



# LAKE DRIVE (WIS 32)

EDGEWOOD AVENUE TO KENSINGTON BOULEVARD

VILLAGE OF SHOREWOOD  
MILWAUKEE COUNTY



VILLAGE BOARD  
MEETING

NOVEMBER 7, 2022

# INTRODUCTIONS

## LAKE DRIVE WISDOT TEAM



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# AGENDA

- Overview/Scope
- Results of 2<sup>nd</sup> public meeting
- Decisions needed tonight
  - Bump outs/curb extensions
  - Crosswalk locations
  - Rectangular Rapid Flashing Beacons (RRFBs)
  - Agreement on Schedule
- Feasible alternatives



# OVERVIEW/SCOPE

## LAKE DRIVE (WIS 32)

**LIMITS:** EDGEWOOD AVENUE TO KENSINGTON BOULEVARD

**LENGTH:** 1.3 MILES

## PLANNED IMPROVEMENTS

- PAVEMENT REPLACEMENT
- CURB & GUTTER REPLACEMENT
- CURB RAMP IMPROVEMENTS
- ADD BICYCLE LANES
- REPLACE TRAFFIC SIGNAL AT CAPITOL DRIVE
- UPGRADE STREET LIGHTING
- VILLAGE FUNDED UTILITY IMPROVEMENTS



# 2<sup>ND</sup> PUBLIC MEETING

HELD JUNE 21, 2022

## PREVIOUS STAKEHOLDER RESPONSES

- MAJORITY SUPPORT TREE PRESERVATION IN TERRACE
- MAJORITY OPPOSED TO PAVEMENT WIDENING

## CONCLUSIONS

- ELIMINATE PAVEMENT WIDENING OPTIONS
- PRESERVE & PROTECT EXISTING TREES
- ELIMINATE REPLACE-IN-KIND ALTERNATIVE



# 2<sup>ND</sup> PUBLIC MEETING

## RESPONSES RECEIVED

- 33 comments
- Parking removal
  - Five in favor
  - Two opposed
- Bicycle lanes
  - 29 in favor
  - One opposed
  - 19 asked for a protected lane
- Pedestrian safety enhancements
  - 21 in favor
  - Zero opposed
- Rectangular Rapid Flashing Beacons (RRFBs)
  - 17 in favor
  - One opposed



# DECISIONS NEEDED

## BUMP-OUTS/CURB EXTENSIONS

- Occupy the parking lane
- Funded by WisDOT
- Potential locations
  - Edgewood Avenue
  - Menlo Boulevard
  - Jarvis Street
  - Olive Street
  - Kensington Boulevard

## DECISIONS NEEDED TONIGHT

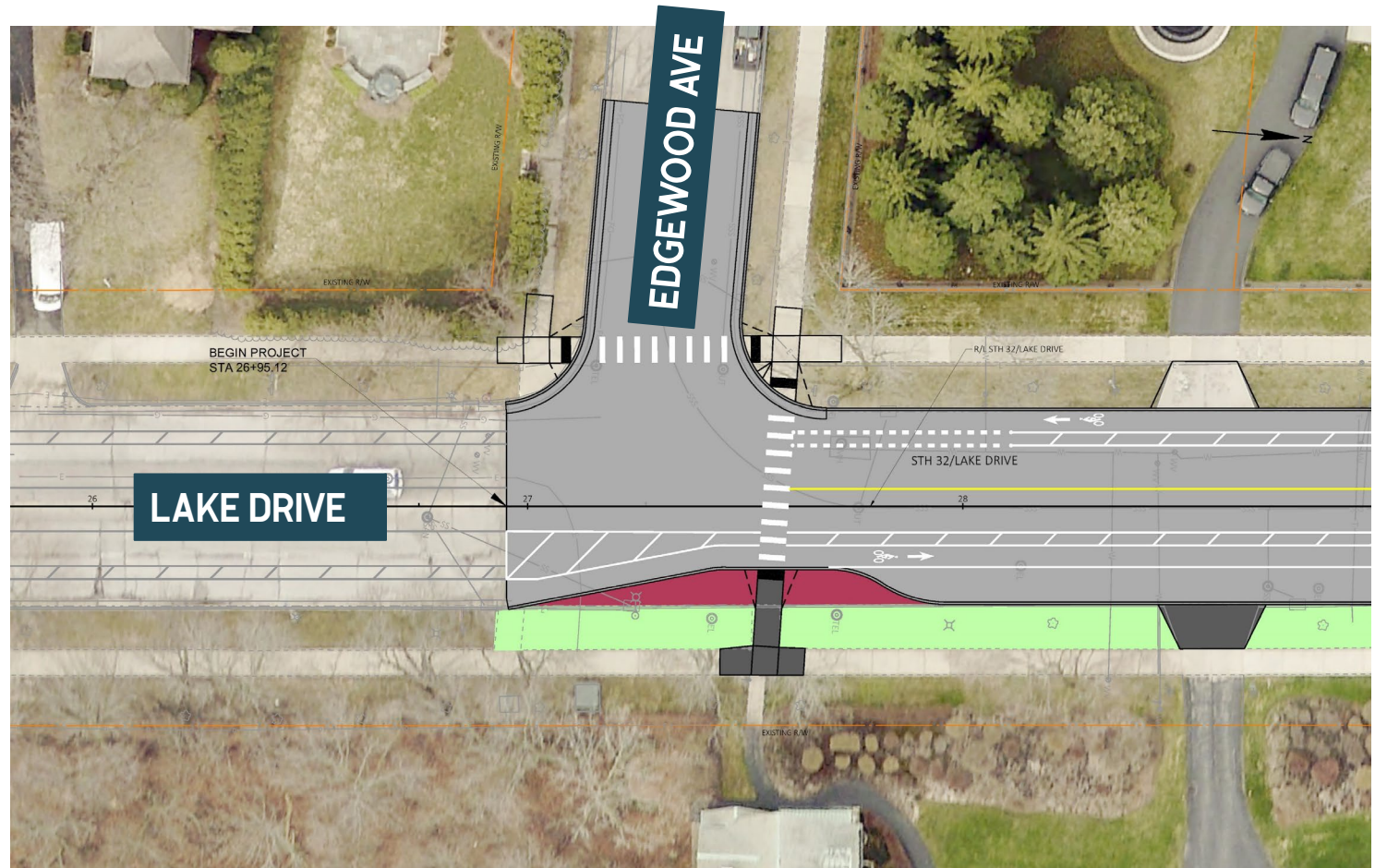
- PROCEED W/ CURB EXTENSIONS AND CURB EXTENSION LOCATIONS



# BUMP-OUTS/CURB EXTENSIONS

## EDGEWOOD AVENUE

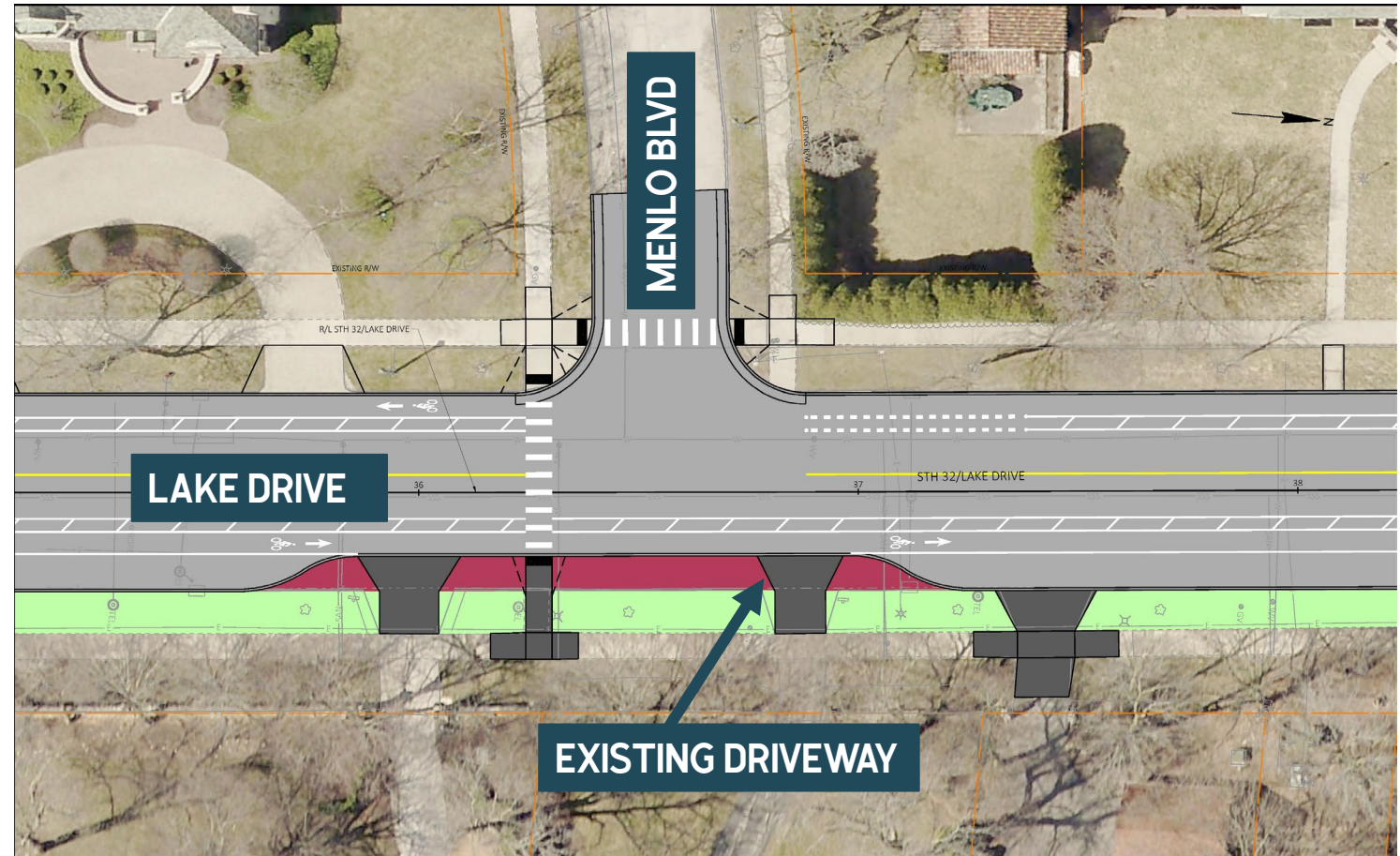
- *Shorewood typical section is not required to match Milwaukee*
- Flexibility to transition between Milwaukee & Village typical sections



# BUMP-OUTS/CURB EXTENSIONS

## MENLO BOULEVARD

- Leads to Nature Preserve
- ~Halfway between Edgewood Avenue & Capitol Drive
- Recommended in Village of Shorewood Transportation & Parking Analysis – January 2020
- Northern crossing not proposed due to driveway

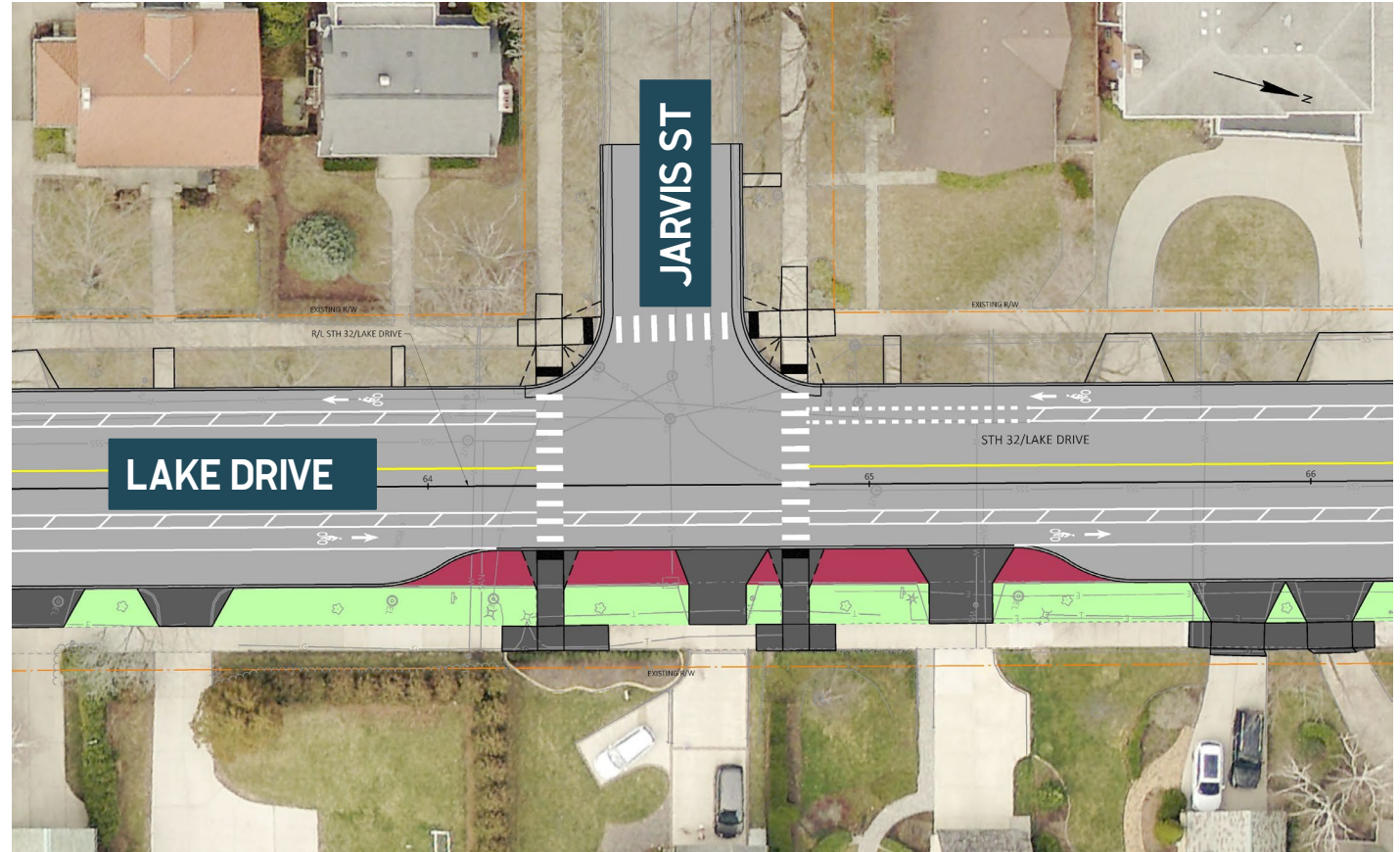


# BUMP-OUTS/CURB EXTENSIONS

## JARVIS STREET

### – PARKING AT CURB

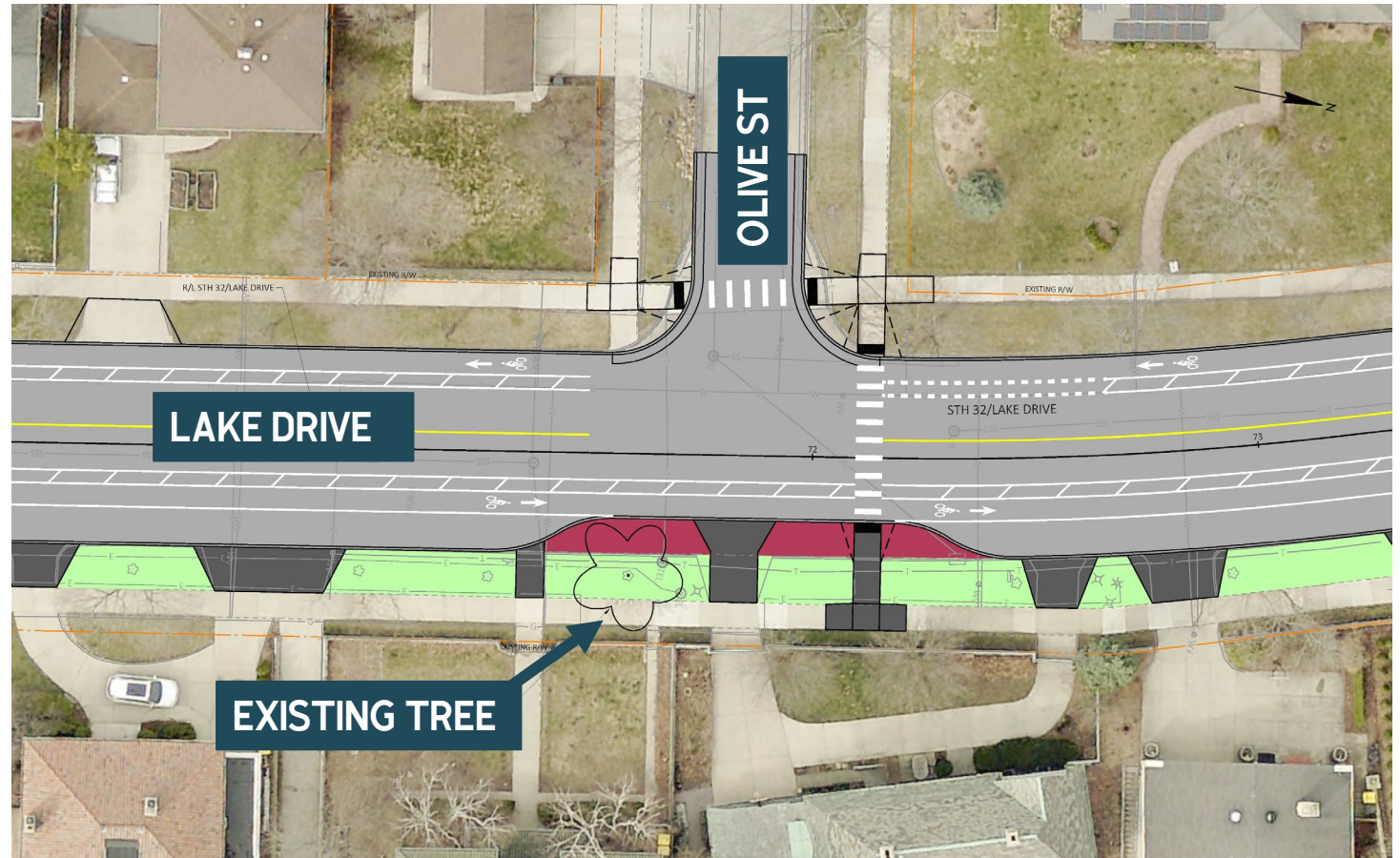
- Located at Atwater Park
- Recommended in Village of Shorewood Transportation & Parking Analysis – January 2020



# BUMP-OUTS/CURB EXTENSIONS

## OLIVE STREET

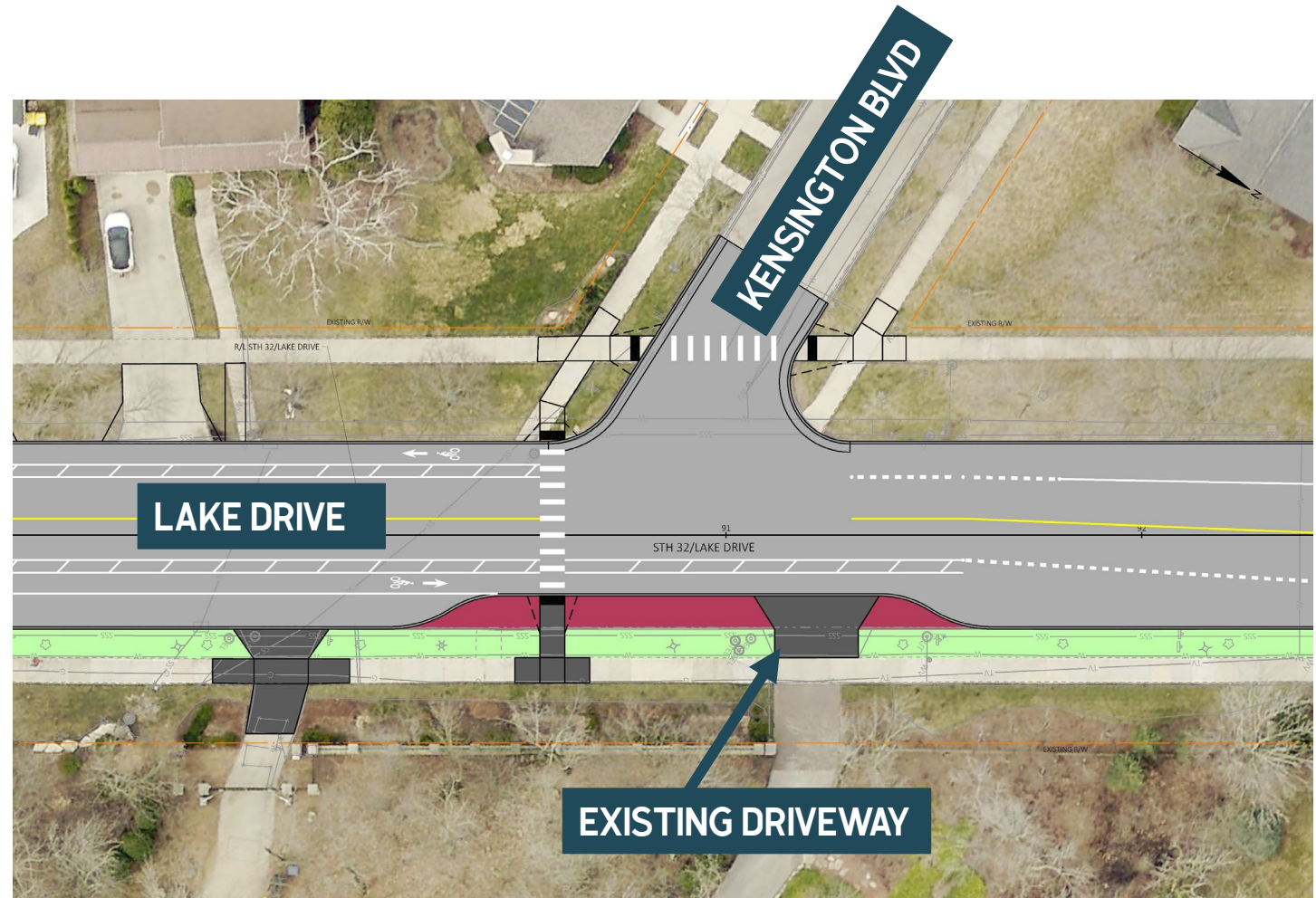
- Near Atwater Park
- Southern crossing not proposed due to tree



# BUMP-OUTS/CURB EXTENSIONS

## KENSINGTON BOULEVARD

- Transition between Village & Whitefish Bay typical sections
- Northern crossing not proposed due to driveway



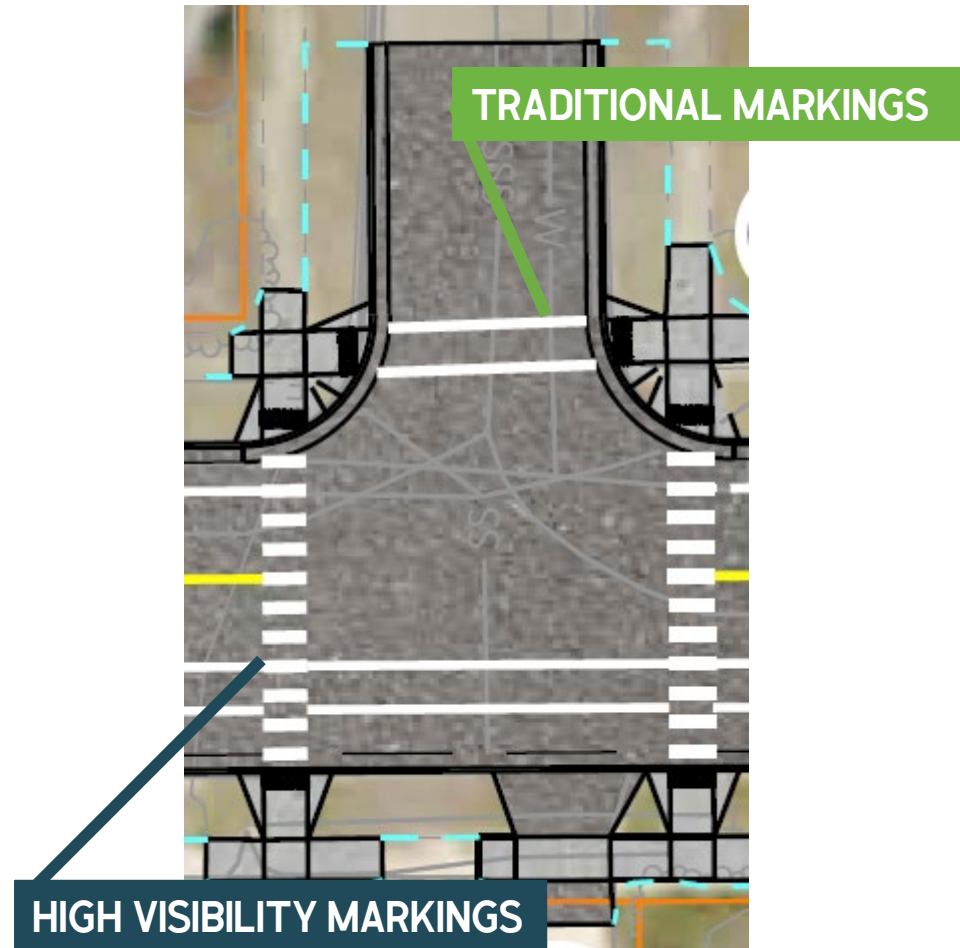
# DECISIONS NEEDED

## CROSSWALK LOCATIONS

- WisDOT funds markings at signalized intersections (Capitol Drive)
- Other locations funded 100% by Village
- Anticipated installation costs
  - High Visibility Markings = \$2,000 / crossing
  - Traditional Markings = \$1,000 / crossing
  - Must be remarked every 3 – 5 years

## DECISIONS NEEDED TONIGHT

- MARKING LOCATIONS AND TYPE



# DECISIONS NEEDED

## RECTANGULAR RAPID FLASHING BEACONS (RRFBS)

- Funded 100% by Village
- Need to be at marked crossings
- Village of Shorewood Transportation & Parking Analysis – January 2020 recommended Menlo Blvd & Jarvis St
- Anticipated installation cost  
= \$15,000 - \$20,000 / crossing

## DECISIONS NEEDED TONIGHT

- INCLUDE IN PROJECT
- IF INCLUDED, PROPOSED LOCATIONS



# DECISIONS NEEDED

## SCHEDULE

- **11/30/2022** = Approved scope
- **Jan/Feb 2023** = PIM#3 (Preferred alternative)
- **3/1/2023** = Environmental document
- **5/25/2023** = Final R/W plat
- **6/1/2023** = Begin real estate acquisition
- **4/1/2024** = Complete real estate acquisition
- **Aug/Sept 2024** = PIM#4 (Construction staging/access)
- **11/1/2024** = Final plans
- **2025** = Construction

## DECISIONS NEEDED TONIGHT

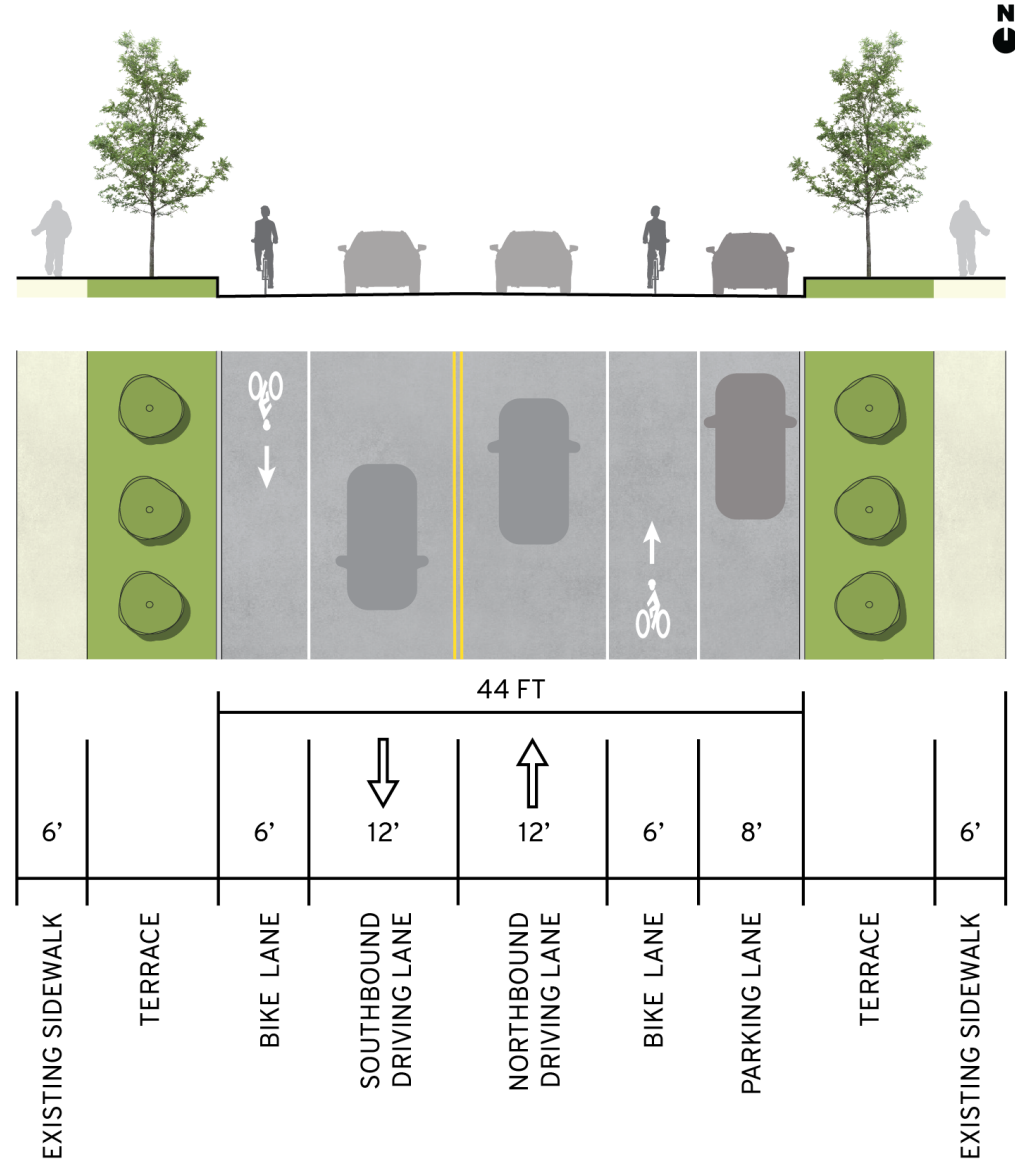
- **CONSENSUS ON 2025 CONSTRUCTION**



# FEASIBLE ALTERNATIVES

## 6-FOOT BIKE LANE – PARKING AT CURB

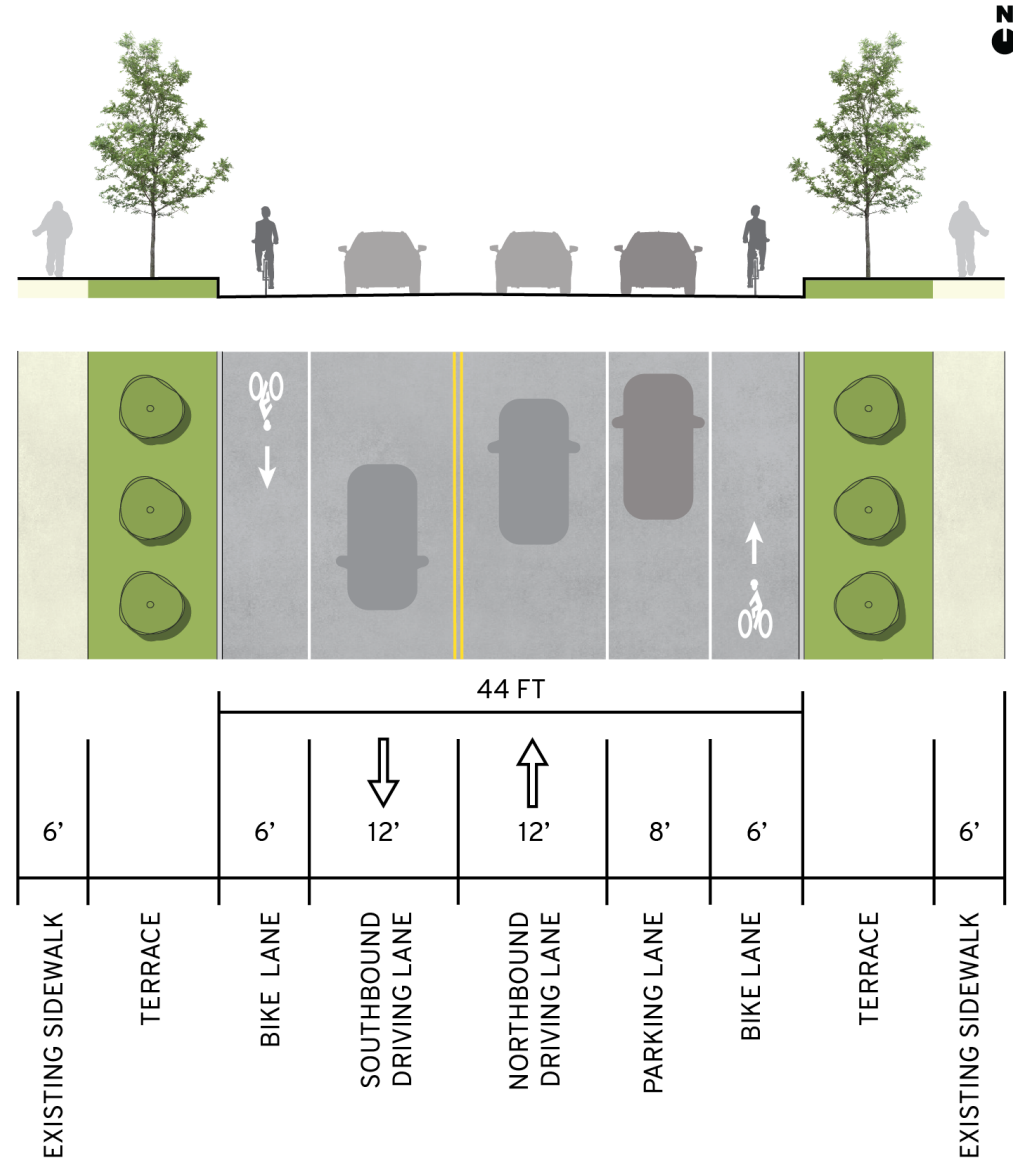
- Presented at June 2022 PIM



# FEASIBLE ALTERNATIVES

## 6-FOOT BIKE LANE – BIKE LANE AT CURB

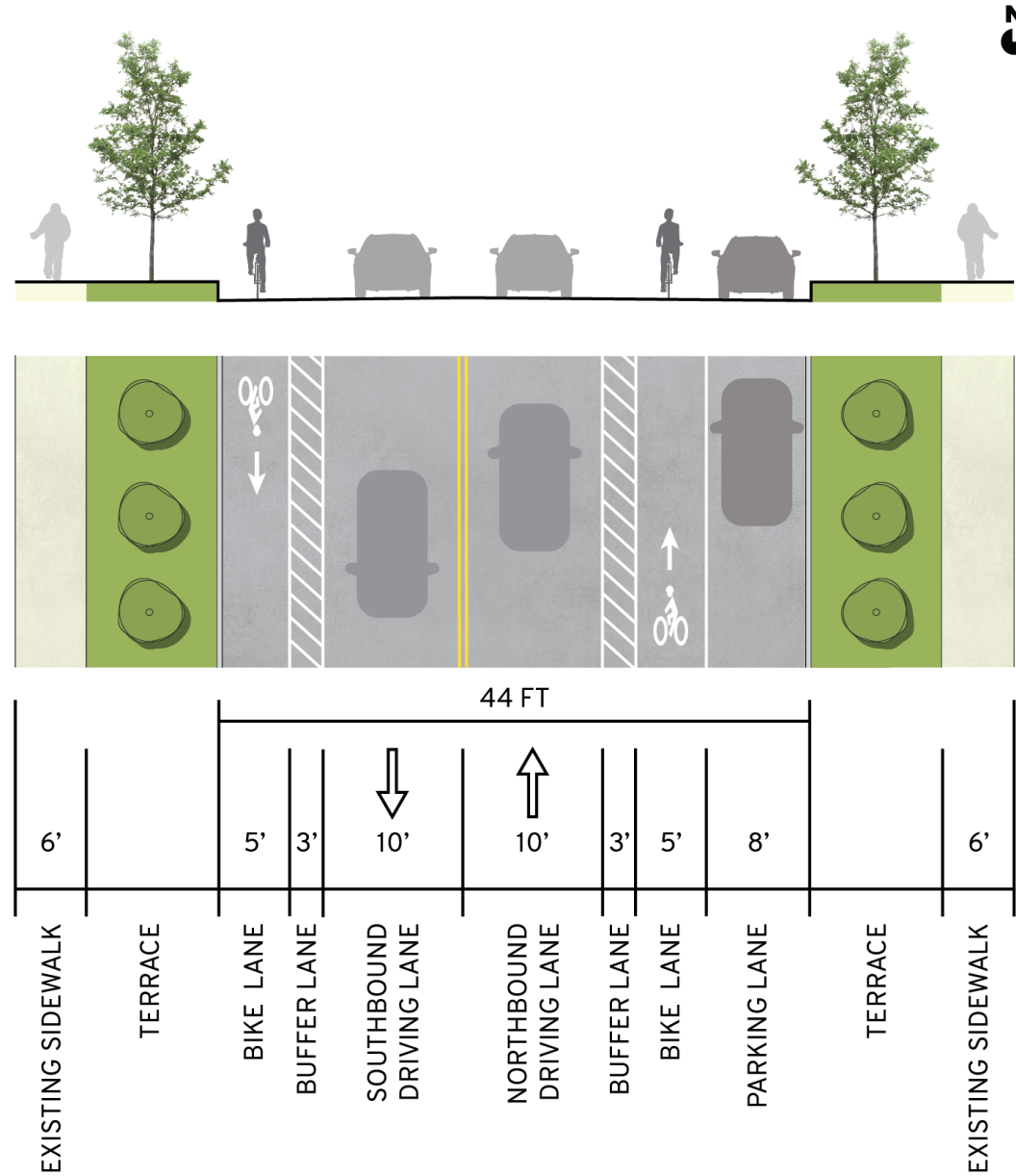
- New alternative



# FEASIBLE ALTERNATIVES

## BUFFERED 5-FOOT BIKE LANE – PARKING AT CURB

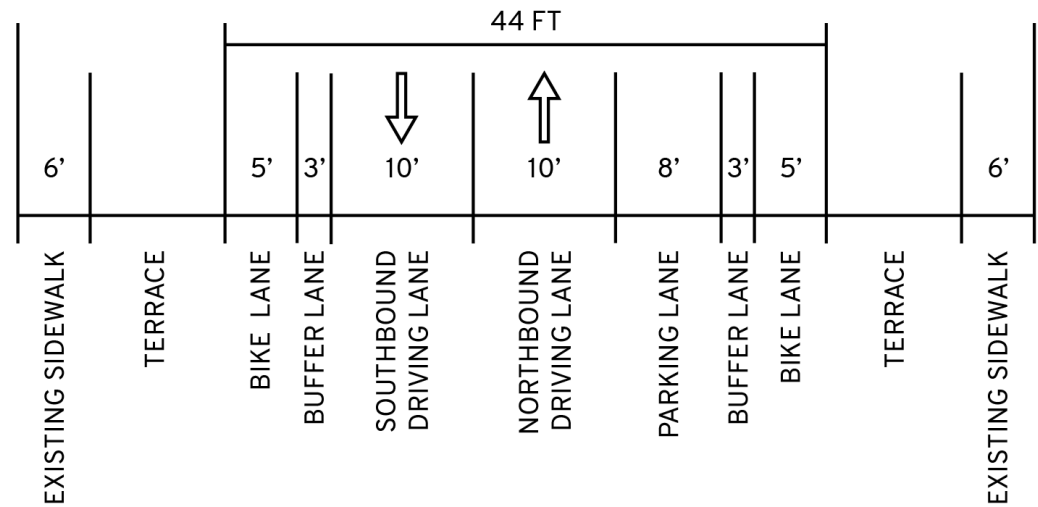
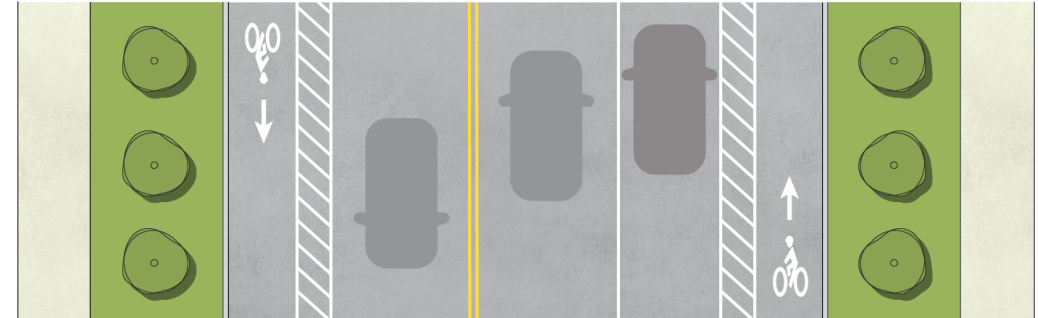
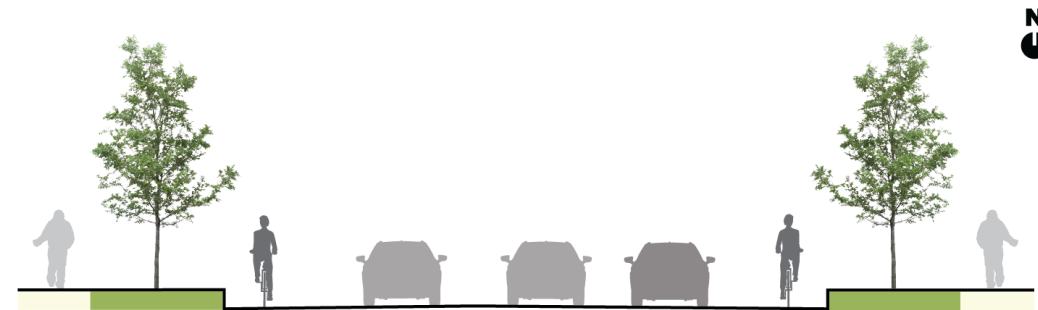
- New Alternative
- Similar to a City of Milwaukee alternative



# FEASIBLE ALTERNATIVES

## BUFFERED 5-FOOT BIKE LANE – BIKE LANE AT CURB

- New alternative
- Similar to a City of Milwaukee alternative





# LAKE DRIVE (WIS 32)

EDGEWOOD AVENUE TO KENSINGTON BOULEVARD

## SUMMARY

### DECISIONS NEEDED TONIGHT

- CURB EXTENSIONS/LOCATIONS: YES OR NO
- CROSSWALK LOCATIONS: YES OR NO
- RECTANGULAR RAPID FLASHING BEACONS/LOCATIONS: YES OR NO
- SCHEDULE/2025 CONSTRUCTION: YES OR NO
- FEASIBLE ALTERNATIVES: PREFERENCE FOR BIKE LANE LOCATION