

# St Peter Bridge Bikeway Location Analysis

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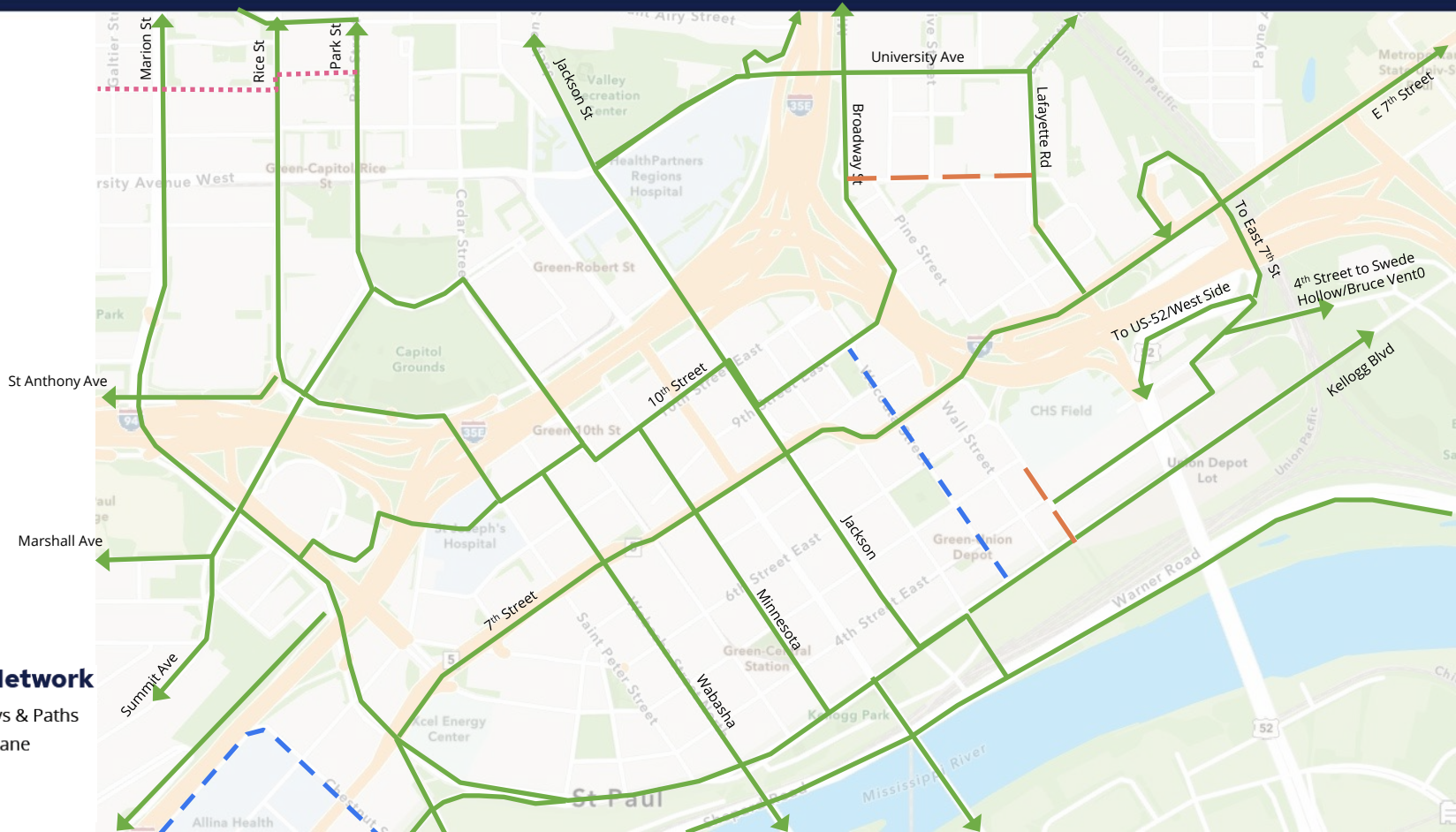






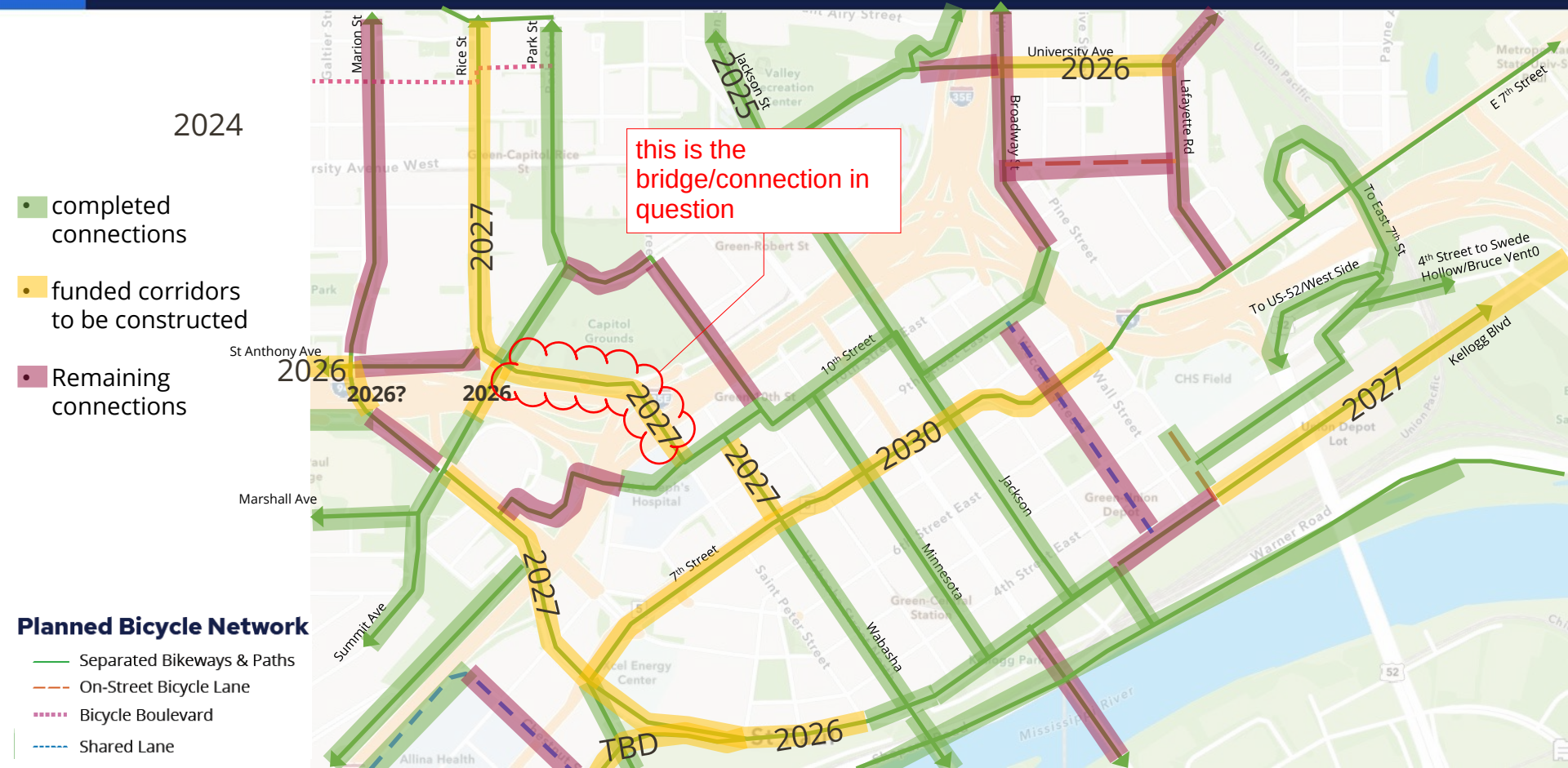
# Planned Bicycle Network

Proposed/Draft April 2024



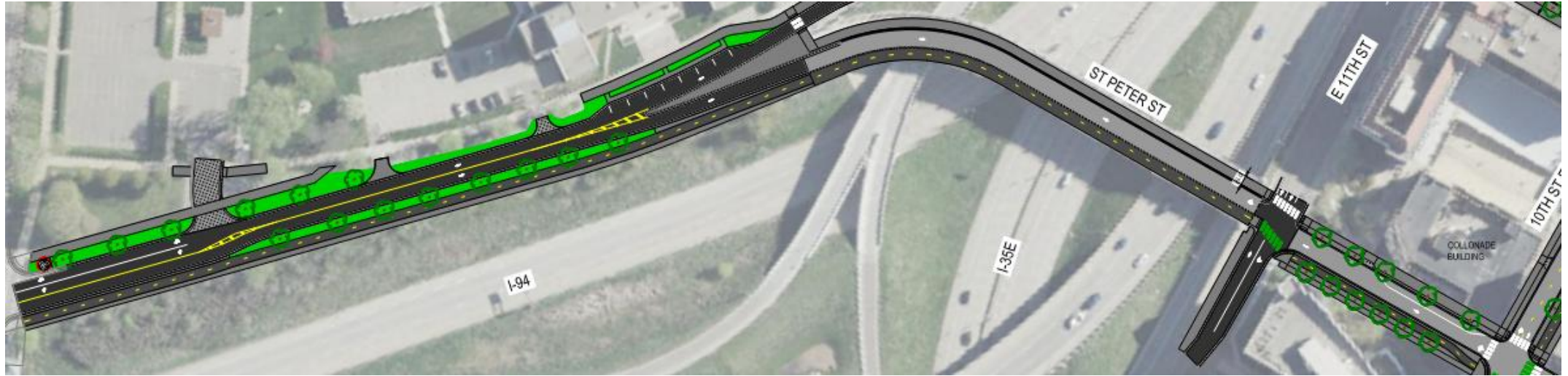
## Planned Bicycle Network

- Separated Bikeways & Paths
- - - On-Street Bicycle Lane
- ..... Bicycle Boulevard
- - - Shared Lane





## West Side Layout

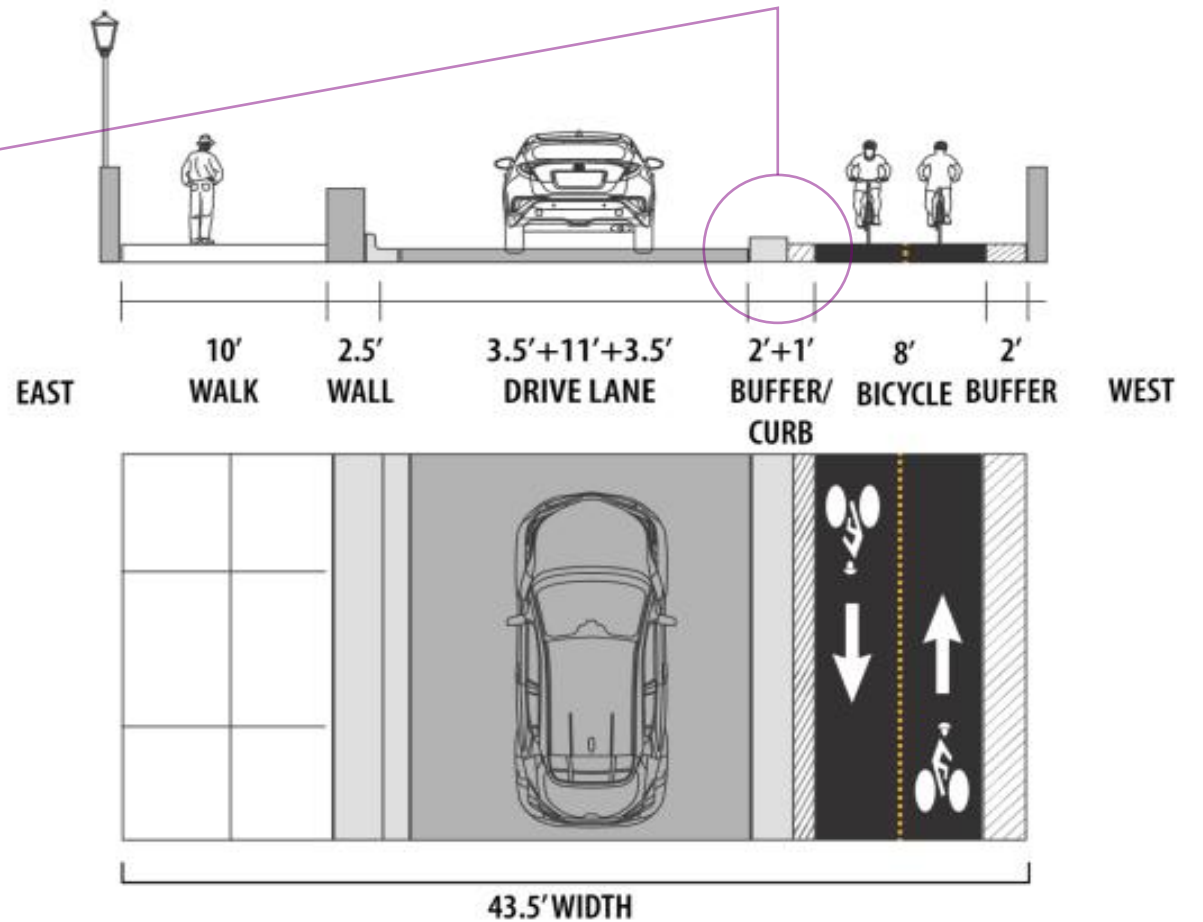
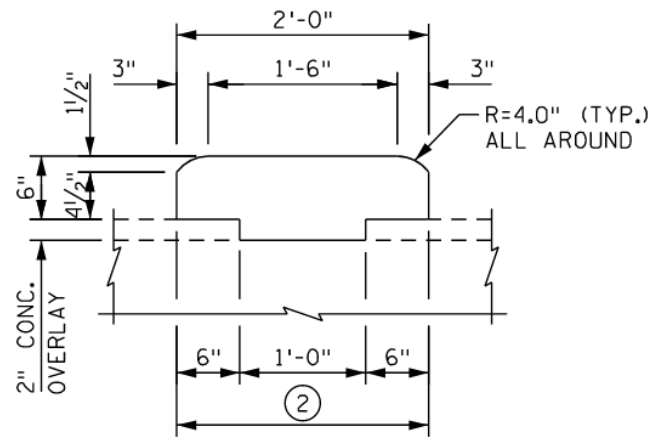


## East Side Layout





# Preferred Option - West Side Bikeway





# West Side Bikeway

## Pros

- Provides Best Bikeway Network Continuity with Seamless Tie into Rice Street Facility and Fewer Crossings
- Strong Public Preference
- No Bicycle Crossings at Unsignalized Intersections
- Better Separation of Pedestrian and Bicycle Facilities
- Fewer Bike-Ped Conflict Points
- Allows Wider Sidewalk Café Outside Active Street Fronts on St Peter
- Smallest Impact to St Peter Street Bridge
- Most Cost Effective Option
- Shortest Duration of Bridge Construction

## Cons

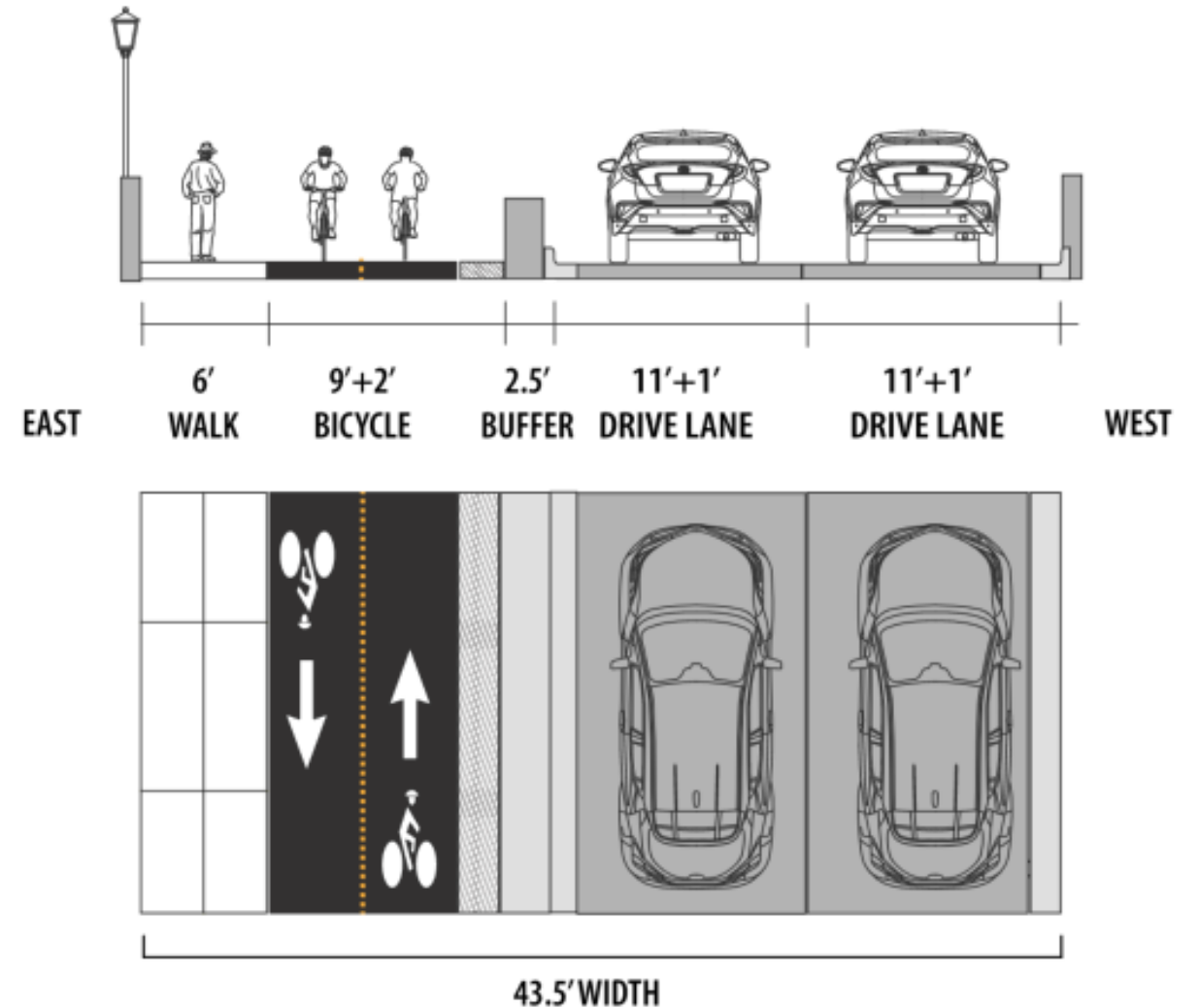
- Potential Sightline Issues for SB traffic and 11<sup>th</sup> St Intersection
  - Mitigating with Offset of Ramp to create more space clear of Bridge Pylon
- More Complex Maintenance
  - Snow Removal can no longer be done with the Street
  - Spring Cleaning Would Require Bridge Closure

snow will get pushed back and forth bc there is no space for snow storage -- creates very time-consuming operations

can't get the snow off in one pass due to separation of ped, veh, bike



# Alternate Option - East Side Bikeway





# East Side Bikeway

## Pros

- Barrier Protection from Moving Vehicles on the Bridge
- Improved Sightlines at 11<sup>th</sup> St Off Ramp
  - Facility Being On the Opposite Side of the Intersection from Interstate Off Ramp Provides Easier Line of Sight
- Improved Intersection Geometry at 11<sup>th</sup> Street Intersection
  - Lanes Across Intersection May Line Up Better
  - Easier Turns More Likely to Enable Placement of Bump Out Into 11<sup>th</sup> Street
- Less Complex Maintenance
  - Would Work Same as it Does Now
- Improved Bicycle Access to Veterans Services Building

## Cons

- Bikeway Network Continuity May be Confusing If It Changes Sides of the Street at John Ireland
- Requires An Additional Street Crossing
- Public Does Not Prefer the Routing
- Worse Bike-Ped Separation on Bridge and at Businesses On St Peter
- Reduces the Ability for St Peter St Sidewalk Café Space
- Moving or Replacing the Existing Barrier Will Create Significantly More Impacts to the Bridge Deck
  - Bridge Deck Impacts with Relocated Barrier Undetermined at this Time
- Bridge Work Will Be Significantly More Expensive