

# Wisconsin Department of Transportation

## SOUTH BLAIR STREET (US 151) PROJECTS

E. Wilson St./Williamson St. Intersection &  
From E. Wilson St. to Blount St.

November 4, 2019

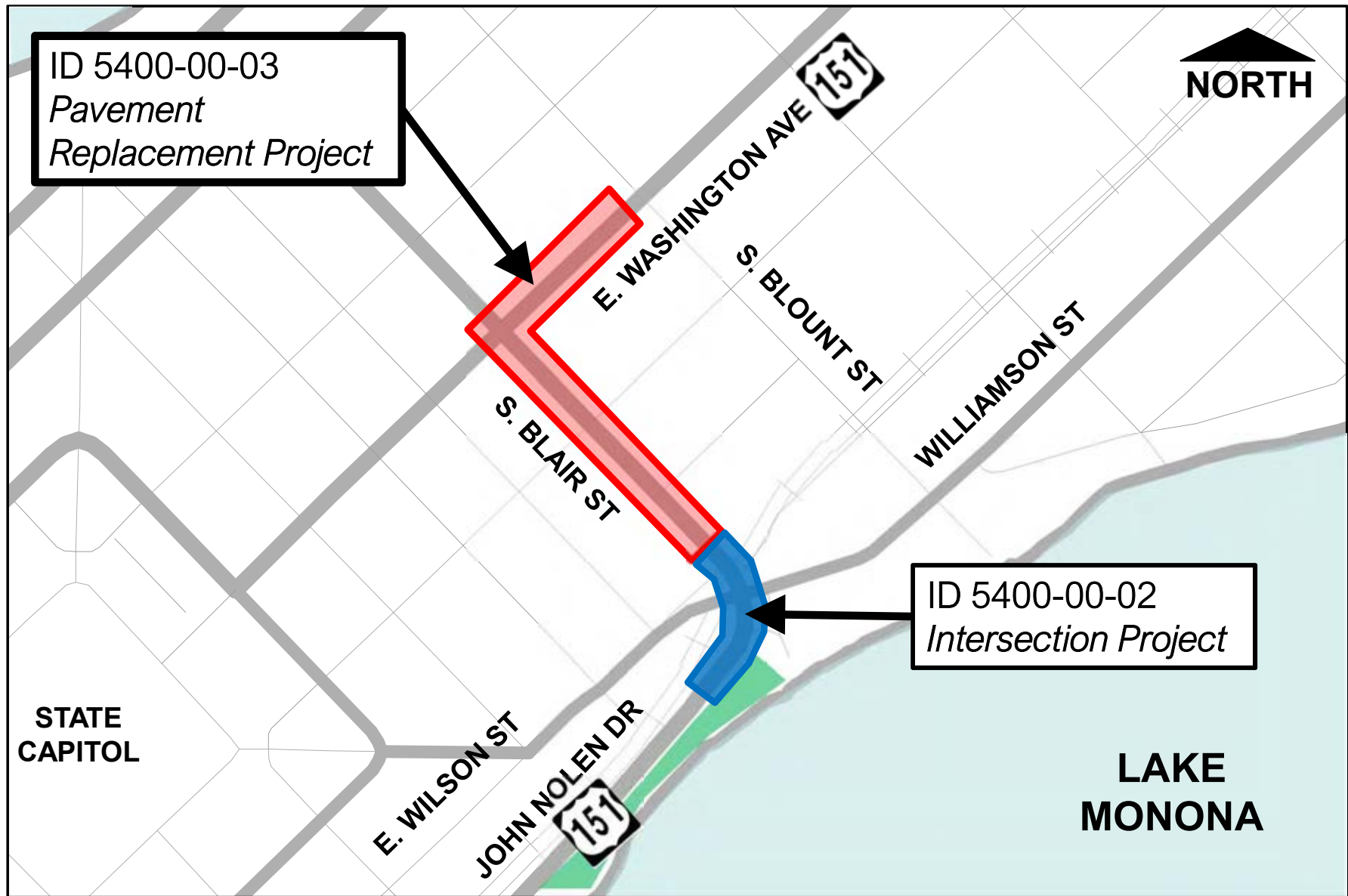


# Overview

- Project Locations & Limits
- Purpose and Need for the Projects
- Additional Considerations
- Tentative Schedule
- Overview of Preliminary Design
- Impacts to Historical Properties & Park Spaces
- Impacts to Street Trees
- Traffic During Construction
- Anticipated Costs
- Assessment Information
- Project Website



## Project Location and Limits



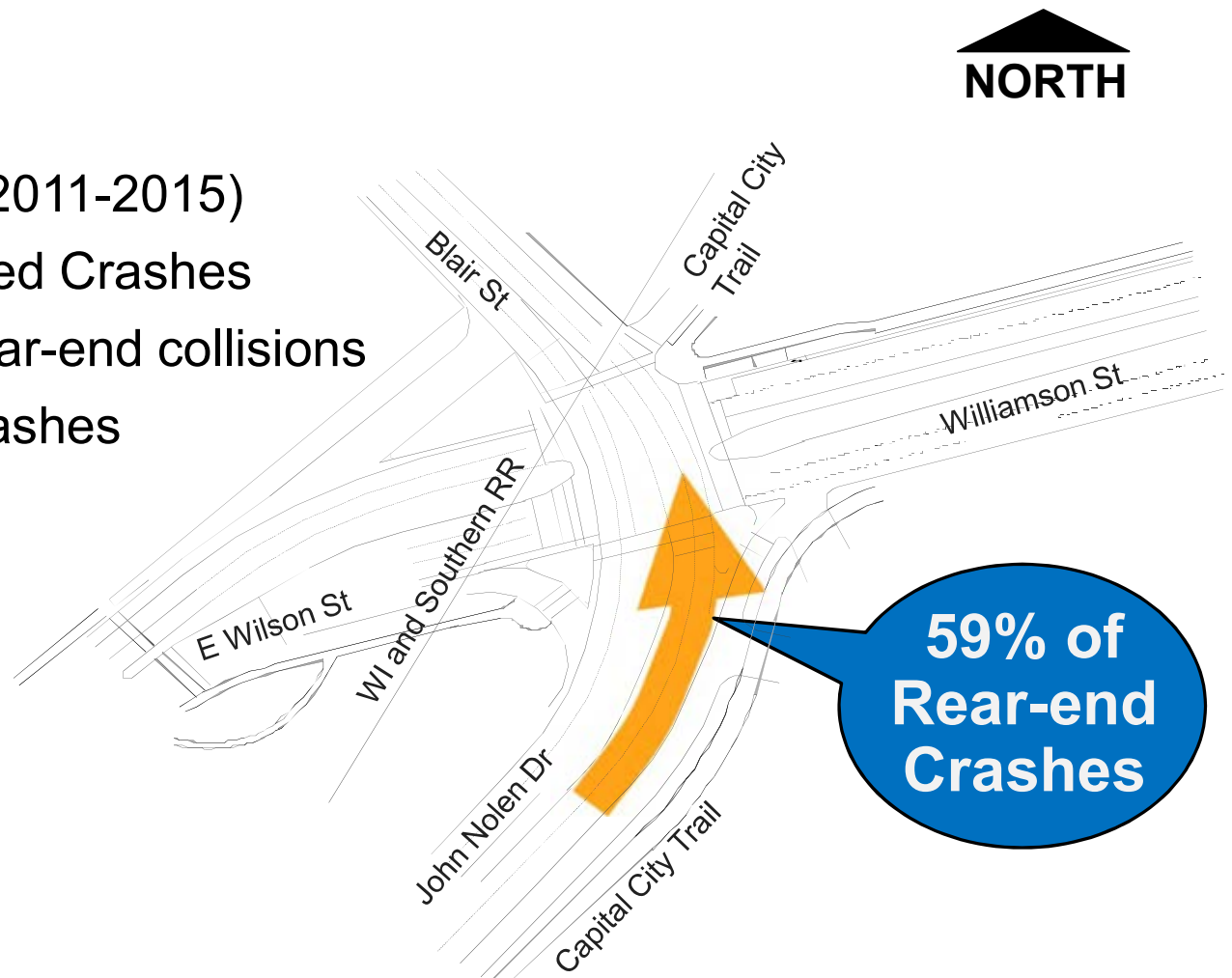
# Purpose of the Intersection Project

- Improve the safety and pavement condition of the intersection
- Primary Needs
  - Safety
  - Poor Pavement Condition



# Need for Intersection Project

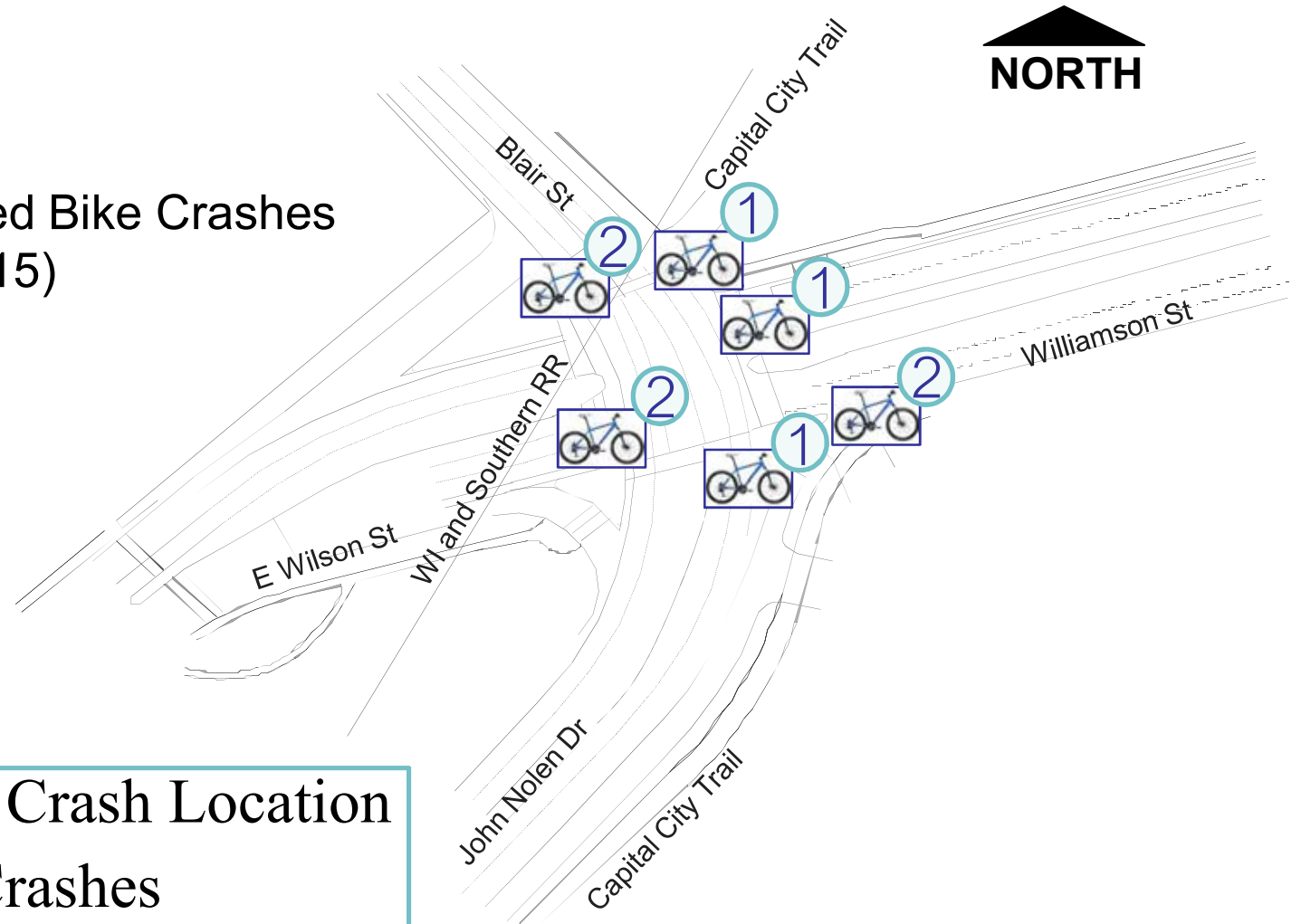
- Safety
  - Crash History (2011-2015)
  - 92 Total Reported Crashes
    - 46/92 → Rear-end collisions
    - 9 → Bike Crashes





# Need for Intersection Project

- Safety
  - 9 Reported Bike Crashes (2011-2015)



Bicycle Crash Location



# of Crashes

# Need for Intersection Project

- Poor Pavement Condition
  - Constructed in 1985
  - Pavement rated a 3 to 5 out of 10
  - Curb & Gutter rated 6 to 7 out of 10



# Purpose of the Pavement Replacement Project

- Improve the pavement condition of South Blair Street and East Washington Avenue (both US 151)
- Primary Need
  - Poor Pavement Condition





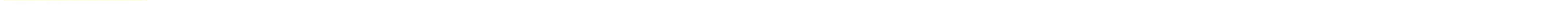
# Need for Pavement Replacement Project

- Poor Pavement Condition
  - Constructed in 1985
  - Pavement rated a 3 to 4 out of 10
  - Curb & Gutter rated 6 out of 10



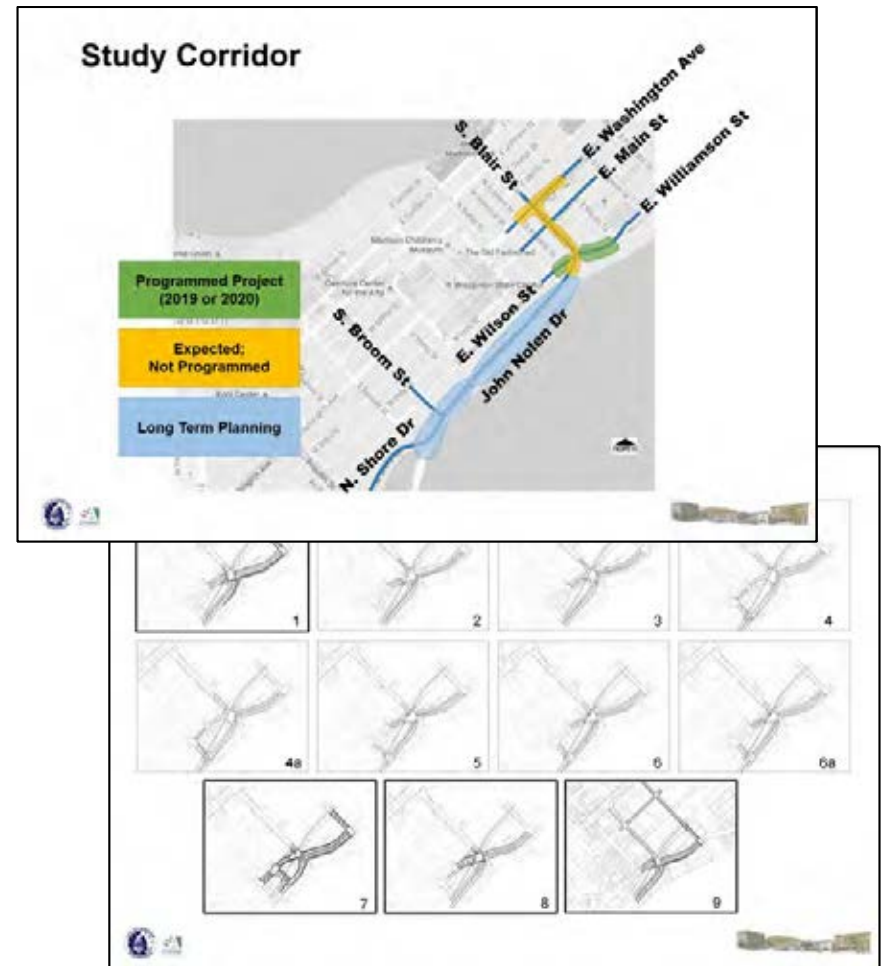
# Additional Pavement Replacement Project Needs

- Sanitary Sewer
  - Ranges from 8 to 10-inches built in 1906 to 1907
- Americans with Disabilities Act (ADA)  
Curb Ramps



# Additional Considerations

- Previous City study of project area from 2016 to 2017.
  - Three Public Meetings Held
  - Multiple Alternatives Reviewed for Intersection project
  - Recommended Alternative Received Highway Safety Improvement Program (HSIP) Funding



# Additional Considerations

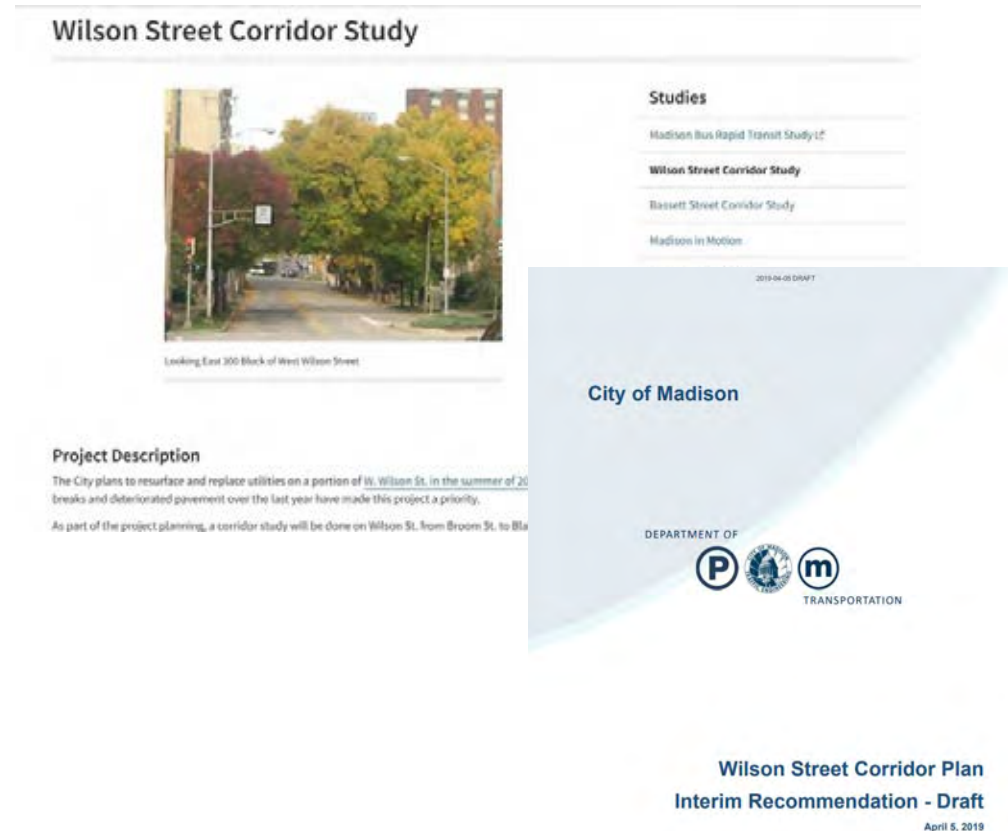
- Long-term Planning for Law Park
  - Separate, City Parks Study Started in 2019
  - Working to Identify Long Term Opportunities



**LAW PARK PUBLIC OUTREACH**  
**EXISTING CONDITIONS (EAST OF MONONA TERRACE)**

# Additional Considerations

- Wilson Street Corridor Study
  - Separate, City Study Started in 2018
  - Identifying Long Term Vision for Wilson Street
  - 3 Public Meetings Held to Date

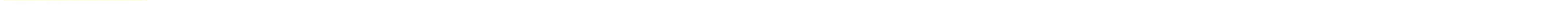


Wilson Street Corridor Study Website:

<https://www.cityofmadison.com/transportation/studies/wilson-street-corridor-study>

## Tentative Schedule:

- 30 Percent Design – Summer 2019 to Fall 2019
- ***Public Meeting No.1 – November 4, 2019***
- Complete Preliminary Design – Spring 2020
- Public Meeting No.2 Spring/Summer 2020
- Final Design - Summer 2020 to Summer 2021
- Public Meeting No.3 (if needed) - Fall 2020
- Public Meeting Prior to Construction - Spring 2022
- Construction - 2022





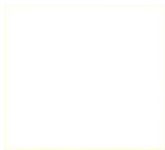
## Project Scope:

- Pavement
- Curb and Gutter
- Improvements to the South Blair Street and John Nolen Drive Intersection
- Sidewalk and Curb Ramps
- Storm Sewer Adjustments as Needed
- Lighting
- Sanitary Sewer
- Water Main Adjustments as Needed
- Pavement Marking
- Signing

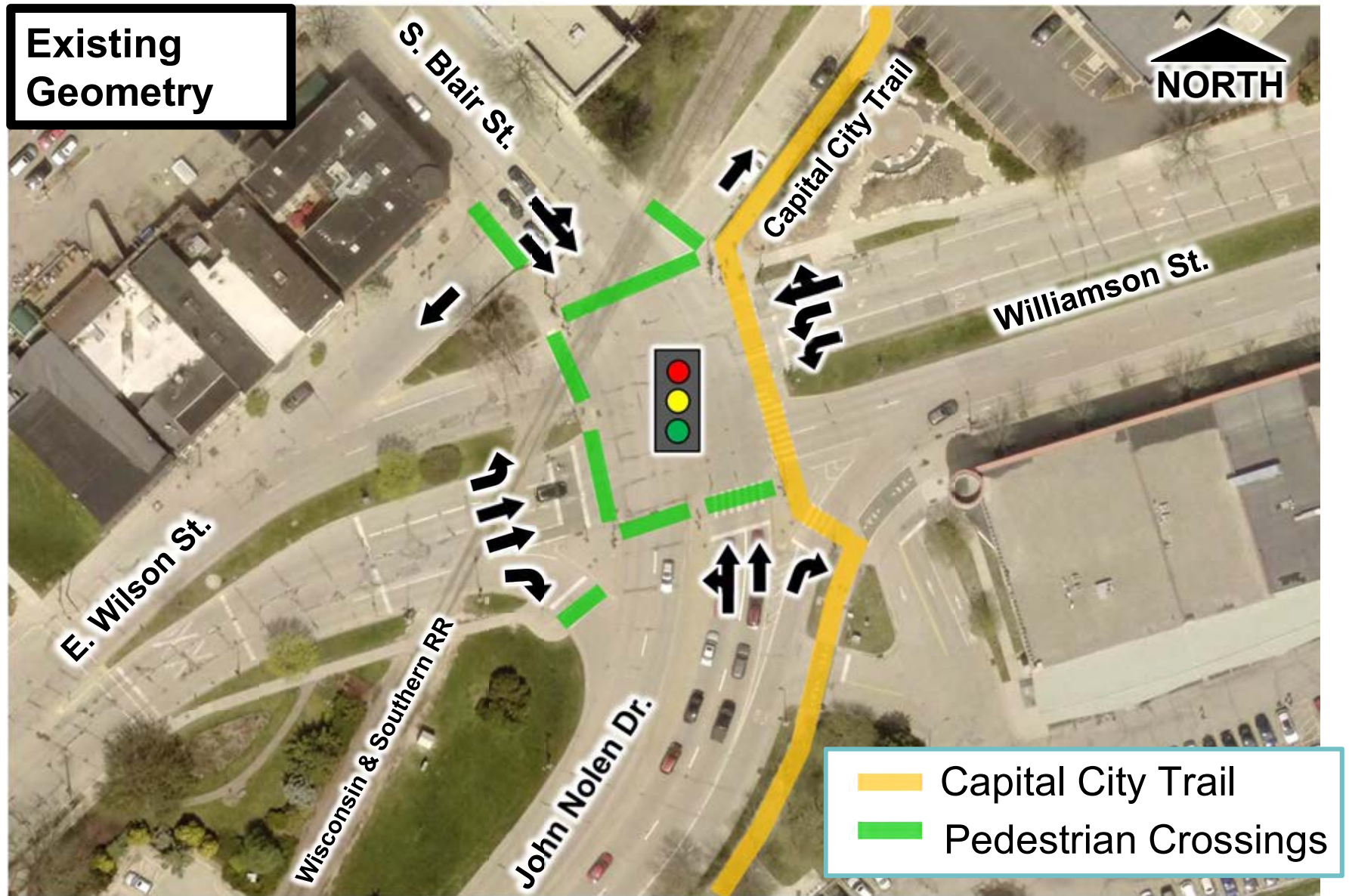


# Overview of the Intersection Project Preliminary Design

- Left-Turn Lanes
- Access Changes
- Pedestrian & Bicycle Improvements
- Revisions Since Study
- RR Crossing Improvements

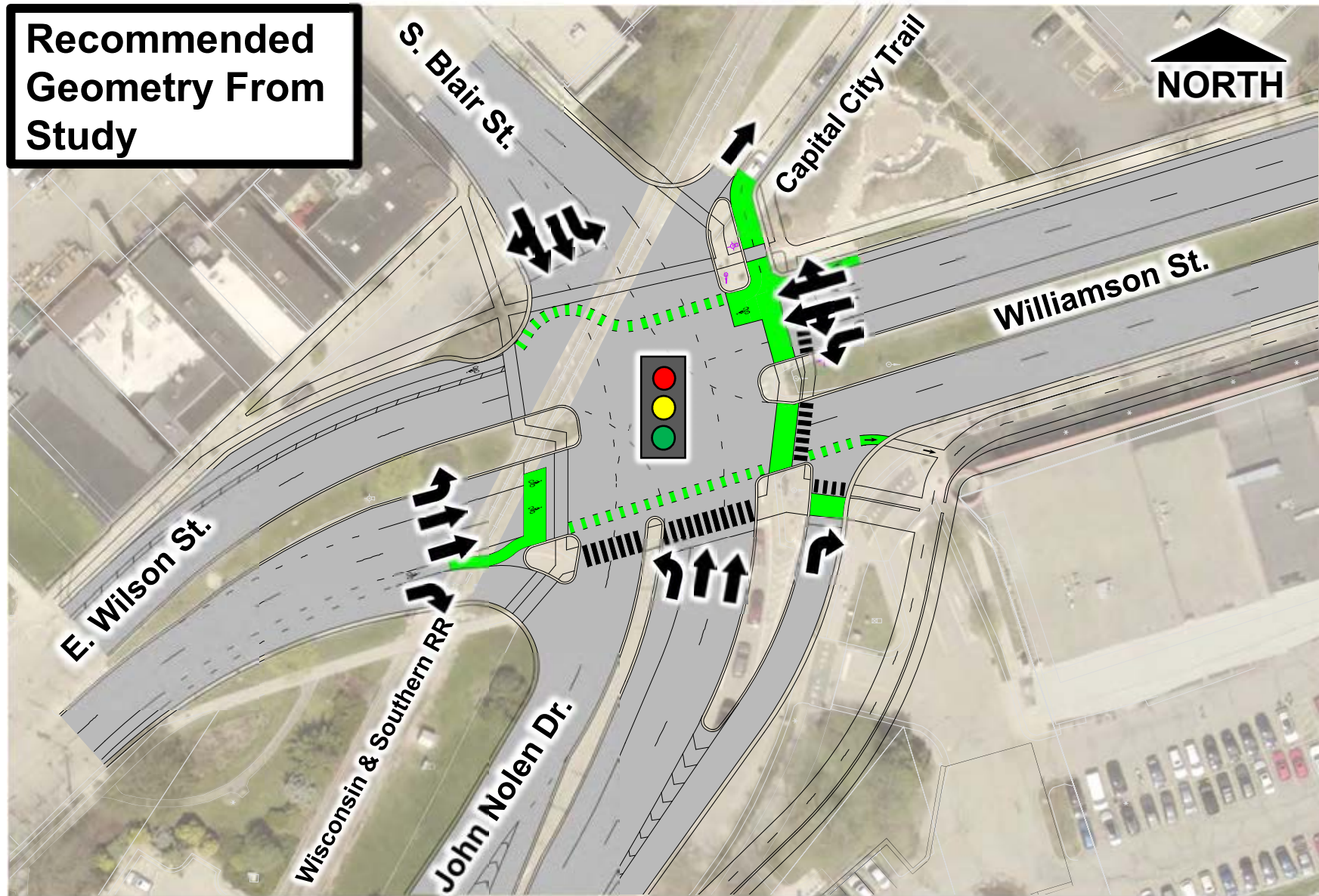


# Overview of Intersection Project Improvements

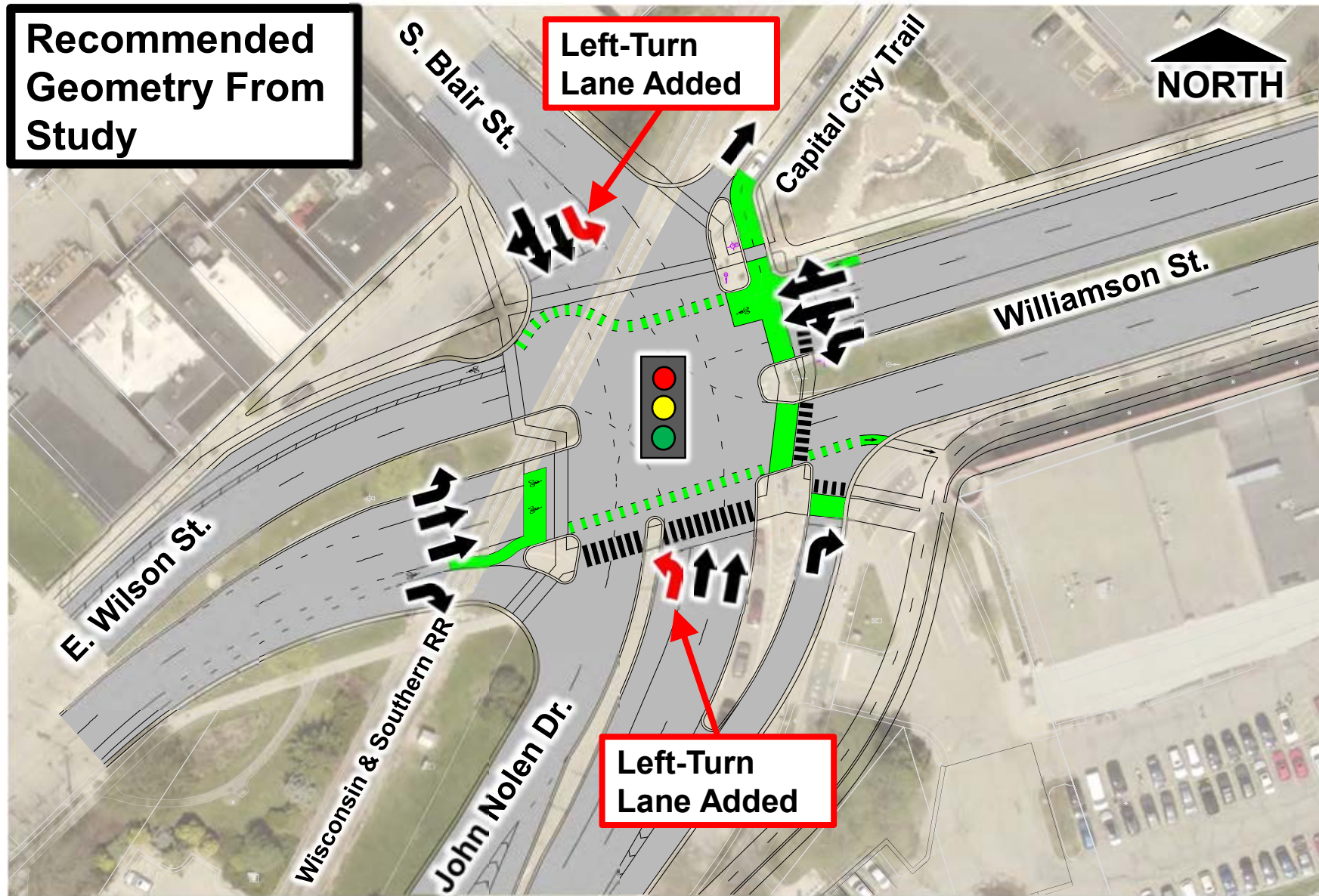




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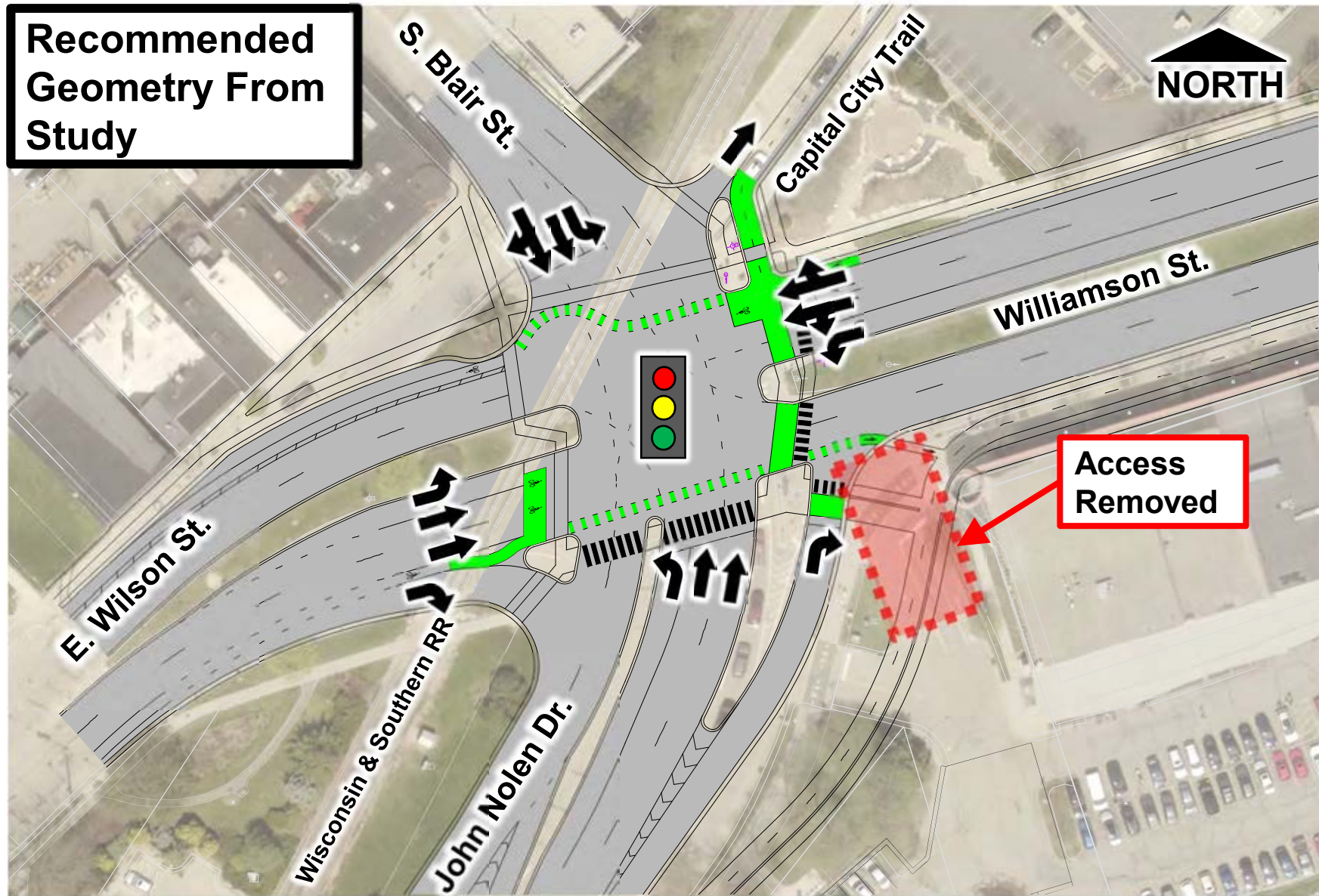


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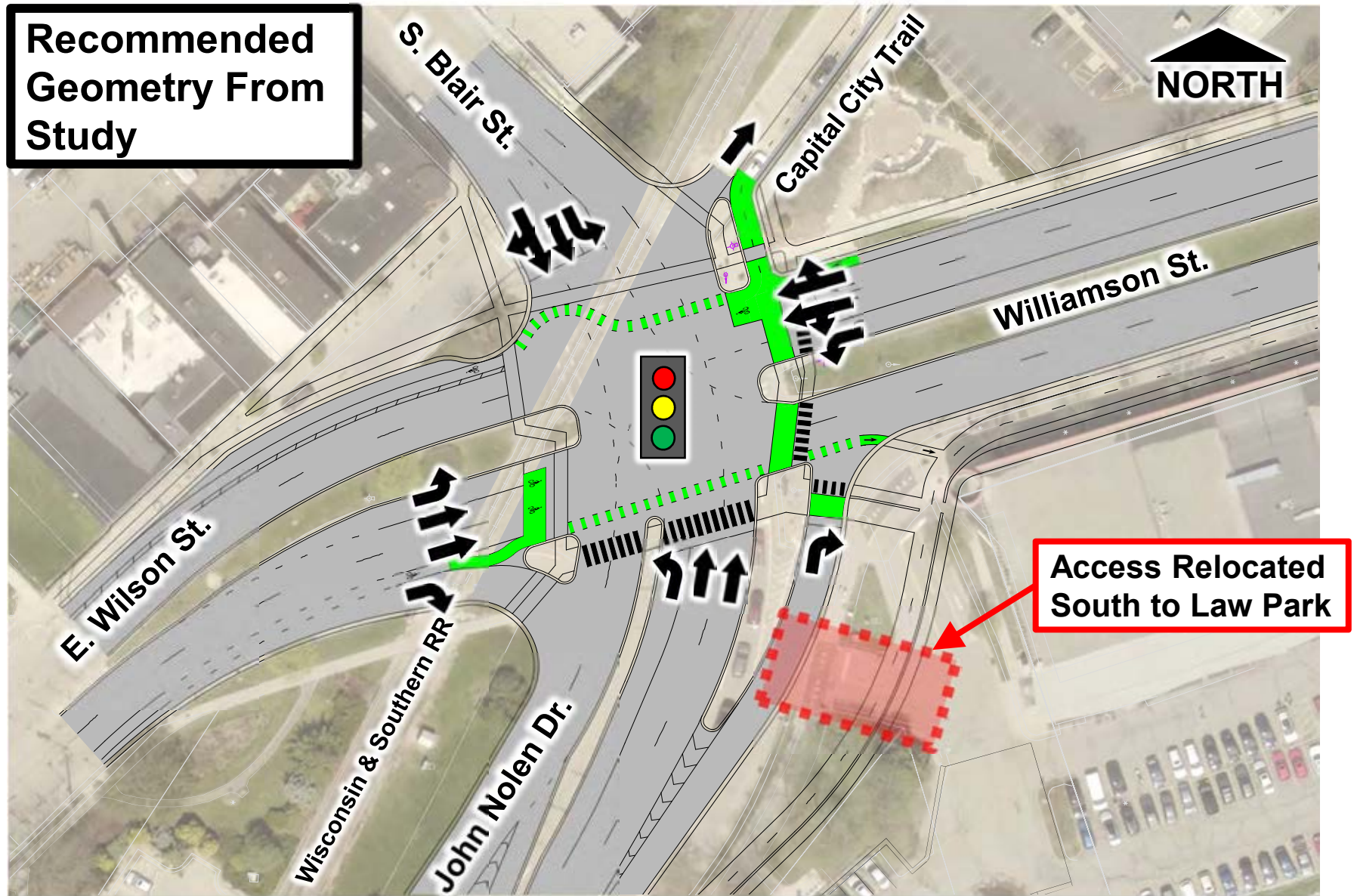


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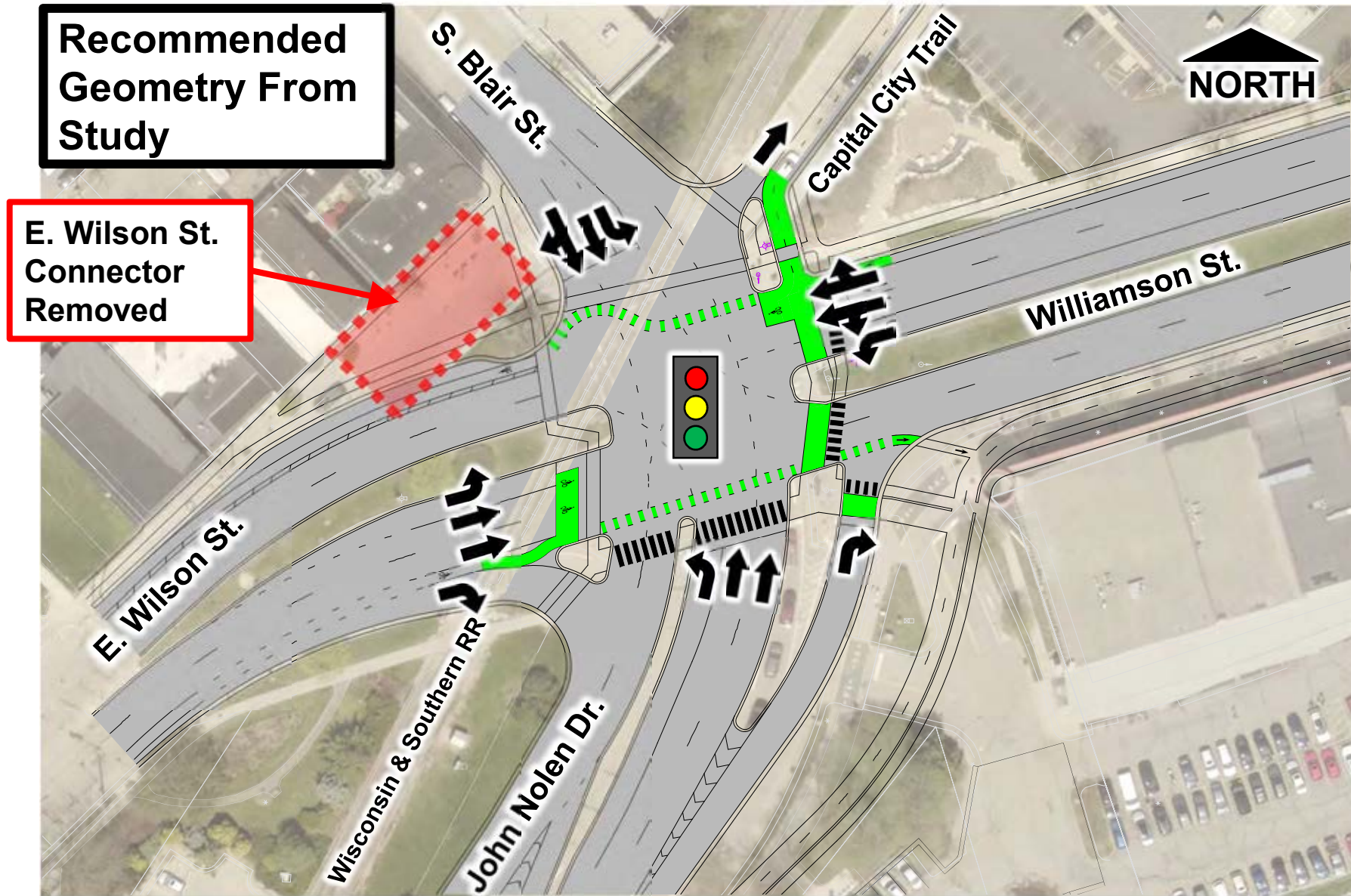




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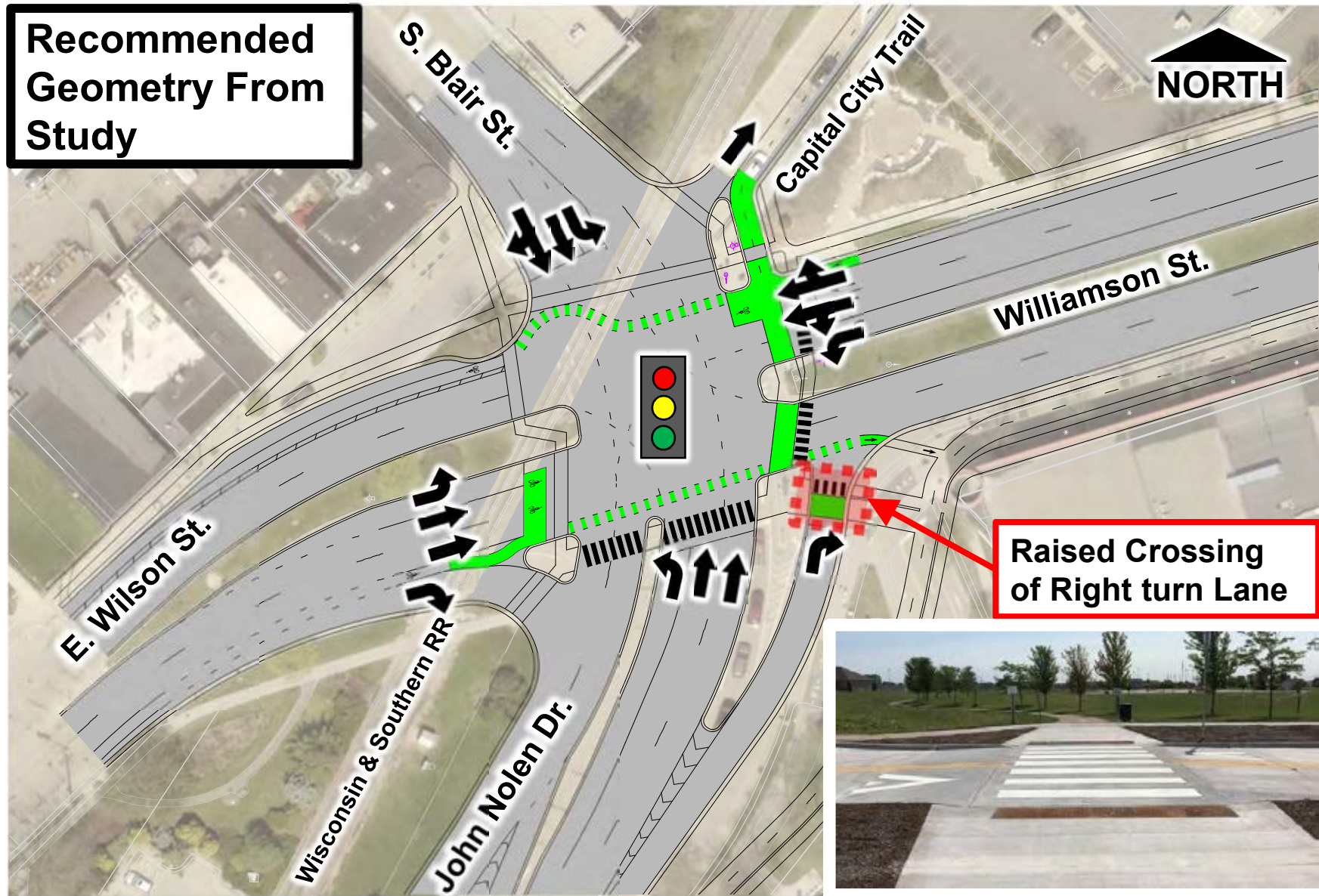


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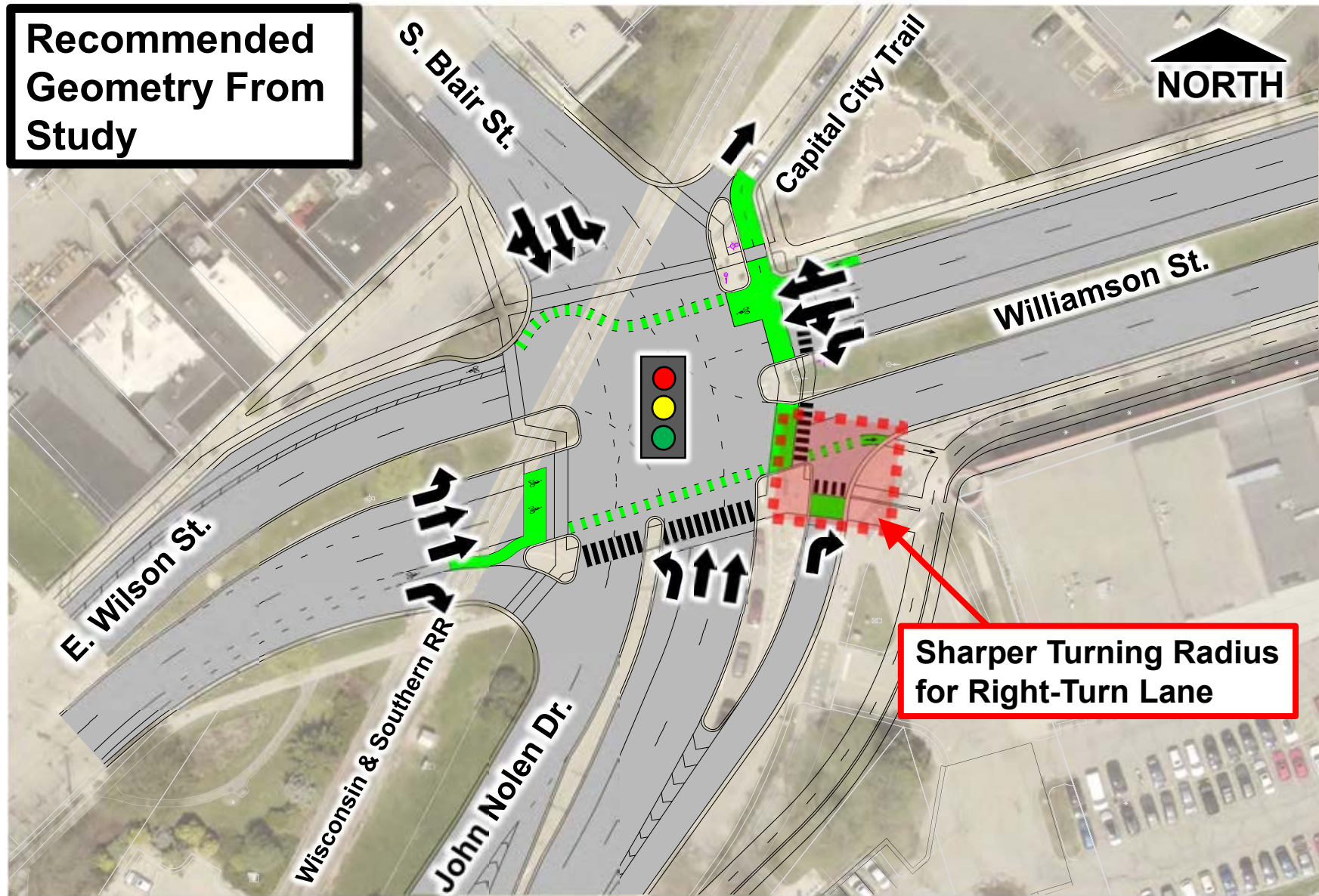




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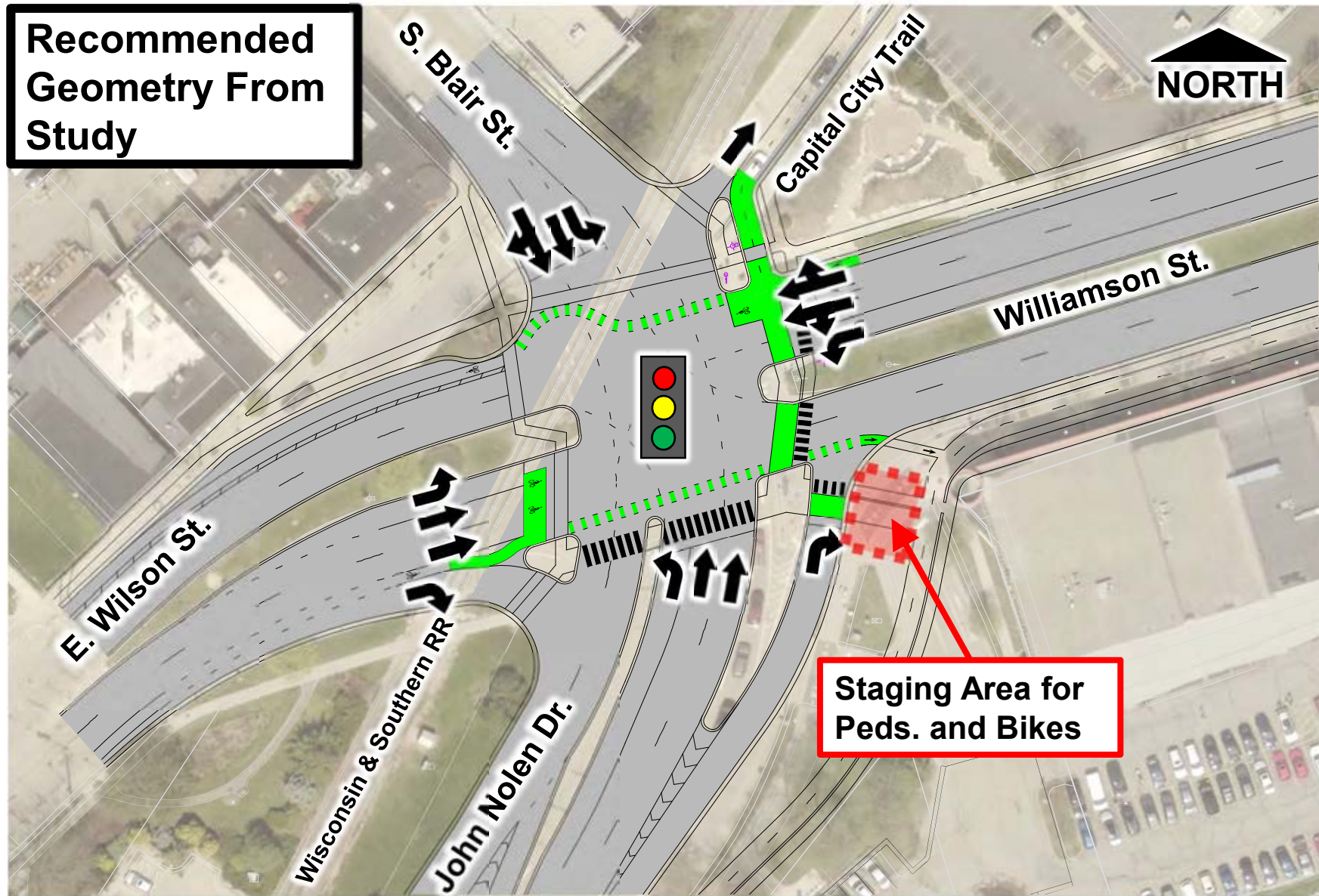


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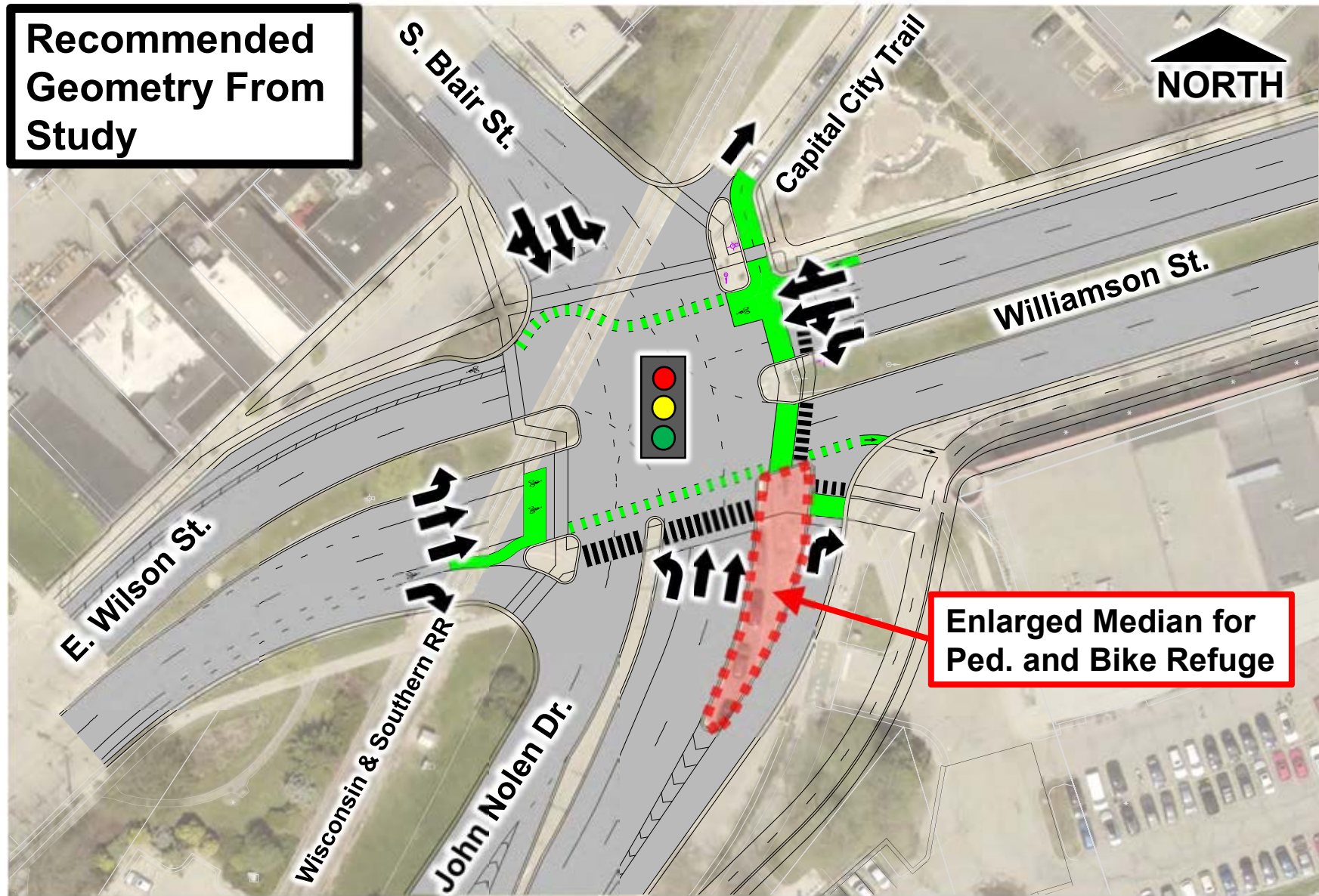




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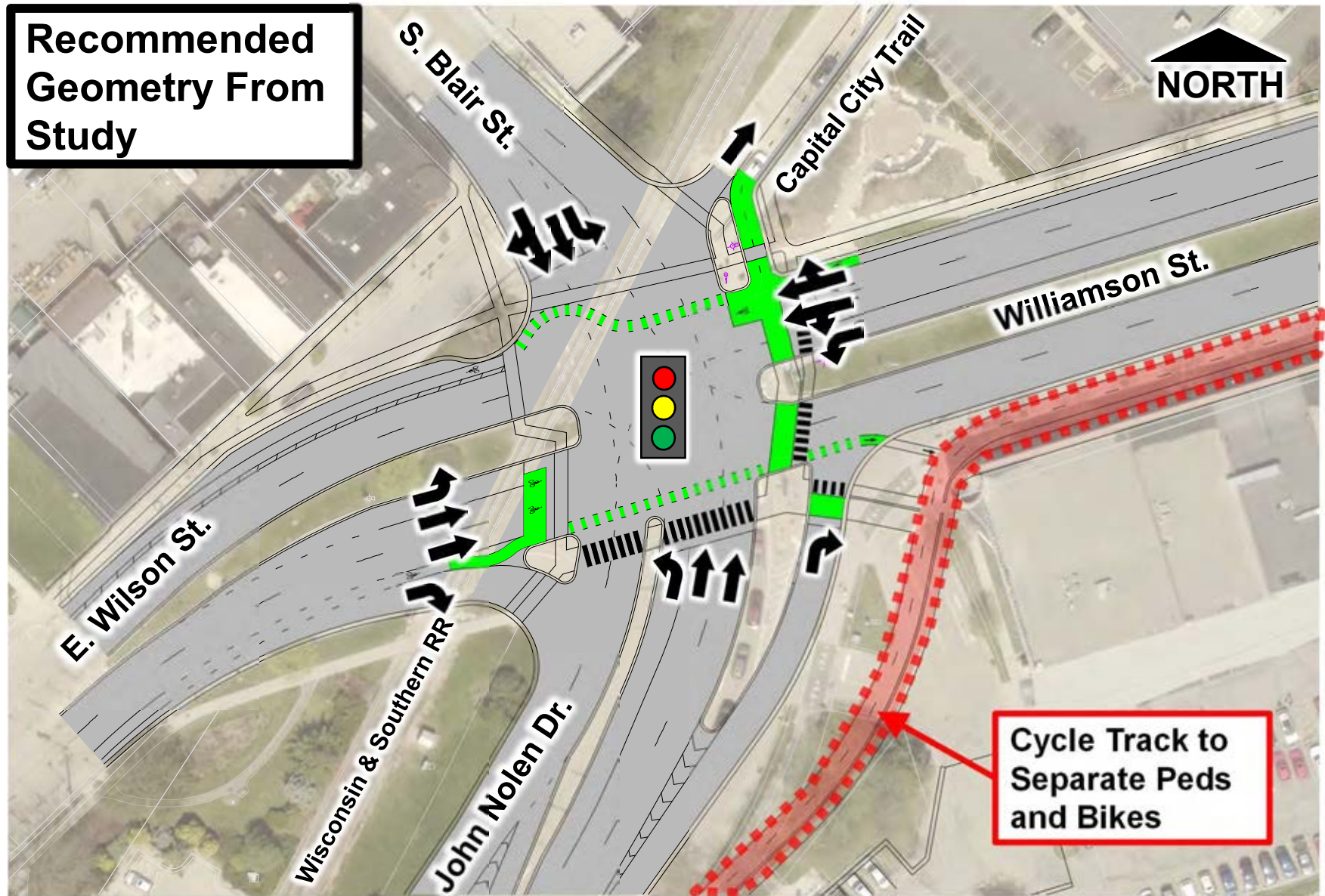


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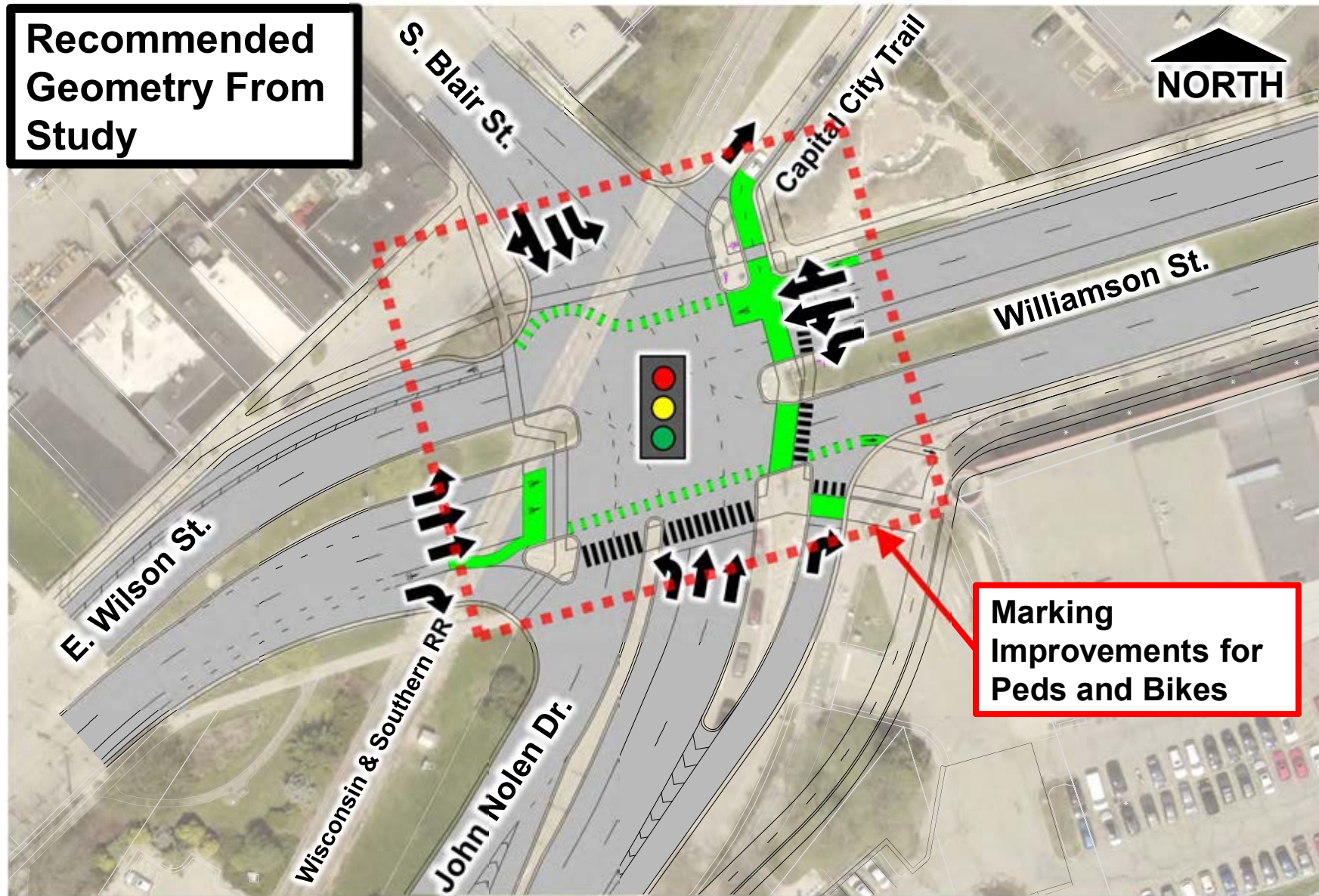




# Overview of Intersection Project Improvements



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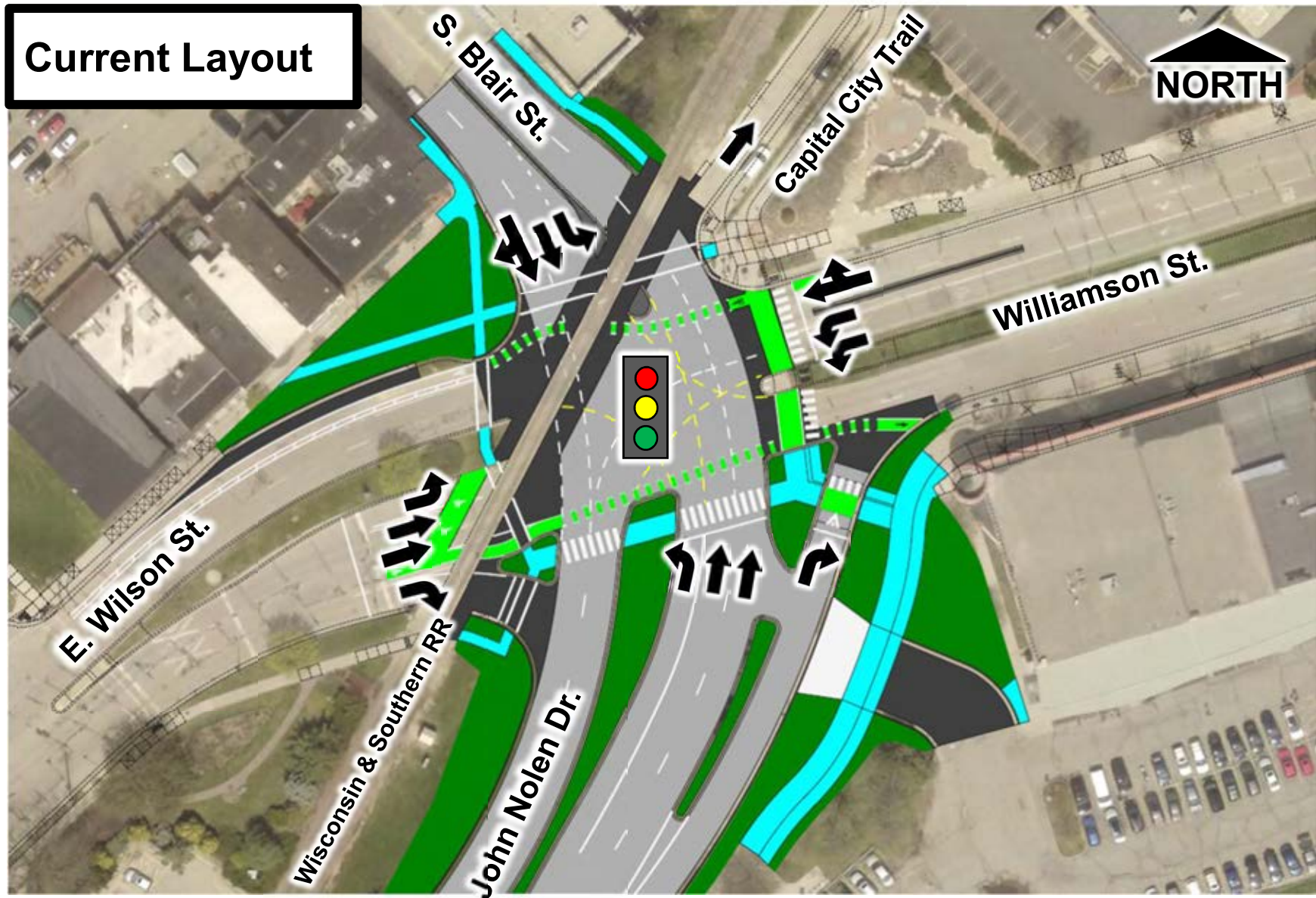


# Overview of Intersection Project Improvements

- Pedestrian and Bicycle Improvements
  - Includes Providing ADA Compliant curb ramps.
  - Crosswalks will be marked.
  - Raised Crosswalk Across NB to EB Right-Turn Lane
  - Colored Marking Improvements Similar to Shown Below and as Shown on Exhibits.

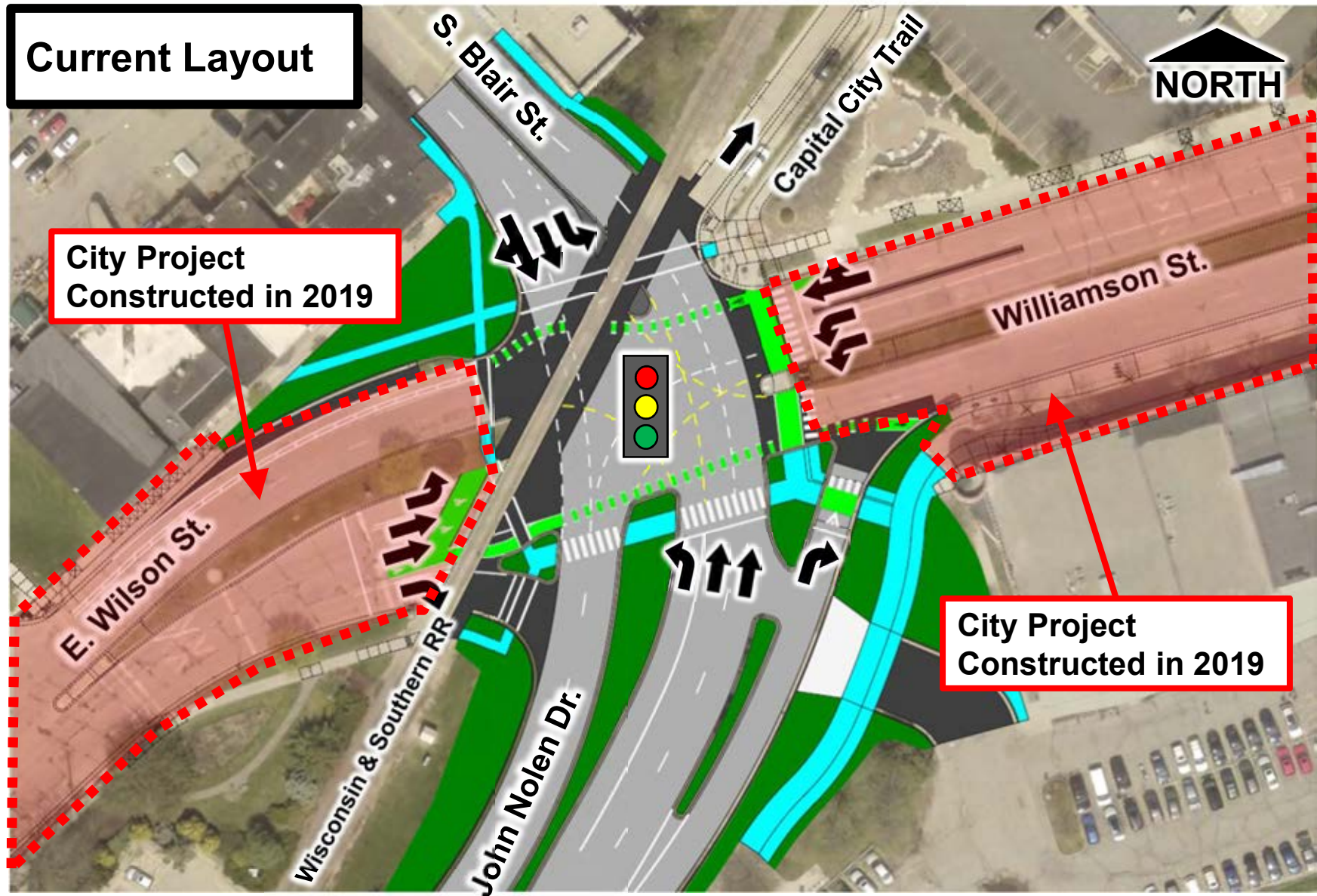


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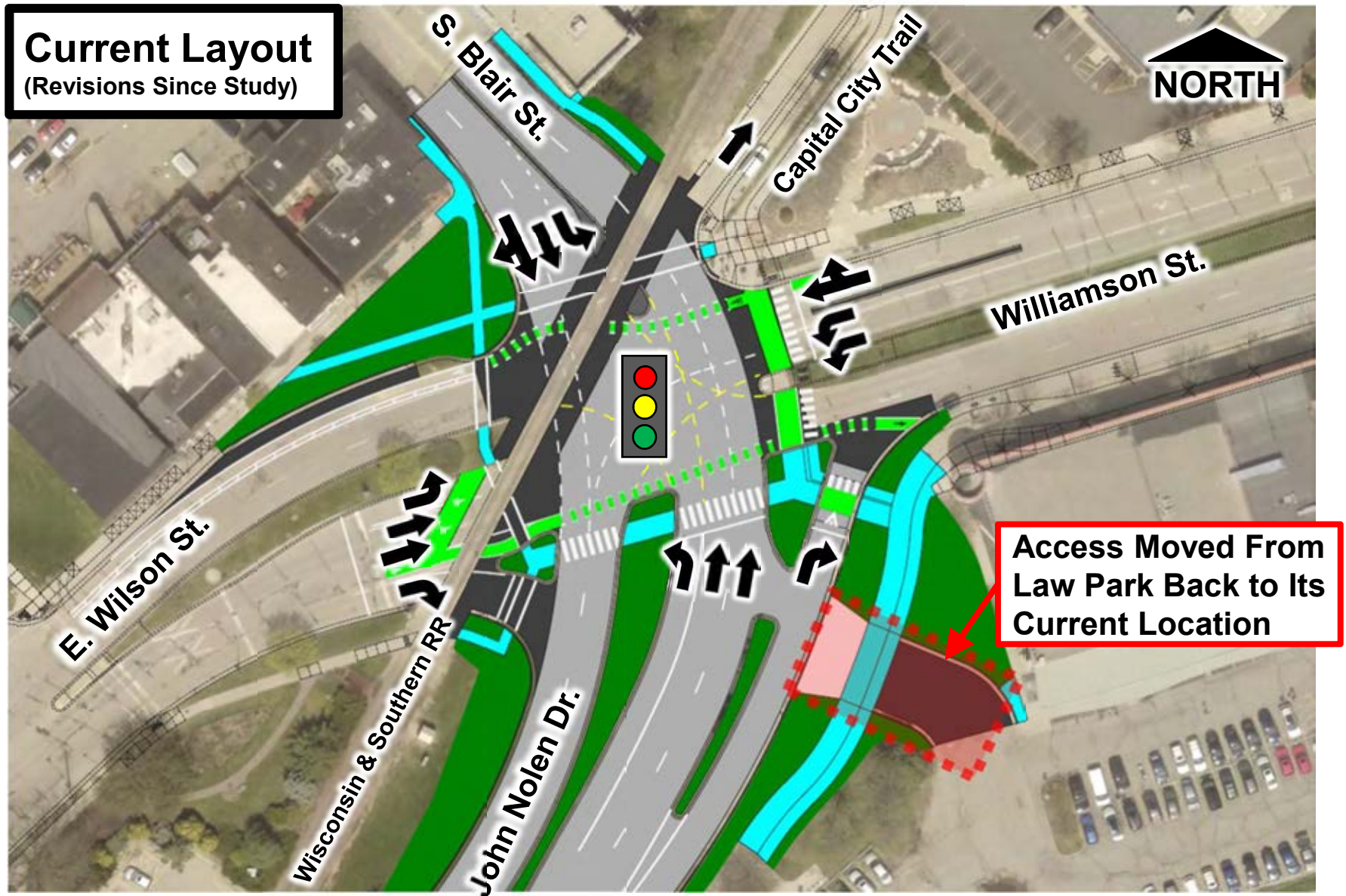


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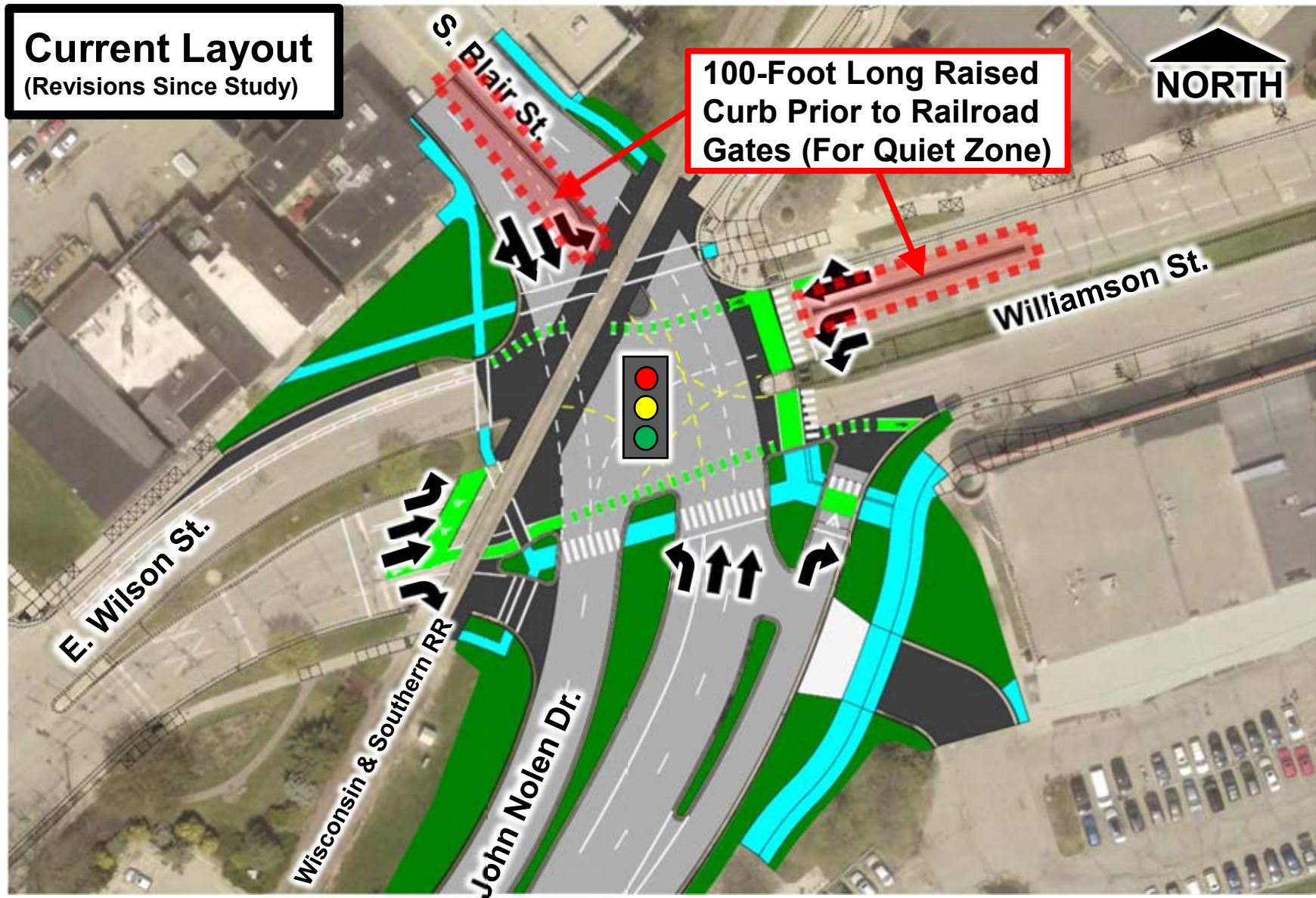


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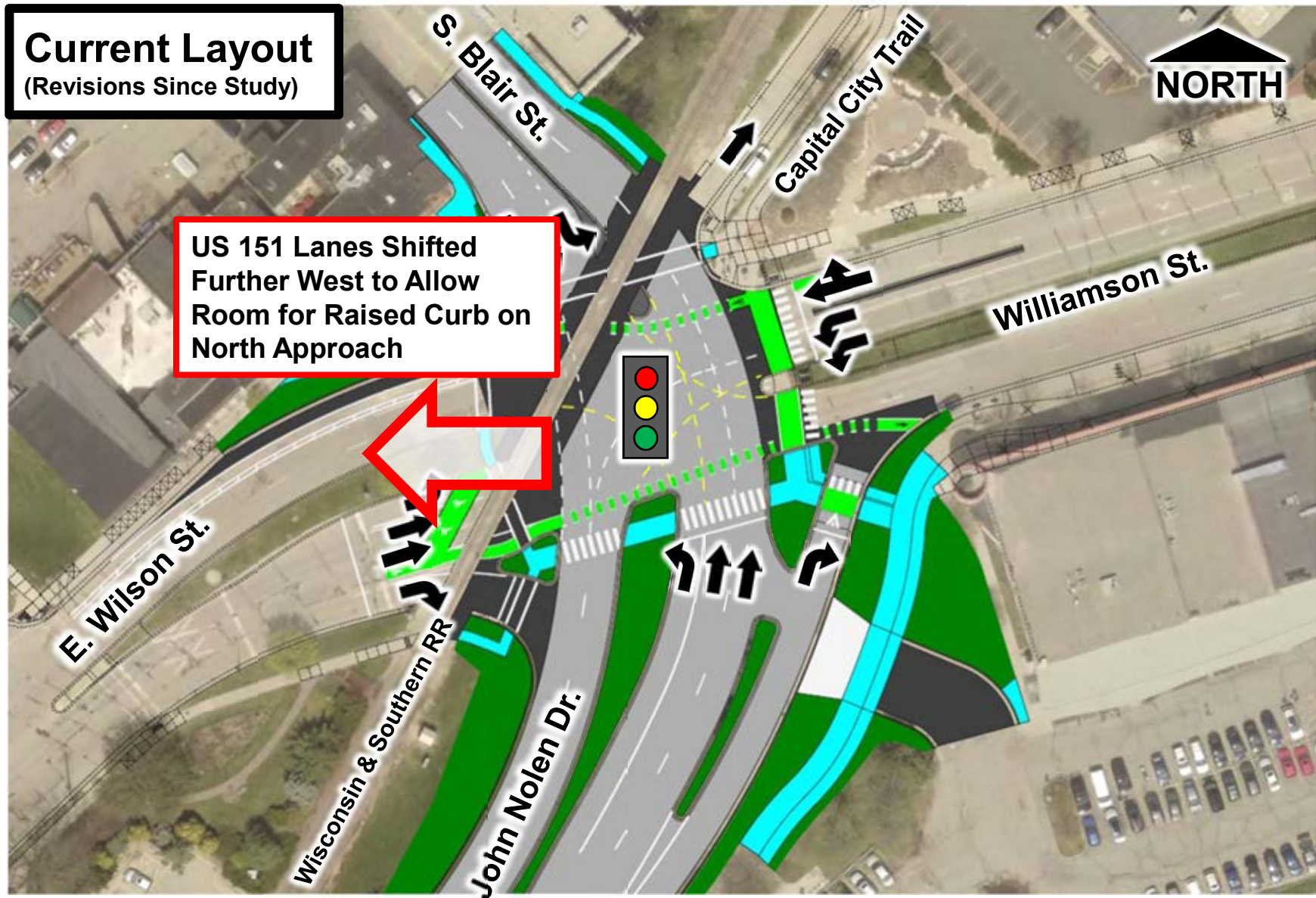


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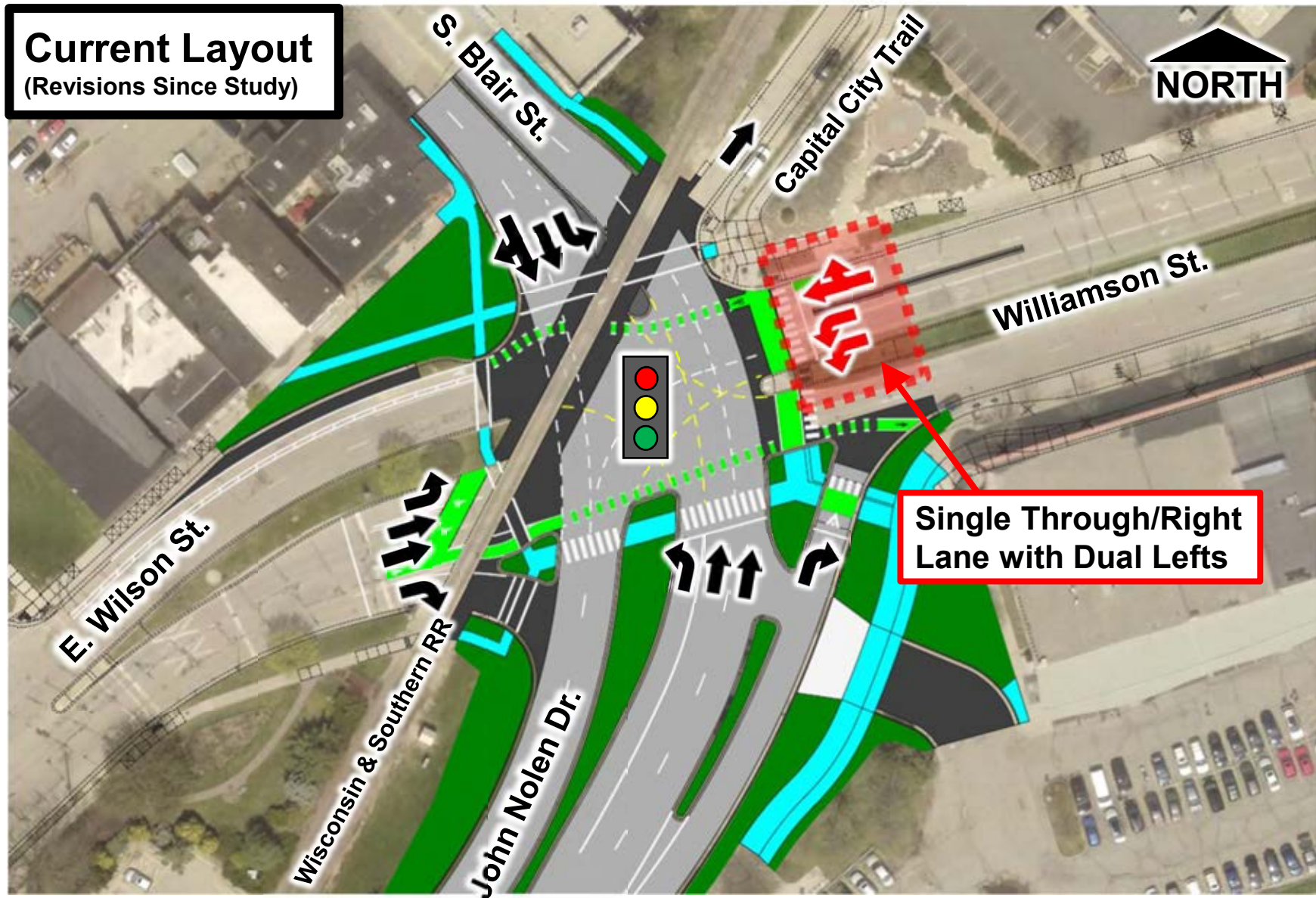


# Overview of Intersection Project Improvements





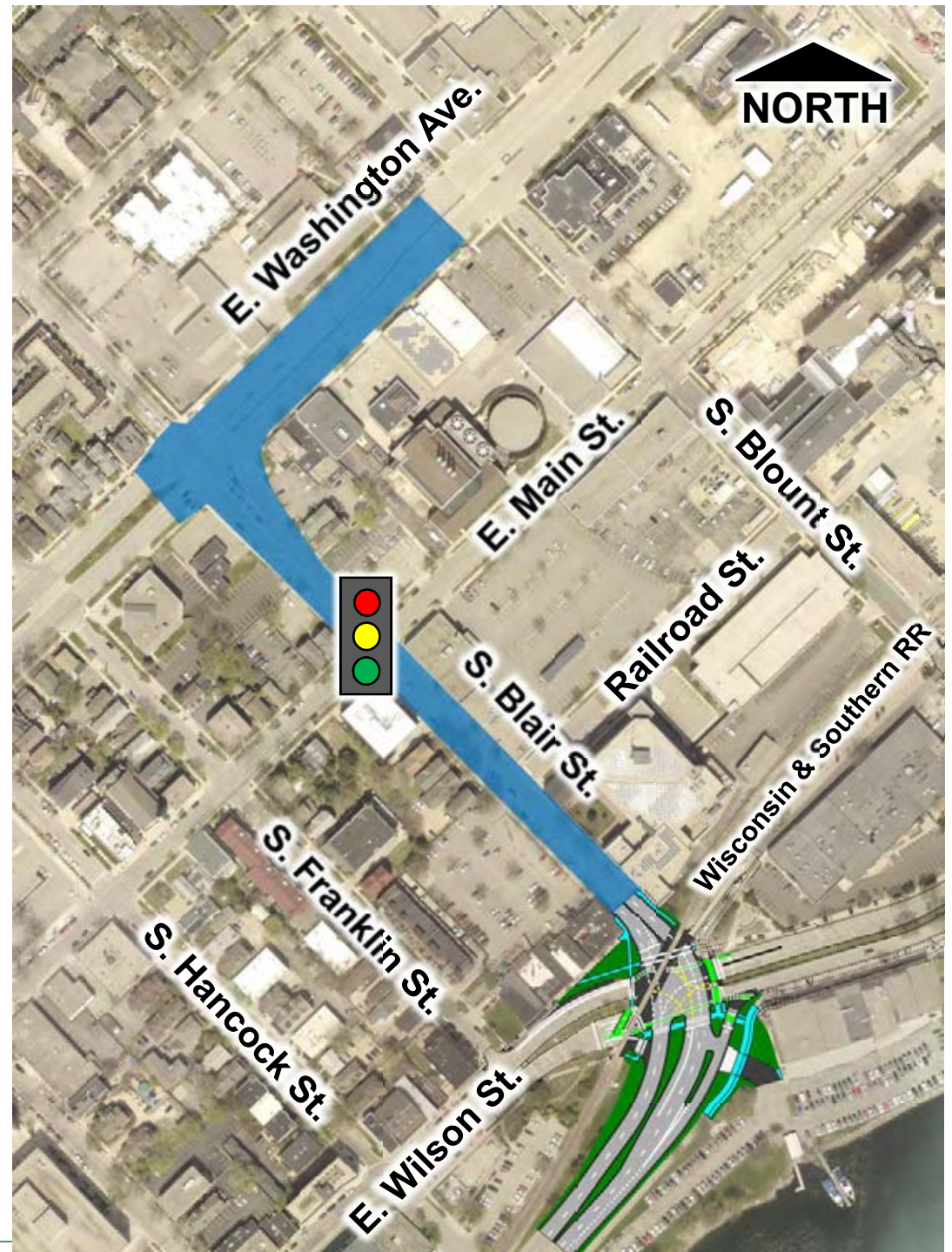
# Overview of Intersection Project Improvements





# Overview of Pavement Replacement Project Improvements

- No Changes to Existing Geometry Except at Curb Ramps
- Signal Proposed at Main Street Intersection
- Pedestrian Style Lighting along Blair Street
- Review Adding Crosswalk(s) at Railroad St. Intersection



# Overview of Pavement Replacement Project Improvements

- Lighting
  - Combination of shorter pedestrian lights with taller “standard” light poles.

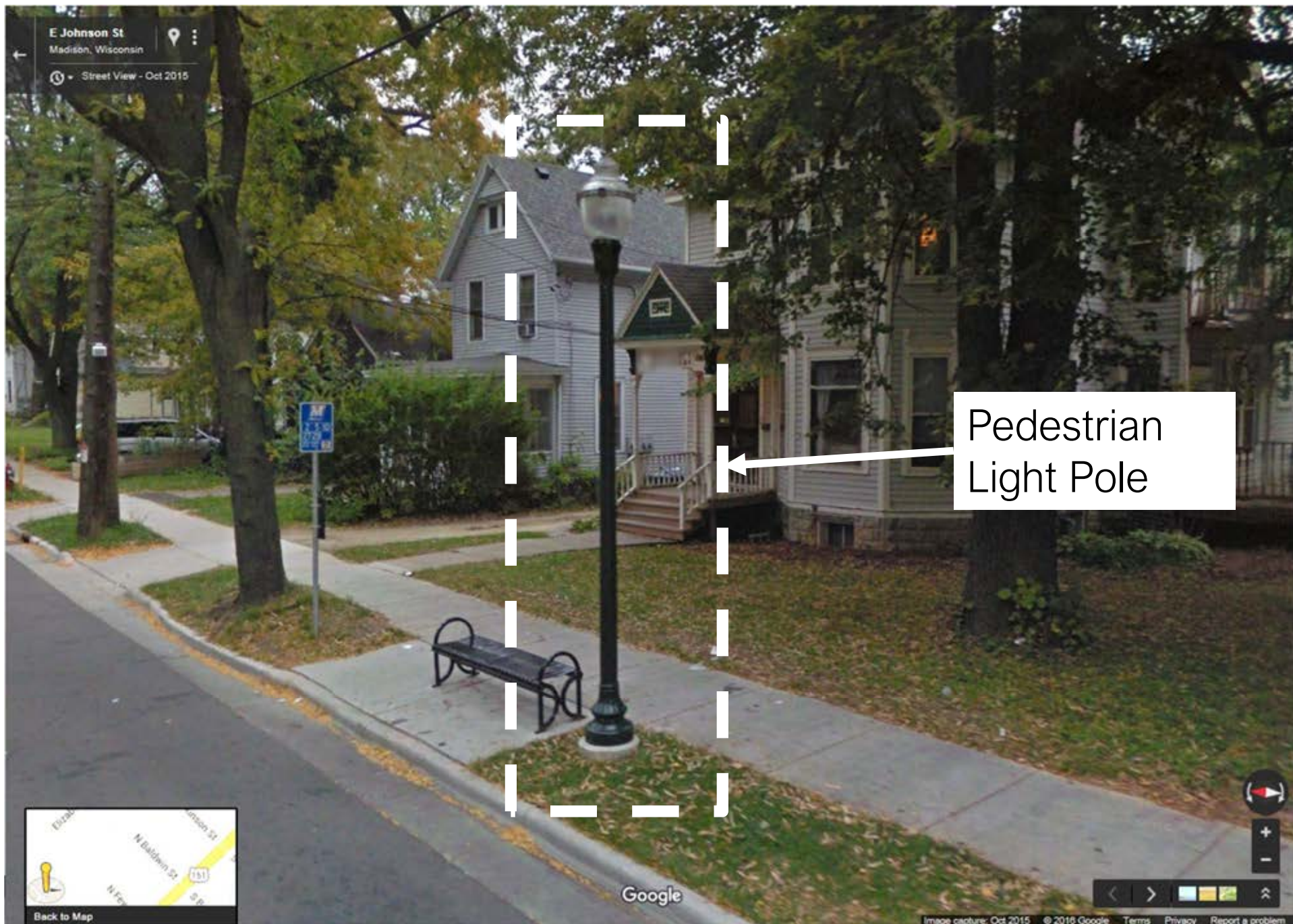






"Standard" Light Pole

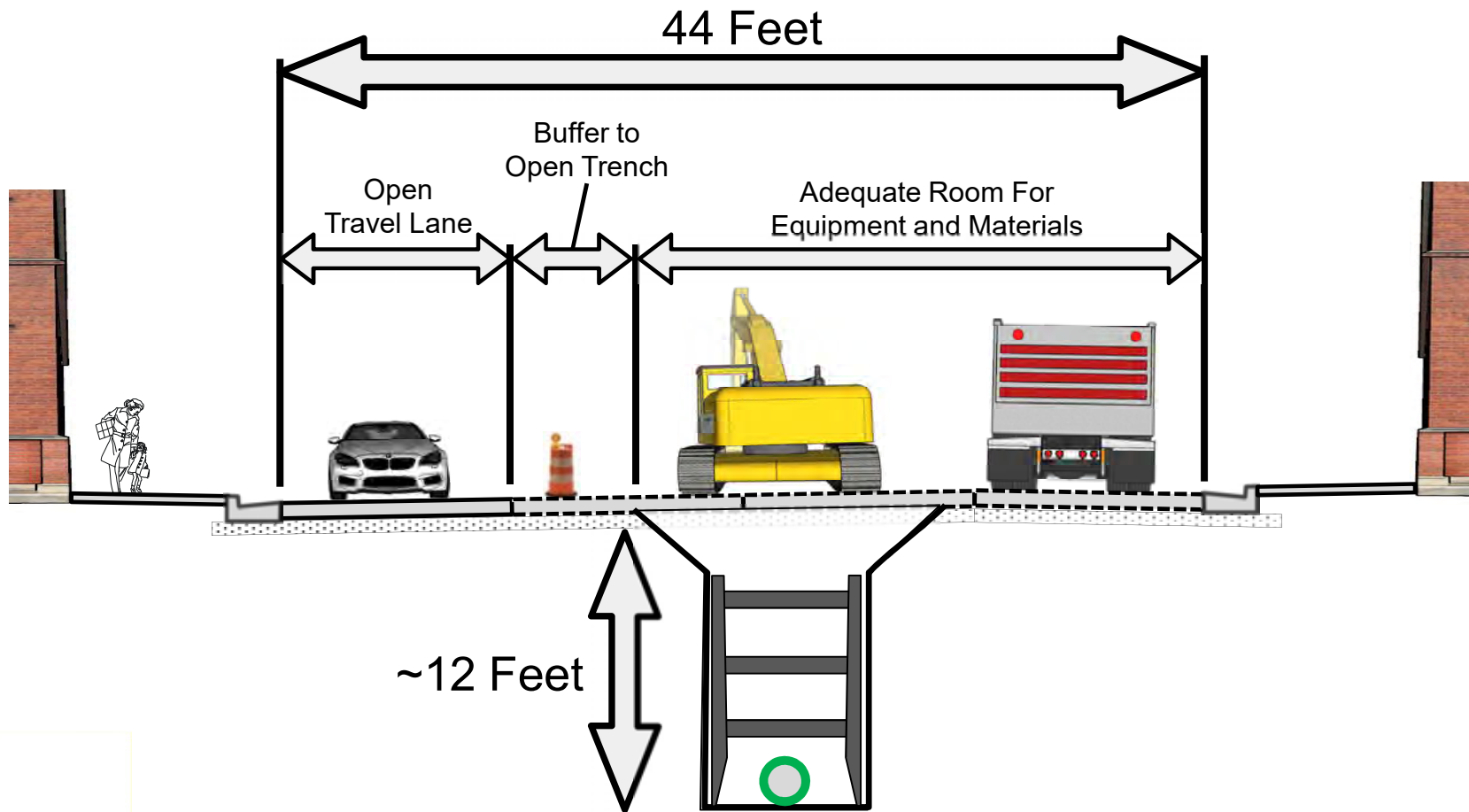




Pedestrian  
Light Pole

# Staging of Traffic During Construction

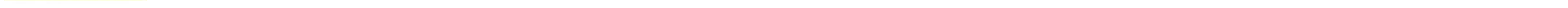
- South Blair Street has limited space to accommodate traffic during construction.





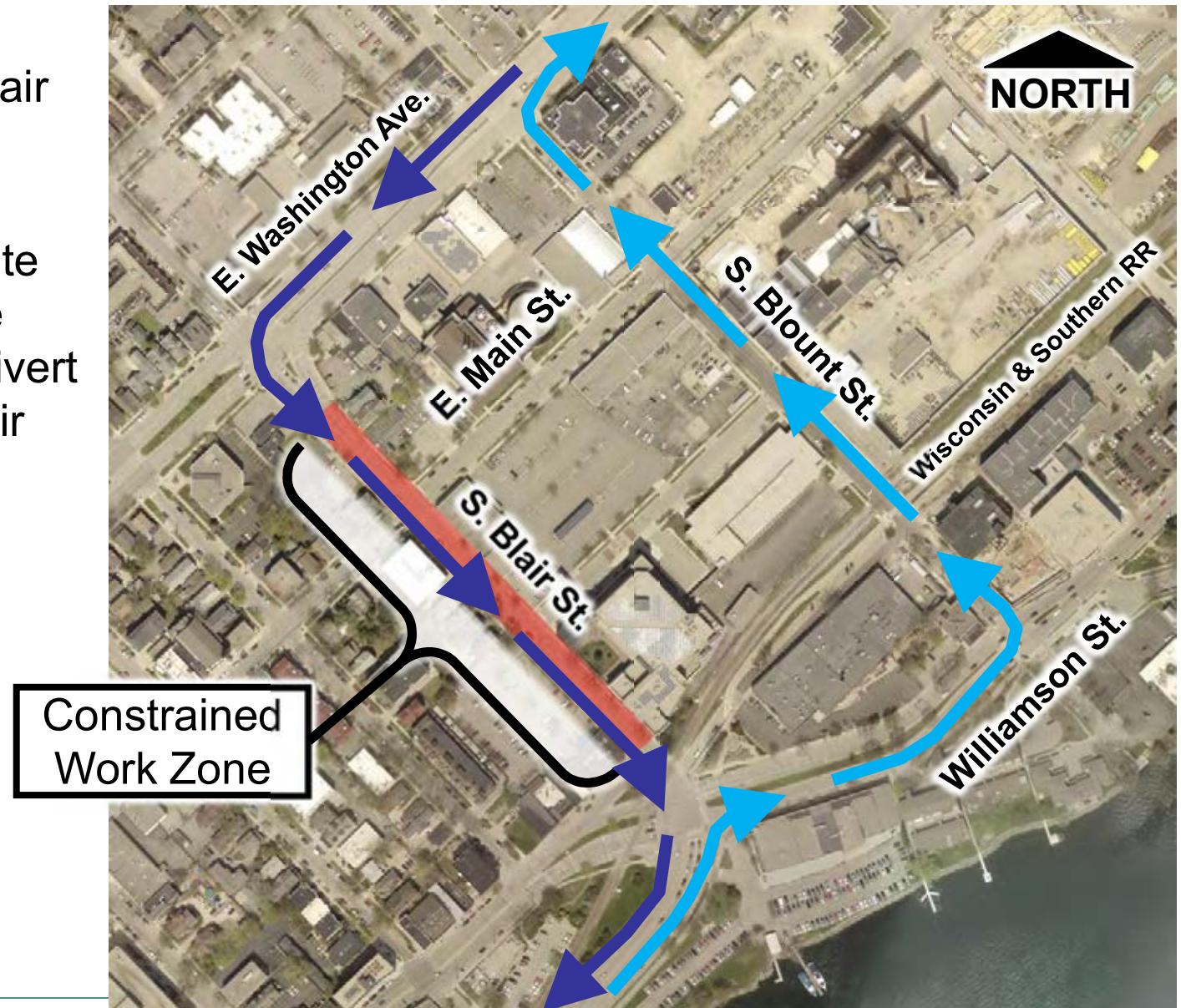
## Staging of Traffic During Construction

- South Blair Street will remain open to traffic during construction:
  - One travel lane southbound only.
  - Left-turn lanes at intersections (if space allows)
  - Sidewalk on one side of the roadway open at any given time.
- Northbound Blair Street traffic will need to be detoured back to East Washington Avenue. Route being considered is Williamson Street and Blount Street.



# Staging of Traffic During Construction

- Tentative Northbound Blair Street Detour shown.
- Signed alternate route(s) will be evaluated to divert traffic from Blair Street and the detour route.



# Impacts to Park Spaces / Section 4(f) Resources & Historic Properties

- East Wilson Street Historic District
  - On National Register of Historical Places



K. H. Rankin



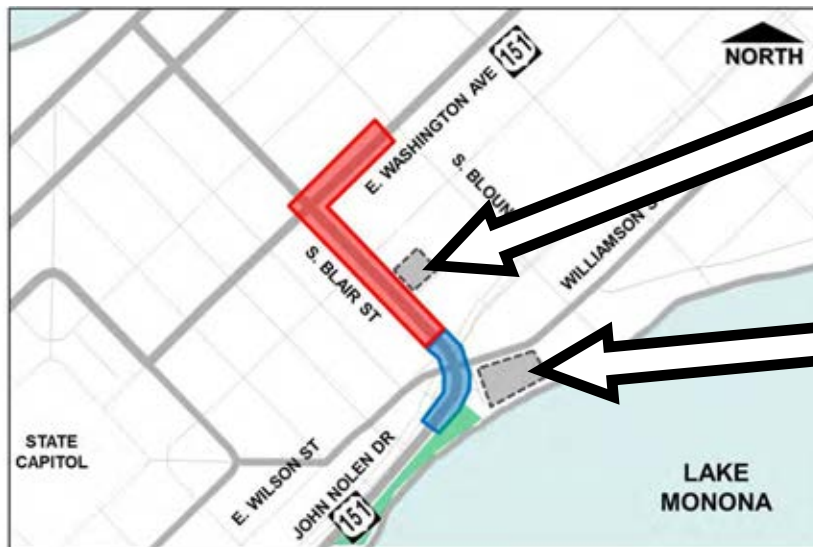
K. H. Rankin





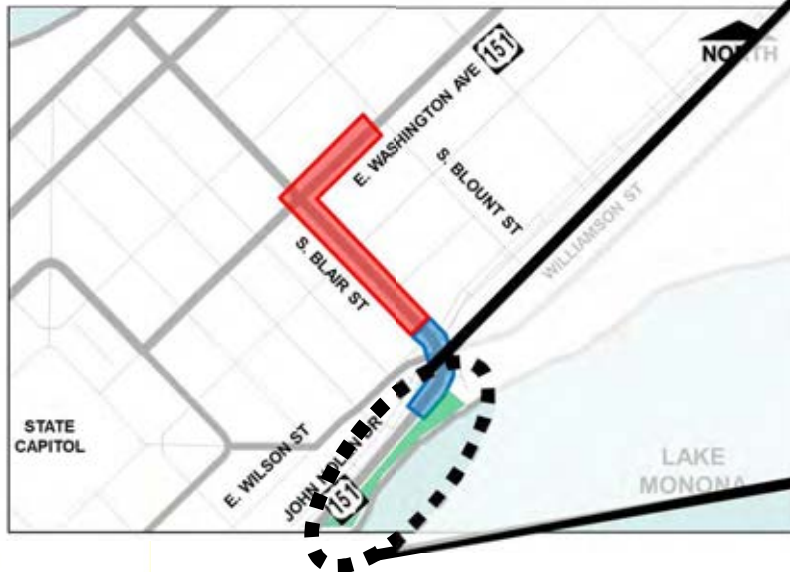
# Impacts to Park Spaces / Section 4(f) Resources & Historic Properties

- Machinery Row & Wisconsin Wagon Company
  - On National Register of Historical Places
  - City of Madison Landmarks



# Impacts to Park Spaces / Section 4(f) Resources & Historic Properties

- Law Park
  - City Parks Division Currently in Planning Process for Law Park Improvements



## Impacts to Park Spaces / Section 4(f) Resources & Historic Properties

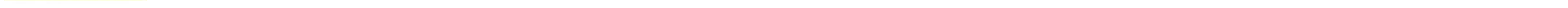
- Scope of Impacts Anticipated:
  - Not anticipating impacts however may need temporary easements adjacent to Law Park and other resources to match in construction.
  - Grading limited to grass or hardscaped areas (no trees, equipment or other fixtures off right of way anticipated to be impacted).





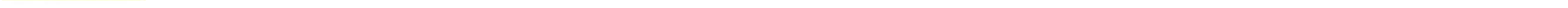
# Impacts to Street Trees

- Anticipated tree loss is shown on the large exhibit with a **X**
- Anticipated loss shown includes 4 Ash trees being removed by City Forestry prior to the project.
- Trees that are to remain will be protected during construction.



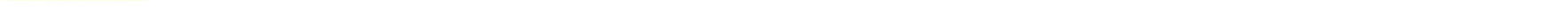
## Preliminary Costs

- Preliminary Intersection Project Roadway Cost of about \$2.5 Million.
- Preliminary Pavement Replacement Project Roadway Cost of about \$3 Million



# City of Madison Assessments

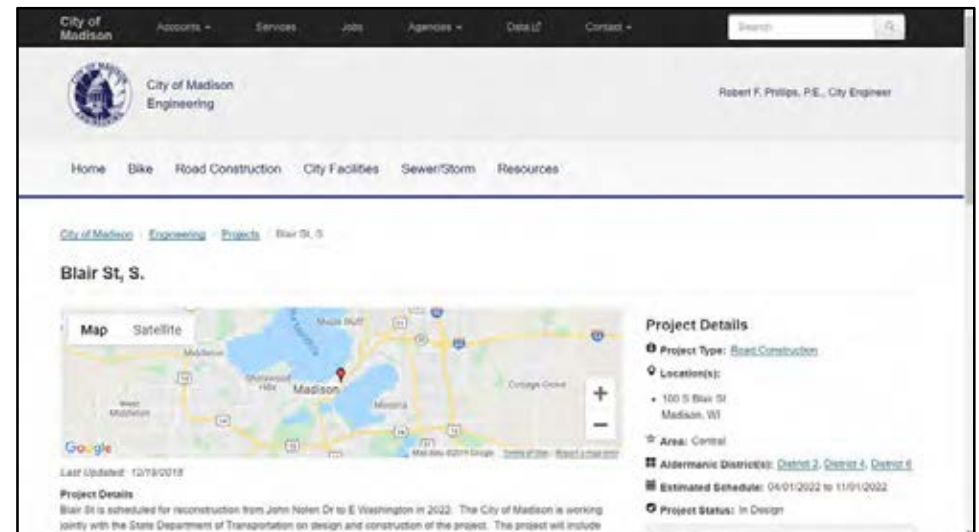
- City assessment policy applies to all projects.
- Water, storm sewer and sanitary sewer main paid for by project, except:
  - Sanitary lateral 75% City / 25% Property Owner
- Pedestrian lighting 100% Property Owner.
- Main Street traffic signal (TBD – Area assessment based on trips.)





# Additional Information/Stay Up-to-Date

- Project Website
  - Project Contact Info.
  - PDF of this Presentation and Exhibits
  - Sign-Up for Project Updates



<https://www.cityofmadison.com/engineering/projects/blair-street-south>

# Questions

