

Downtown Washington Street Bridge Replacement

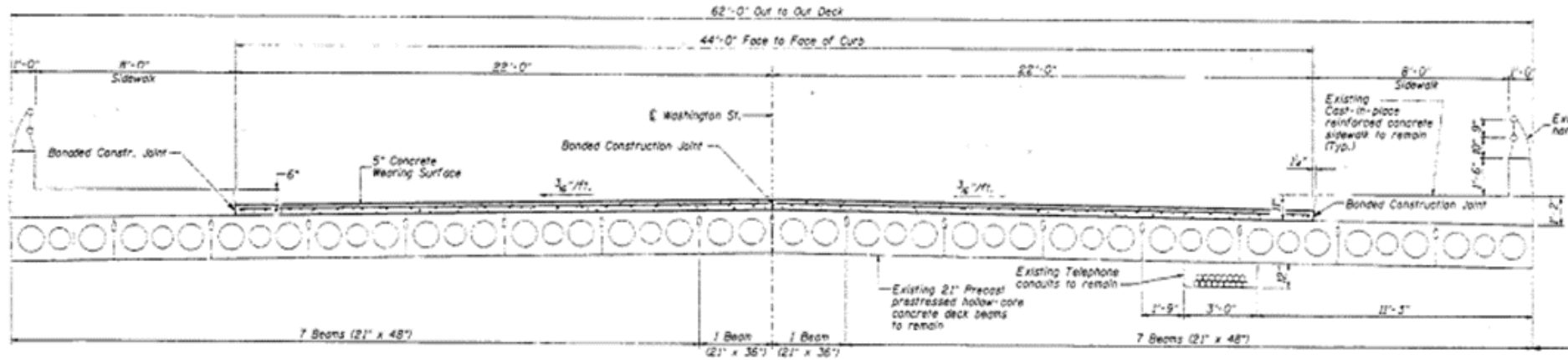


Public Meeting 1 – February 9, 2017

Downtown Washington Street Bridge Replacement

Purpose of Project

1



Existing Structure History

- Originally Built in 1928
- Superstructure Replacement in 1977
- Deck overlay in 2004
- Average daily traffic = 29,800 vehicles

The Need for a New Bridge

- An inspection of the existing bridge indicated that due to the age and condition of the bridge, substantial repairs would be required.
- A feasibility study was conducted in 2014 to review repair options and recommended a full structural replacement.
- The bridge has been load restricted to 15 tons to extend the life of the structure before it is replaced.
- Quarterly inspections are being conducted to ensure the safety of the existing structure

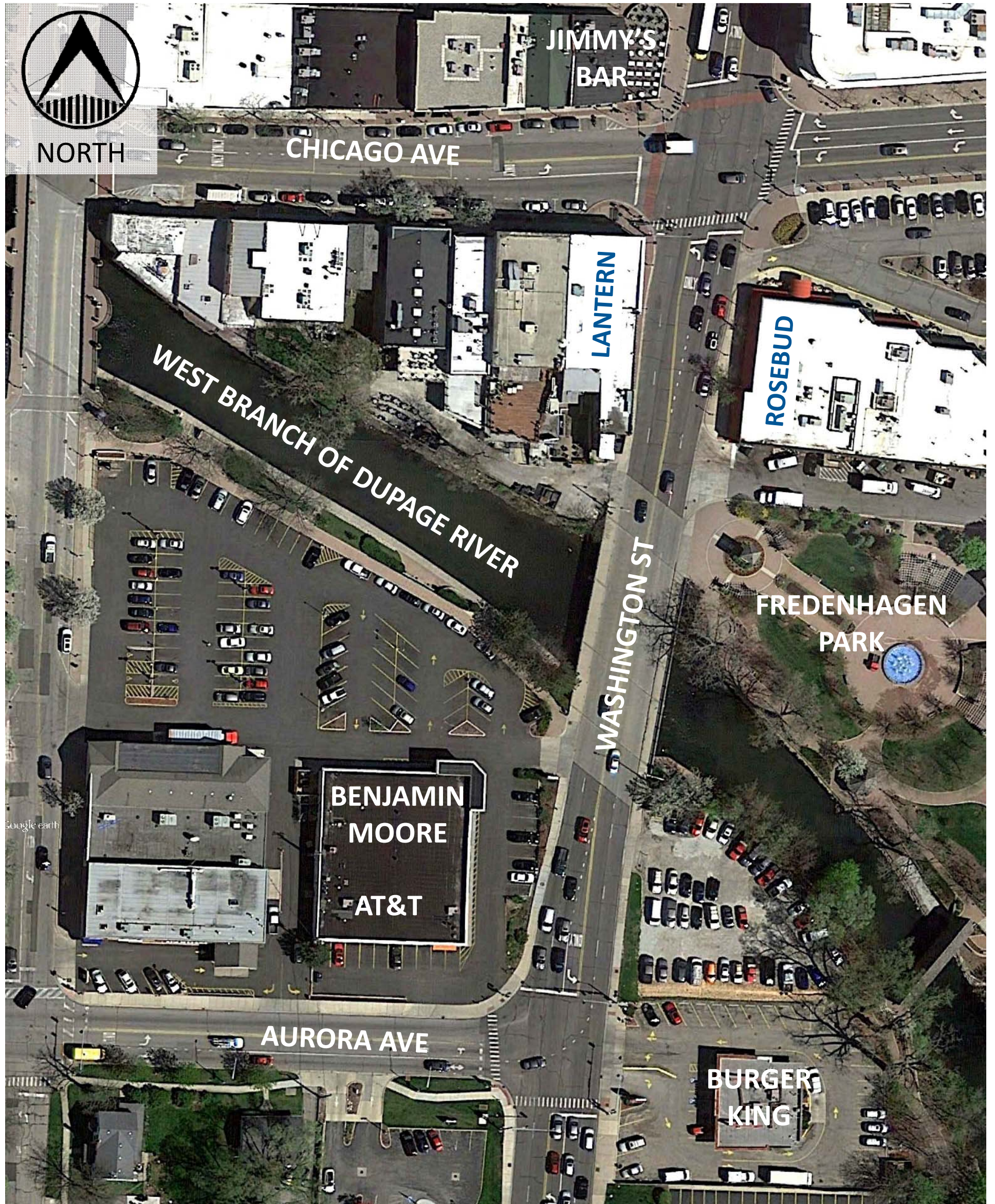


Other Benefits of New Structure

The replacement of an existing structure allows for several other factors along Washington Street to be improved including the existing roadway facility, the Riverwalk and structure aesthetics.

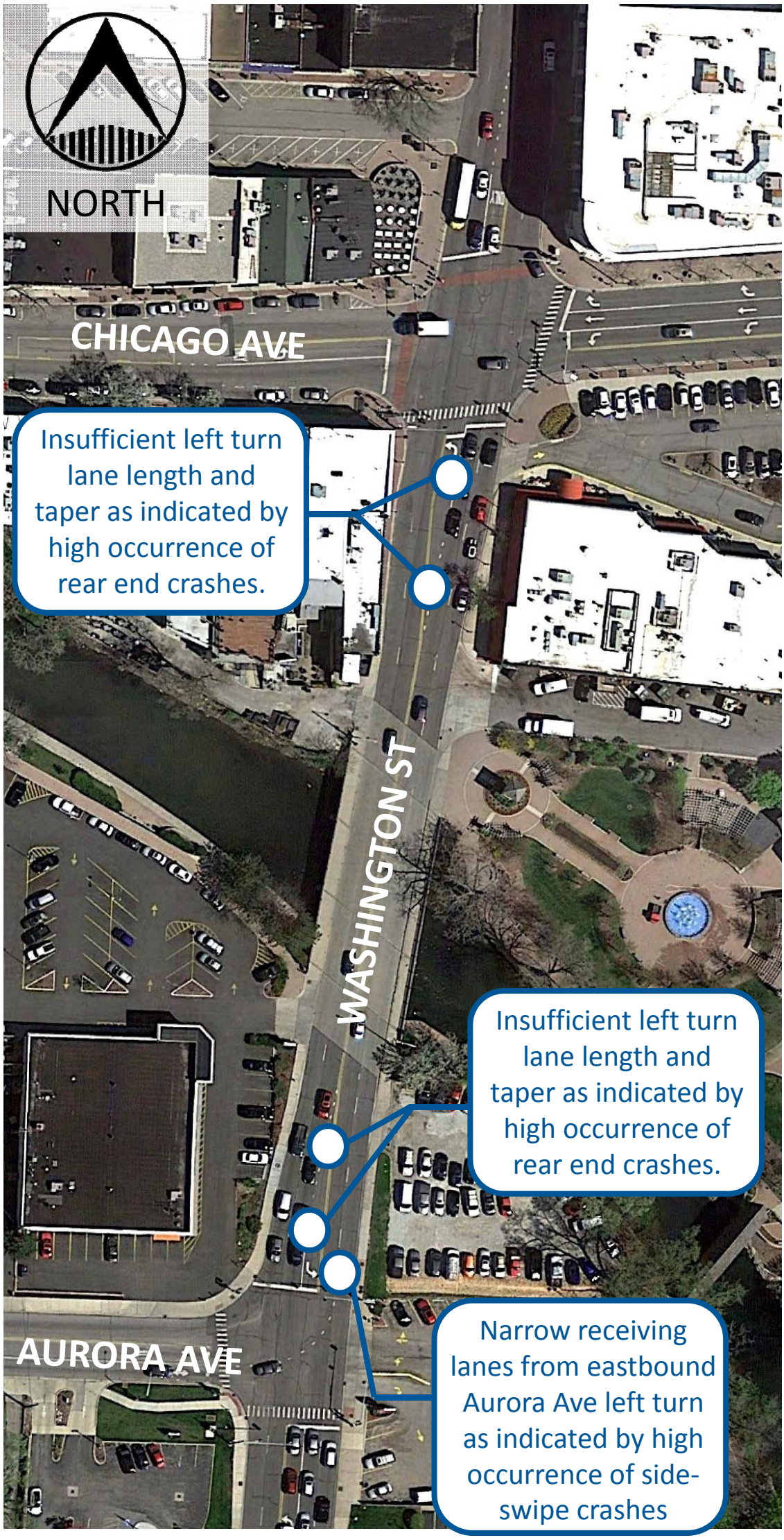
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Existing Land Use

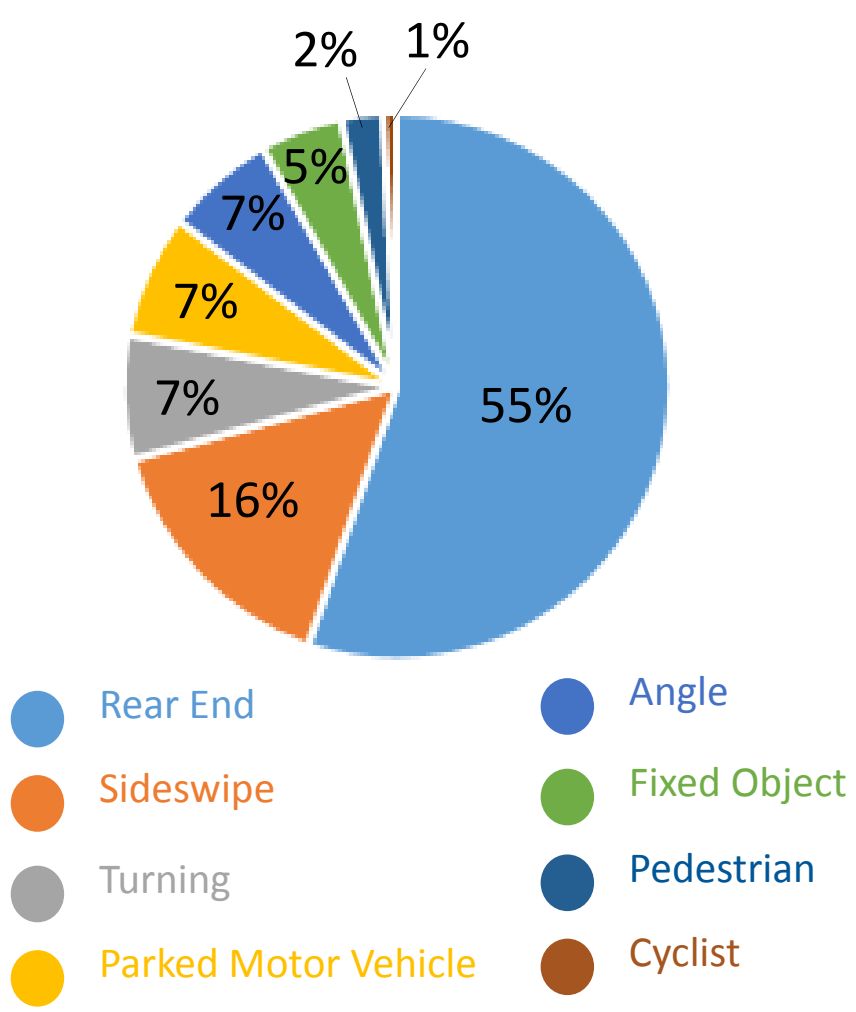


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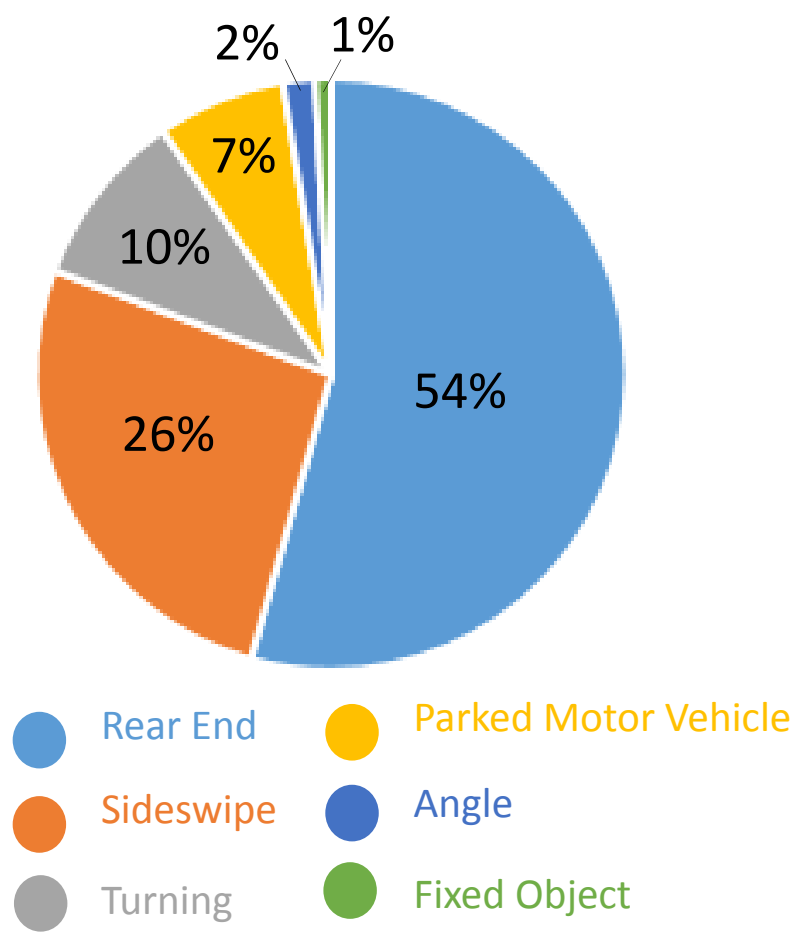
5-Year Crash History/Trends



Chicago/Washington Intersection Crashes (123 Crashes)



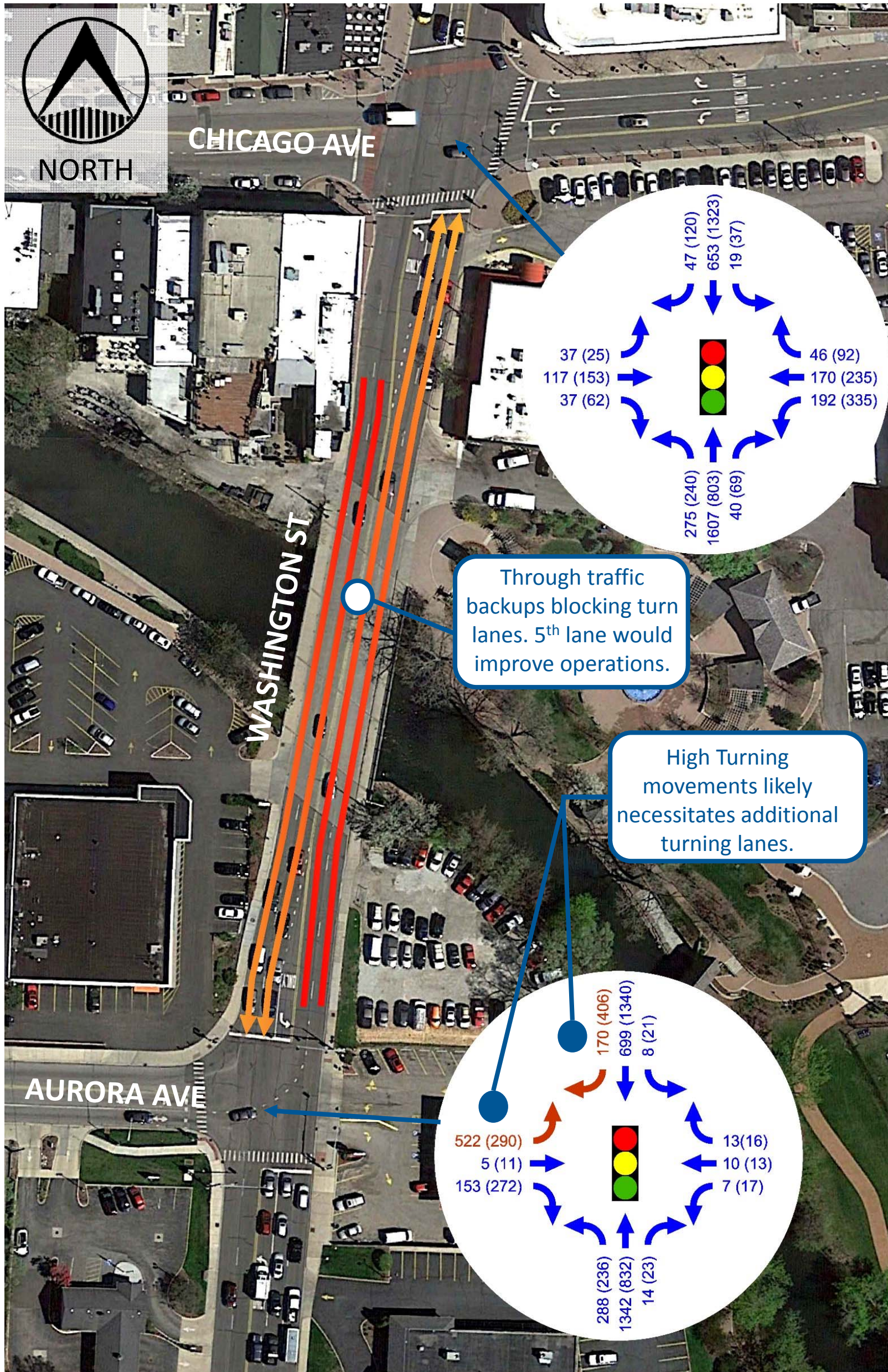
Aurora/Washington Intersection Crashes (114 Crashes)



* Crash history reviewed from July 2011 through August 2016

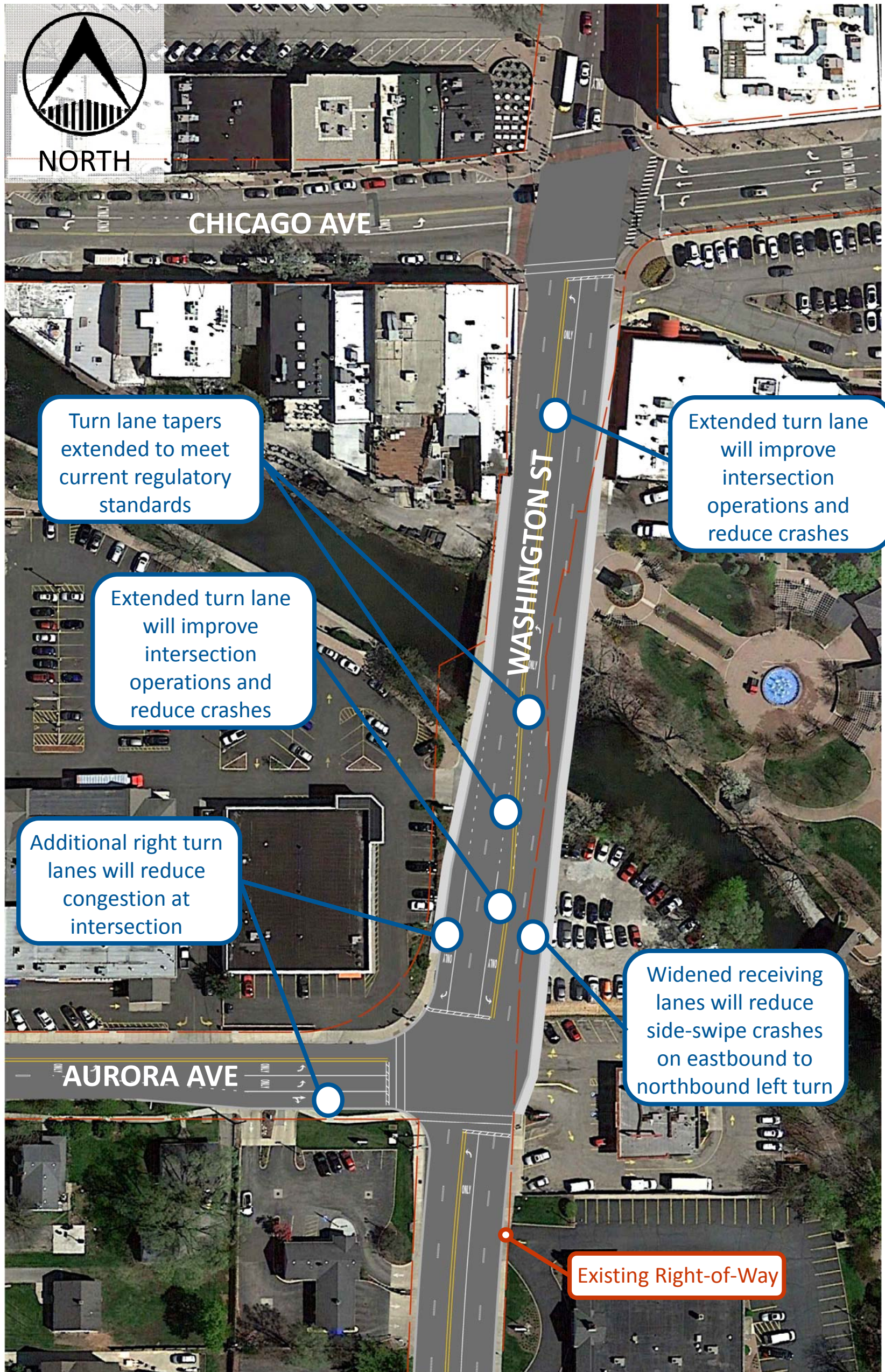
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Traffic/Trends



Downtown Washington Street Bridge Replacement

Potential Traffic Improvements



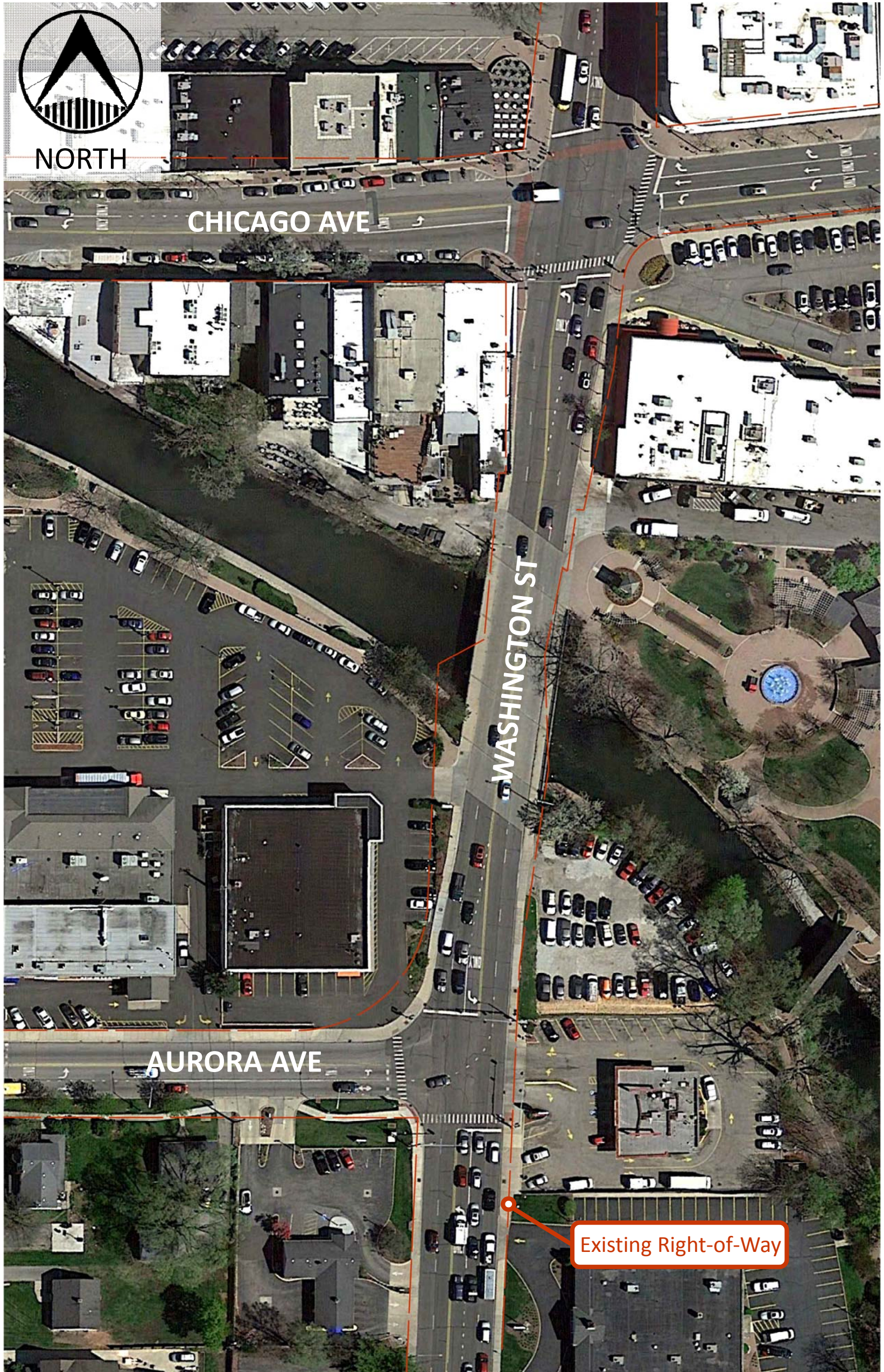
Existing Right-of-Way approximate



Downtown Washington Street Bridge Replacement

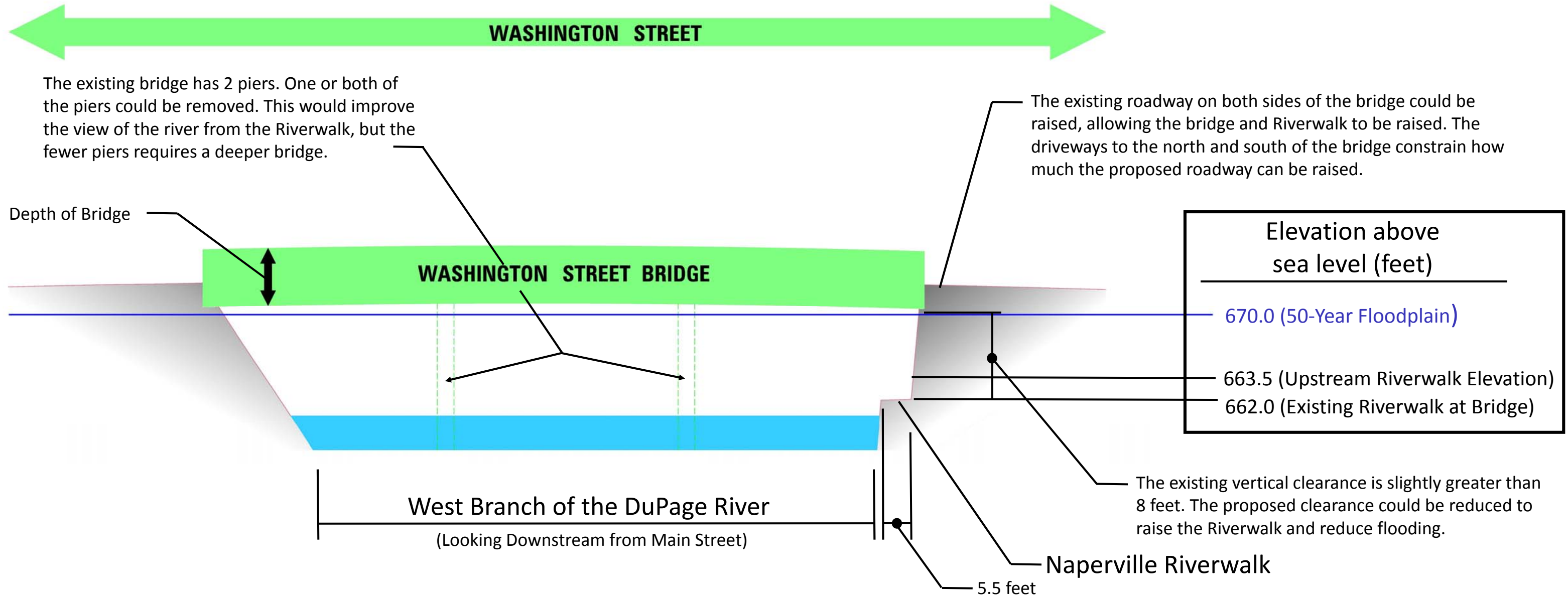
Existing Traffic Conditions

5b



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Bridge and Riverwalk Considerations

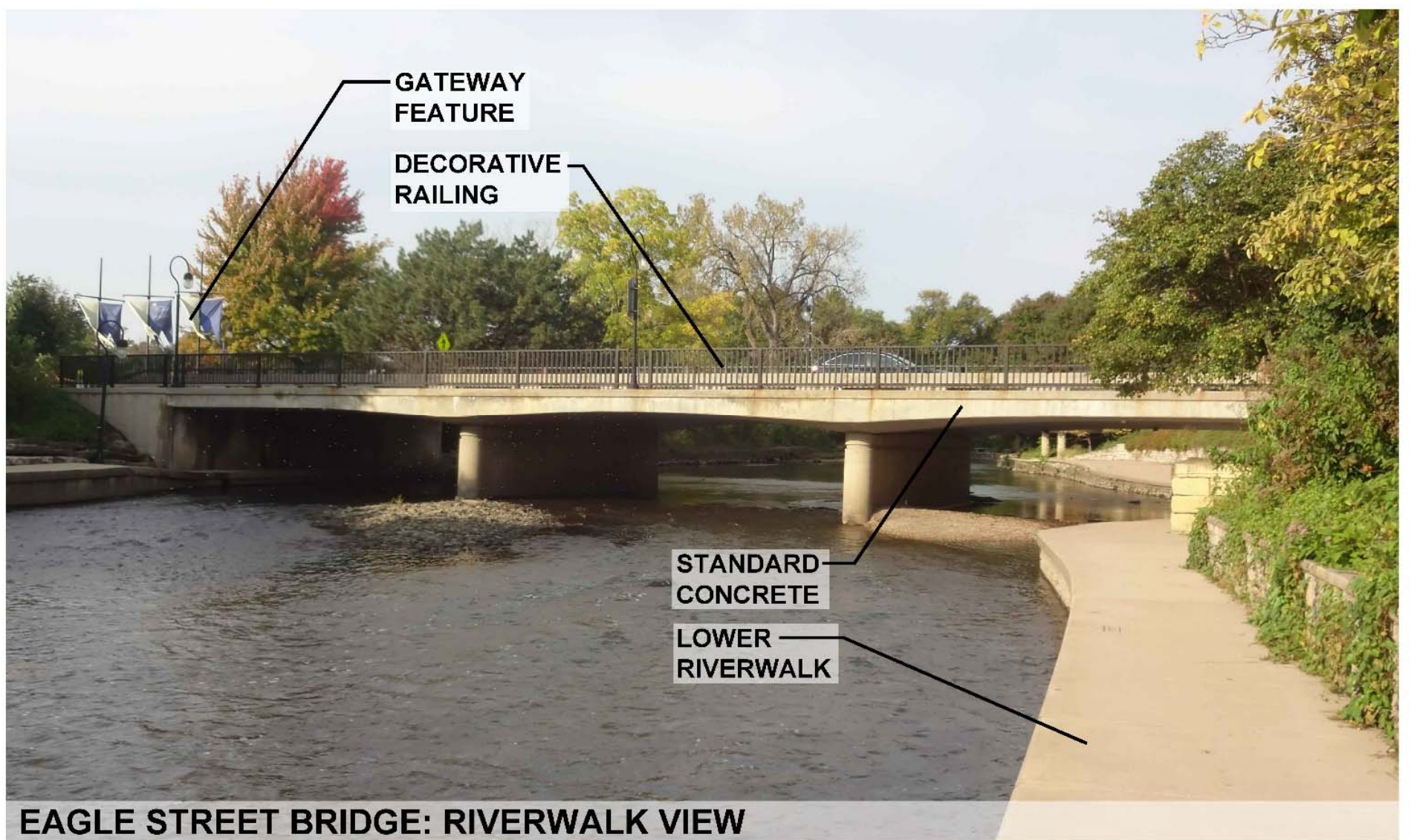


Several bridge types will be considered to maximize head room on the Riverwalk while maintaining the look and feel of Downtown Naperville.



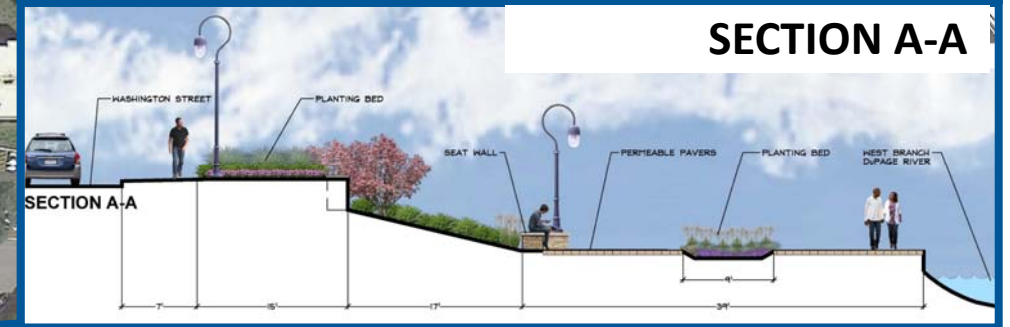
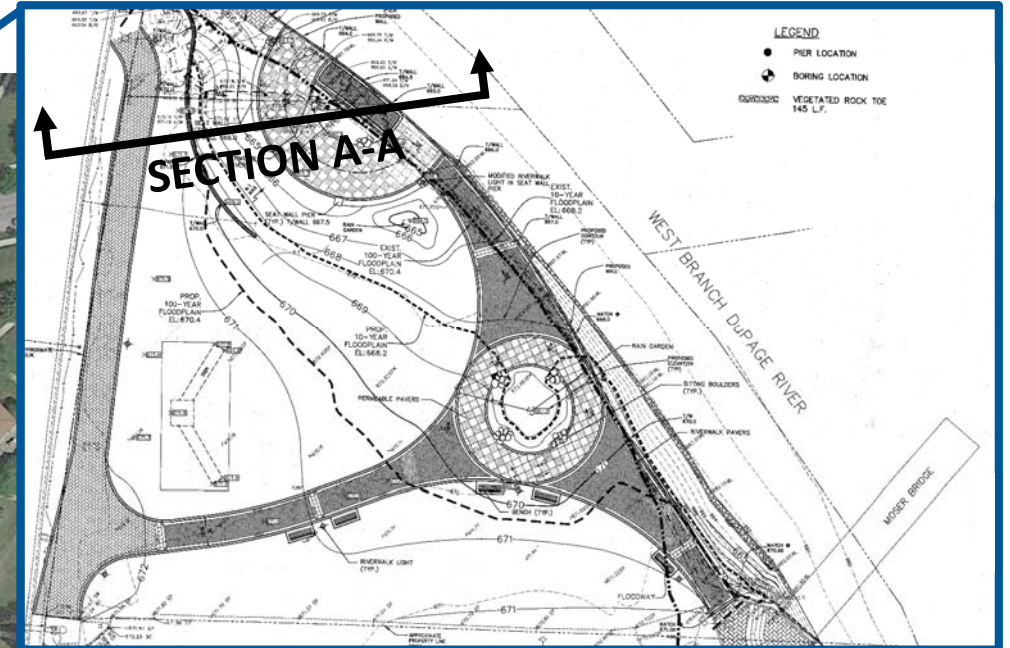
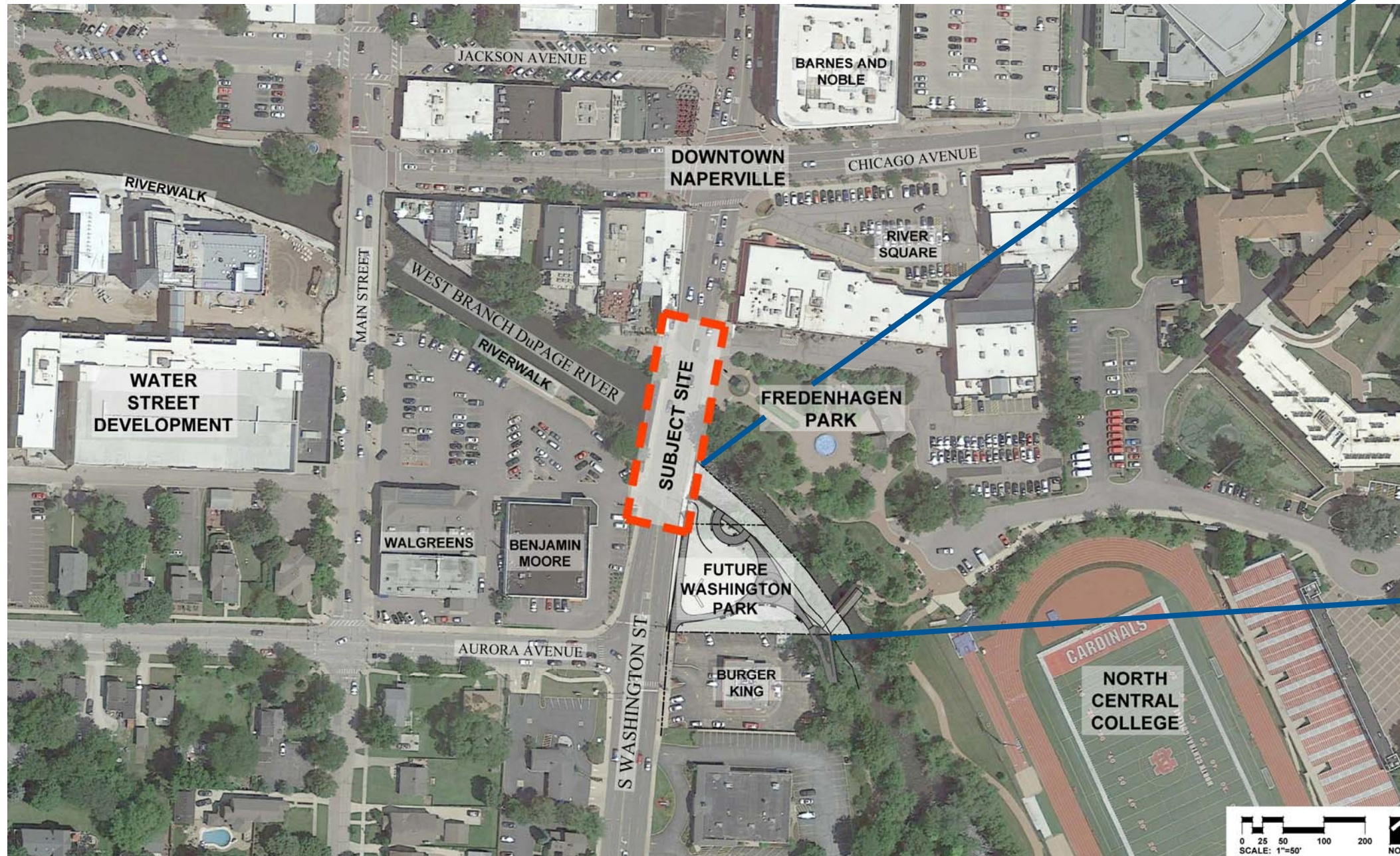
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Bridge and Riverwalk Aesthetics



Downtown Washington Street Bridge Replacement

Potential Aesthetics - Overview



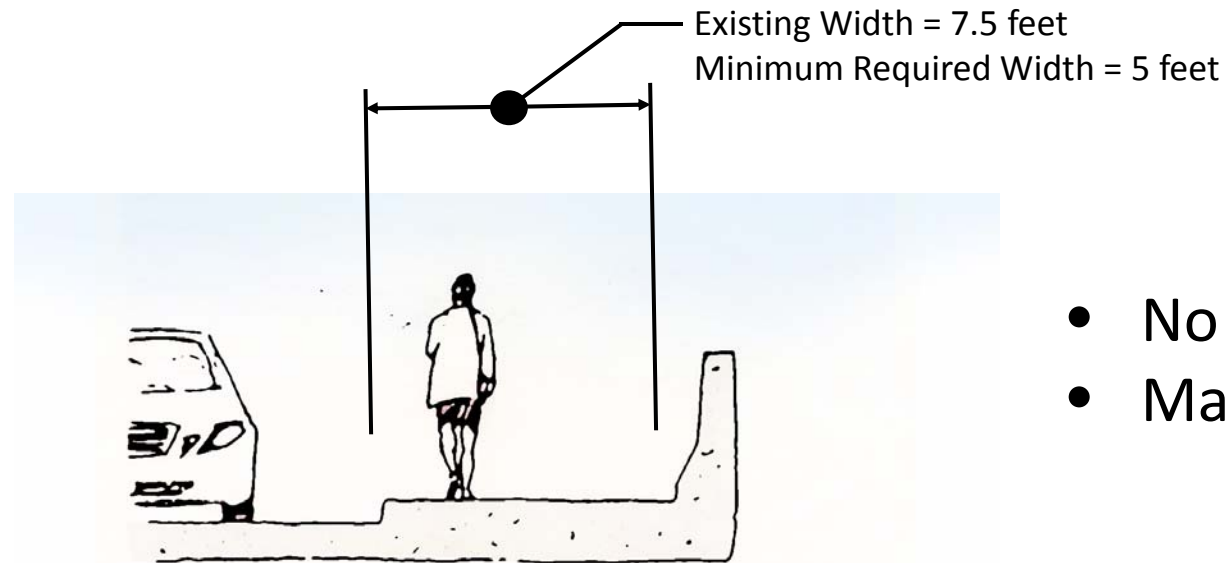
FUTURE WASHINGTON PARK DEVELOPMENT (430 South Washington)

- Independent project of the Washington Street Bridge replacement
- Continues to be part of the City's long range plan pending funding availability
- The Washington Street bridge replacement will be coordinated with the 430 S. Washington Development.

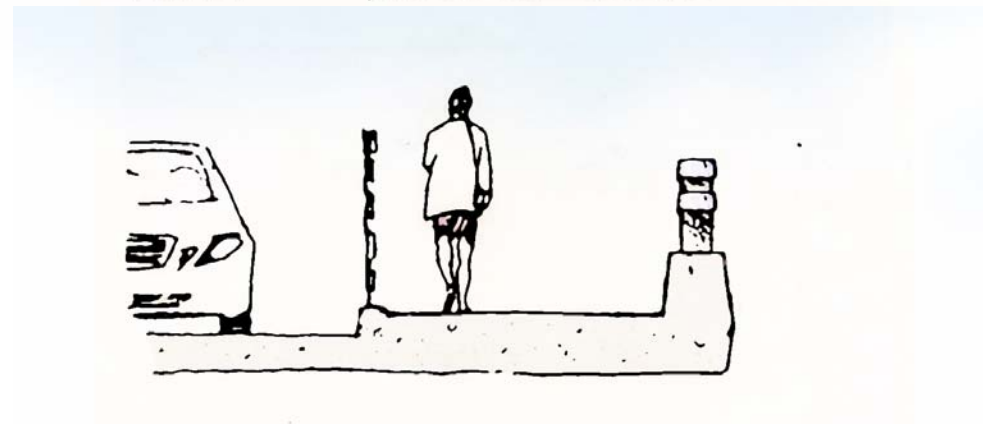
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Sidewalk Considerations

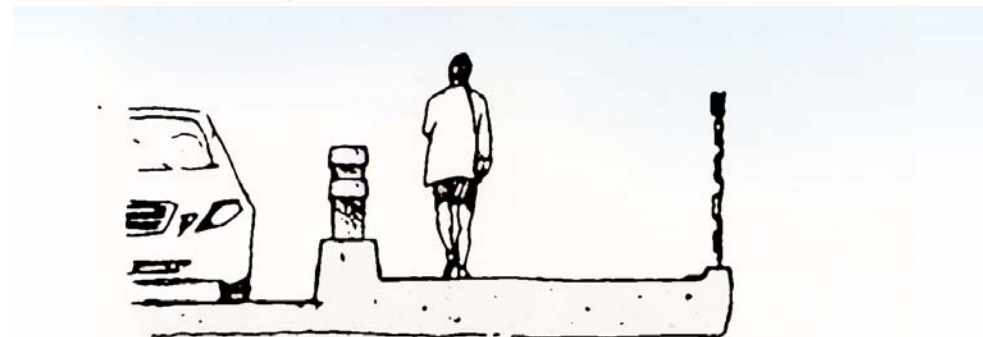
There are several options for sidewalk across the bridge. At least one solid barrier is required across the structure. Additional barriers and the width of the walkway will be determined during the design phase.



- No barrier between traffic and pedestrians.
- Matches existing conditions



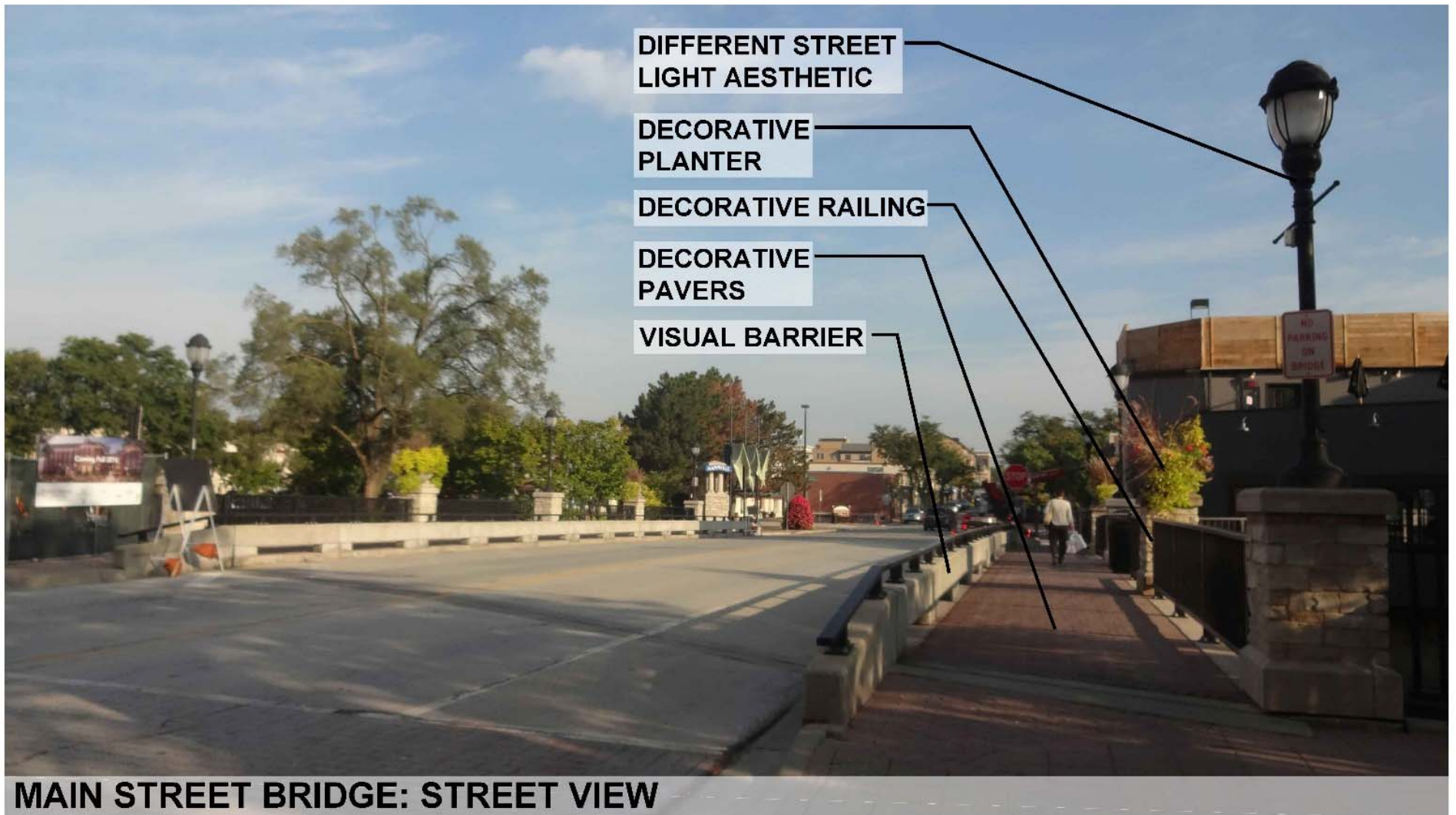
- Non-solid barrier (fence) between traffic and pedestrians



- Solid barrier between traffic and pedestrians
- Similar to Eagle/Main Street
- May require guardrail at terminal ends

* Additional aesthetic options can be viewed on board 10.

Downtown Washington Street Bridge Replacement Sidewalk Aesthetics

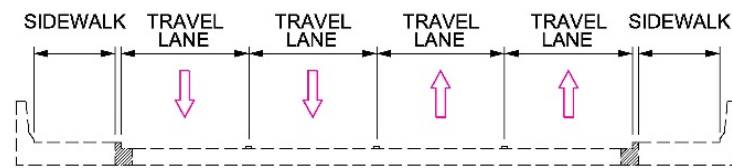


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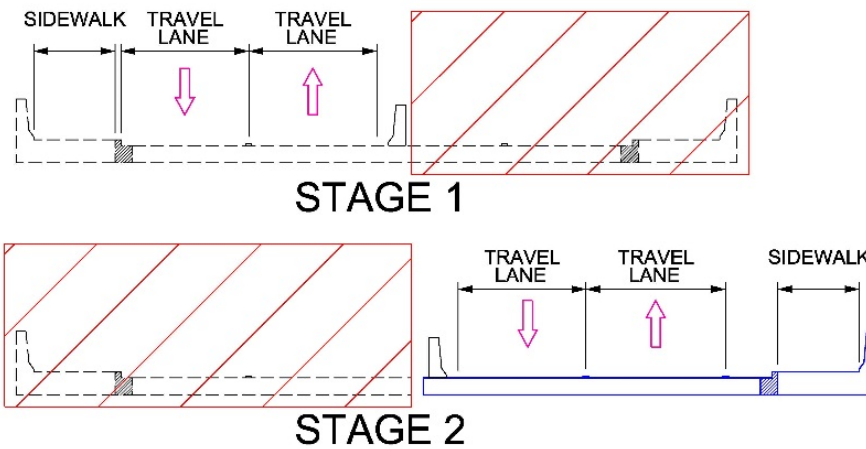
Construction Concepts

Option 1 – Partial Closure with one lane in each direction maintained

- Maintains vehicular traffic across bridge
- Allows for pedestrian traffic across bridge
- Estimated Construction Duration: Multiple Construction Seasons

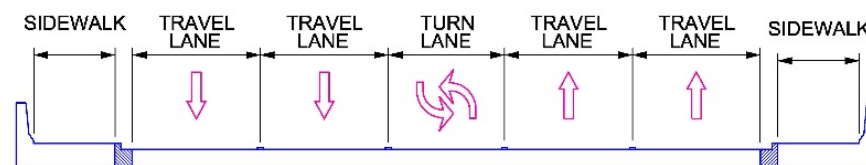


Existing Structure



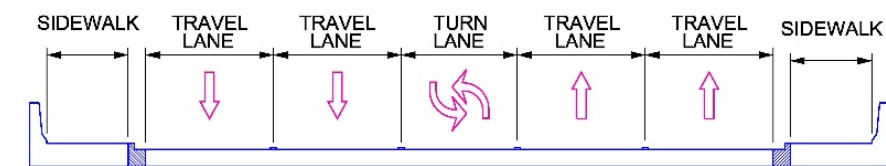
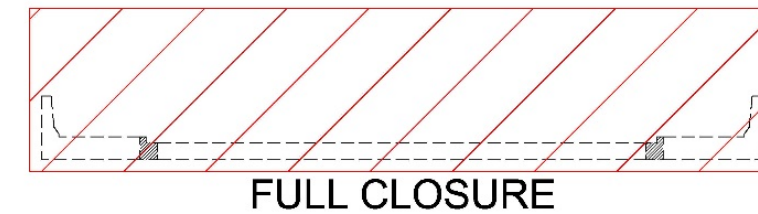
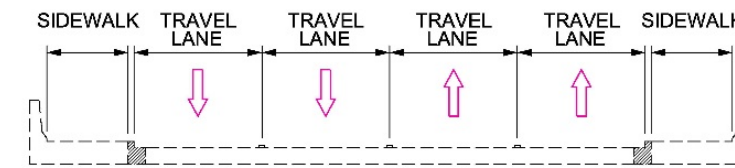
Construction

Final Bridge



Option 2 – Full Closure with Detour

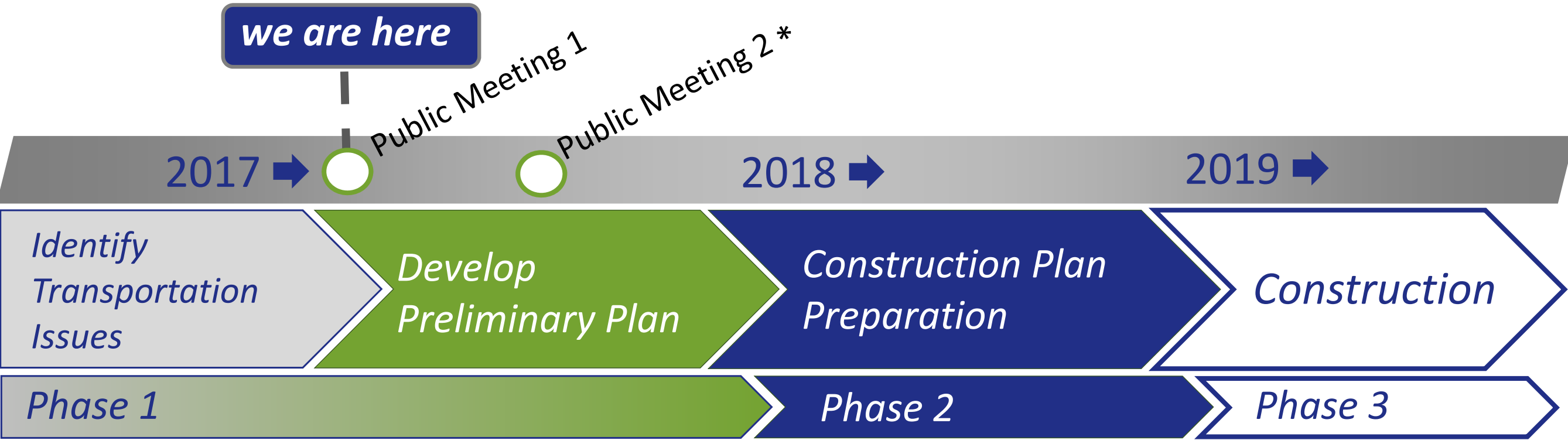
- Reduced construction time allows for less cost of construction
- Estimated Construction Duration: Single Construction Season



(Final Bridge Section to be determined)

Downtown Washington Street Bridge Replacement

Project Schedule



* The second public meeting will be held late spring/early summer of 2017. Using input from this meeting and additional engineering analysis, a preferred alternative will be presented. There will be an opportunity for additional comments on the preferred alternative at the second public meeting.

Your Input Matters!

The City of Naperville is now seeking public input on the proposed designs for the Downtown Washington Street Bridge Replacement Project as well as on the project timeline and other information presented during this public open house. All residents, business people, visitors and more are invited to share their perspectives on the information presented. All the information presented is now available on the project webpage at www.naperville.il.us/dtwashingtonbridge. Public input is being accepted through Wednesday, March 1. For more information, please contact:

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