

248TH AVENUE

103RD STREET TO 95TH STREET

Phase I Study

Public Information Meeting #2

August 31, 2020



Naperville

Introductions

City of Naperville

- Ray Fano, P.E. – Project Engineer
- Andy Hynes, P.E., PTOE - Deputy City Engineer / Transportation, Engineering and Development Business Group

Civiltech Engineering, Inc.

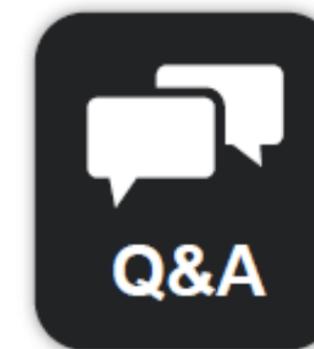
- Joel Christell, P.E. – Project Manager
- Jim Tibble, P.E. – Project Engineer

Agenda

- What we heard – PIM #1 and survey
- Project purpose and need
- Crash and traffic analyses
- Present 3 alternatives that were developed based on engineering studies and feedback at the first public information meeting
- Next steps and schedule
- Gather public feedback to aid in the selection of a Preferred Alternative

Webinar Information

- Use “Q&A” to ask questions
 - You can ask questions at anytime throughout this presentation
 - Q&A session will occur at the end of the presentation
 - Questions not addressed will be posted to the project website
- Call-in option available (if you lose internet)
 - (312) 626-6799
 - Webinar ID: 895 2800 2939
 - Passcode: 195622
- The webinar is being recorded and will be posted on the project website:
<https://www.naperville.il.us/projects-in-naperville/248th-avenue/>



Public Information Meeting #2

- **Virtual Public Webinar**
August 31, 2020
- **In-person Public Information Meeting**
September 10, 2020
(September 17, 2020 in case of rain cancellation)
 - **Location:** Commissioners Park Pavilion
3704 111th Street
Naperville, IL 60564

The same information presented in this virtual meeting will also be presented at the in-person meeting.

Project Location



What We Heard – PIM #1 & Survey

Responses to the survey and discussion at the first public meeting included the following:

- Need for widening of the roadway to 4 lanes
- Existing traffic congestion
- High vehicle speeds within the corridor
- Connection of the gaps in the path on the west side of 248th Avenue
- Addition of sidewalk on the east side of 248th Avenue
- Pedestrian and bicyclist safety; especially at the Tall Grass Greenway Trail crossing
- Need for street lighting
- Improper usage of the Carillon Club entrance drive
- Investigate noise walls if roadway is widened

Project Purpose and Need



Reduce Congestion and Improve Mobility, Access, and Safety

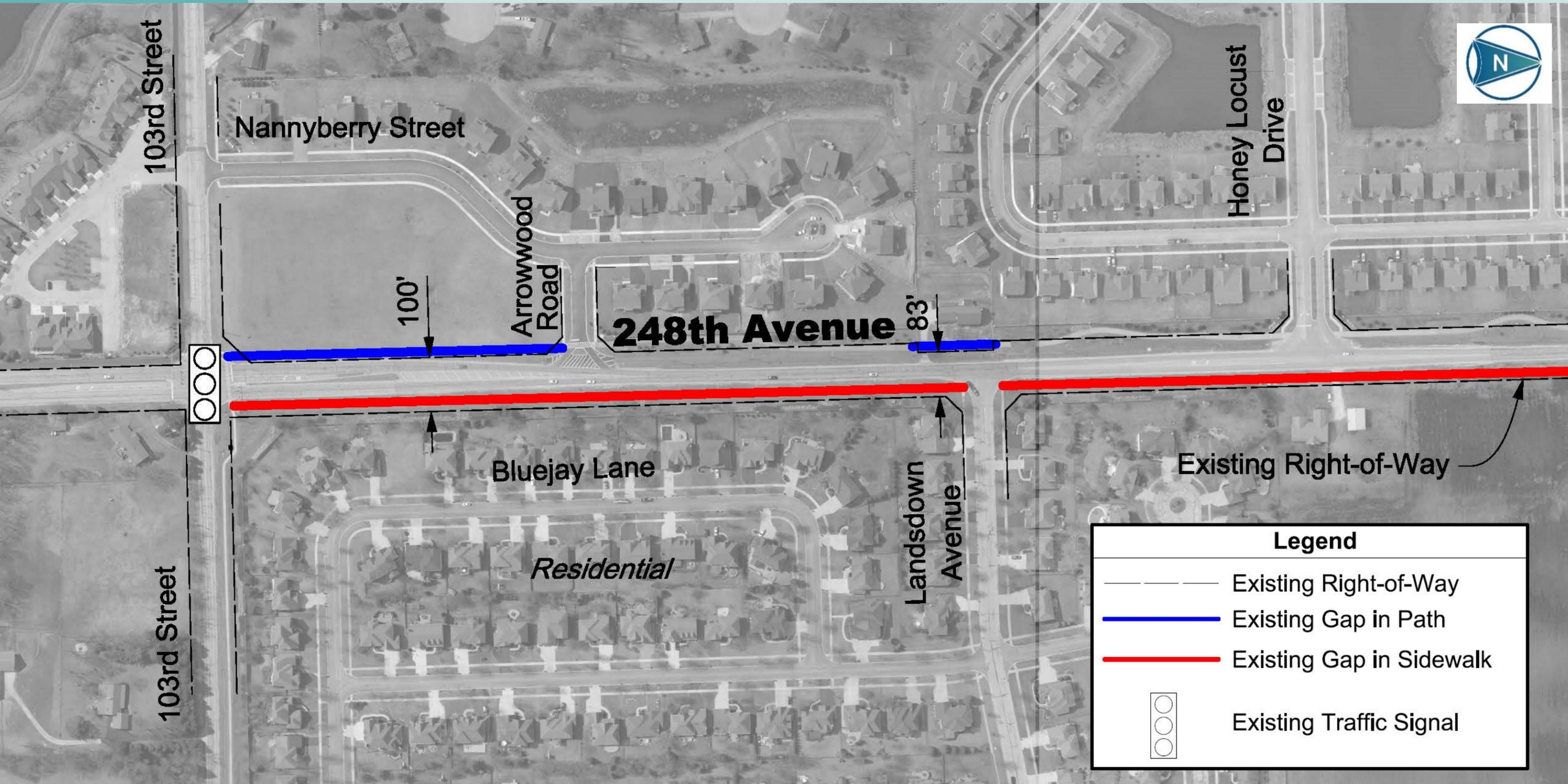


Encourage and Increase Use of Alternative Modes of Transportation

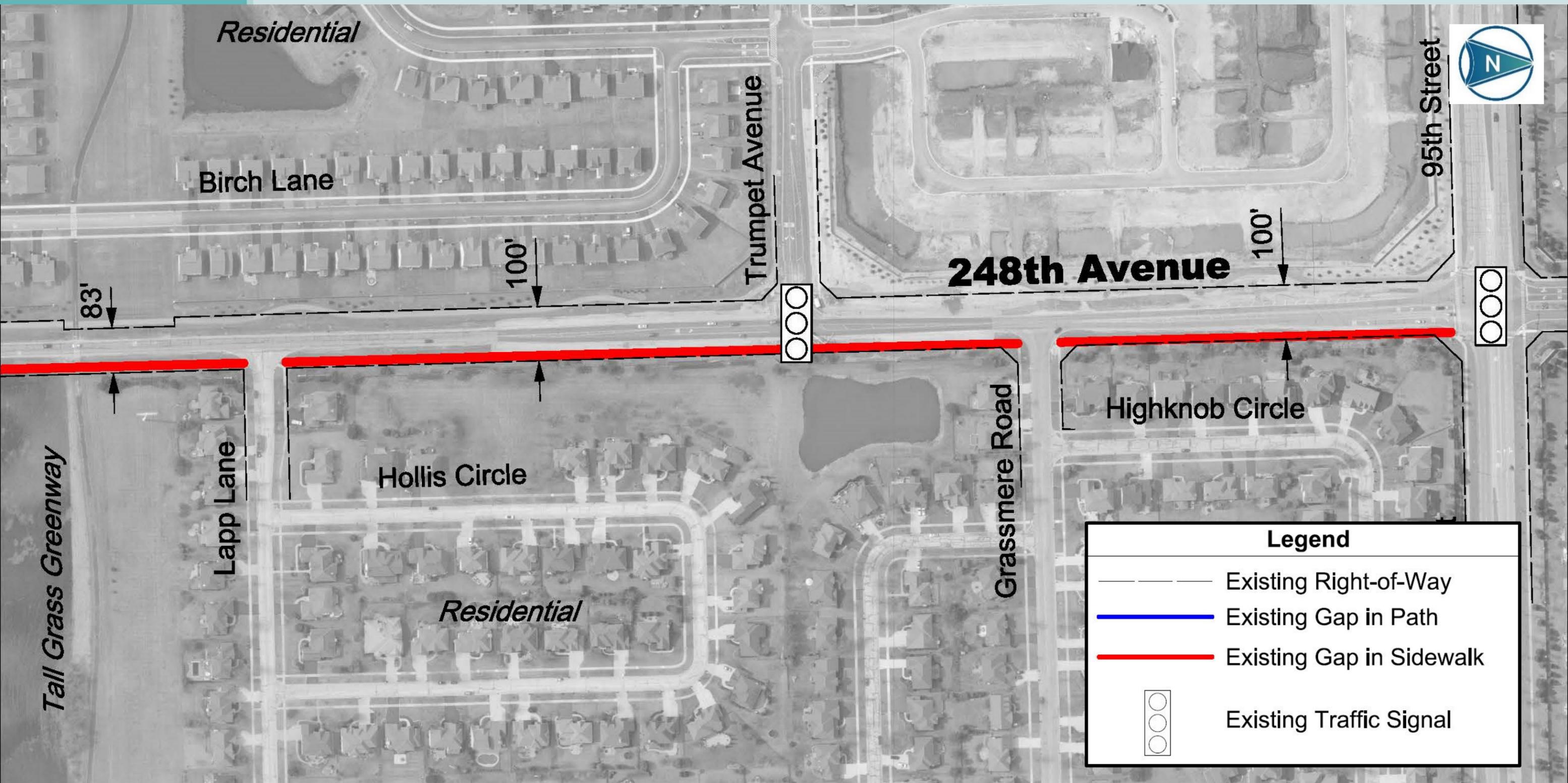


Increase Safety for Bicyclists and Pedestrians

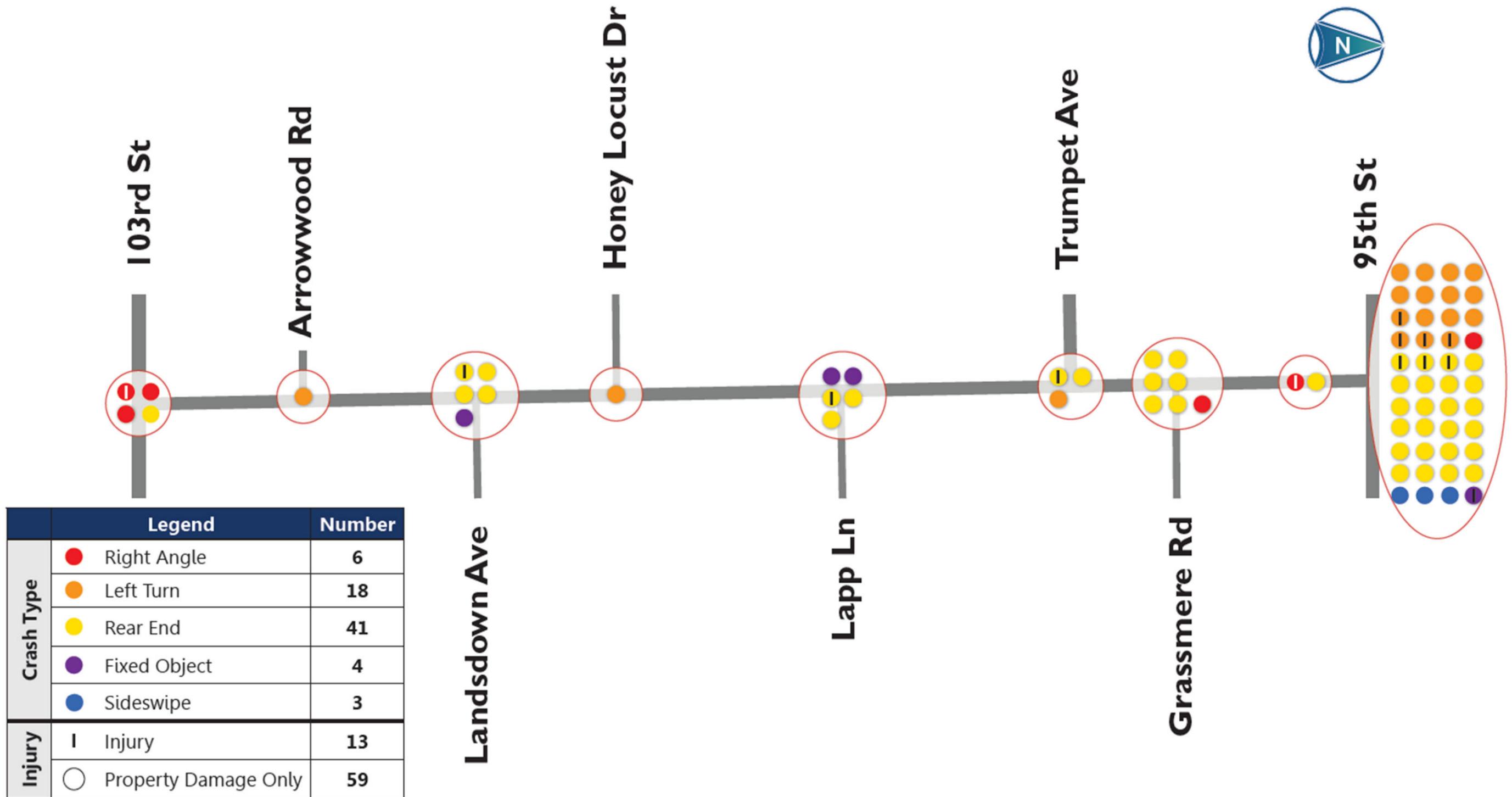
Existing Conditions



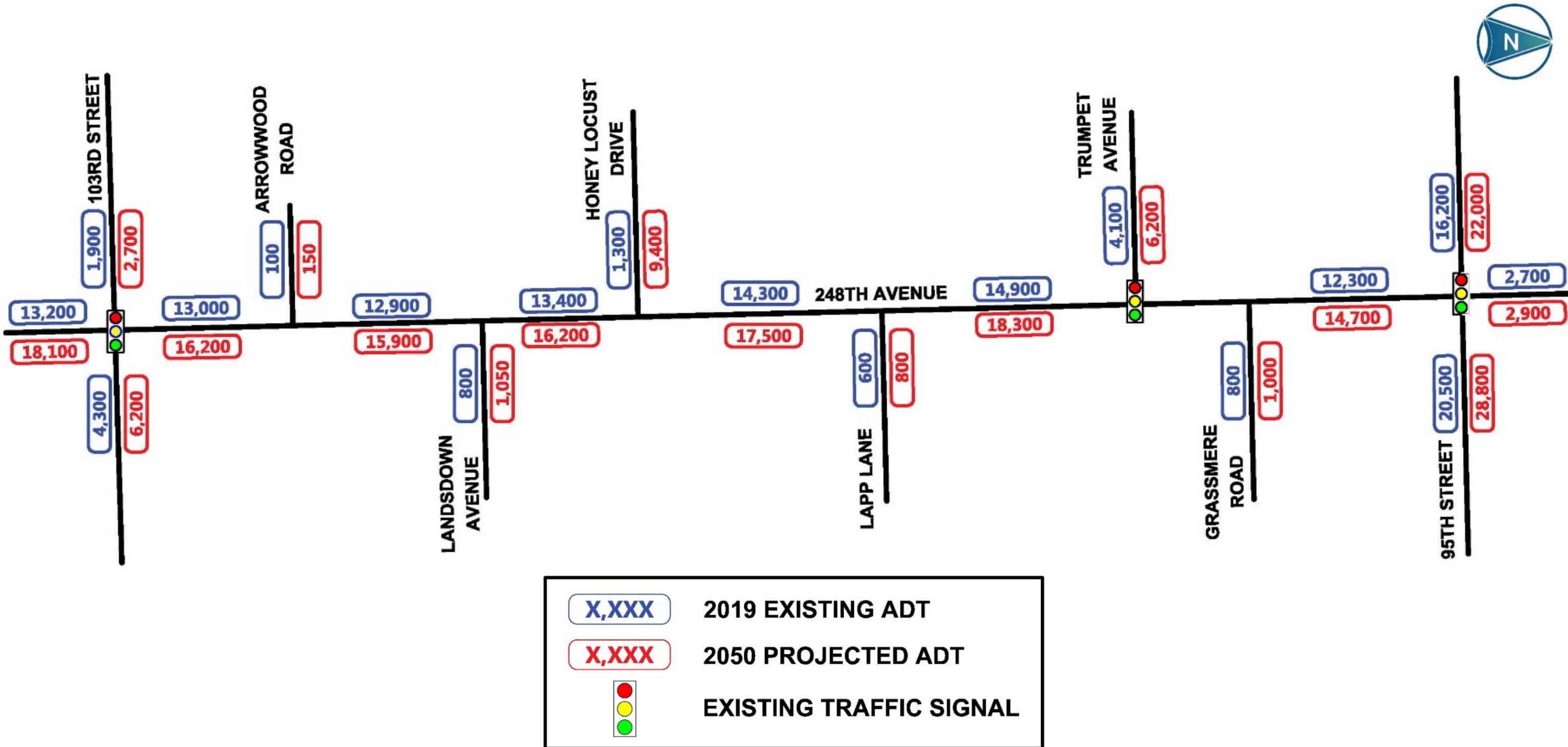
Existing Conditions



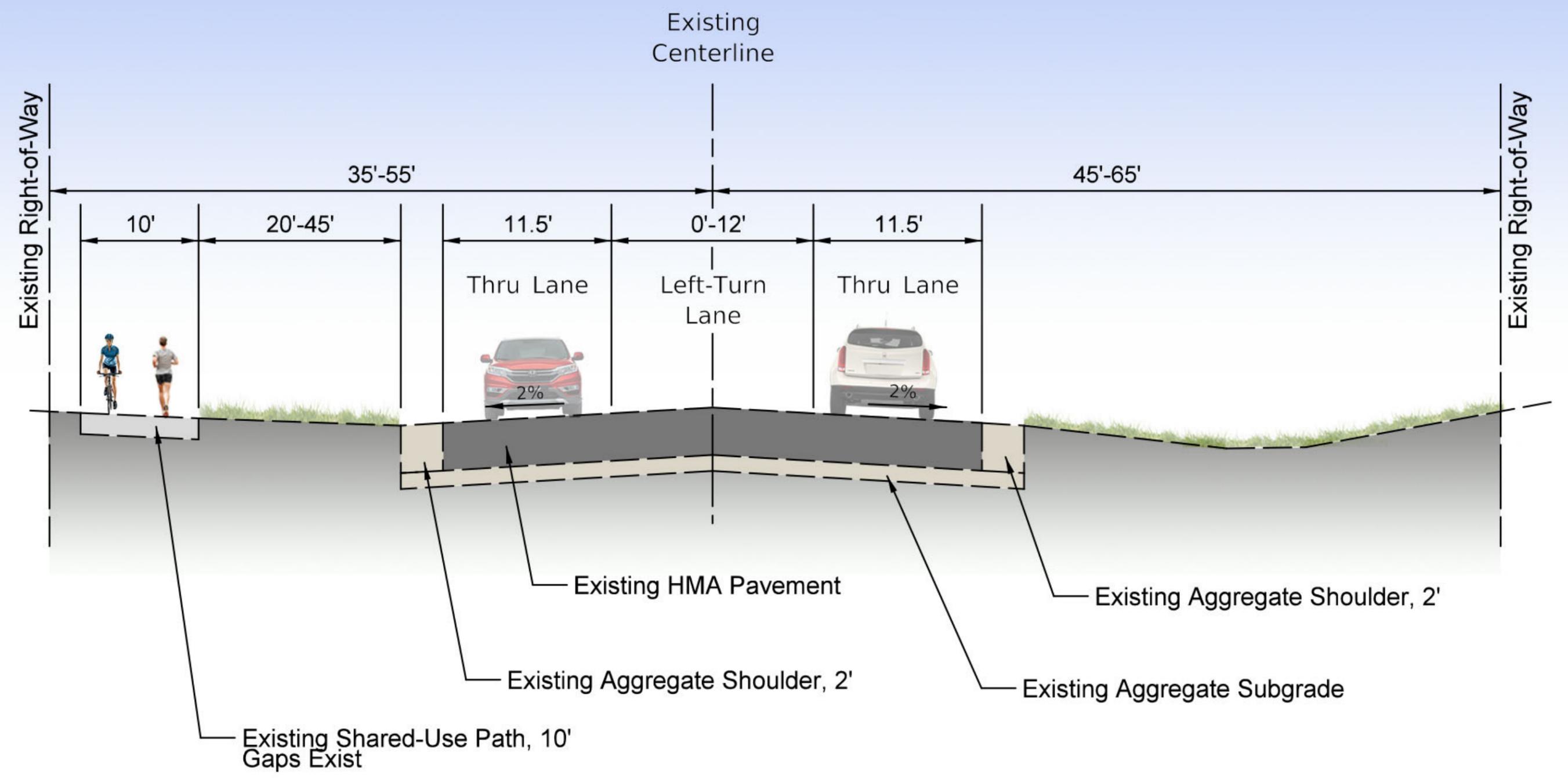
Crash Location and Severity (2015-2019)



Existing and 2050 Traffic Volumes



Existing Typical Section

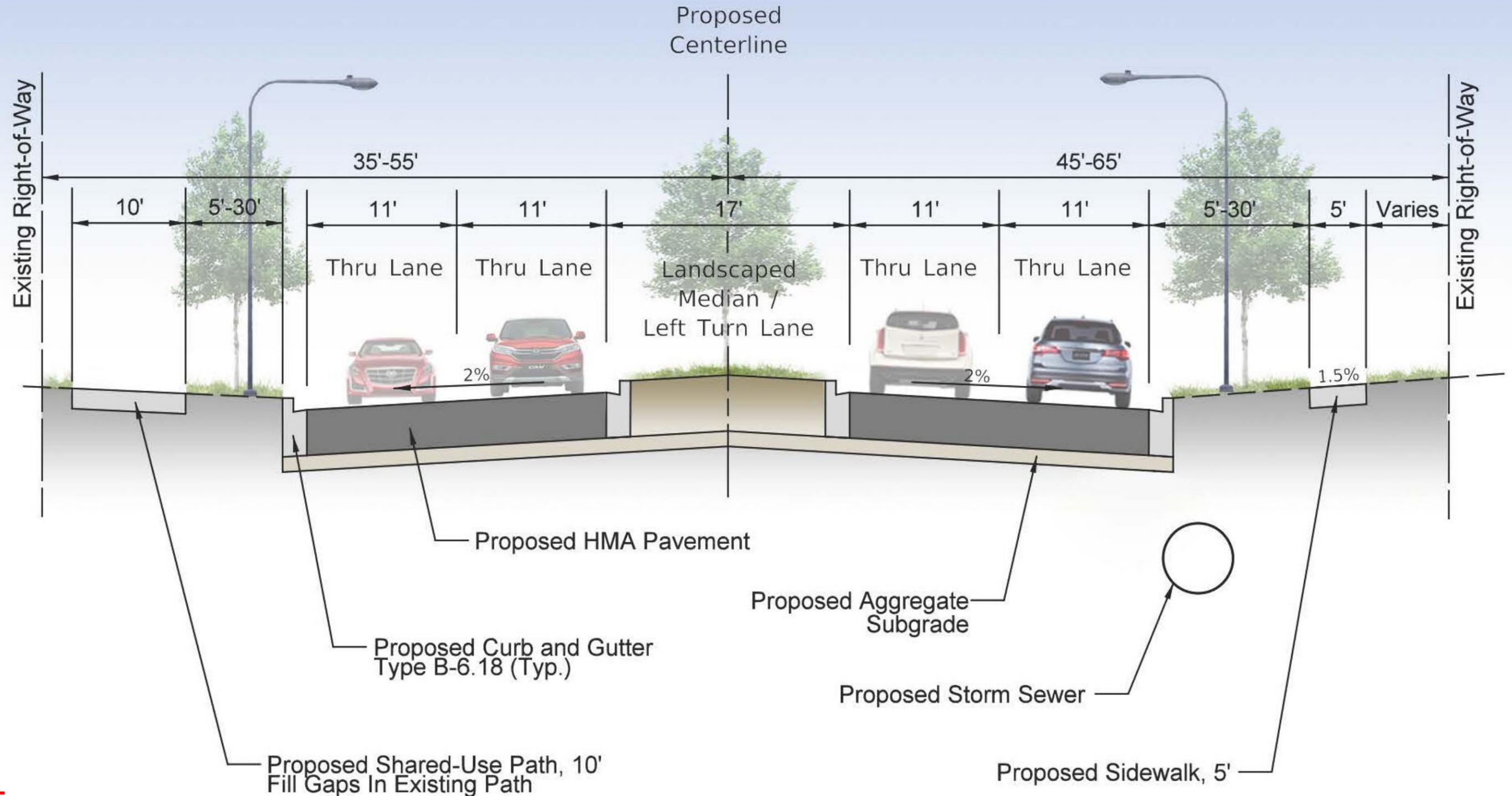


Potential Improvements

- **Alternative 1**
17-Foot Median With Symmetrical Widening
- **Alternative 2**
17-Foot Median With Asymmetrical Widening
- **Alternative 3**
12-Foot Median With Symmetrical Widening

Each alternative is a concept design. Upon selection of the Preferred Alternative, the final design will be further refined.

Alternative 1 – 17-Foot Median With Symmetrical Widening



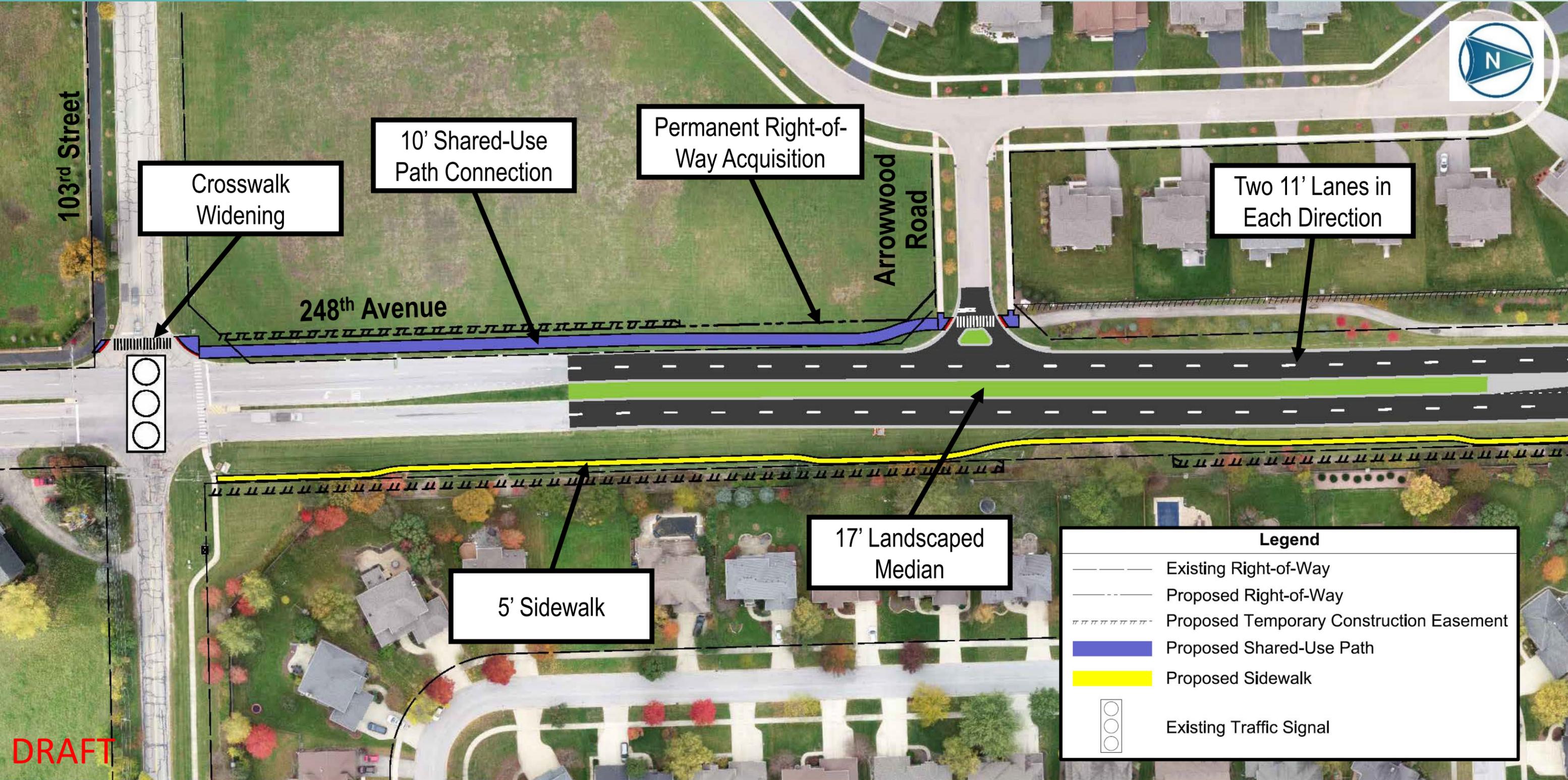
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248TH AVENUE

103RD STREET TO 95TH STREET

Phase I Study

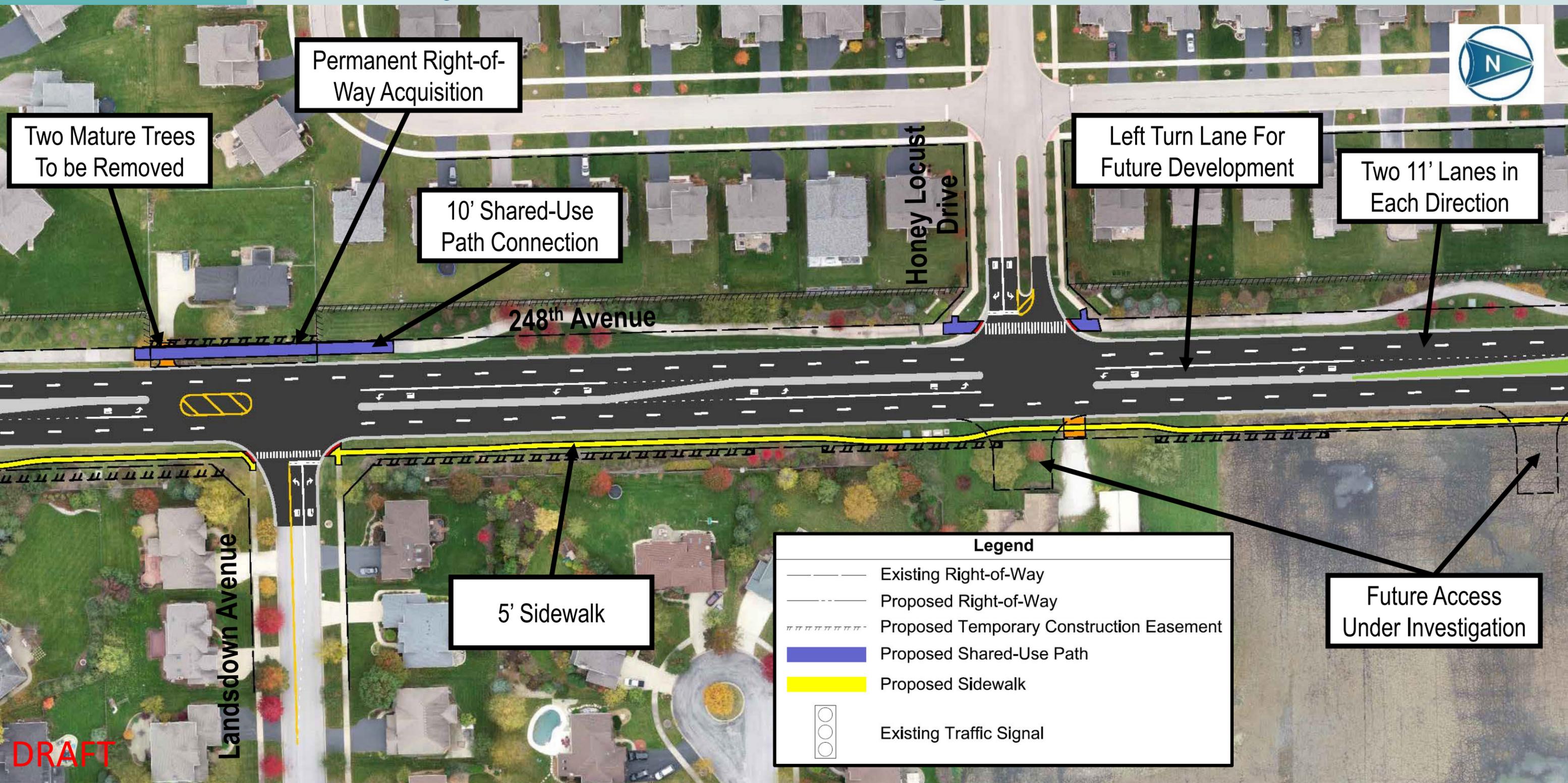
Alternative 1 – 17-Foot Median With Symmetrical Widening



Legend	
	Existing Right-of-Way
	Proposed Right-of-Way
	Proposed Temporary Construction Easement
	Proposed Shared-Use Path
	Proposed Sidewalk
	Existing Traffic Signal

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Alternative 1 – 17-Foot Median With Symmetrical Widening



Permanent Right-of-Way Acquisition

Two Mature Trees To be Removed

10' Shared-Use Path Connection



Left Turn Lane For Future Development

Two 11' Lanes in Each Direction

248th Avenue

Honey Locust Drive

Landsdown Avenue

5' Sidewalk

Future Access Under Investigation

Legend	
	Existing Right-of-Way
	Proposed Right-of-Way
	Proposed Temporary Construction Easement
	Proposed Shared-Use Path
	Proposed Sidewalk
	Existing Traffic Signal

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248TH AVENUE

103RD STREET TO 95TH STREET

Phase I Study

Alternative 1 – 17-Foot Median With Symmetrical Widening



Rectangular Rapid
Flashing Beacon
(RRFB)

10' Shared-Use
Path Realignment

Left Turn Lane

Two 11' Lanes in
Each Direction

248th Avenue

Investigate Pedestrian
Refuge Island –
Two Stage Crossing

Lapp Lane

5' Sidewalk

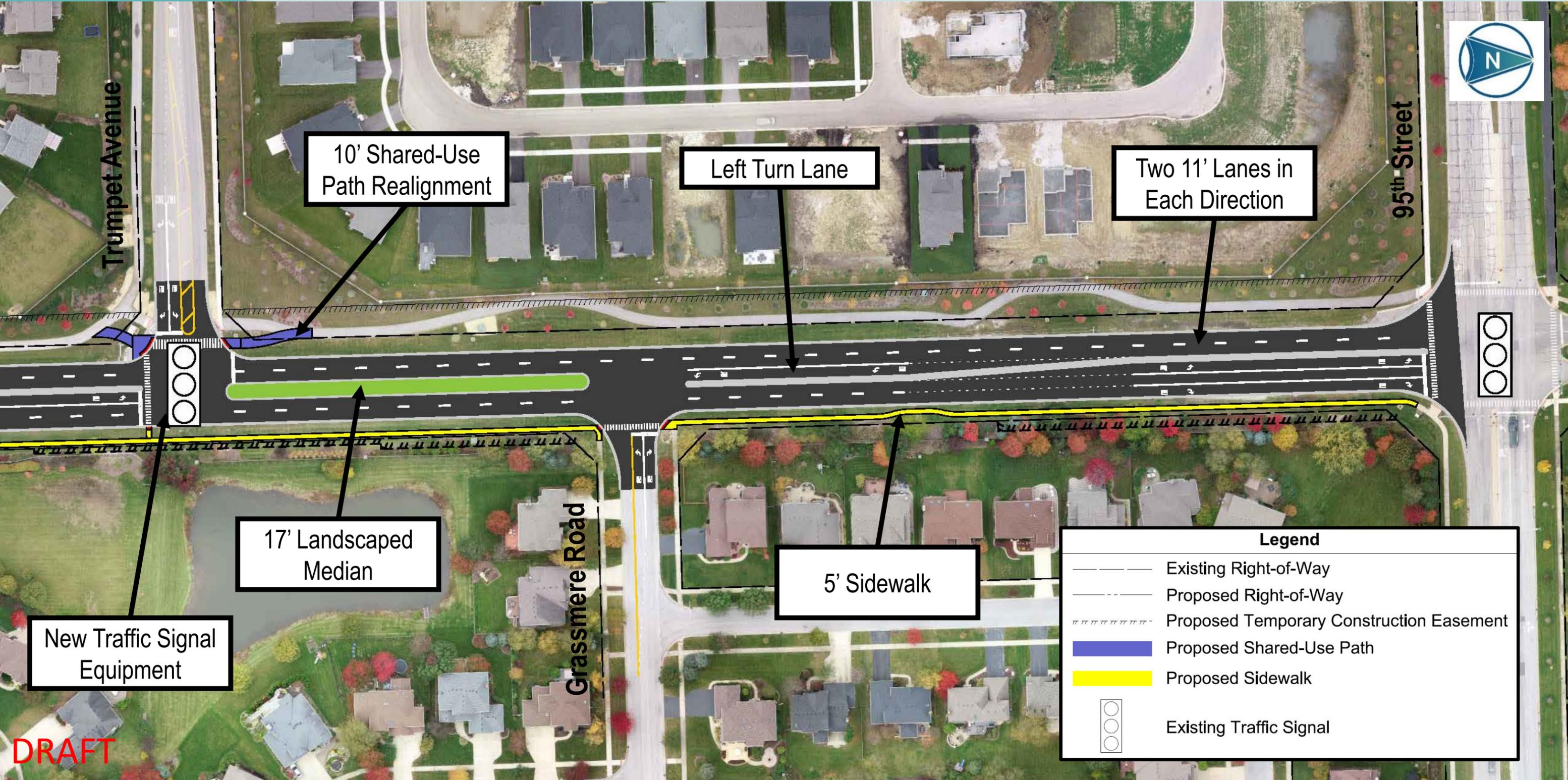
Legend

- Existing Right-of-Way
- Proposed Right-of-Way
- Proposed Temporary Construction Easement
- Proposed Shared-Use Path
- Proposed Sidewalk
- Existing Traffic Signal

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Tall Grass
Greenway Trail

Alternative 1 – 17-Foot Median With Symmetrical Widening



10' Shared-Use Path Realignment

Left Turn Lane

Two 11' Lanes in Each Direction

17' Landscaped Median

5' Sidewalk

New Traffic Signal Equipment

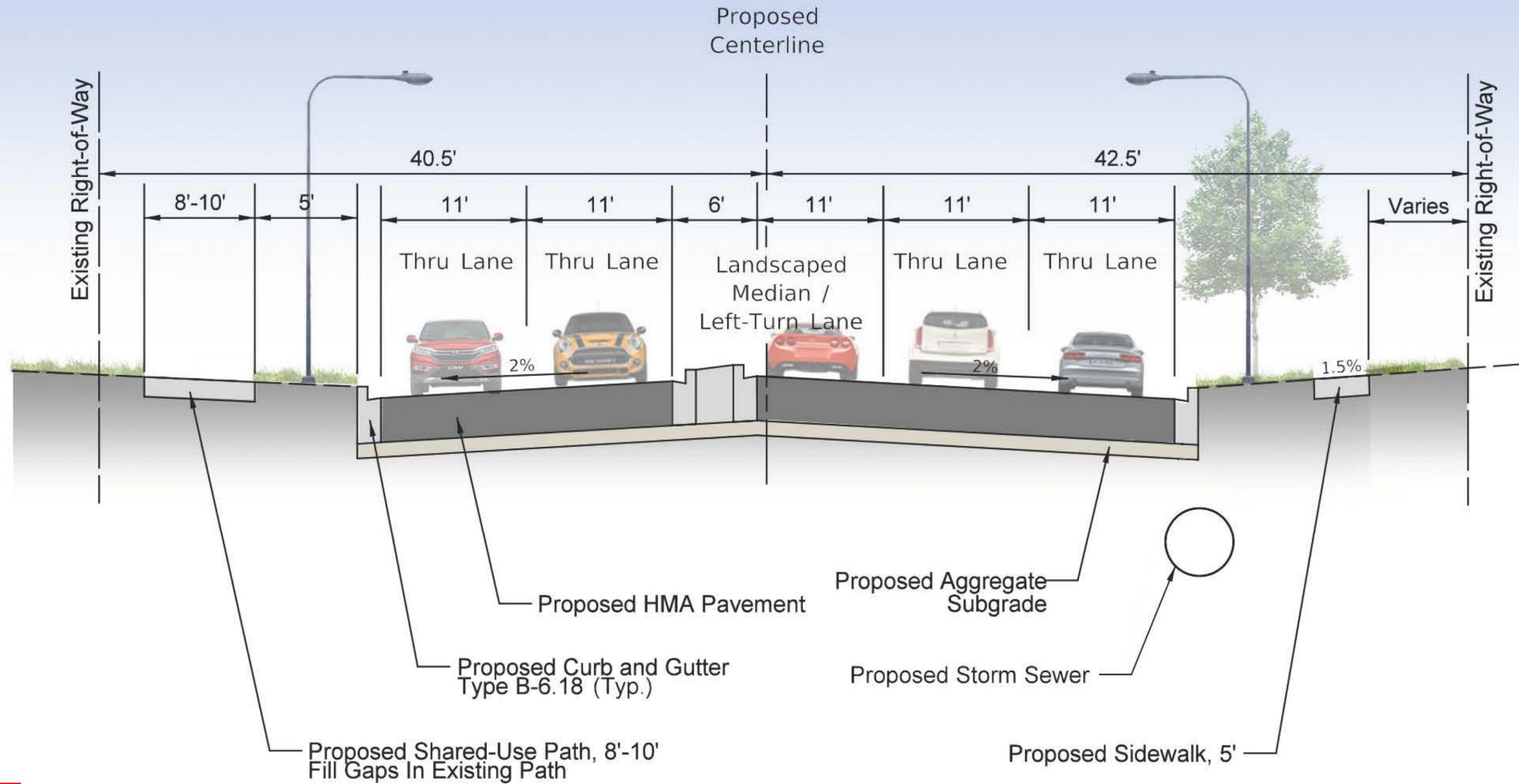
Legend	
	Existing Right-of-Way
	Proposed Right-of-Way
	Proposed Temporary Construction Easement
	Proposed Shared-Use Path
	Proposed Sidewalk
	Existing Traffic Signal

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Alternative 1 Characteristics

- Two 11-foot travel lanes in each direction
- 17-foot median
- Full shared-use path connection from 103rd Street to 95th Street
 - Two mature trees to be removed
- Requires new traffic signal equipment at Trumpet Avenue
- Side streets striped to provide left and right turn channelization
- Potential offset Tall Grass Greenway Trail Crossing and Rectangular Rapid Flashing Beacon (RRFB)
- 5-foot sidewalk on east side, minimizing landscaping impacts

Alternative 2 – 17-Foot Median With Horizontal Roadway Realignment



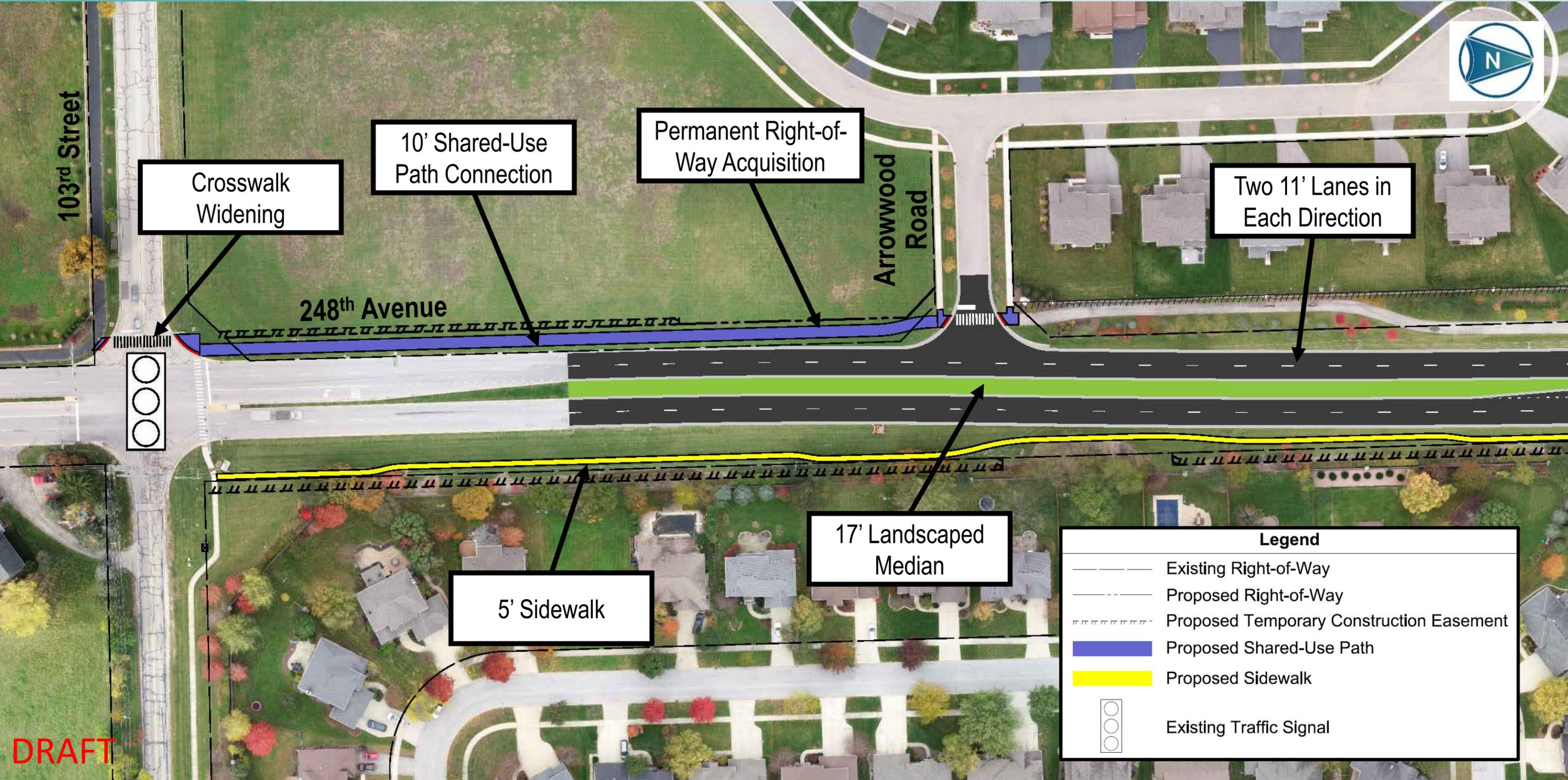
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248TH AVENUE

103RD STREET TO 95TH STREET

Phase I Study

Alternative 2 – 17-Foot Median With Asymmetrical Widening



Crosswalk Widening

10' Shared-Use Path Connection

Permanent Right-of-Way Acquisition

Two 11' Lanes in Each Direction

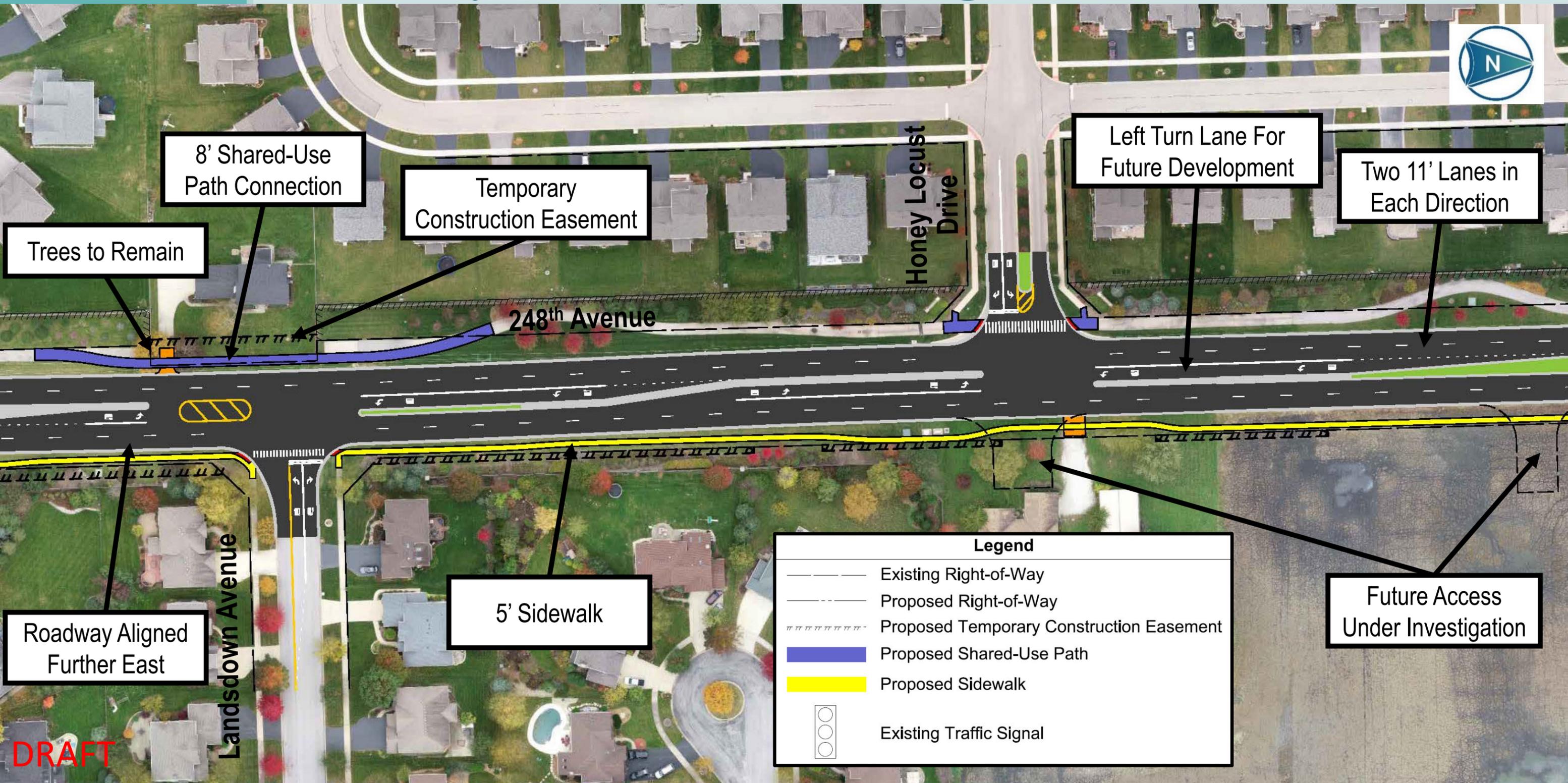
5' Sidewalk

17' Landscaped Median

Legend	
	Existing Right-of-Way
	Proposed Right-of-Way
	Proposed Temporary Construction Easement
	Proposed Shared-Use Path
	Proposed Sidewalk
	Existing Traffic Signal

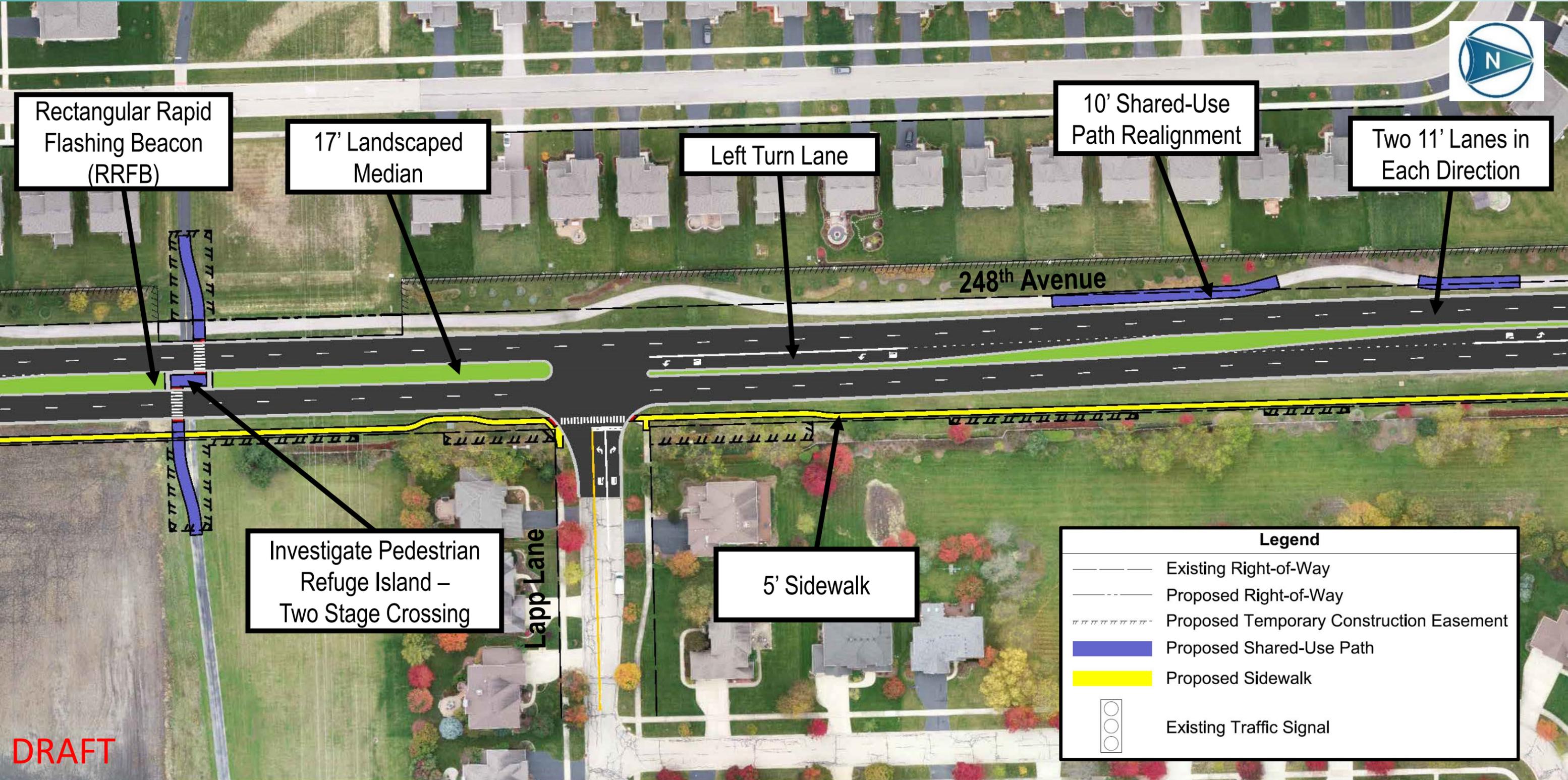
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Alternative 2 – 17-Foot Median With Asymmetrical Widening



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Alternative 2 – 17-Foot Median With Asymmetrical Widening



Rectangular Rapid Flashing Beacon (RRFB)

17' Landscaped Median

Left Turn Lane

10' Shared-Use Path Realignment

Two 11' Lanes in Each Direction

Investigate Pedestrian Refuge Island – Two Stage Crossing

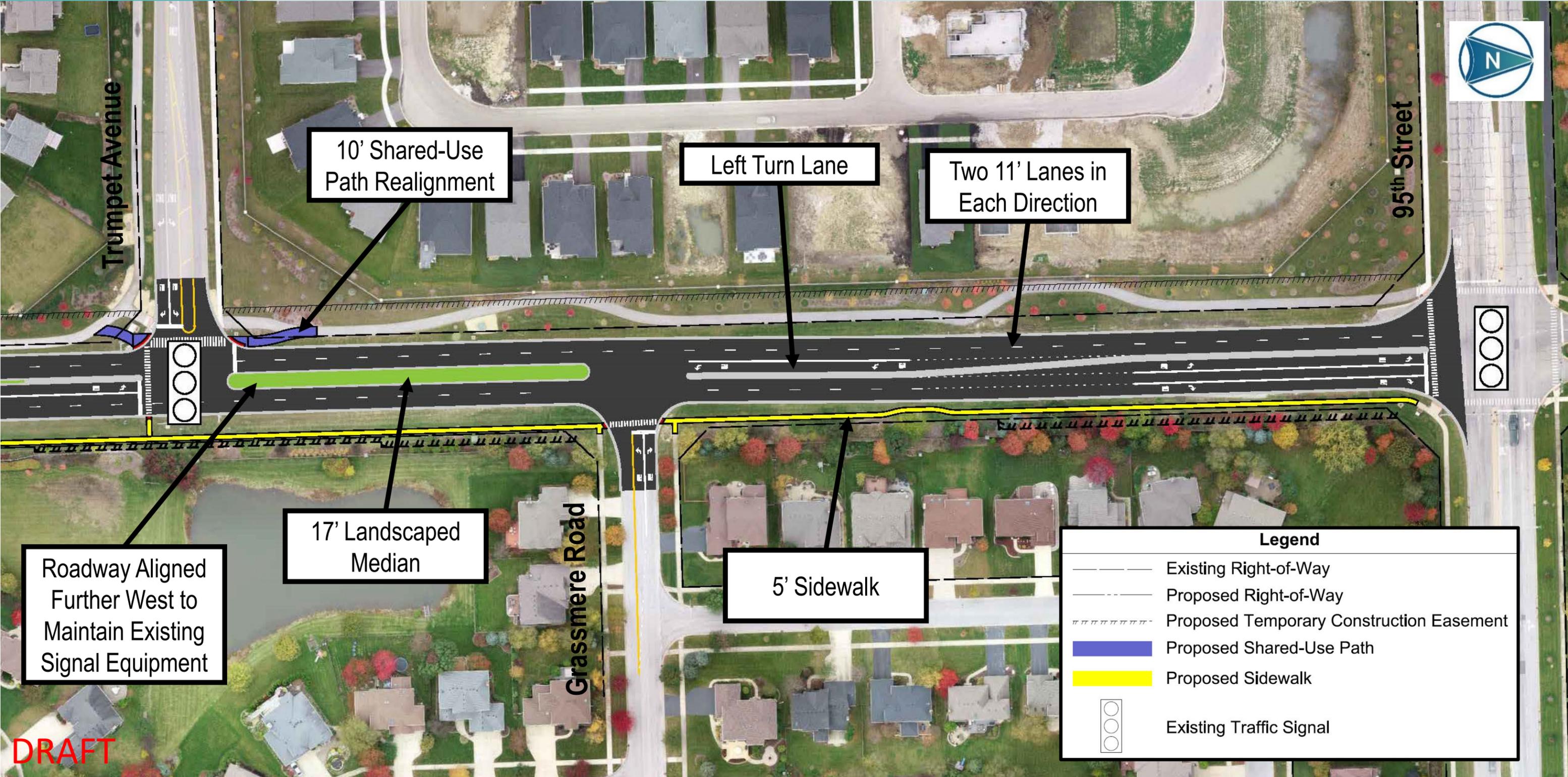
Lapp Lane

5' Sidewalk

Legend	
	Existing Right-of-Way
	Proposed Right-of-Way
	Proposed Temporary Construction Easement
	Proposed Shared-Use Path
	Proposed Sidewalk
	Existing Traffic Signal

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Alternative 2 – 17-Foot Median With Asymmetrical Widening



10' Shared-Use Path Realignment

Left Turn Lane

Two 11' Lanes in Each Direction

17' Landscaped Median

5' Sidewalk

Roadway Aligned Further West to Maintain Existing Signal Equipment

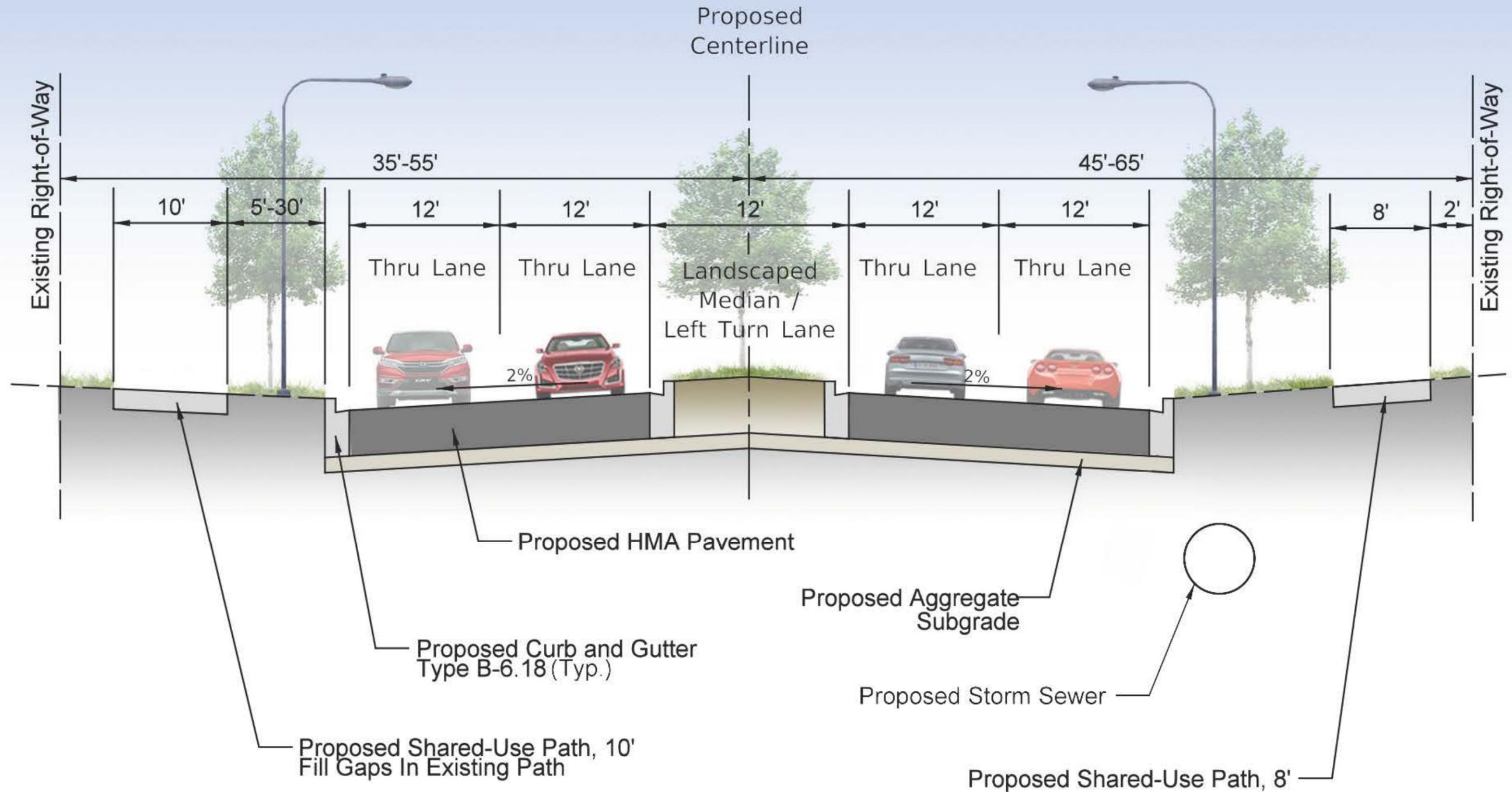
Legend	
	Existing Right-of-Way
	Proposed Right-of-Way
	Proposed Temporary Construction Easement
	Proposed Shared-Use Path
	Proposed Sidewalk
	Existing Traffic Signal

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Alternative 2 Characteristics

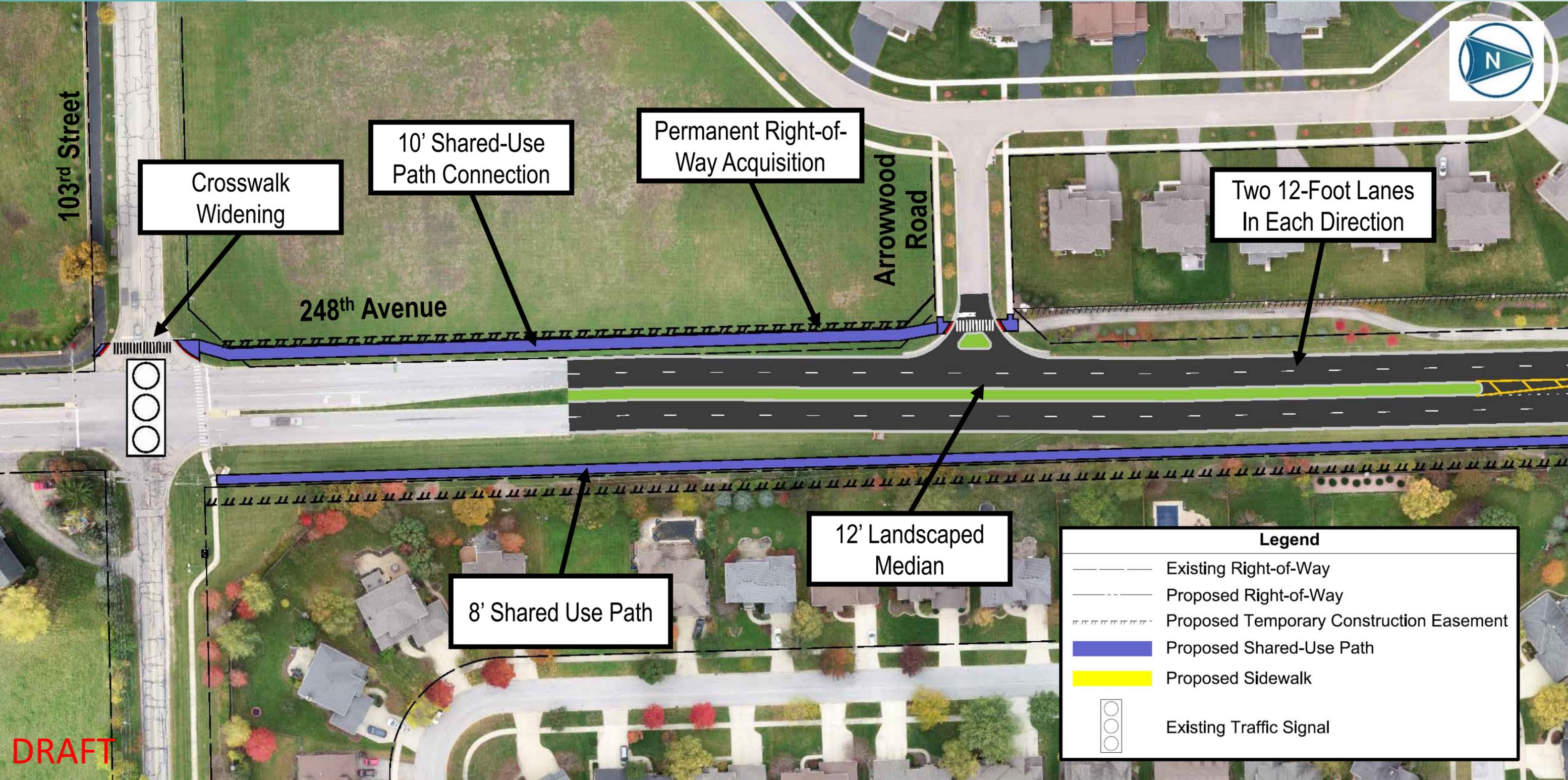
- Two 11-foot travel lanes in each direction
- 17-foot median
- Roadway alignment adjusted near Landsdown Avenue
 - Avoid mature trees
 - Reduce right-of-way acquisition
- Full shared-use path connection from 103rd Street to 95th Street
- Roadway alignment adjusted at Trumpet Avenue to avoid signal equipment
- Side streets striped to provide left and right turn channelization
- Potential offset Tall Grass Greenway Trail Crossing and Rectangular Rapid Flashing Beacon (RRFB)
- 5-foot sidewalk on east side, minimizing landscaping impacts

Alternative 3 – 12-Foot Median With Symmetrical Widening



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Alternative 3 – 12-Foot Median With Symmetrical Widening



Crosswalk Widening

10' Shared-Use Path Connection

Permanent Right-of-Way Acquisition

Two 12-Foot Lanes In Each Direction

248th Avenue

Arrowwood Road

103rd Street

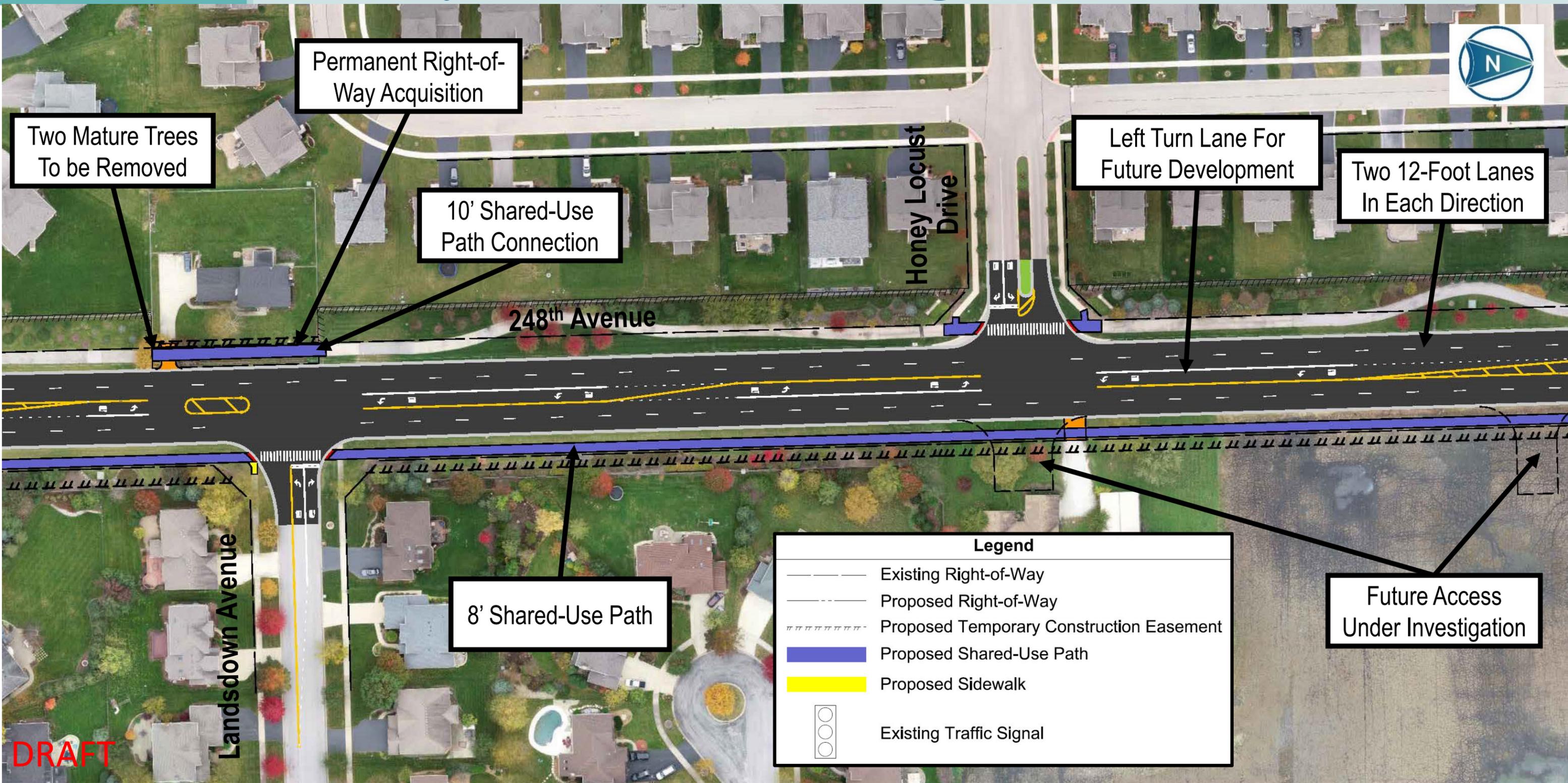
8' Shared Use Path

12' Landscaped Median

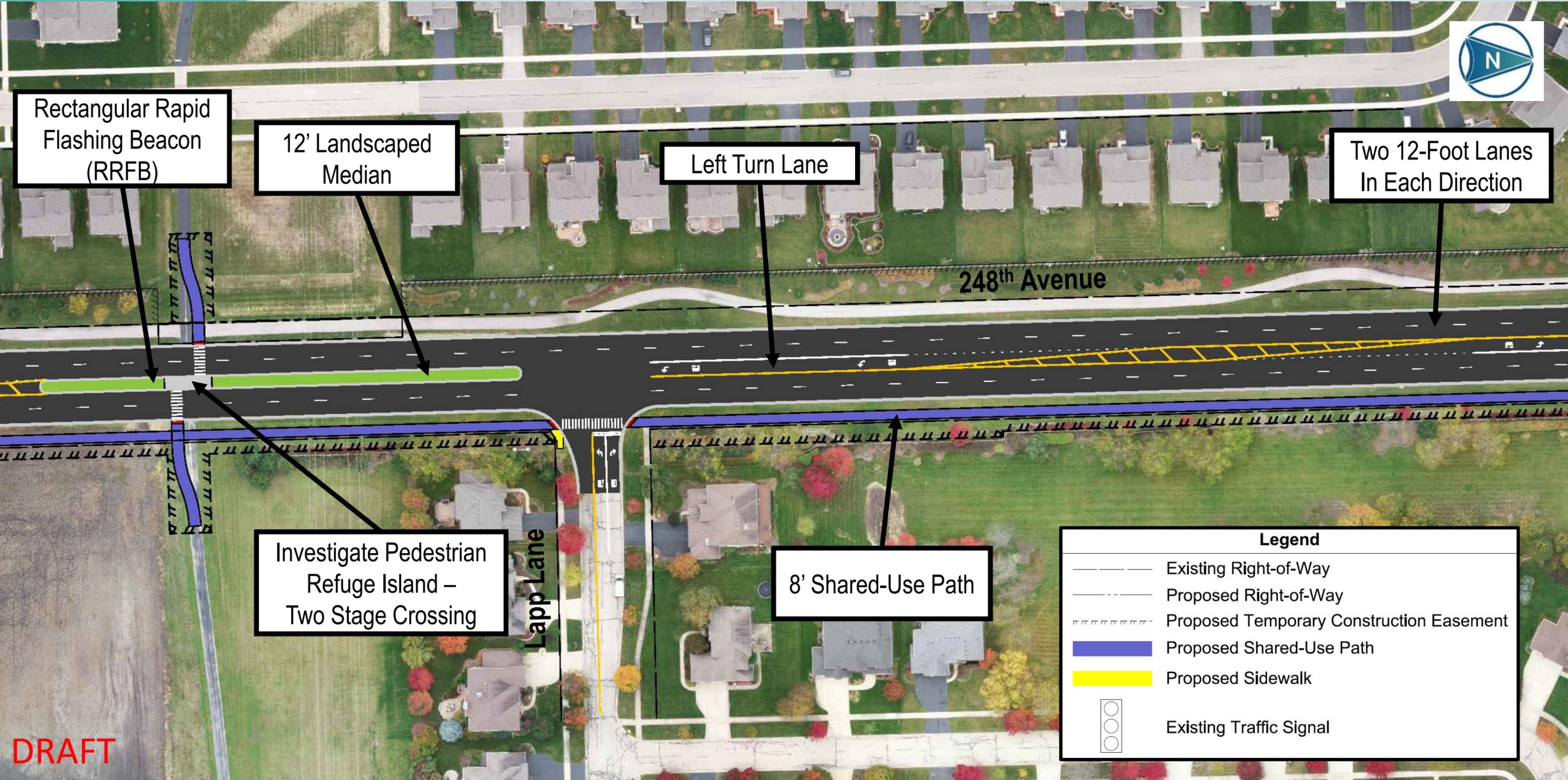
Legend	
	Existing Right-of-Way
	Proposed Right-of-Way
	Proposed Temporary Construction Easement
	Proposed Shared-Use Path
	Proposed Sidewalk
	Existing Traffic Signal

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Alternative 3 – 12-Foot Median With Symmetrical Widening



Alternative 3 – 12-Foot Median With Symmetrical Widening



Rectangular Rapid Flashing Beacon (RRFB)

12' Landscaped Median

Left Turn Lane

Two 12-Foot Lanes In Each Direction

248th Avenue

Investigate Pedestrian Refuge Island – Two Stage Crossing

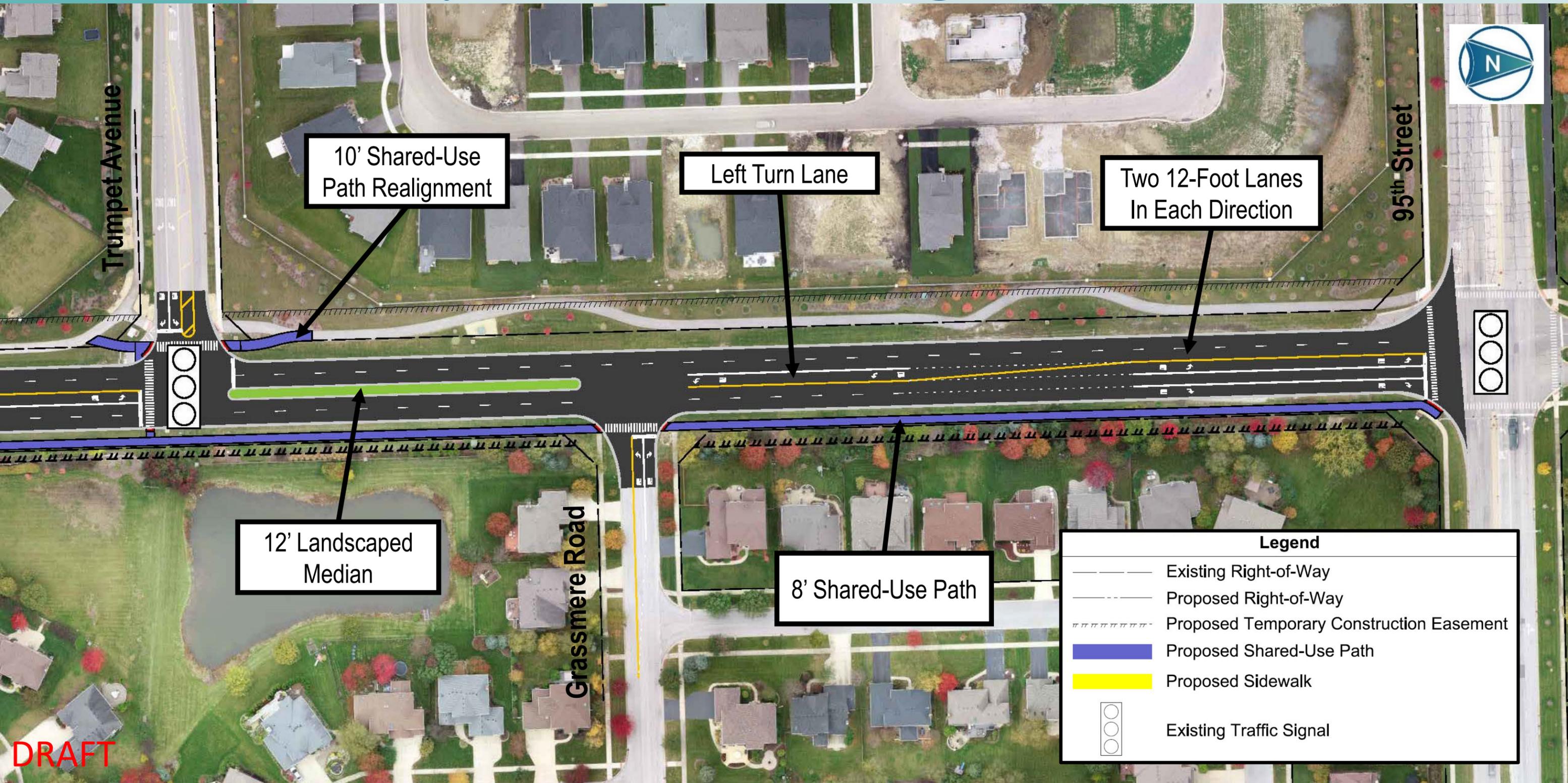
Lapp Lane

8' Shared-Use Path

Legend	
	Existing Right-of-Way
	Proposed Right-of-Way
	Proposed Temporary Construction Easement
	Proposed Shared-Use Path
	Proposed Sidewalk
	Existing Traffic Signal

DRAFT

Alternative 3 – 12-Foot Median With Symmetrical Widening



Legend	
	Existing Right-of-Way
	Proposed Right-of-Way
	Proposed Temporary Construction Easement
	Proposed Shared-Use Path
	Proposed Sidewalk
	Existing Traffic Signal

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Alternative 3 Characteristics

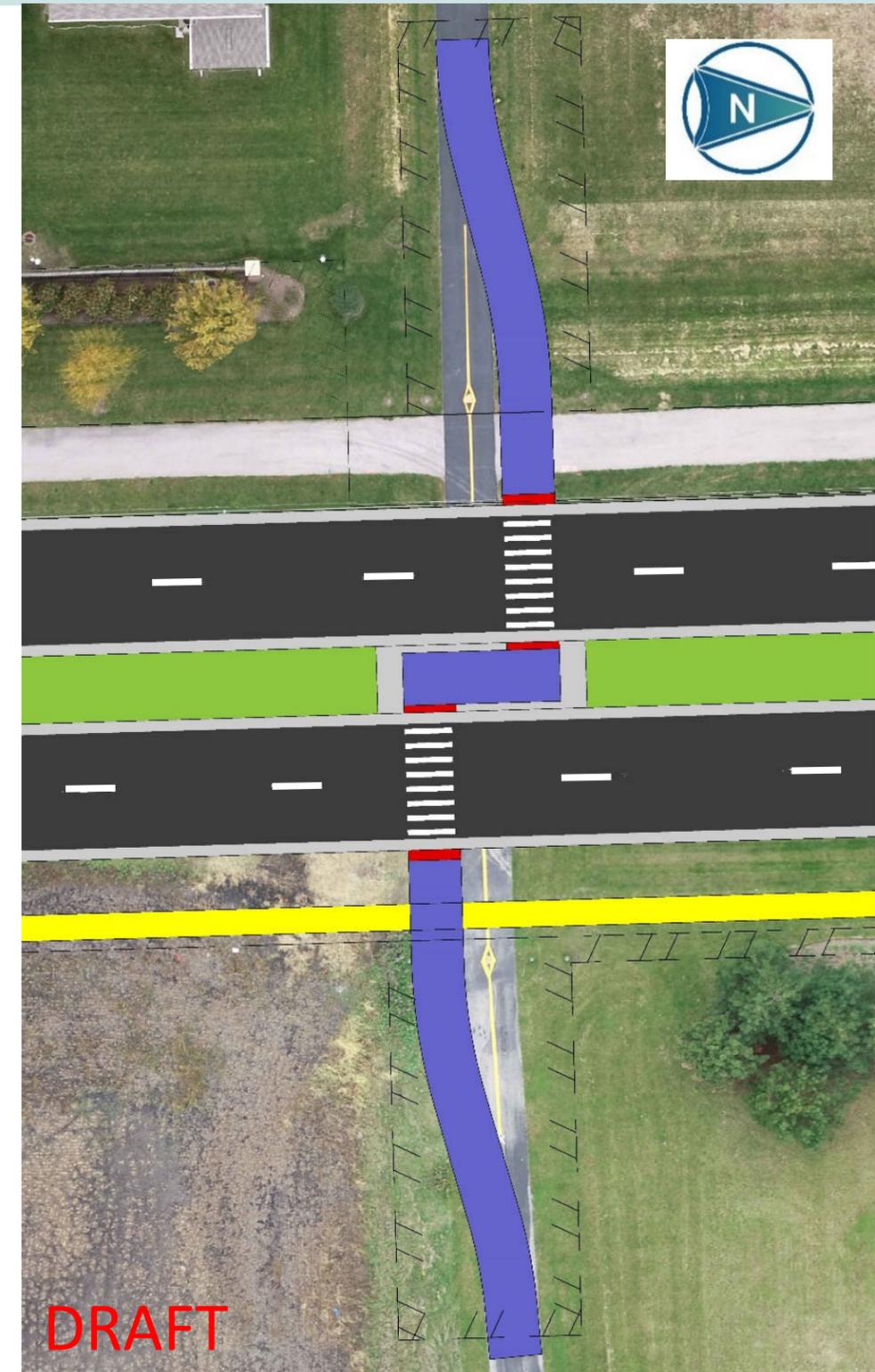
- Two 12-foot travel lanes in each direction
- 12-foot median
- Full shared-use path connection from 103rd Street to 95th Street
 - Two mature trees to be removed
- Side streets striped to provide left and right turn channelization
- Provide offset Tall Grass Greenway Trail Crossing and Rectangular Rapid Flashing Beacon (RRFB)
- 8-foot shared-use path on east side
- Landscaping impacts within right-of-way

Alternative Comparison

Alternative Comparison			
	Alternative 1	Alternative 2	Alternative 3
Lane Width (ft)	11'	11'	12'
Median Width (ft)	17'	17'	12'
Right-of-Way Impacts (Acre)	1.2	1.2	1.9
Impacts to Existing Traffic Signal Equipment	Yes	No	No
Landscaping Impacts Within Right-of-Way	Minimal	Minimal	Yes

Concept Trail Crossing

- Pedestrian refuge island splits crossing into two phases – Only crossing one direction of traffic at a time
- Potential rectangular rapid flashing beacon
- If crosswalks are offset, it will orient pedestrians towards oncoming traffic to increase visibility
- Increases driver yield compliance



Next Steps

- Selection of a Preferred Alternative
- Detailed design of Preferred Alternative
- Coordination with outside agencies
- Prepare Project Development Report and submit to IDOT
- Apply for Federal dollars
- Present Preferred Alternative at Public Information Meeting #3
- Obtain Design Approval – Concludes Phase I

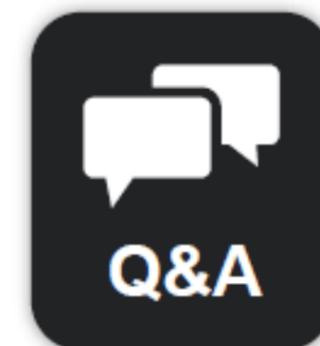
Project Schedule



* Dependent on availability of funding and project readiness.

Question and Answer

- 15 minute break to ask questions
- Questions will be answered once the break is over
- Please submit questions through the Q&A feature
- If your question is not answered during the meeting, it will be answered and posted on the project website:
<https://www.naperville.il.us/projects-in-naperville/248th-avenue/>



Comments

Comment Form

Public Information Meeting #2 | September 10, 2020

Optional (to be added to the project mailing list):

Name: _____

Address: _____

City/State/Zip: _____

Phone: _____

Email: _____

Project information and updates will be posted to the City of Naperville website. Please visit www.naperville.il.us/248th-avenue/

Thank you for your time and the information provided. This completed form may be submitted during the Public Information Meeting or submitted to the City of Naperville by mail or email via the contact information below.

Mr. Ray Fano, P.E.
 Project Engineer
 City of Naperville
 400 S. Eagle Street
 Naperville, IL 60540
 FanoR@naperville.il.us
 630.305.5534



Your comments are valuable to us.



We encourage comments throughout the course of the study. Comments received by **September 27, 2020** will be added to this public meeting record.

Find us online.



<https://www.naperville.il.us/248th-avenue/>

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103RD STREET TO 95TH STREET

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THANK YOU!