

# LOCAL STREET BIKEWAYS - VERNON/SEYMOUR & ALLAN/OAK ACTIVE TRANSPORTATION ADVISORY COMMITTEE MEETING



November 16, 2017

# Project Background

- HRM Council adopted the Administrative Order (2016-002OP) to facilitate the Implementation of Local Street Bikeway (LSB).
- LSB will provide a connection for All Ages and Abilities (AAA) between existing bicycle infrastructure and local residents in the area.
- Two roadways are scheduled for resurfacing in 2018:
  - *Vernon Street/Seymour Street*
  - *Allan Street*
- HRM Project Planning and Design is seeking to integrate the elements for the LSB with the resurfacing of the streets.



## Overview of Local Street Bikeways (LSB)

- Local Street Bikeways are streets with low motorized traffic volumes and speeds, modified to optimize bicycle travel and are intended to:
  - *Create convenient routes for bicycling; and,*
  - *Help to create conditions on the streets where people of all cycling abilities and skill levels can comfortably share the street with motor vehicles without the addition of separated bicycle lanes or paths.*
- Local Street Bikeways may have the following features:
  - *Designated by HRM as a Local Street Bikeway,*
  - *Signs and pavement markings to designate the Local Street Bikeway,*
  - *Have speed/volume management measures (if necessary),*
  - *Have intersection treatments to create safe, convenient bicycle crossings of major/minor streets.*
- Local Street Bikeways will avoid:
  - *Halifax Transit and truck routes (where possible),*
  - *Impact on the operation of emergency vehicles.*

# Project Scope

- ✓ Project Initiation and Management
  - ✓ *Site Walk*
- ✓ Data Collection/Review of Existing Conditions
- ✓ Conceptual Design Development
  - ✓ *Prepare conceptual plans (30%) for each corridor – up to 3 options for each*
- Public and Stakeholder Consultation
  - ✓ *Internal Meeting – October 20<sup>th</sup>*
  - ✓ *External Meeting – October 24<sup>th</sup>*
  - ✓ *Open House – November 8<sup>th</sup> (2 sessions)*
    - *ATAC Meeting – November 16<sup>th</sup>*
- Prepare 60% Design Drawings
  - *Preferred option for each roadway*
  - *Cost Estimates*
- Draft Report – Week of November 27<sup>th</sup>
- Final Report – December 8<sup>th</sup>

# Objectives of ATAC Meeting

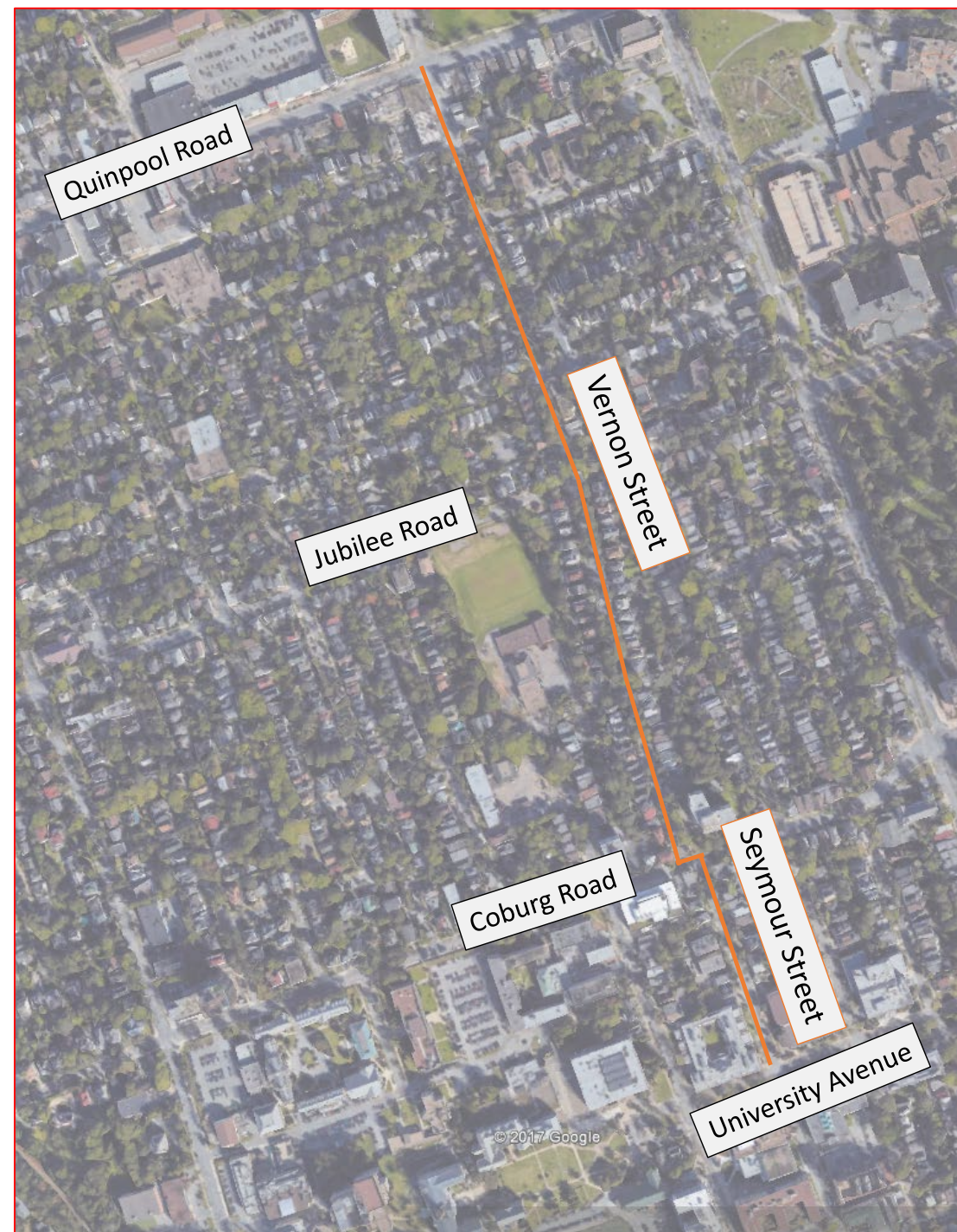
Meeting with key stakeholders to:

- Gauge interest
- Needs
- Concerns
- Other traffic calming features
- Options to avoid/ focus on

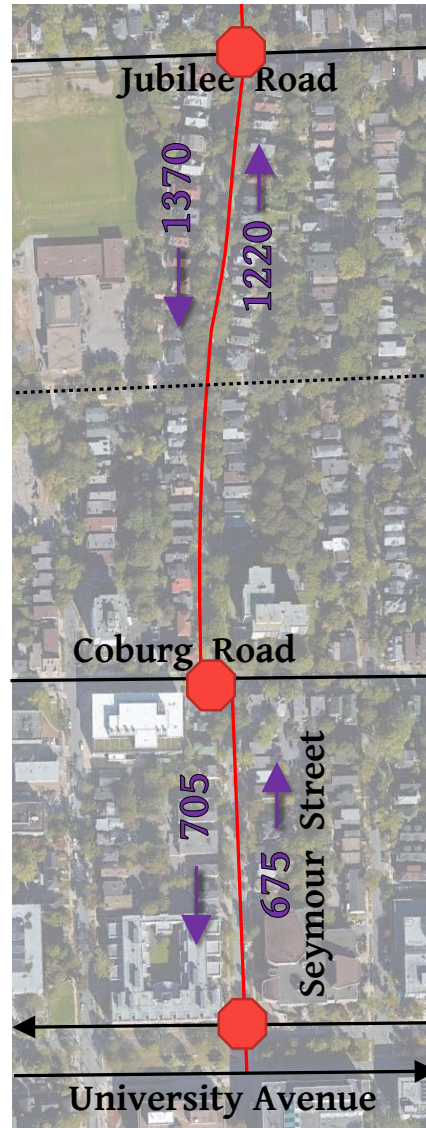
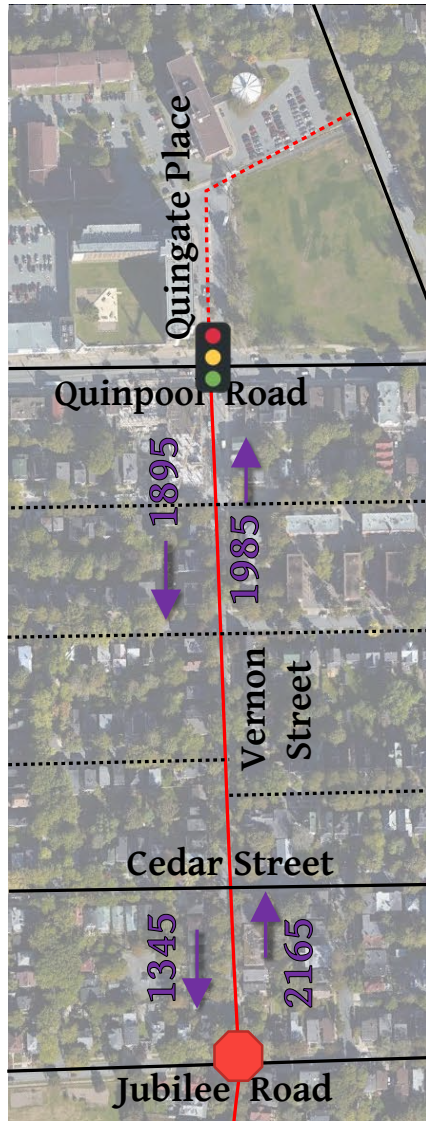


## Vernon/Seymour

- North-south cycling corridor between Quinpool Road and University Avenue.
- 1.08 km section of roadway.
- Signed as a bicycle route.
- Desirable route for cyclists, connecting Windsor Street bicycle lanes to Dalhousie University and the University Avenue protected bicycle facilities.
- Identified as a candidate for the Local Street Bikeway in the AT Priorities Plan.



# Traffic Volumes on Vernon/Seymour Corridor



## Vehicle Volume Thresholds:

- < 1,000 vpd - **shall not** require consideration of diversion of traffic
- 1,000 to 3,000 vpd - **may** require consideration of diversion of traffic
- > 3,000 vpd - **shall** require consideration of diversion of traffic

## Vehicle Speed Thresholds:

- < 30 km/hr - **shall not** require consideration of traffic calming
- 30 to 45 km/hr - **may** require consideration of traffic calming
- > 45 km/hr - **shall** require consideration of traffic calming

Vernon from Quinpool to Cedar - 41 km/hr (85<sup>th</sup> percentile)

Average number of cyclists crossing Quinpool to/from Vernon:

Fall 2010 to 2016

- 85 cyclists (AM)
- 142 cyclists (PM)

Spring 2011 to 2016

- 64 cyclists (AM)
- 93 cyclists (PM)

Project  
Background

Overview of  
Local Street  
Bikeways

Project Scope

Objectives of  
External  
Meeting

Vernon/  
Seymour

Allan/Oak

Next Steps

# Typical Cross Section on Vernon/Seymour Corridor





Project  
Background

Overview of  
Local Street  
Bikeways

Project Scope

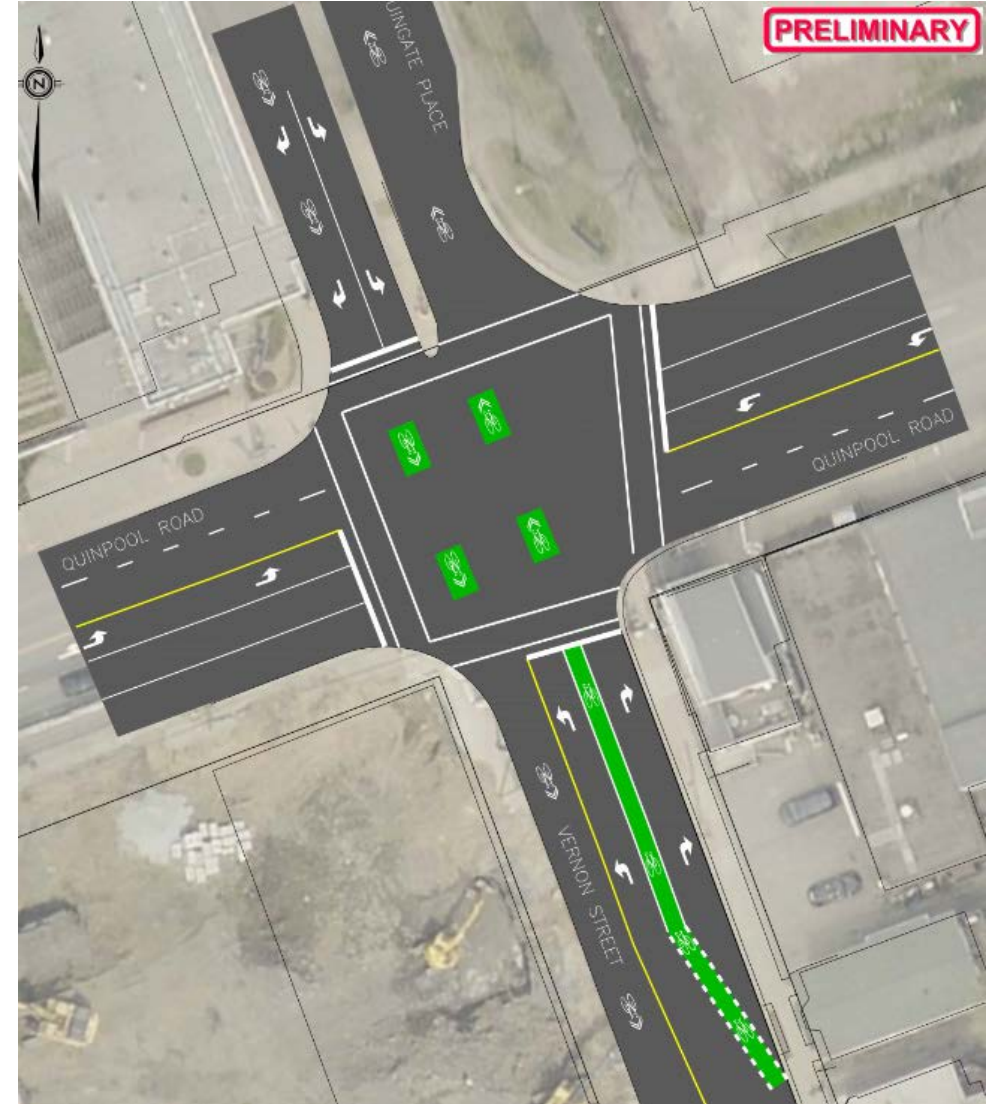
Objectives of  
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Vernon/  
Seymour

Allan/Oak

Next Steps

# Vernon Street & Quinpool Road



Project  
Background

Overview of  
Local Street  
Bikeways

Project Scope

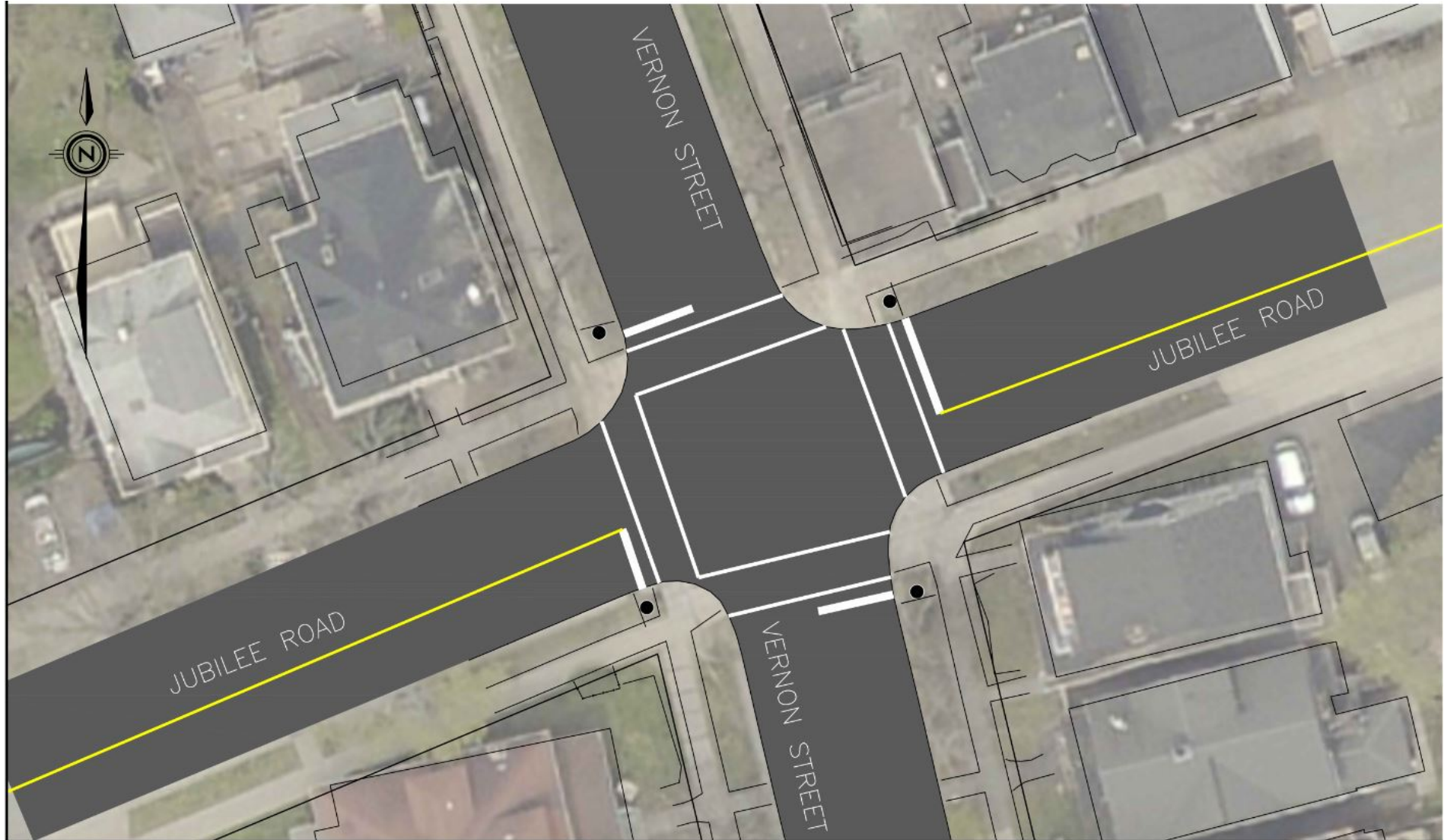
Objectives of  
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Vernon/  
Seymour

Allan/Oak

Next Steps

# Vernon Street & Jubilee Road - Existing



Project  
Background

Overview of  
Local Street  
Bikeways

Project Scope

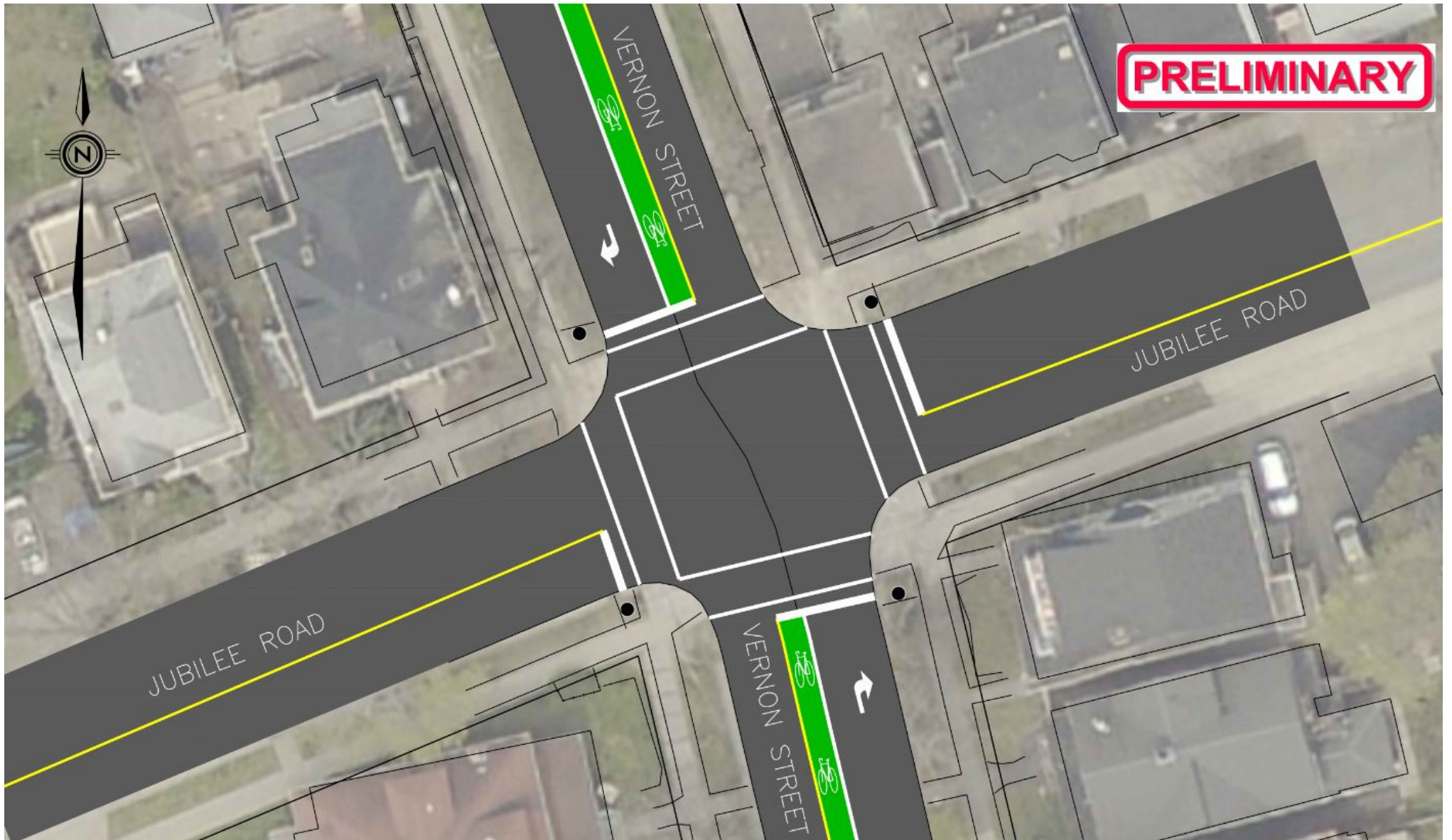
Objectives of  
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Vernon/  
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Allan/Oak

Next Steps

# Vernon Street & Jubilee Road - Option 1



Project  
Background

Overview of  
Local Street  
Bikeways

Project Scope

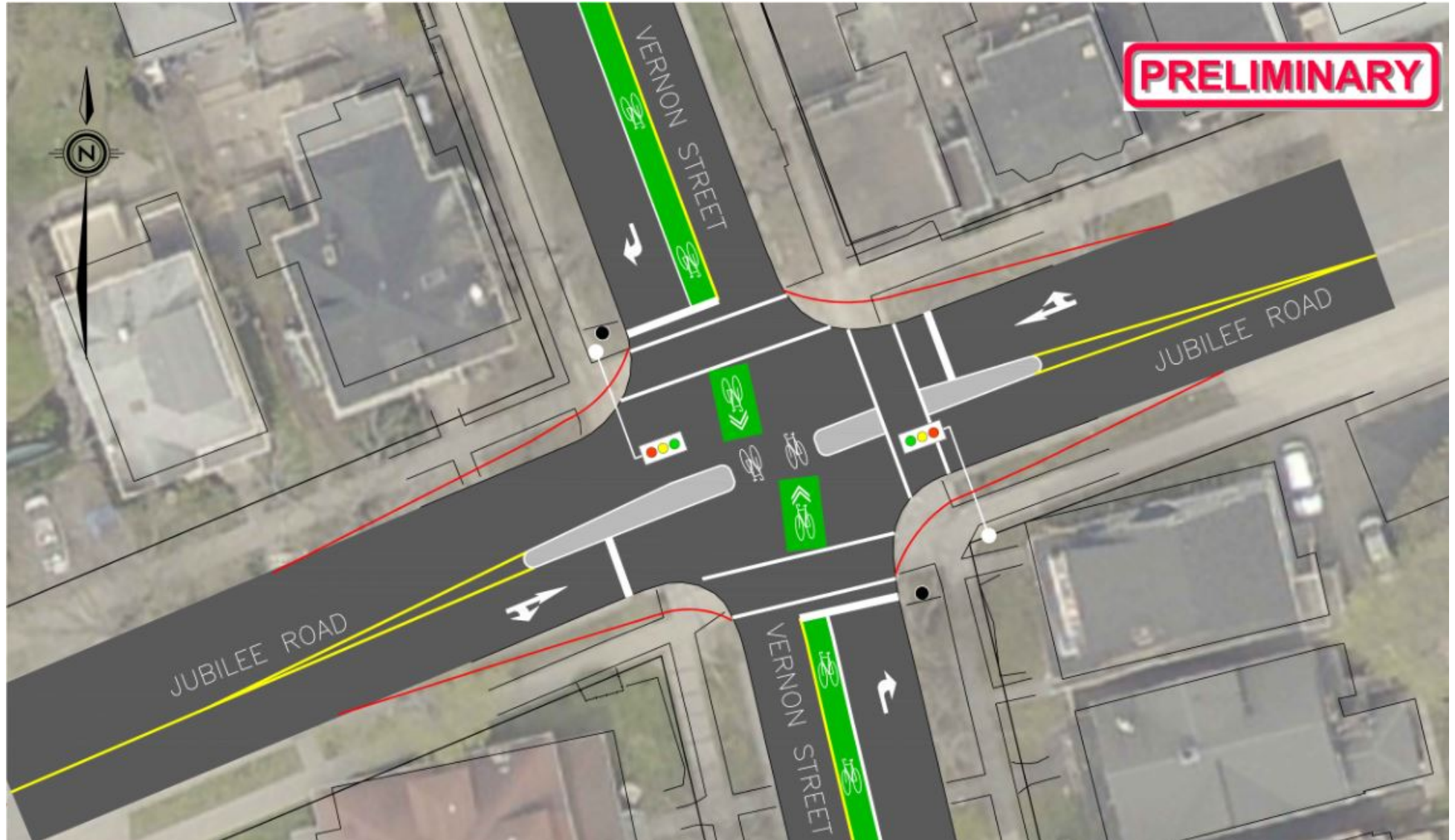
Objectives of  
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Vernon/  
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Next Steps

## Vernon Street & Jubilee Road - Option 2



Project  
Background

Overview of  
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Project Scope

Objectives of  
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Vernon/  
Seymour

Allan/Oak

Next Steps

# Raised Median with Refuge



Project  
Background

Overview of  
Local Street  
Bikeways

Project Scope

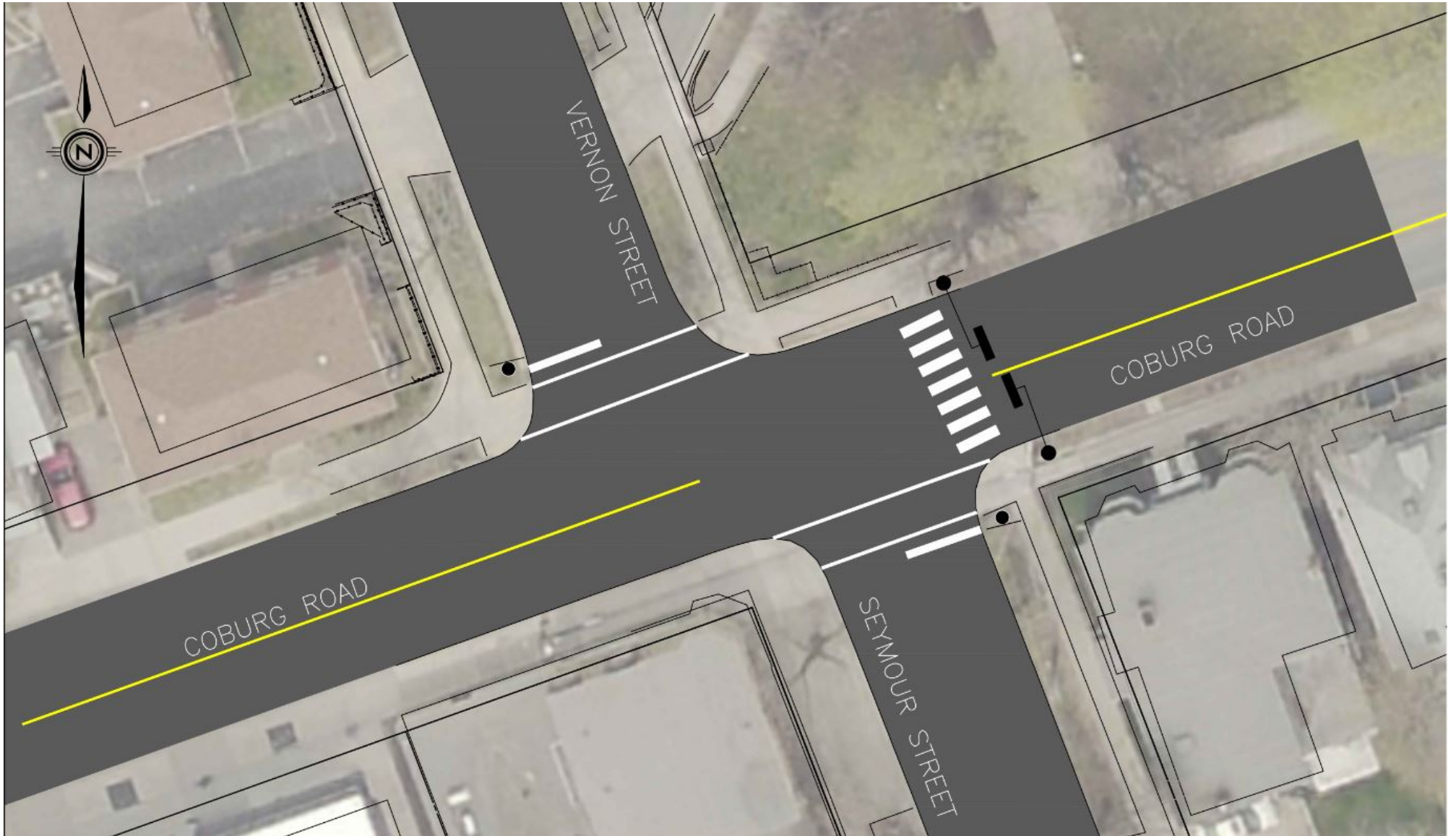
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Vernon/  
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Next Steps

# Vernon Street & Coburg Road - Existing



Project  
Background

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Project Scope

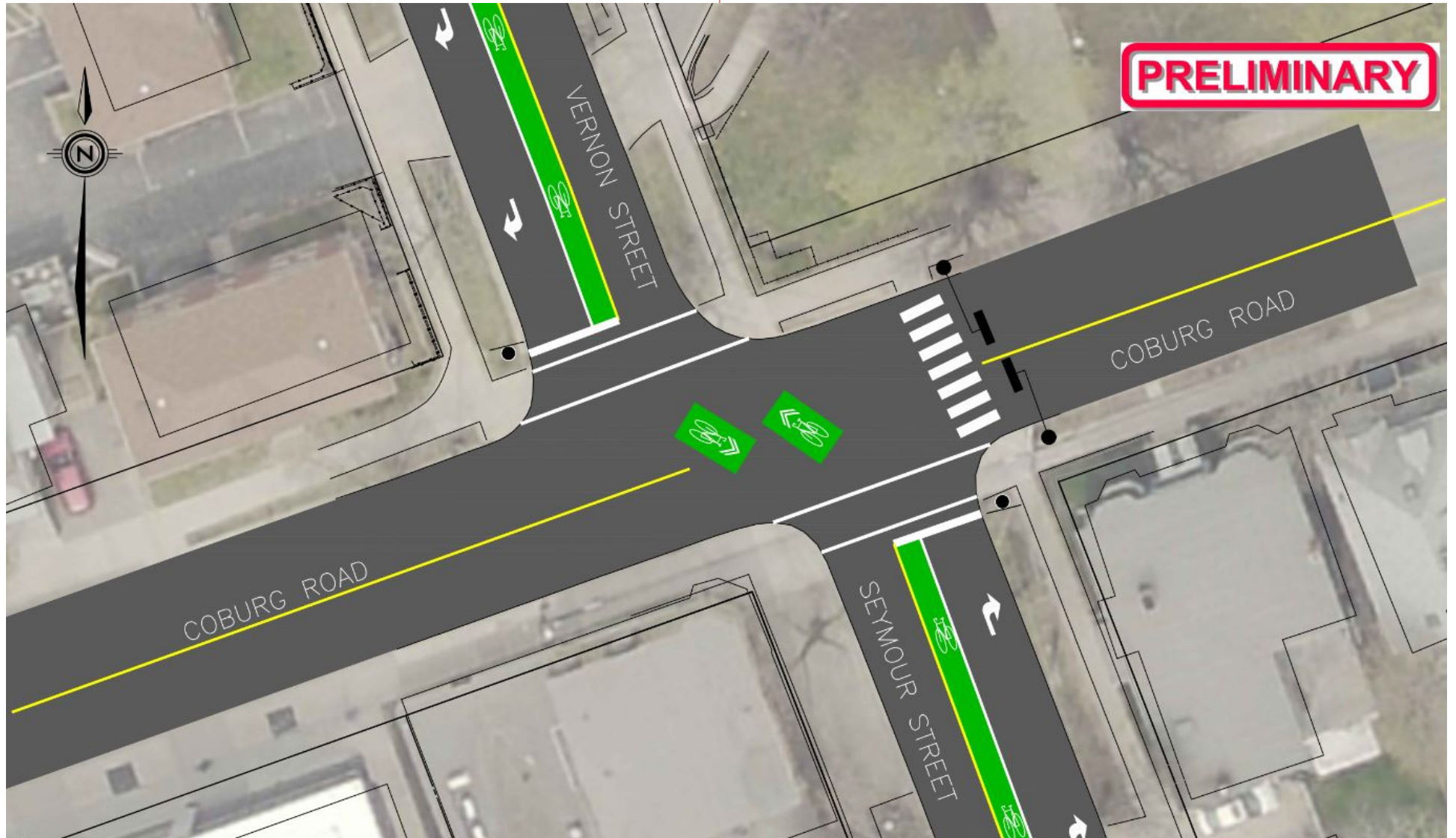
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Next Steps

# Vernon Street & Coburg Road - Option 1



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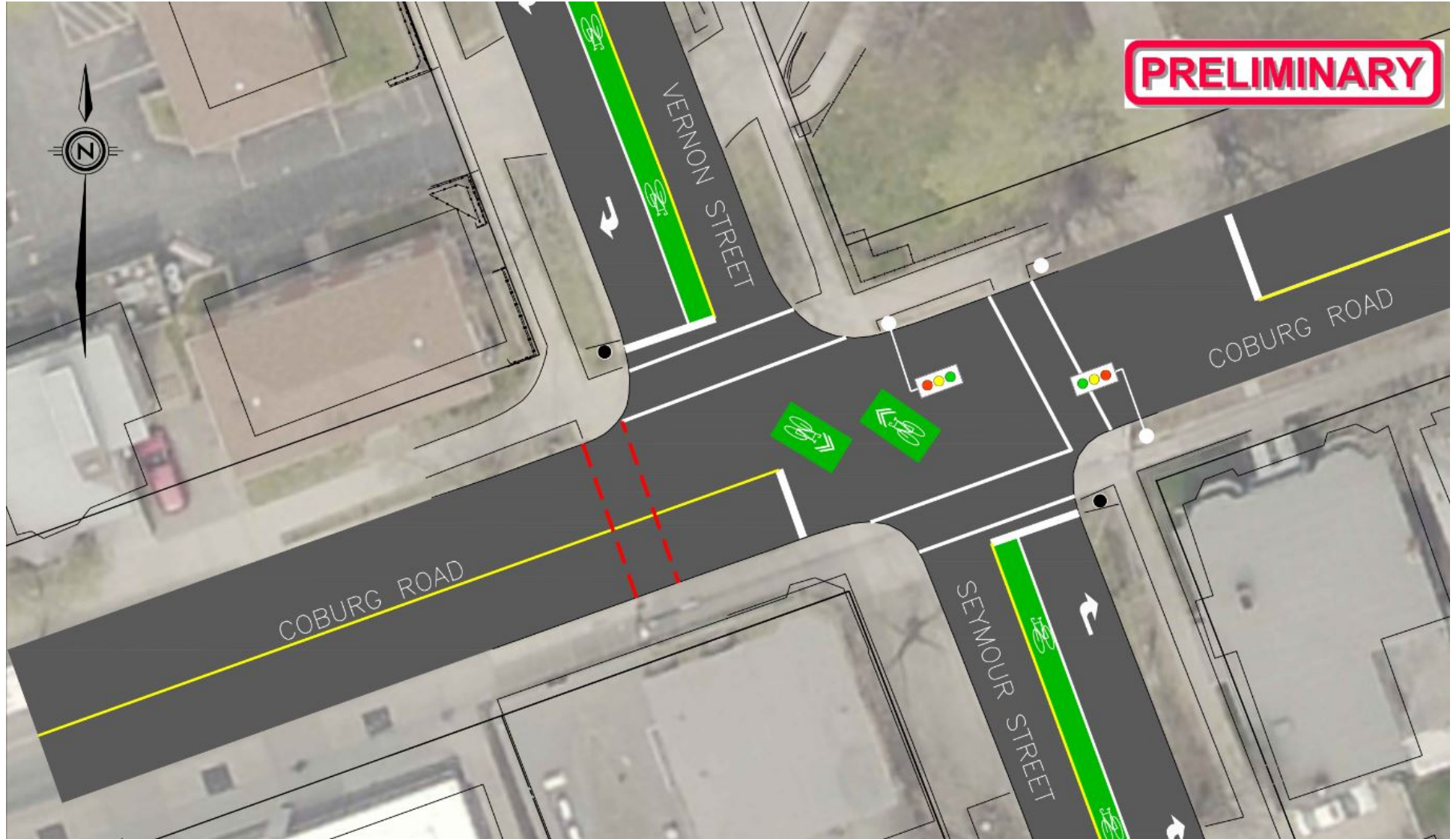
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# Vernon Street & Coburg Road - Option 2





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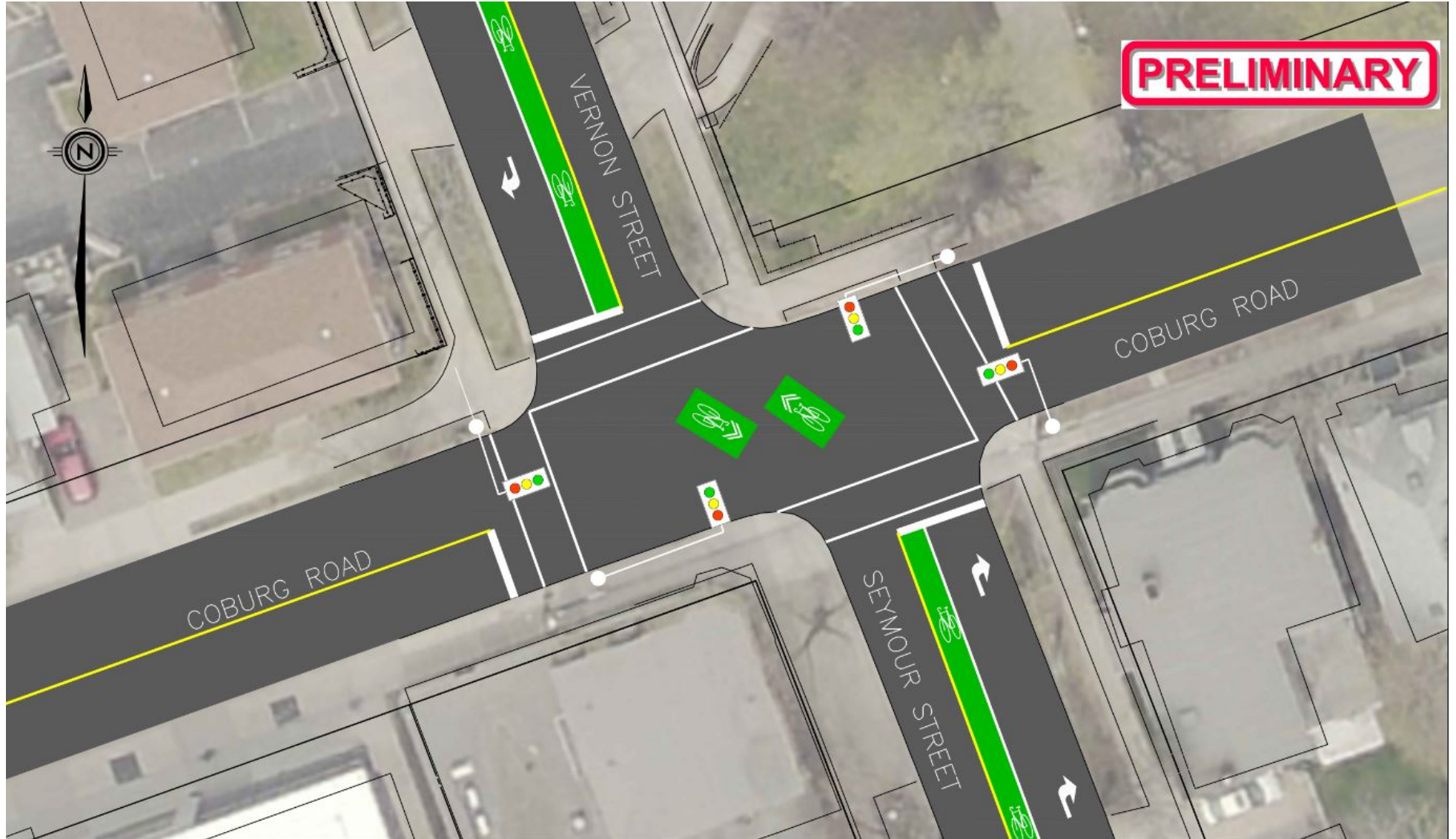
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Vernon/  
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Next Steps

# Vernon Street & Coburg Road - Option 3



## Allan/Oak

- East-west cycling corridor between Windsor St and Connaught Ave.
- 1.06 km section of roadway
- Parallels Quinpool Road and Chebucto Road
- Cycling corridor will aid in the connection to the West End to the HRM core cycling network.
- Opportunity to connect to a potential LSB on Harvard Street.



# Traffic Volumes on Allan/Oak Corridor

## Vehicle Volume Thresholds:

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- > 3,000 vpd – **shall** require consideration of diversion of traffic

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- > 45 km/hr – **shall** require consideration of traffic calming



Allan from Windsor to Monastery – 45 km/hr (85<sup>th</sup> percentile)

Allan from Monastery to Harvard – 39 km/hr (85<sup>th</sup> percentile)

Allan from Harvard to Oxford – 31 km/hr (85<sup>th</sup> percentile)

Oak from Oxford to Beech – 37 km/hr (85<sup>th</sup> percentile)

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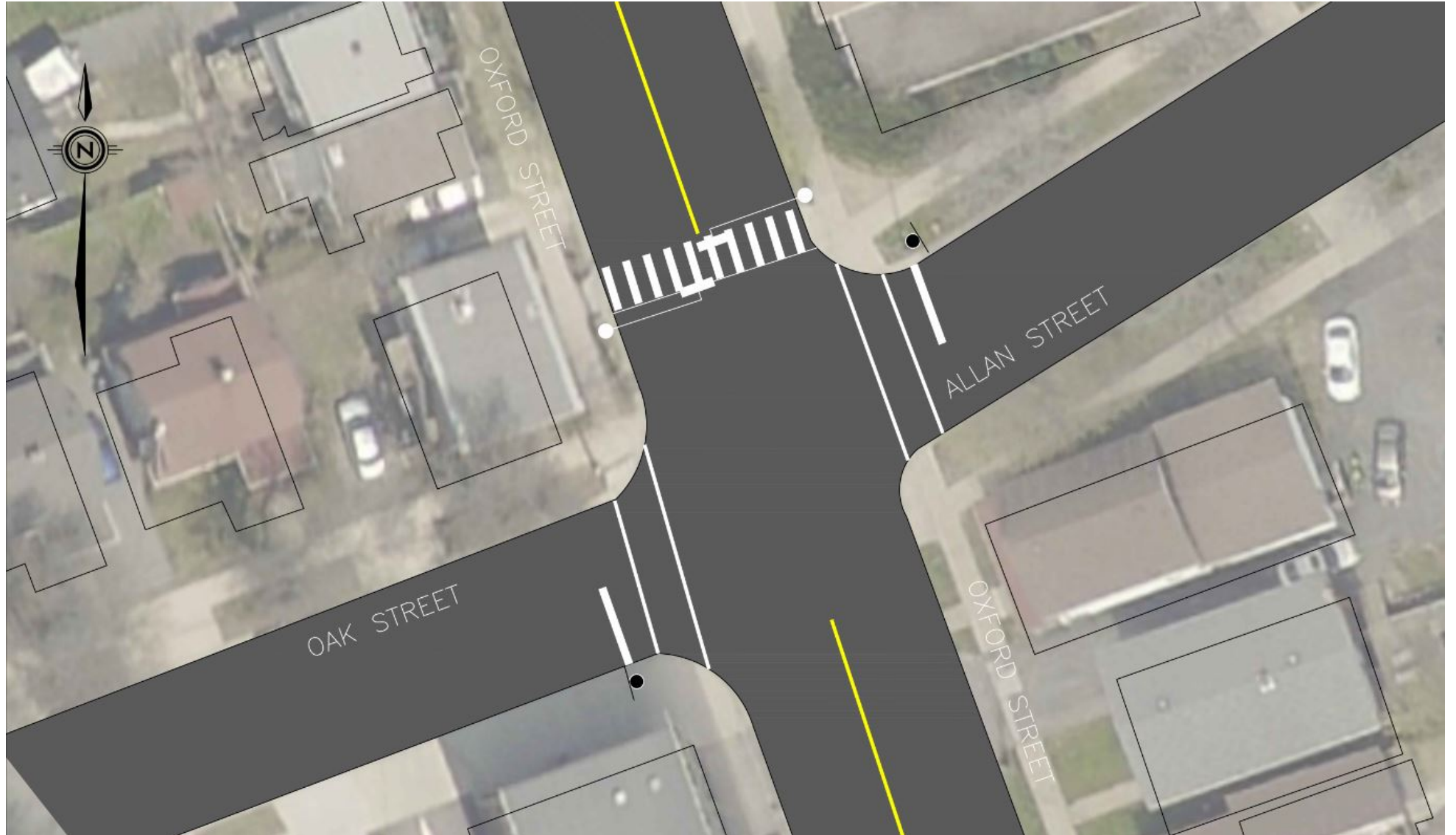
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Next Steps

# Allan Street & Oxford Street - Existing



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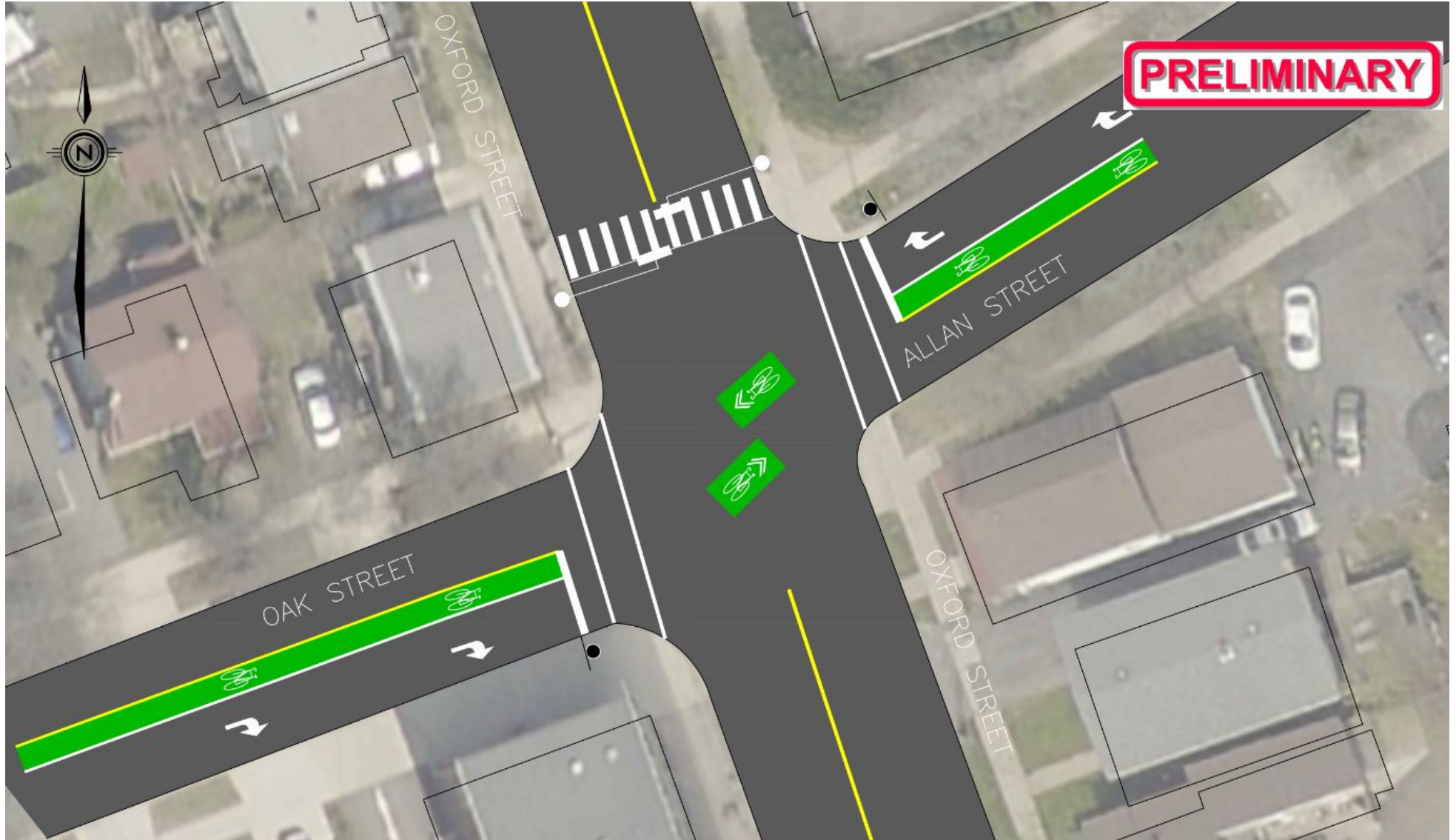
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Next Steps

# Allan Street & Oxford Street - Option 1



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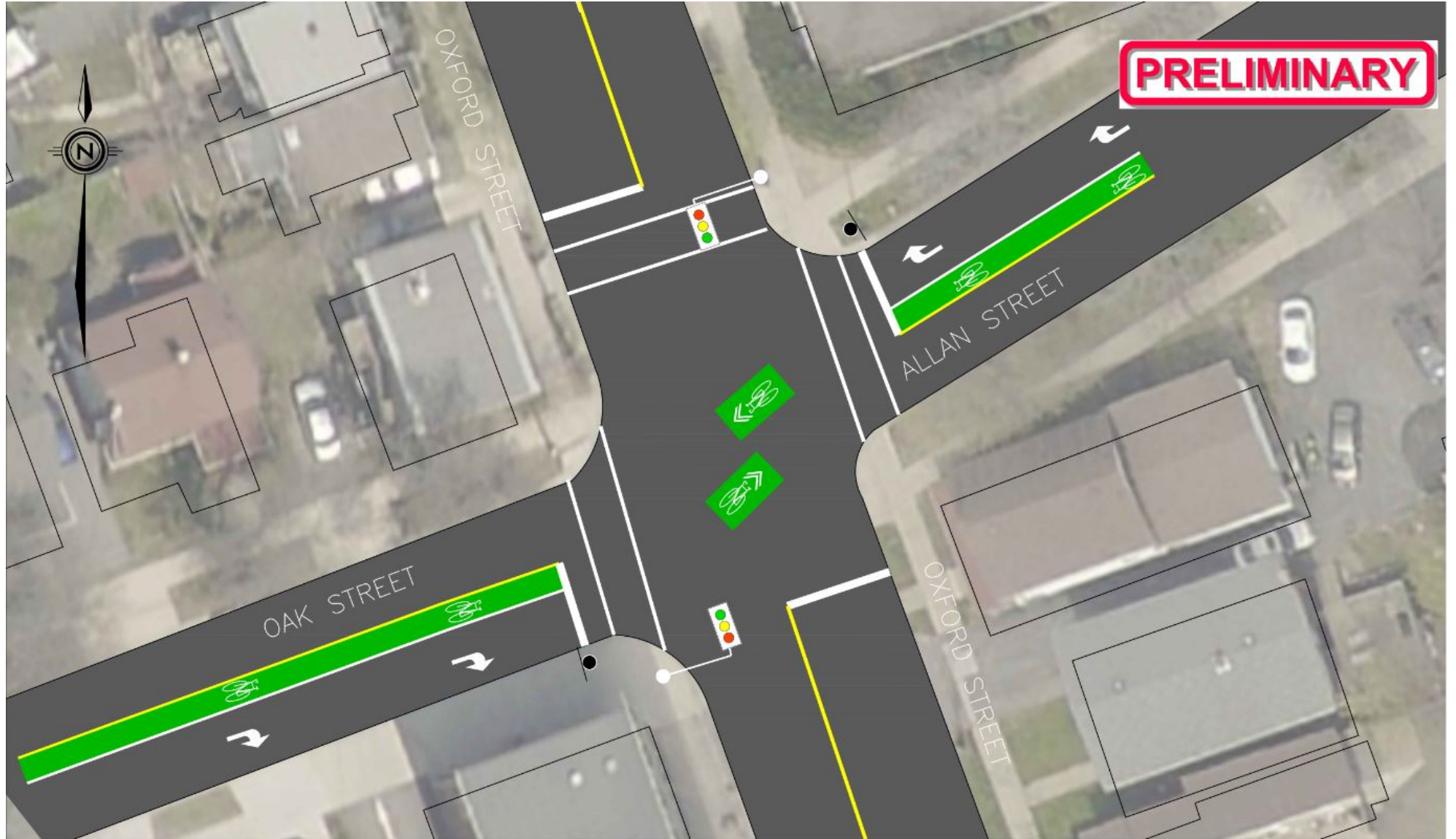
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Next Steps

# Allan Street & Oxford Street - Option 2



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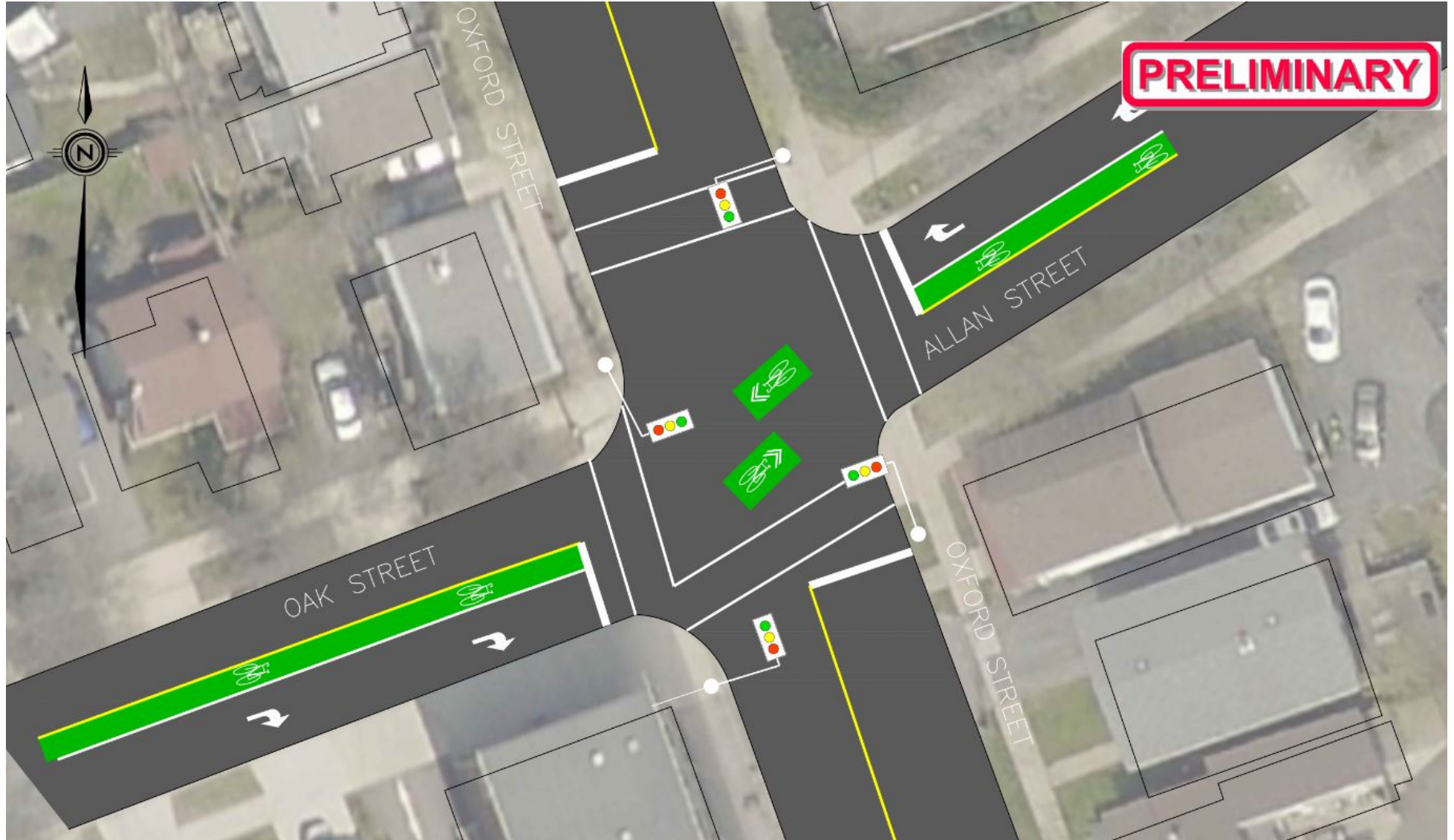
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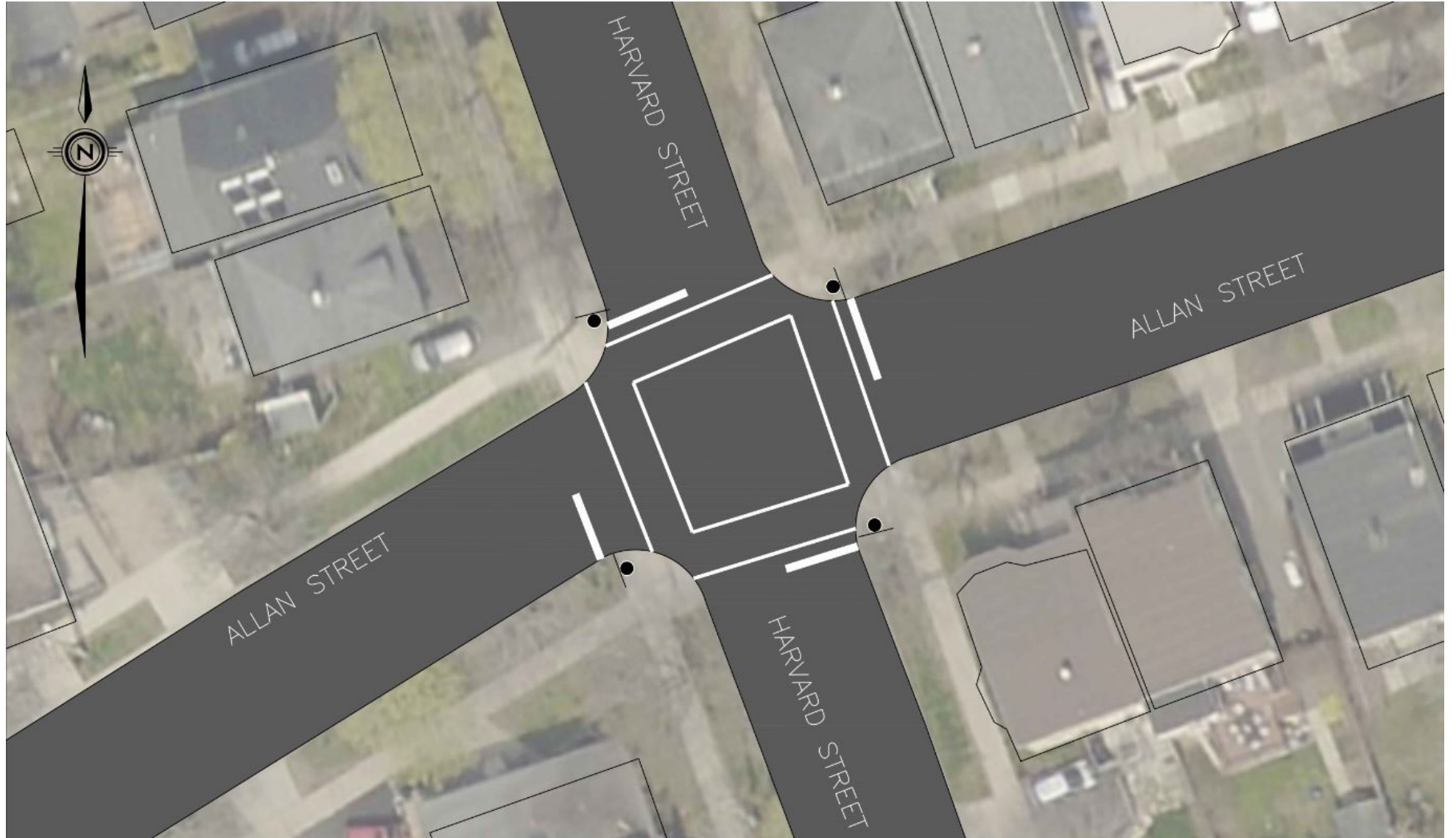
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# Allan Street & Harvard Street - Existing



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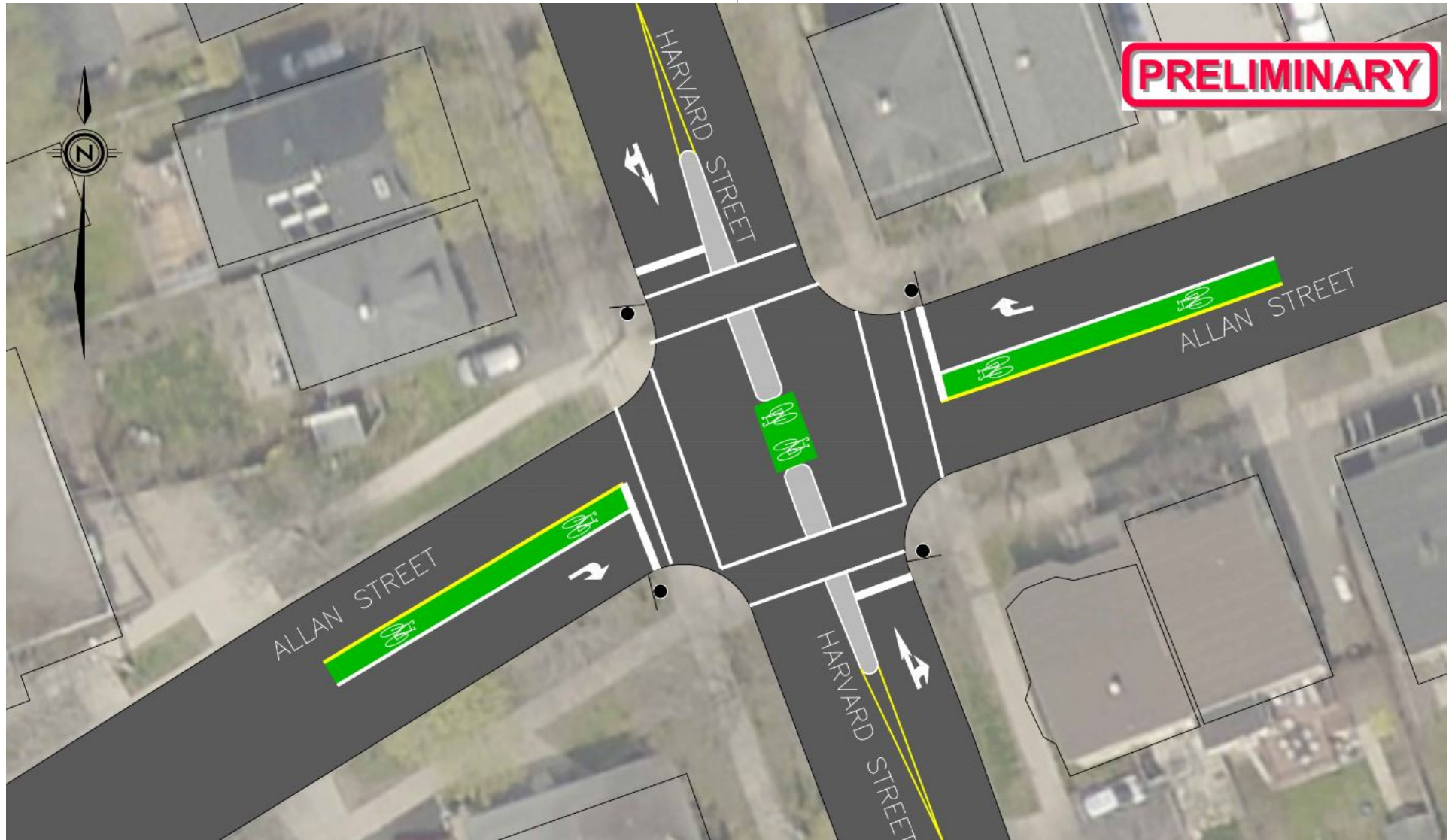
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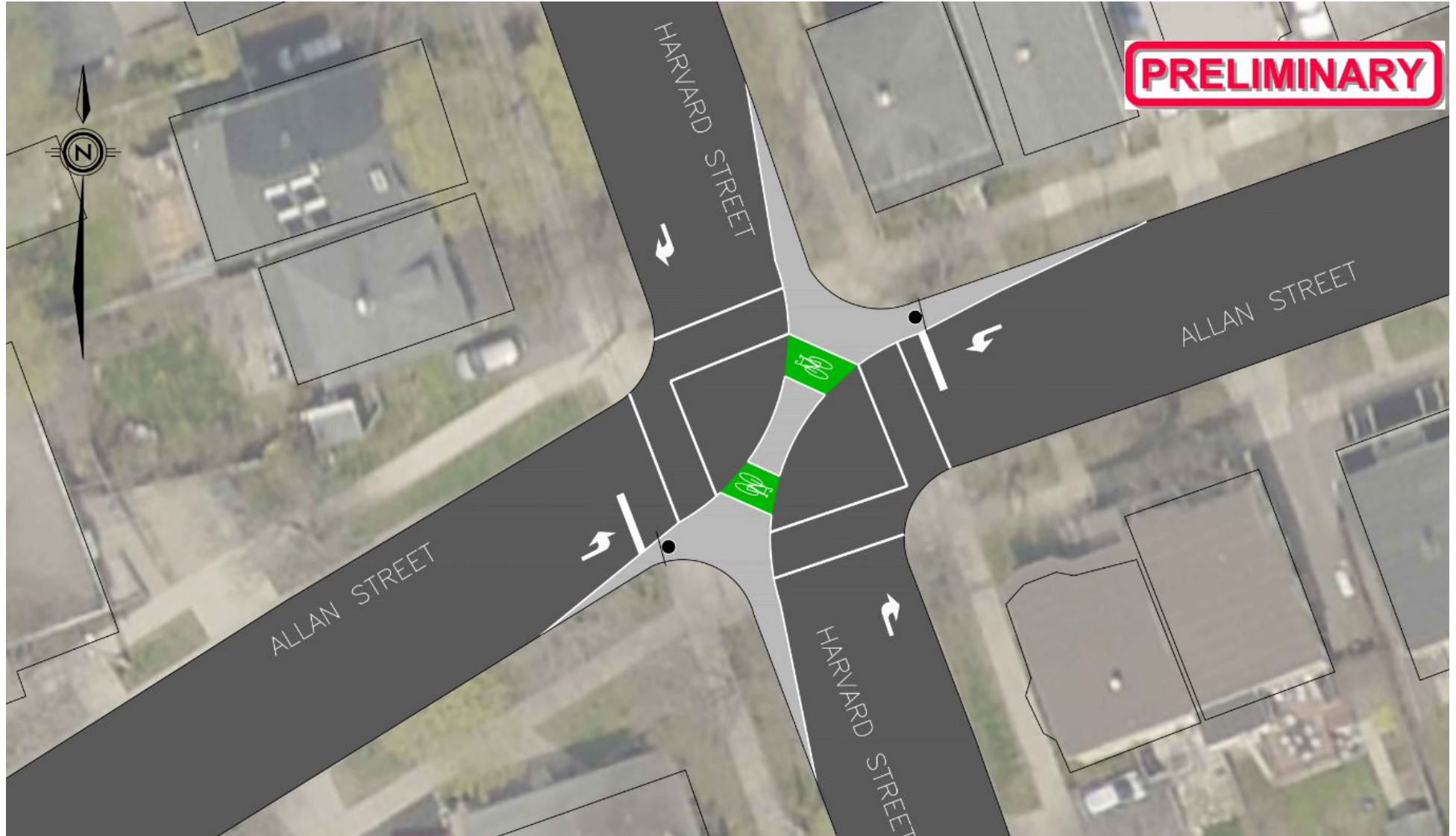
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# Allan Street & Harvard Street – Option 2



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# Diagonal Diverter



## Next Steps

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Thank you!