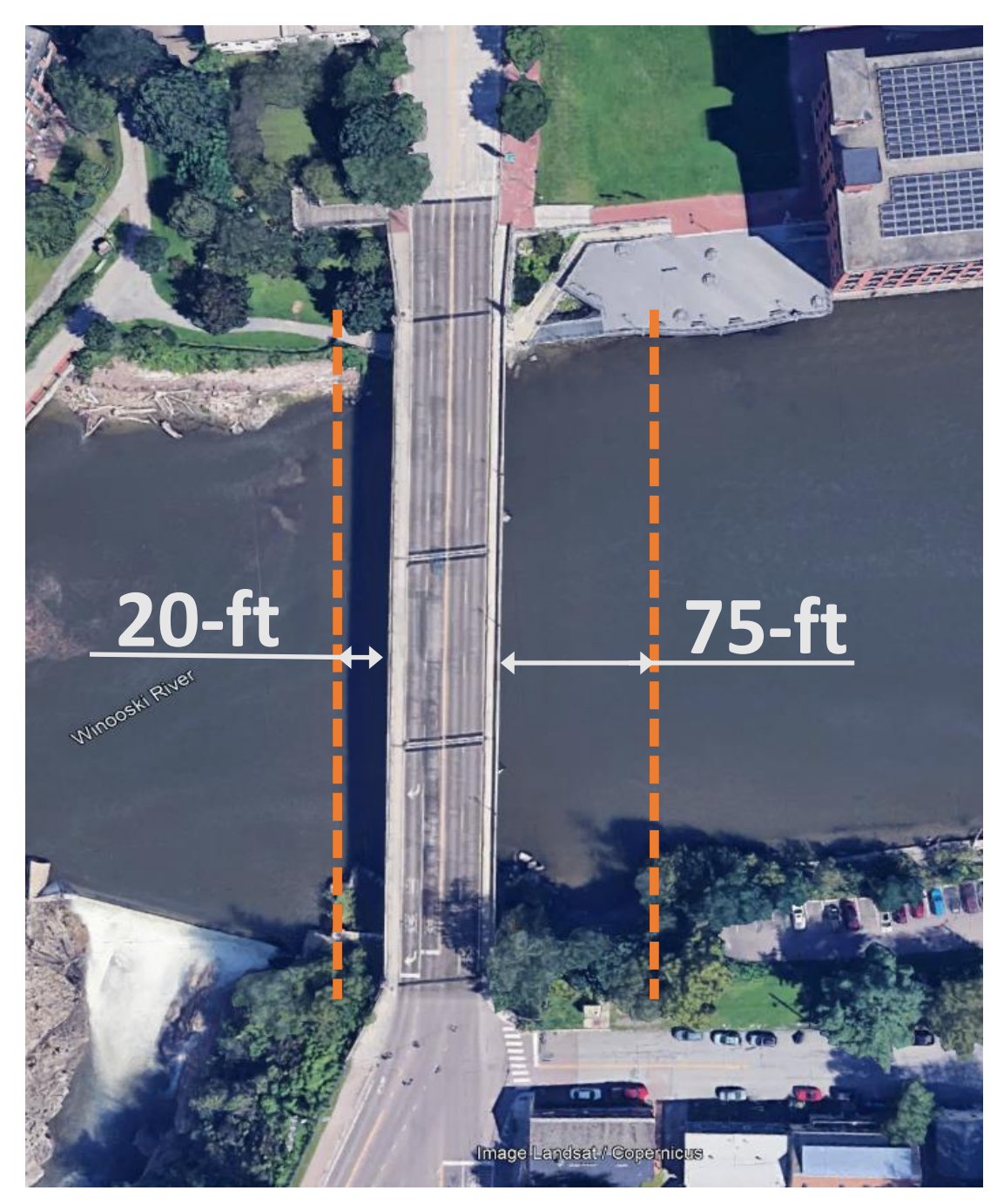
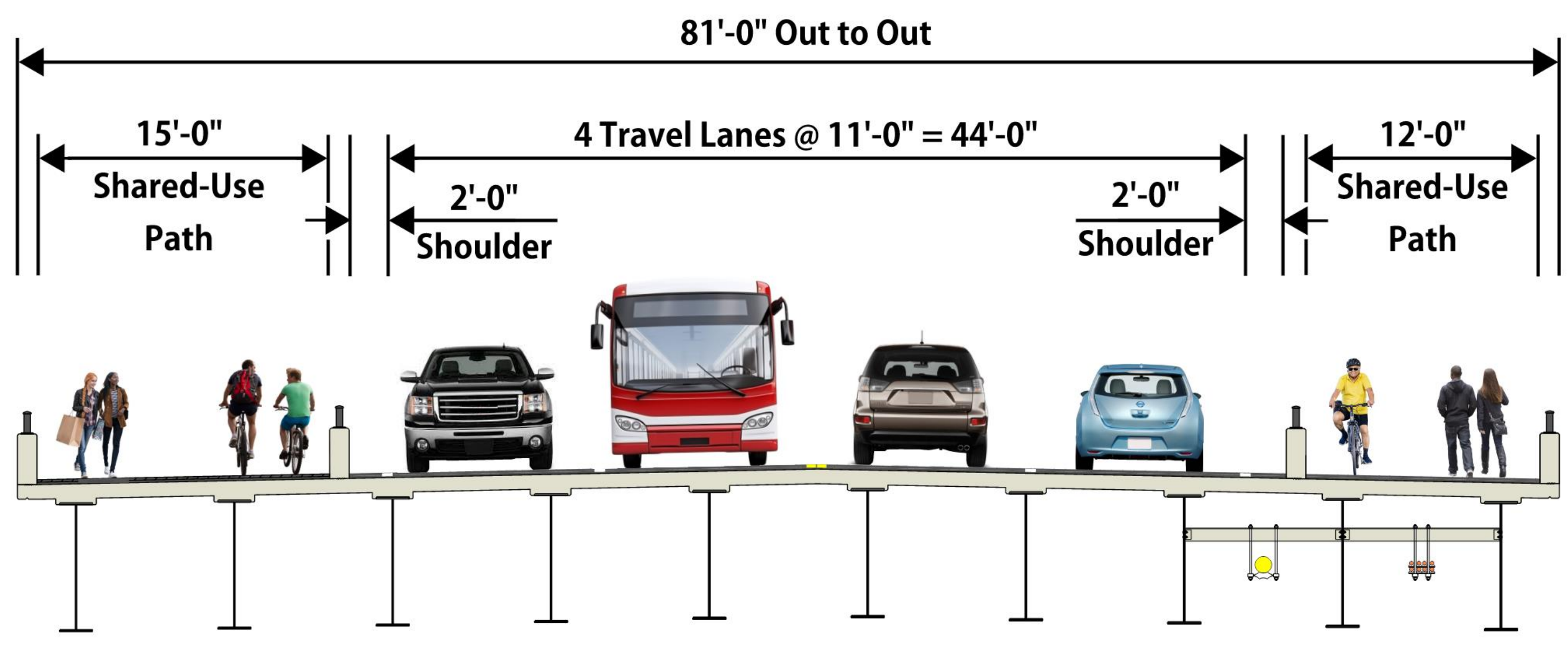
# Existing Conditions

# Proposed Conditions

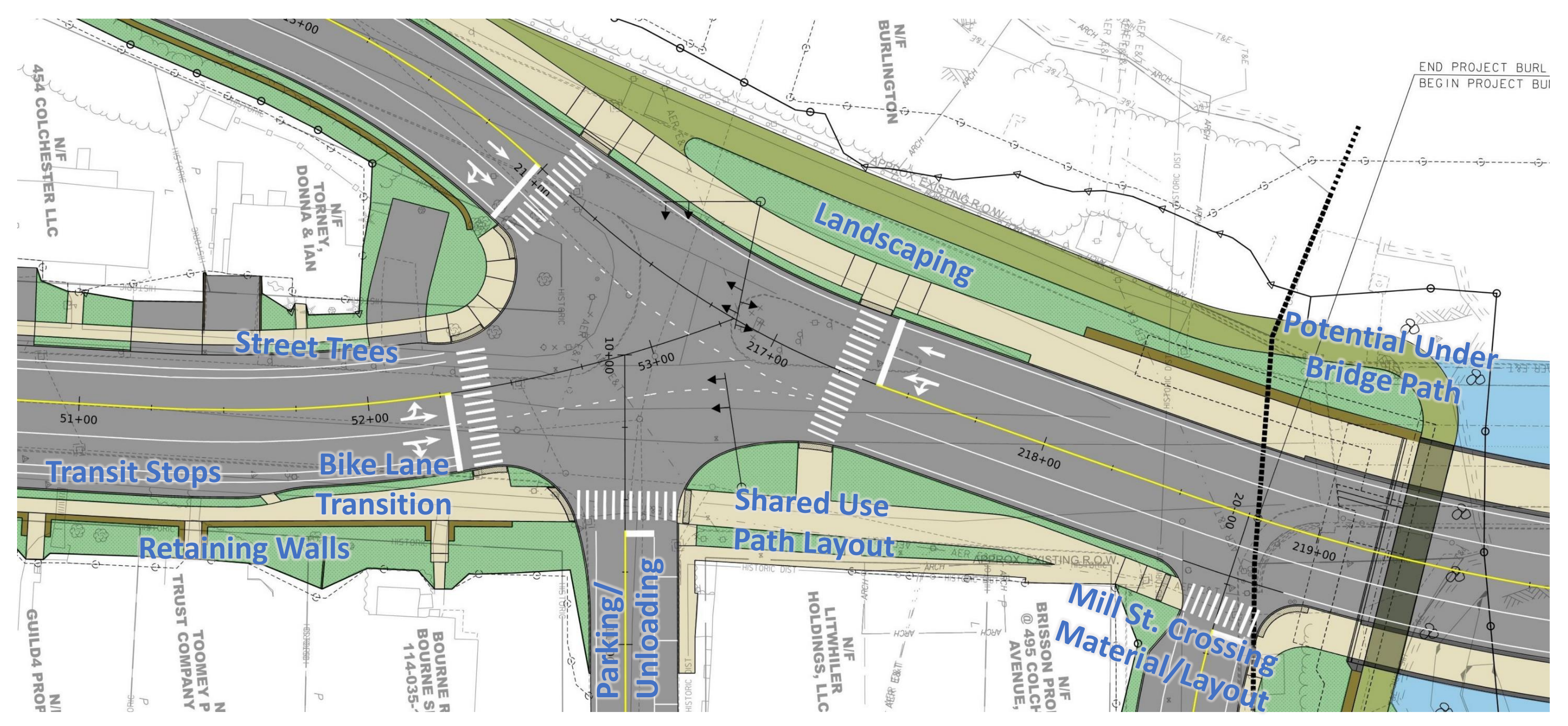




# Bridge Typical Section and Location

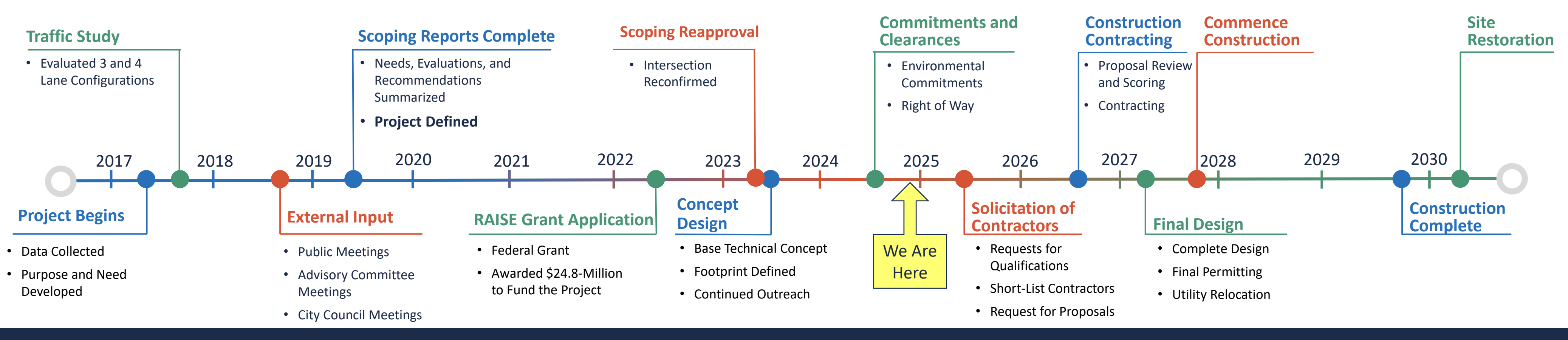
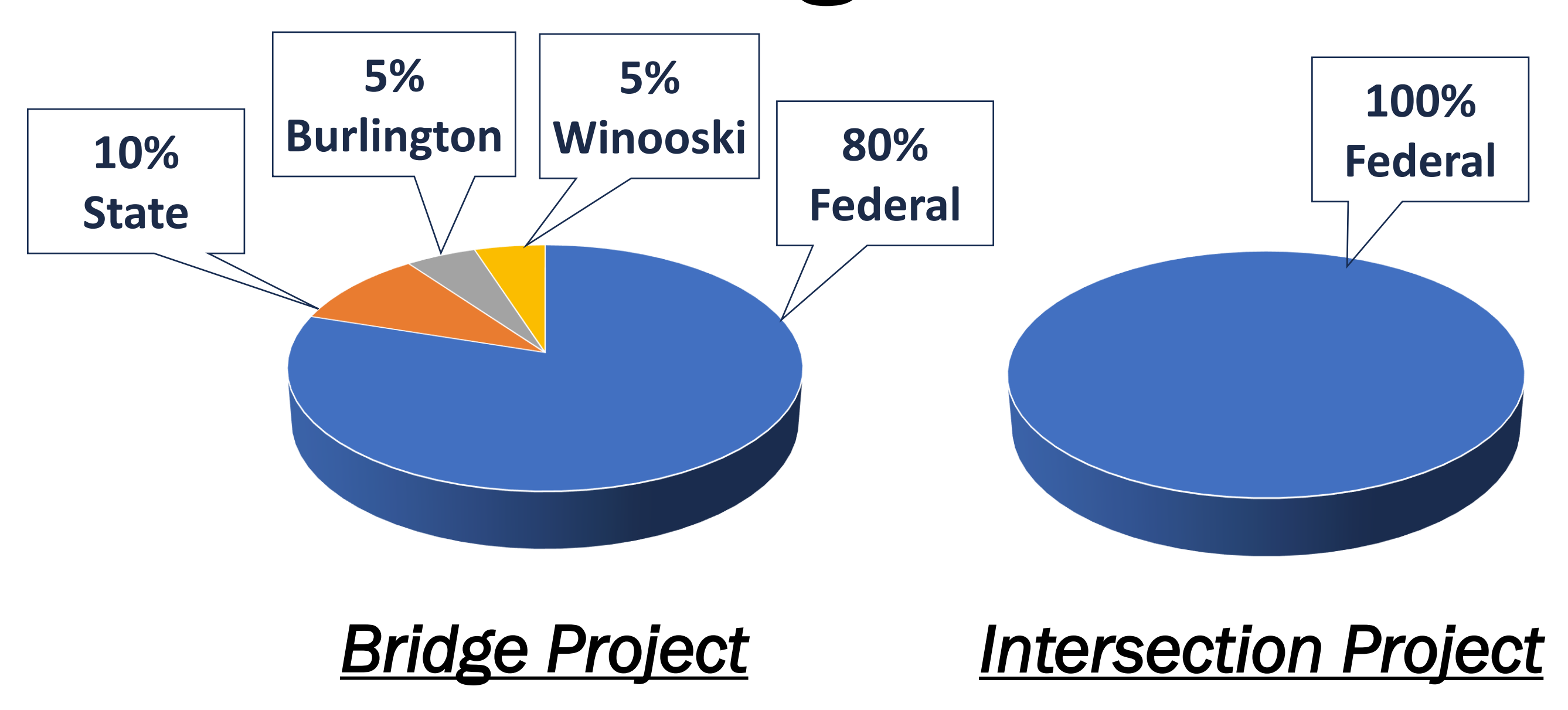


## Intersection Features



## Schedule and Funding

- Bridge Project Received a Federal RAISE Grant worth approximately \$24.8-million
- Total Bridge Project costs are estimated to be conceptually \$70 - \$80-million
- Total Intersection Project costs are estimated to be conceptually \$8 - \$9 million







**Existing  
Conditions**



**Proposed Base  
Technical Concept**



**Example  
Alternate Layout**





**Existing**  
**Conditions**



**Proposed Base**  
**Technical Concept**



# Existing Conditions



# Proposed Base Technical Concept



# Example Alternate Layout





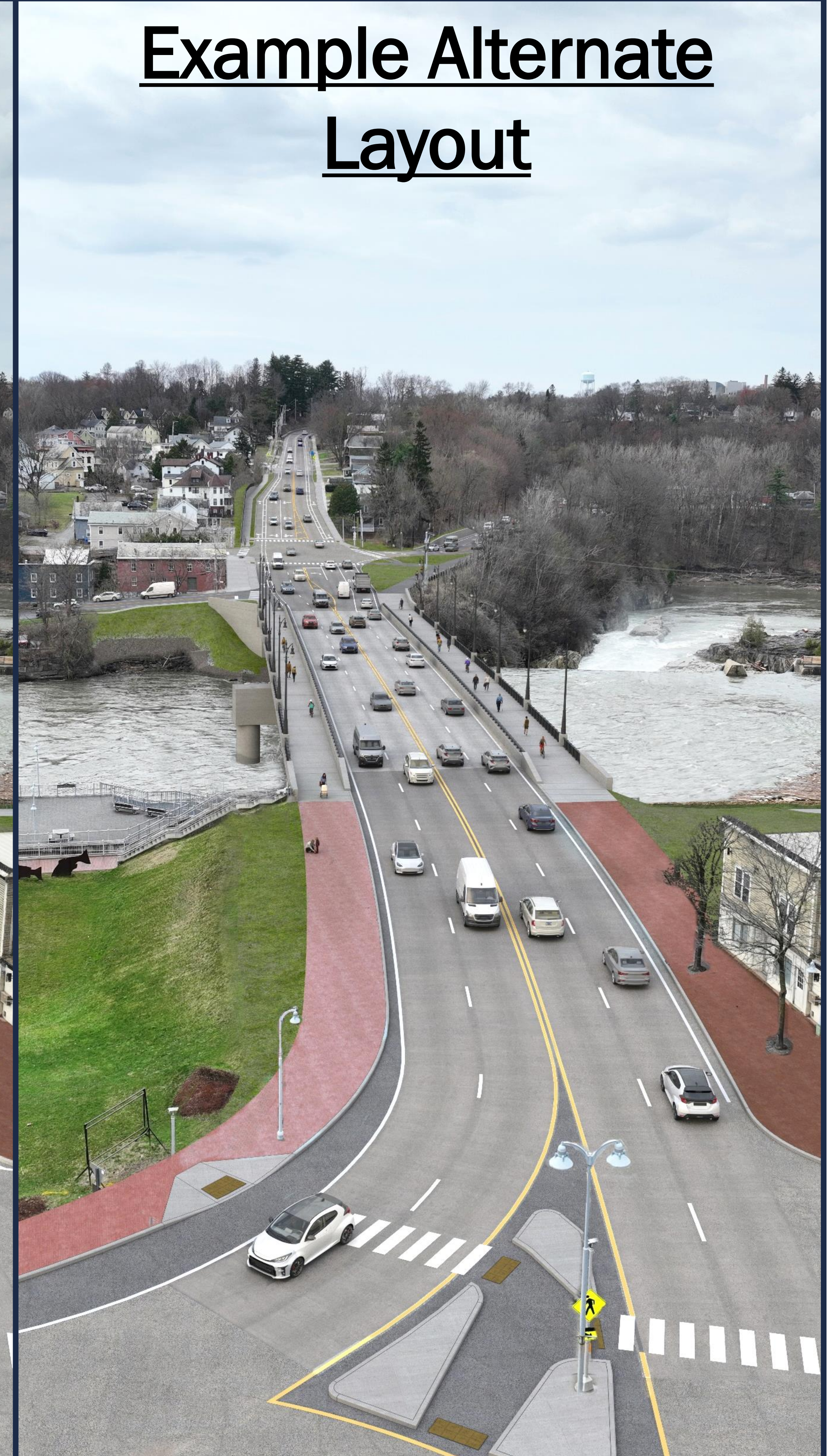
# Existing Conditions



# Proposed Base Technical Concept



# Example Alternate Layout





# Pedestrian Railing Designs



1

Intermediate concrete posts, custom design, lighting on concrete posts

No concrete posts, custom metal span design

2



3

Simple vertical design elements in metal spans

Intermediate concrete posts, vertical metal spans with design above

4



5

No concrete posts, repeating X design in metal span



No concrete posts, vertical design elements in metal spans with arched top rail

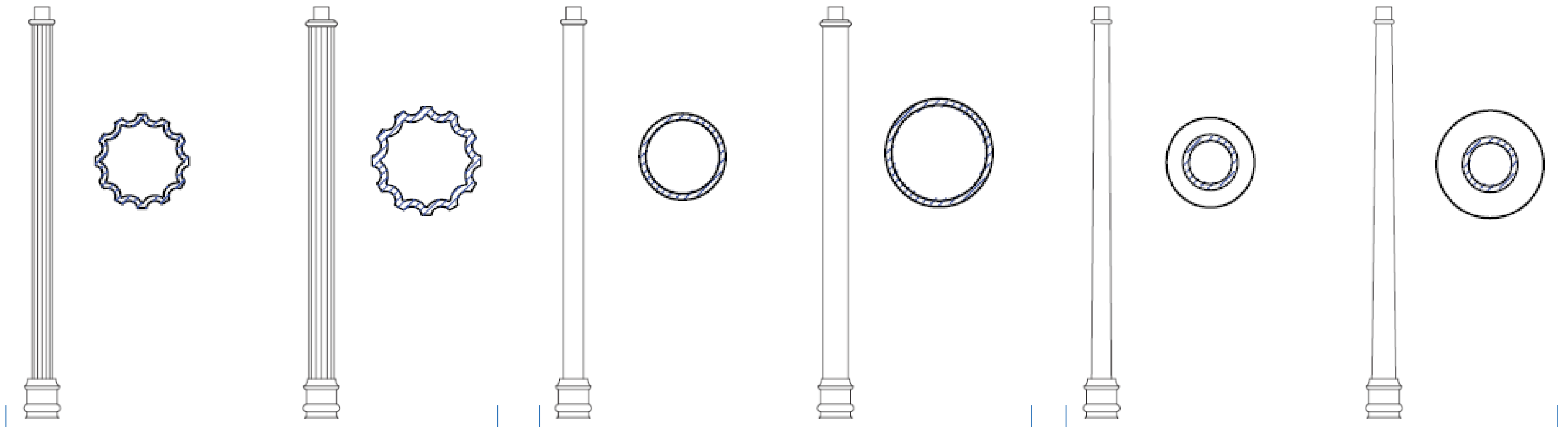
6





# Bridge Lighting Designs

## Pole Style

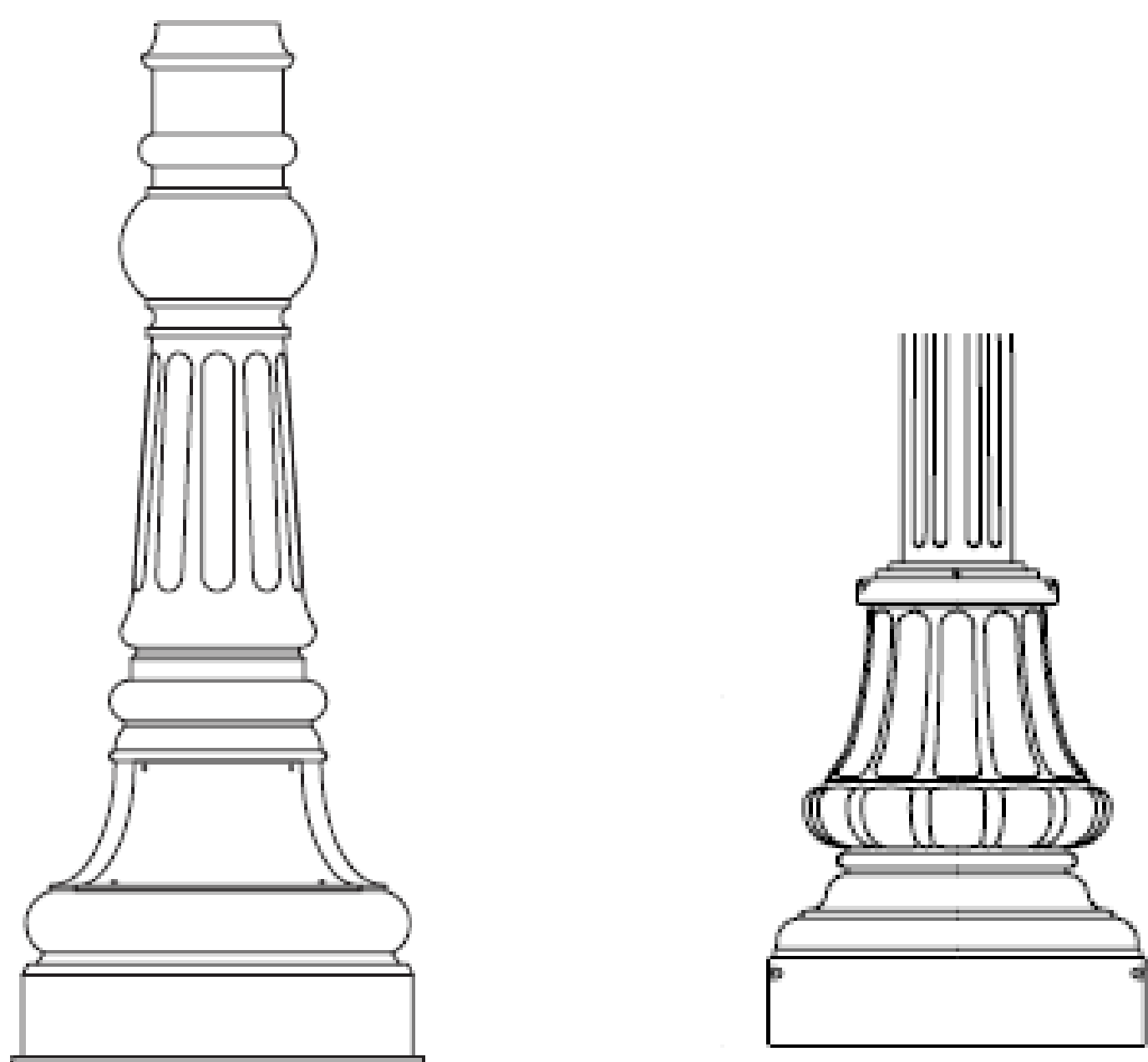


Fluted Pole

Straight Pole

Tapered Pole

## Base Style



Tall Decorative Base

Short Simple Base

## Luminaire Style



Acorn Shape

Skirt Shape

## Bracket Style



Straight

Double Arched

Arched

Swerved



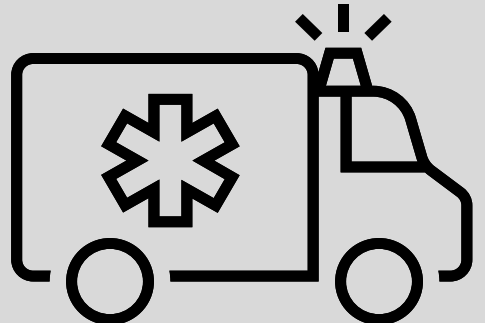
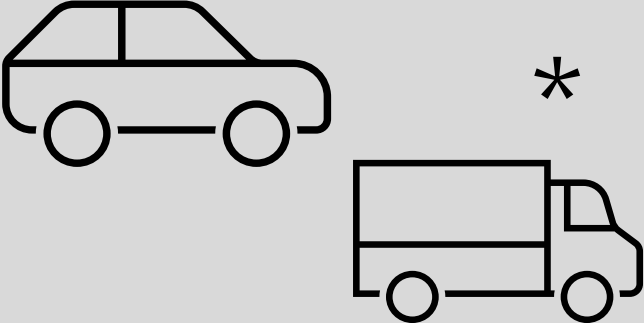
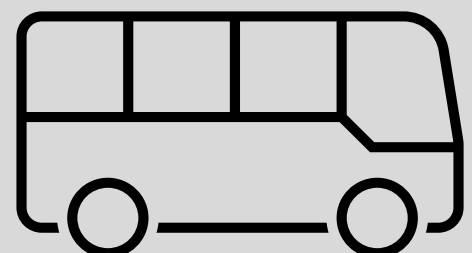
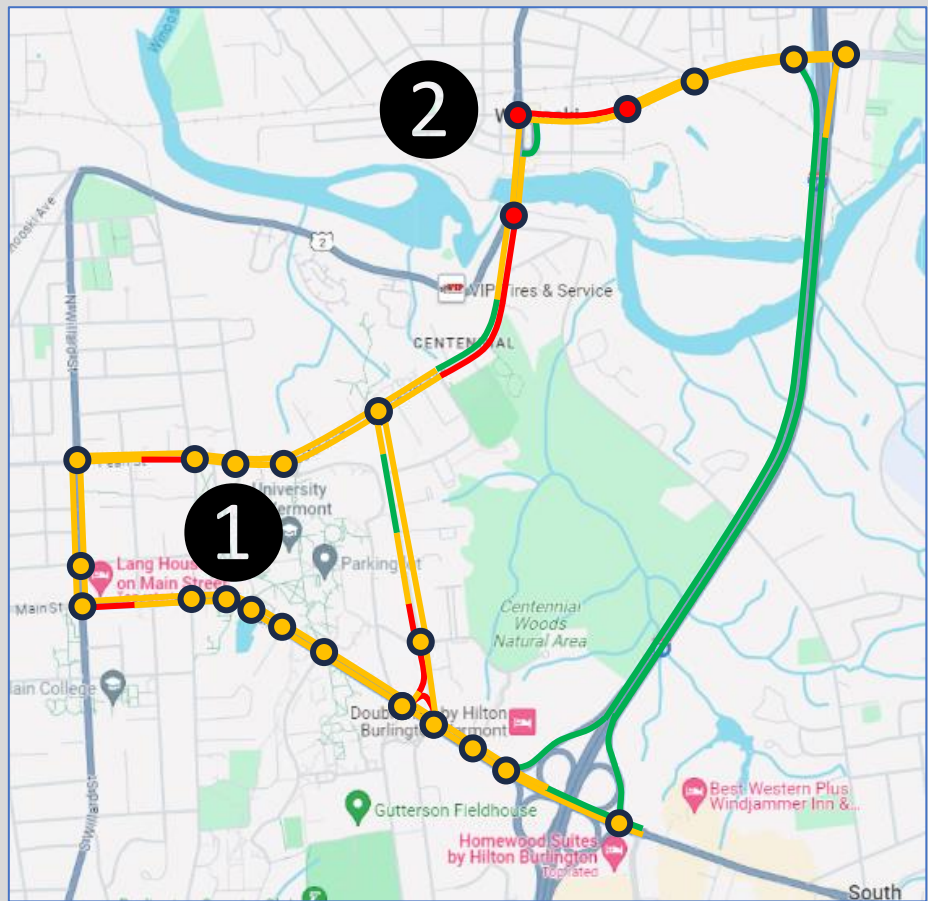
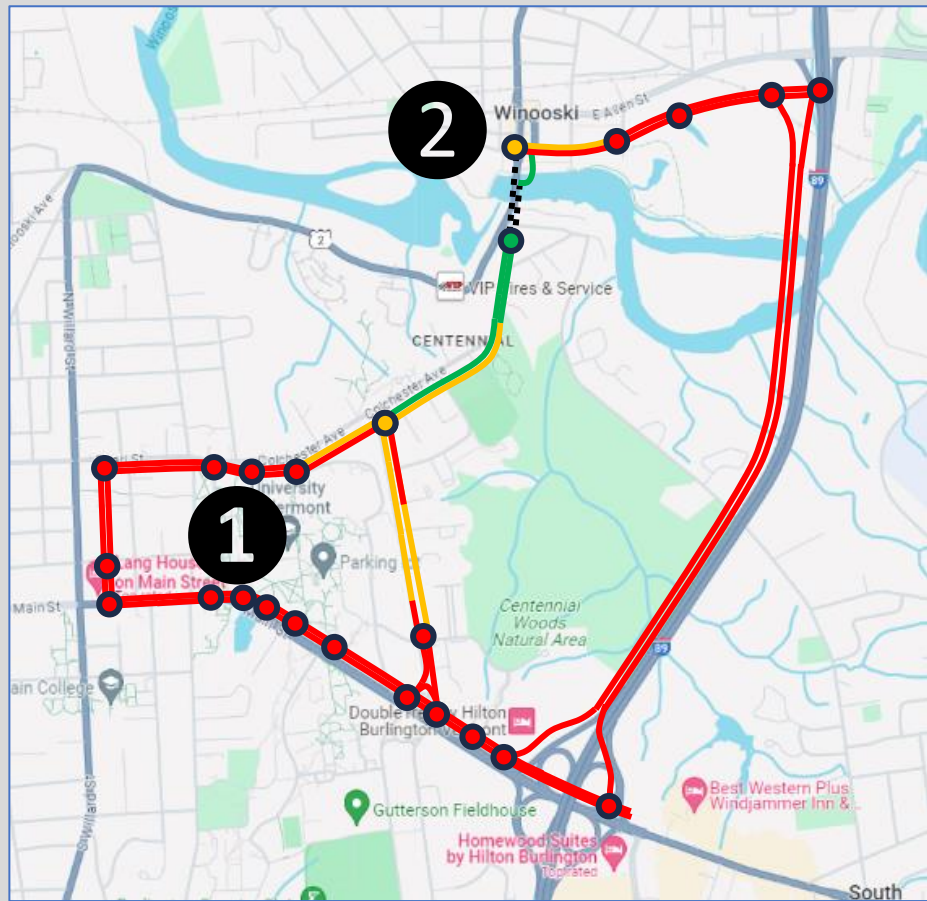
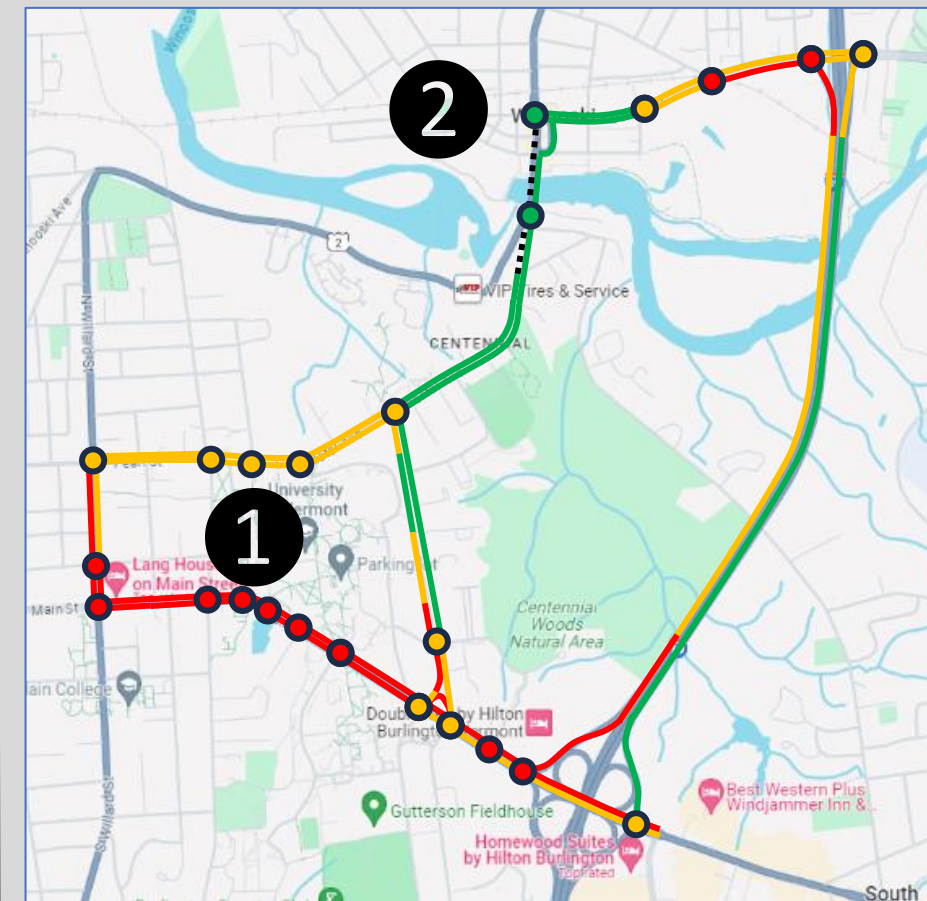
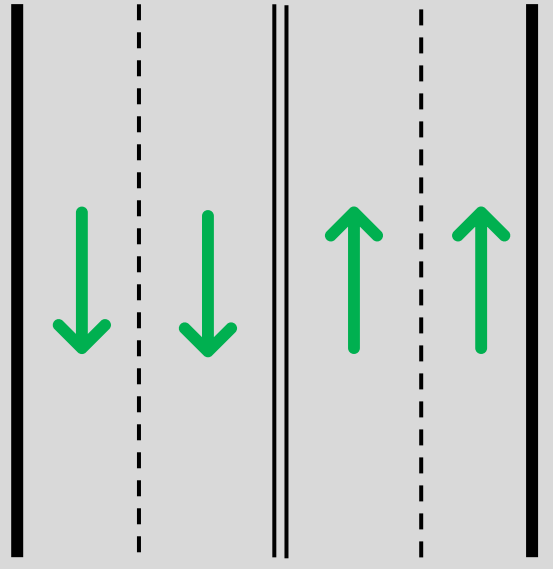
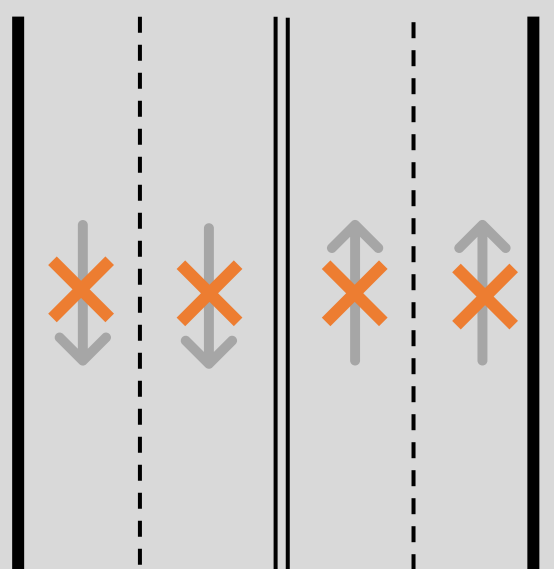
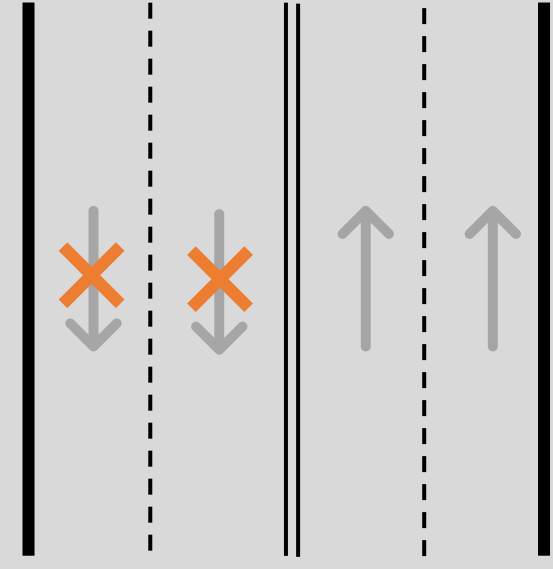
# Intersection Safety and Mobility



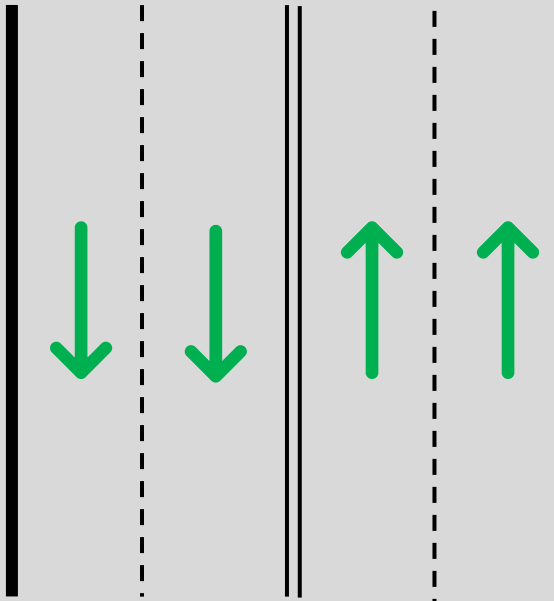
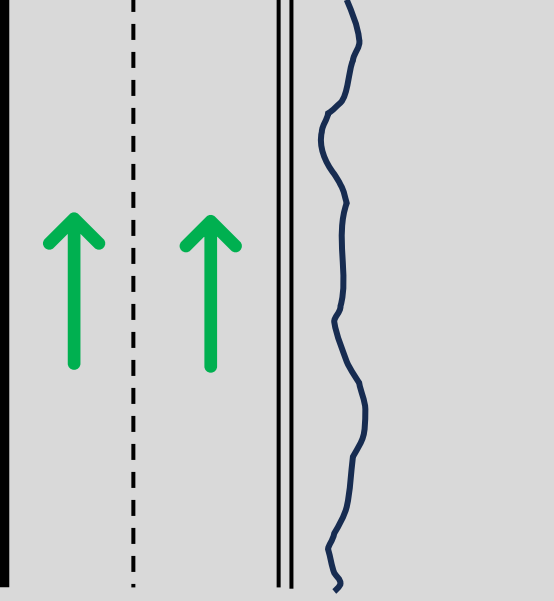
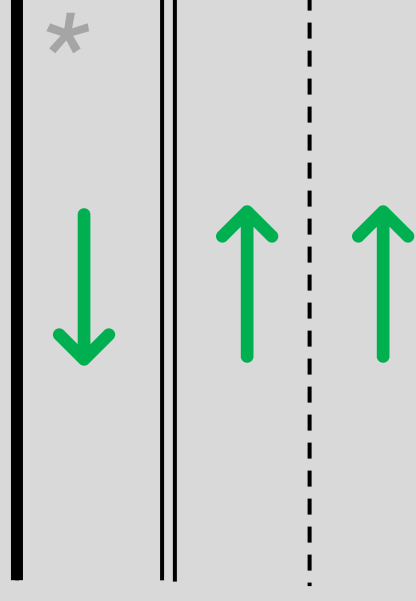
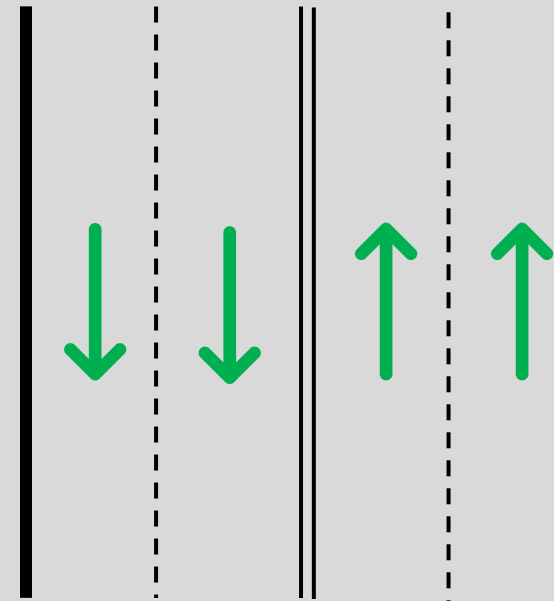
New Intersection	Project Features
✓	Four-way signalized intersection
✓	Simplify intersection, reduce conflicting movements
✓	Manage Traffic Congestion
✓	Improved mobility for bikes and pedestrians
✓	Safety Improvement for all modes of travel
✓	Shared use path extending through intersection



# Traffic During Construction

Summer Travel Time Between ① UVM Medical Center & ② Downtown Winooski			
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.)
Regional Conditions			
Lanes on the Bridge			

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

Construction Progression	
Construction Stage	Lanes on the Bridge
Partial Construction, Upstream of Existing Bridge	
↓	
Remove Portion of Existing Bridge; Complete Upstream Construction <i>4-6 Months</i>	
↓	
Transfer Traffic; Complete Demolition; Complete Construction <i>12-16 Months</i>	
↓	
Fully Open Bridge; Site Restoration	

\* SB to Riverside Avenue Only

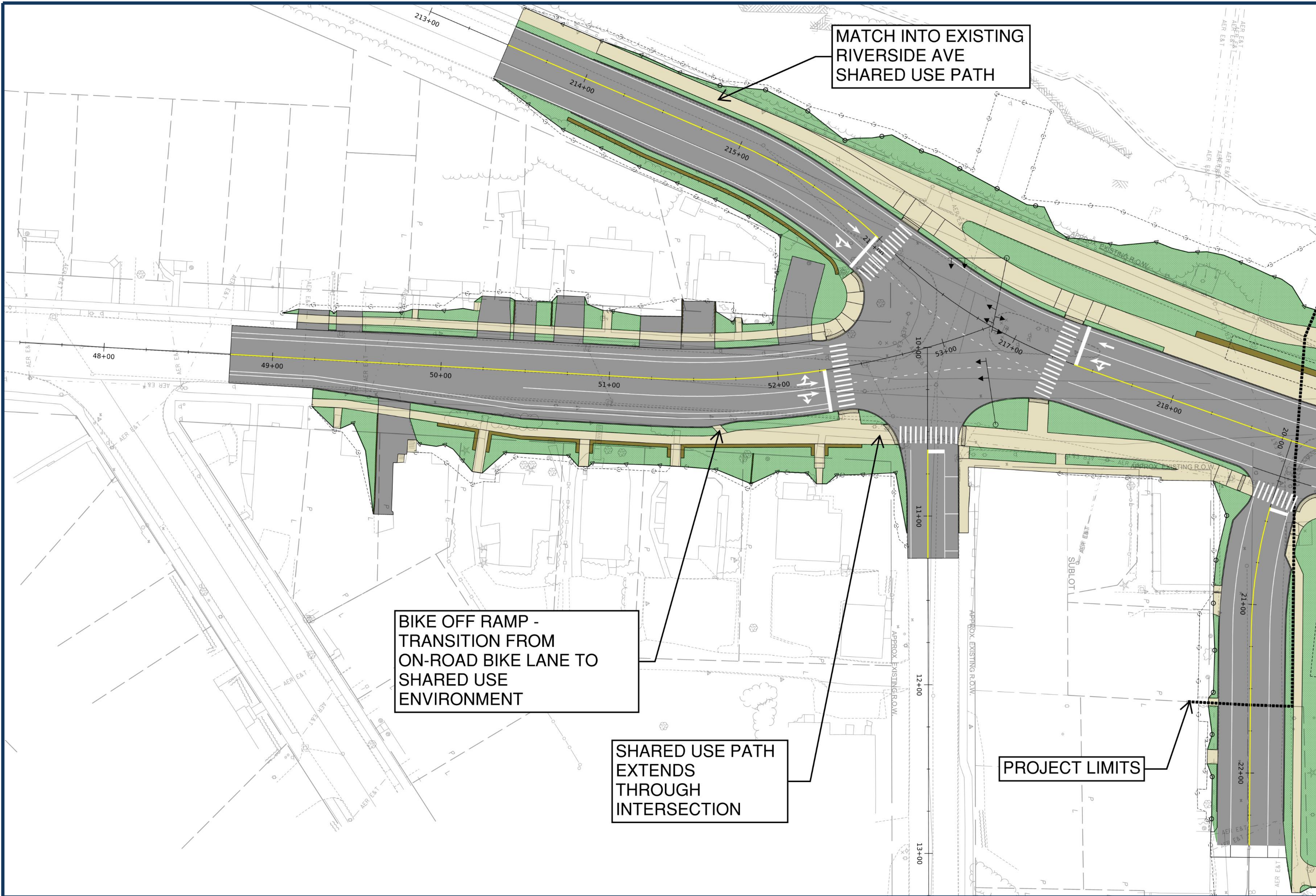


MATCH INTO EXISTING RIVERSIDE AVE SHARED USE PATH

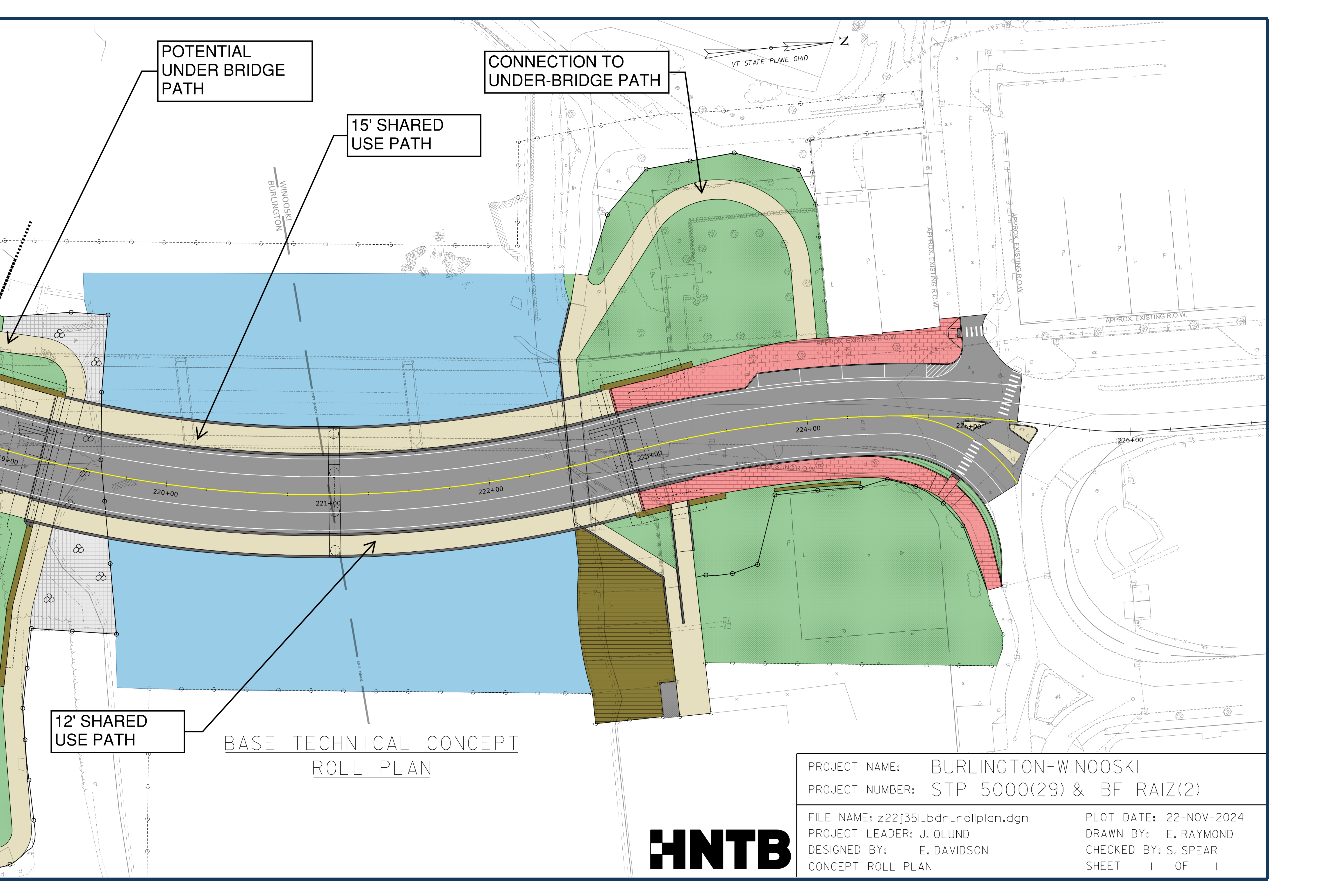
BIKE OFF RAMP - TRANSITION FROM ON-ROAD BIKE LANE TO SHARED USE ENVIRONMENT

SHARED USE PATH EXTENDS THROUGH INTERSECTION

PROJECT LIMITS







POTENTIAL UNDER BRIDGE PATH

CONNECTION TO UNDER-BRIDGE PATH

15' SHARED USE PATH

12' SHARED USE PATH

BASE TECHNICAL CONCEPT ROLL PLAN

PROJECT NAME: BURLINGTON-WINOOSKI  
 PROJECT NUMBER: STP 5000(29) & BF RAIZ(2)

FILE NAME: z22j35l\_bdr\_rollplan.dgn  
 PROJECT LEADER: J. OLUND  
 DESIGNED BY: E. DAVIDSON  
 CONCEPT ROLL PLAN

PLOT DATE: 22-NOV-2024  
 DRAWN BY: E. RAYMOND  
 CHECKED BY: S. SPEAR  
 SHEET 1 OF 1

