



# Lake Mendota Dr. Reconstruction

Public Information Meeting  
City of Madison Engineering Division  
2-24-2022

*Thank you for attending. We will begin shortly...*



# Meeting Technical Housekeeping

- This meeting will be recorded and posted to the project page.
- All attendees should be muted to keep background noise to a minimum.
- Use the “chat” button for technical issues with meeting to troubleshoot with staff to assist.
- Use the “Q and A” button to type questions about presentation. Questions will be answered live after the presentation.
- Inappropriate questions may be dismissed.
- Use the **“raise your hand”** button to verbally ask your question. You will be prompted to unmute when it is your turn.

**This meeting is being recorded.**

**It is a public record subject to disclosure.**

By continuing to be in the meeting, you are consenting to being recorded and consenting to this record being released to public record requestors.

# How to Participate

The screenshot displays a Zoom webinar interface. At the top, a green banner reads "You are viewing City of Madison's screen" with a "View Options" dropdown. Below this is a Microsoft Excel spreadsheet titled "City of Madison" showing a calendar for 2028 and 2029. The bottom of the screen features a dark toolbar with icons for "Join Audio", "Q&A", "Chat", and "Raise Hand". A red arrow points to the "Join Audio" icon. A blue button labeled "Join Audio by Computer" is centered on the screen, with another red arrow pointing to it. A "Phone Call" option is also visible in the center. The top left corner shows a "Recording" status.

Make sure to join audio

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Raise your hand to be unmuted  
For comments or ask additional questions.



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Use chat if you have technical issues  
or a question for the panelists



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# How to Participate

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Use Q/A if you have questions.  
We will answer after the presentation

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To leave the meeting  
click here

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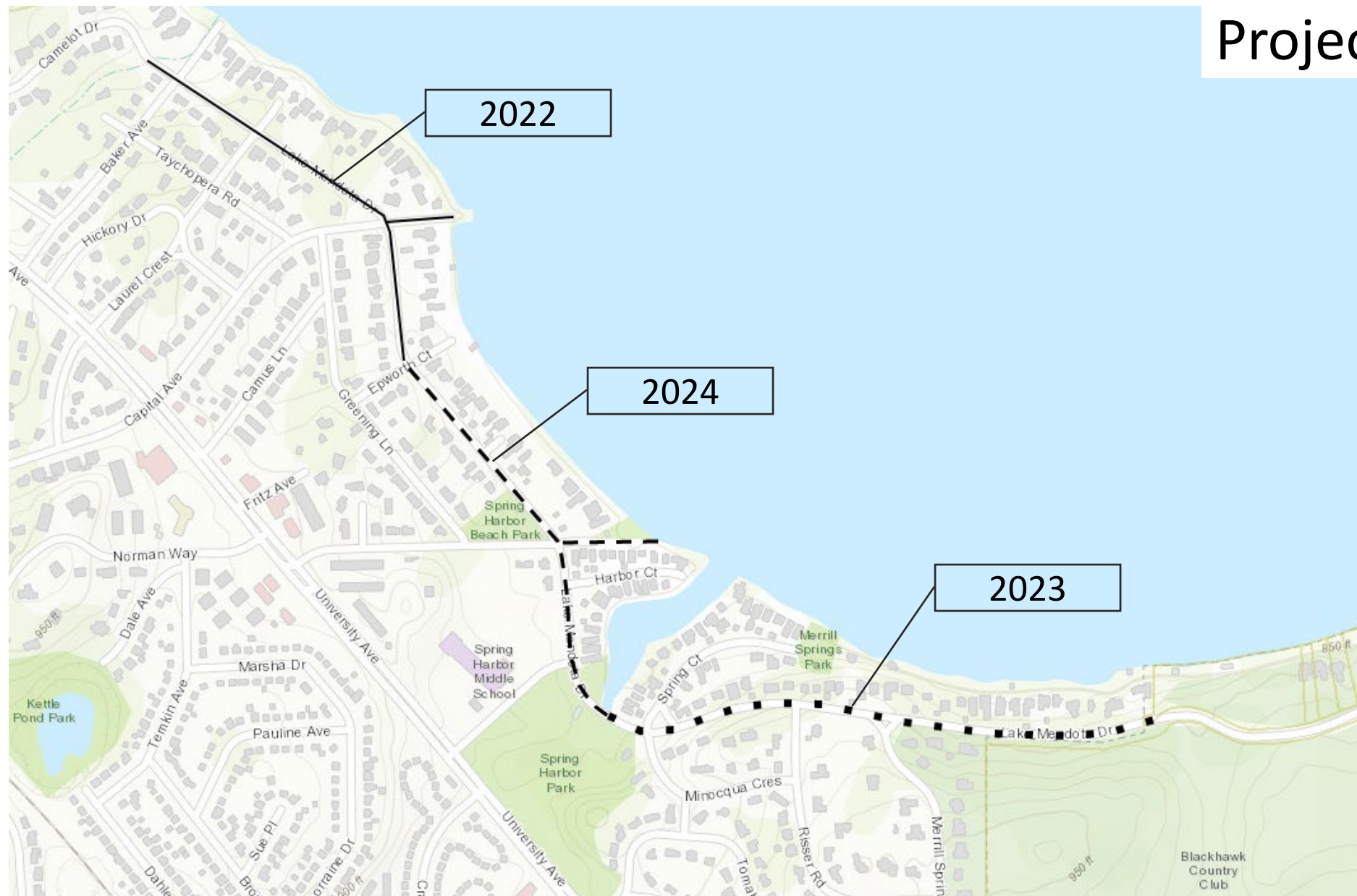




# Presentation Outline

- Review of Project Limits & Existing Info
- Input Received from Neighborhood
- Aspects of Preliminary Design
- Review Preliminary Street Design
- Project Schedule
- Discussion and Q&A

# Project Location



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# Existing Conditions

- Failing pavement
- Rutting & Erosion
- Disconnected sidewalks



# Previous Presentation Summary

- City of Madison Plans & Policies support sidewalks
  - Madison in Motion, Ped & Bicycle Plans, Vision Zero
  - Tier 1 street for sidewalks in 2018 Imagine Madison Comprehensive Plan
  - School & Parks along Lake Mendota Dr.
  - Improve safety & accessibility for all
  - Everyone should feel safe & comfortable on public streets
- Curb & gutter proposed with project
  - Village standard curb
- Tree protection a priority
- Projects will include storm sewer work & some sanitary sewer
- Water main lining in advance of projects

# Proposed Design – Curb & Gutter

- Performs several important functions
  - Conveys stormwater
  - Protects new pavement
  - Prevents rutting & erosion
  - Guide vehicles & equipment
- Village standard curb balances function with aesthetic
  - 74% of previous meeting attendees preferred over City standard





# Additional Project Goals Based on Input

- Prioritize tree protection
- Water quality & environment
  - Including limiting impervious surfaces
- Concerns about limits of right-of-way disturbance/impacts
- Protection of areas historical & cultural significance
- Traffic Calming

# Preliminary Plan Summary

- Narrow street
  - Typical width is 26', with parking allowed on one side
- Better network of sidewalks
  - North/east side only between Baker & Capital
  - Both sides Capital to Spring Ct./Minocqua Crescent
  - South side only between Spring Ct. & Risser
  - North side only from Risser to City/Village limits
- Vary street/sidewalk to protect trees, account for grades
- A number of traffic calming features
- Opportunities for additional stormwater features
- Balances priorities of safety, accessibility, tree protection, and environment
  - Consistent with 2006 Spring Harbor Neighborhood plan for pedestrian safety improvements and narrow, tree lined street



# Prioritize Tree Protection

- Walked project with City Forestry
- Recommendations on spacing of curb and/or sidewalk to each tree
- Forestry will monitor construction
- Include additional specifications, where necessary
  - Protective fencing
  - Hand-form, instead of machine placed concrete in some locations
  - Possible root inspections
- Additional review before each project
- Forestry will prune trees in advance





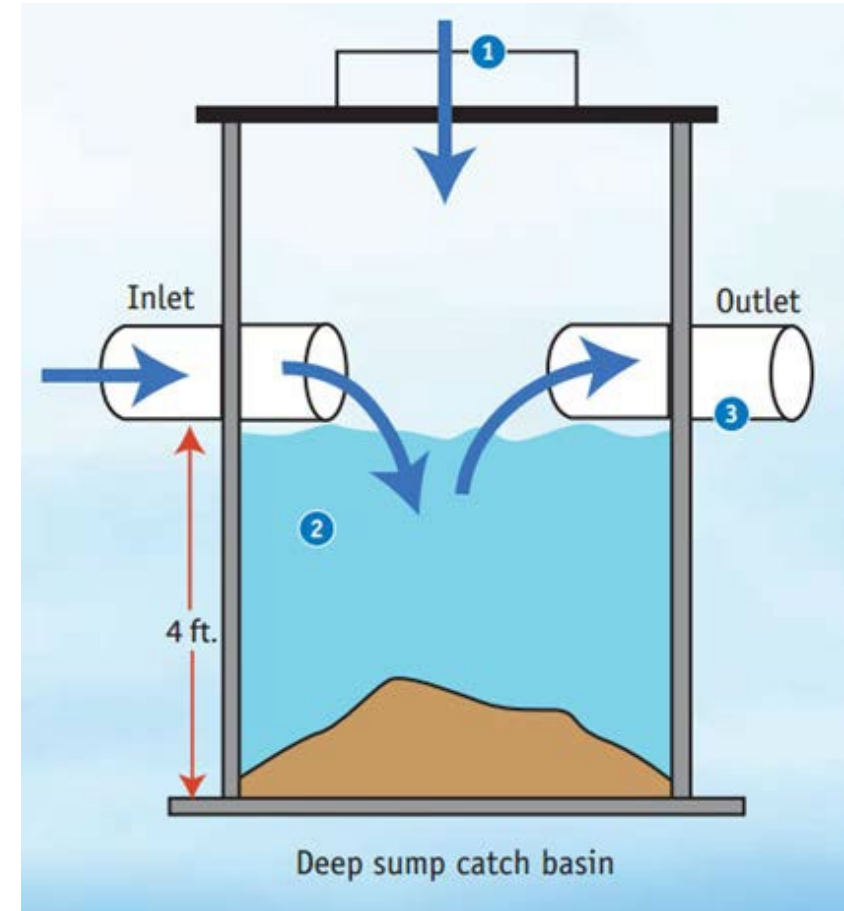
# Water Quality & Environment

- Impervious surfaces
  - Existing: 25,900 Square Yards
  - Preliminary Plan: 25,550 Square Yards
- Opportunities for additional treatment features
  - Wide terrace space near school
  - Remove excess pavement at Spring Ct
  - Remove excess pavement at Merrill Springs
  - Would need volunteers to help with maintenance
- Bend sidewalk to create terrace rain gardens where requested & feasible
- Maintain tree canopy



# Water Quality & Environment

- Install Catchbasins
  - Underground storm sewer structures
  - 6'x6' box with 3 feet of water at bottom
  - 1 per every 4 acres on average
  - Clean twice a year with a Vactor Truck as part routine structure cleaning
- Particularly effective at trapping larger particles (sand)





# Water Quality & Environment

- If sidewalks approved, can install pervious sidewalk panels in select locations
  - Allows water to infiltrate through
  - Installed over 18"-24" stone base
  - Best in flatter areas at lower ends of slopes
  - Through driveways that drain to street
- Final locations & types of stormwater features to be determined with final plans for each project.
  - Identify opportunities with preliminary plan





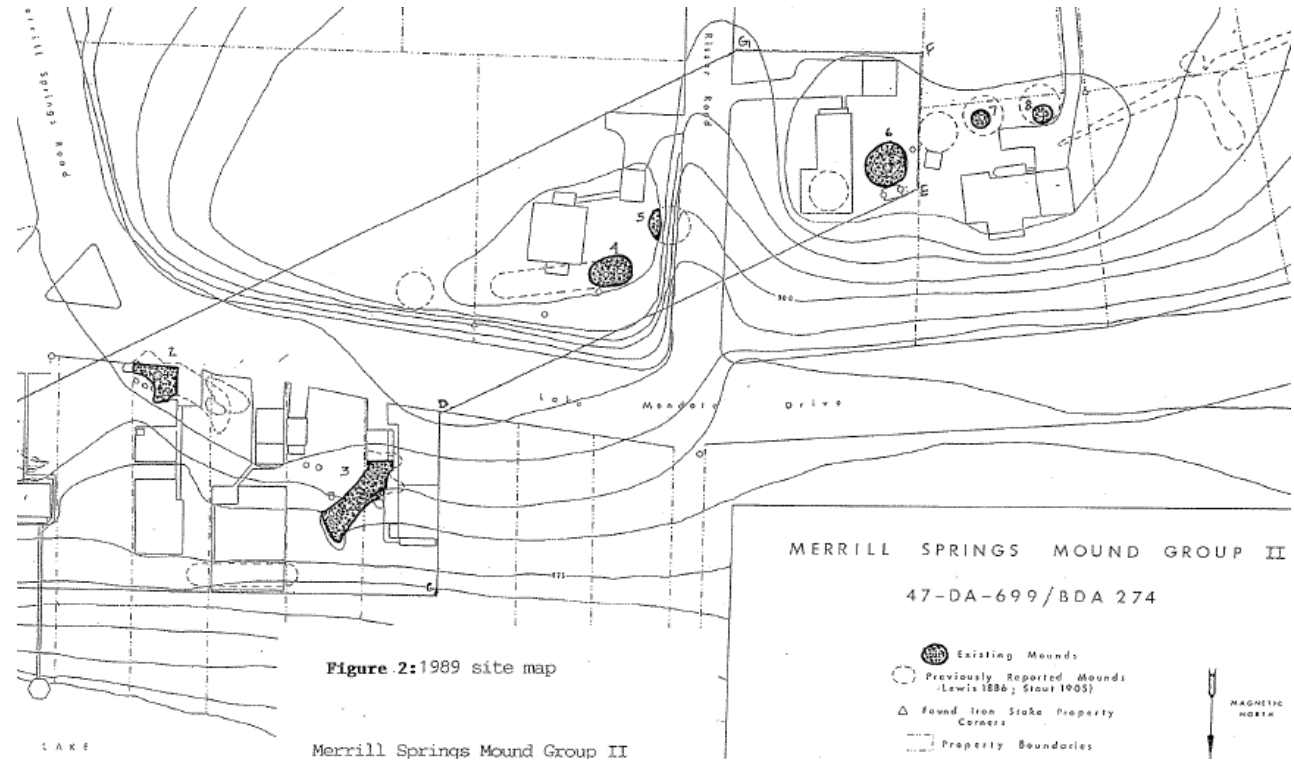
# Right-of-Way Disturbance

- Terrace (space between curb & sidewalk)
  - Snow storage
  - Street-side elements such as mailboxes, signs, poles
  - Other City services such as placing garbage & recycling carts, pile leaves & brush
  - Will primarily be grass, or could be landscaped by adjacent owner
- Preliminary plan includes narrow terrace
  - Generally recommended minimum width
  - Varies for trees, rain gardens, slopes, etc.
- Limits disturbance to closer to street
- Preserves other features near street



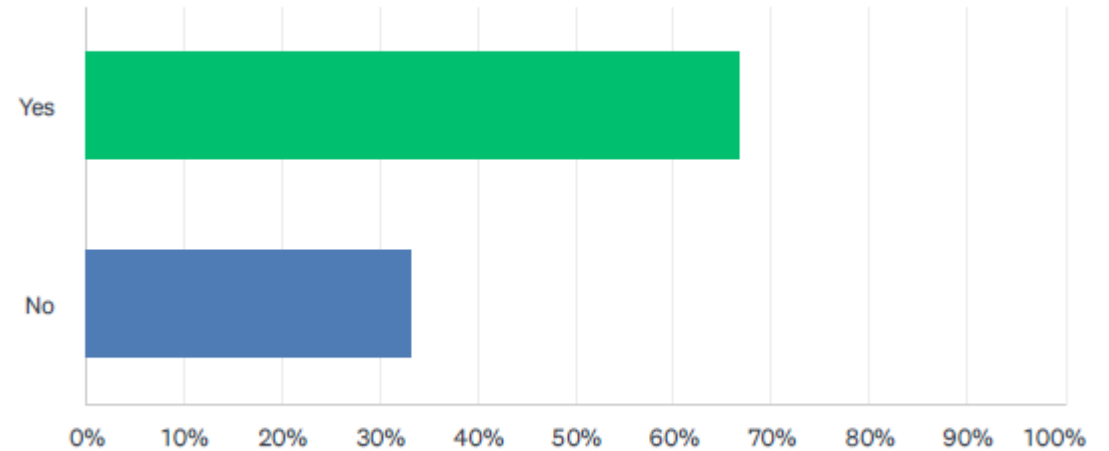
# Protection of Burial Mounds

- A number of mounds & areas of archaeological significance
- City contracts with an archaeologist to help research known areas, provide design recommendations, and obtain required permits
- If required, Archaeologist will also be on site to monitor construction in these areas



# Traffic Calming

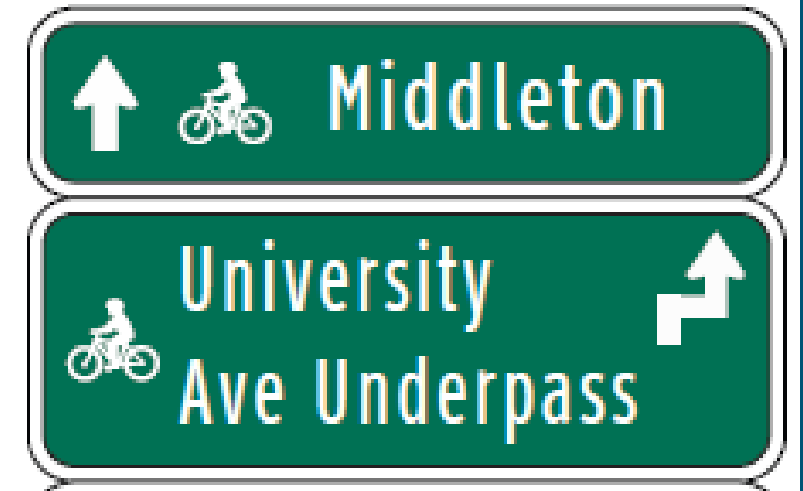
- Majority would like project to include traffic calming
  - Speed humps preferred method
- Variety of elements included in preliminary design
  - Narrow Street
  - Bumpouts
  - Chicane
  - Raised Pedestrian Crossing
  - Speed Humps
  - Traffic Circle
- Reduce speed limit to 20 mph





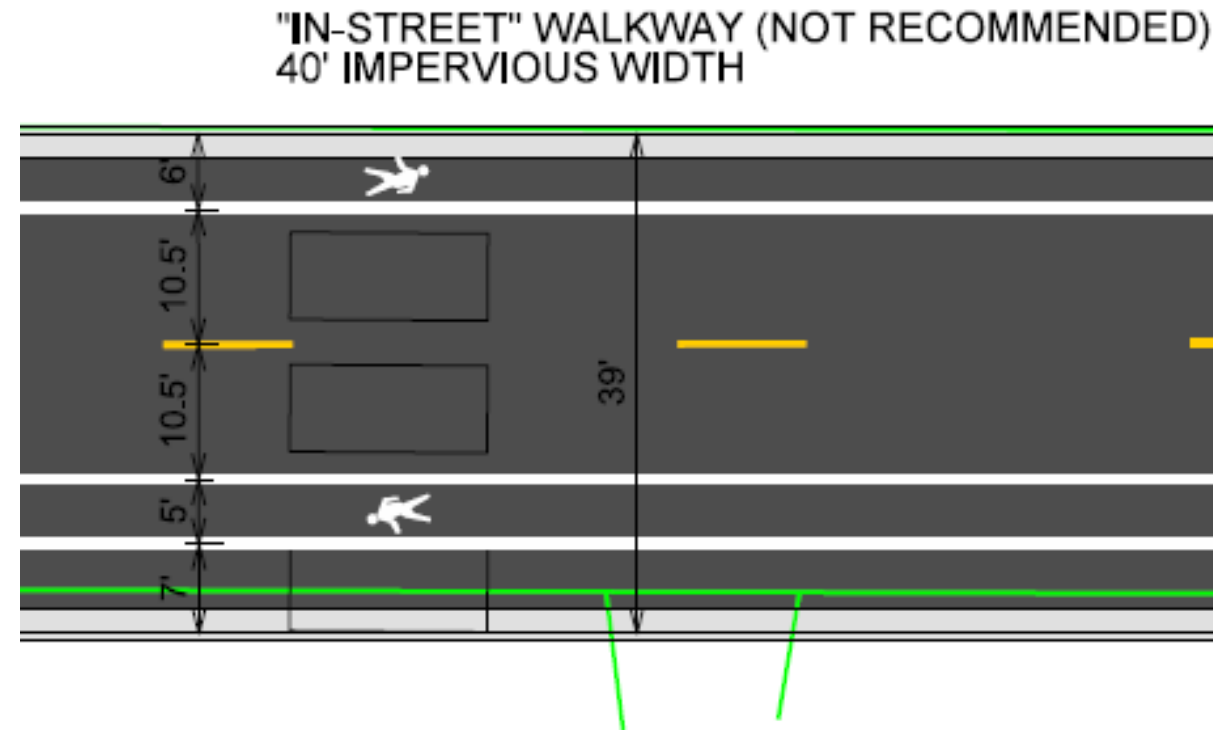
# Biking on Lake Mendota Dr.

- Traffic calming measures and slower speeds will help make more comfortable
- Already designated as a low stress route
  - Level of Traffic Stress = 1
- Could include additional way finding type signage for bicyclists



# Alternative Option to Sidewalks

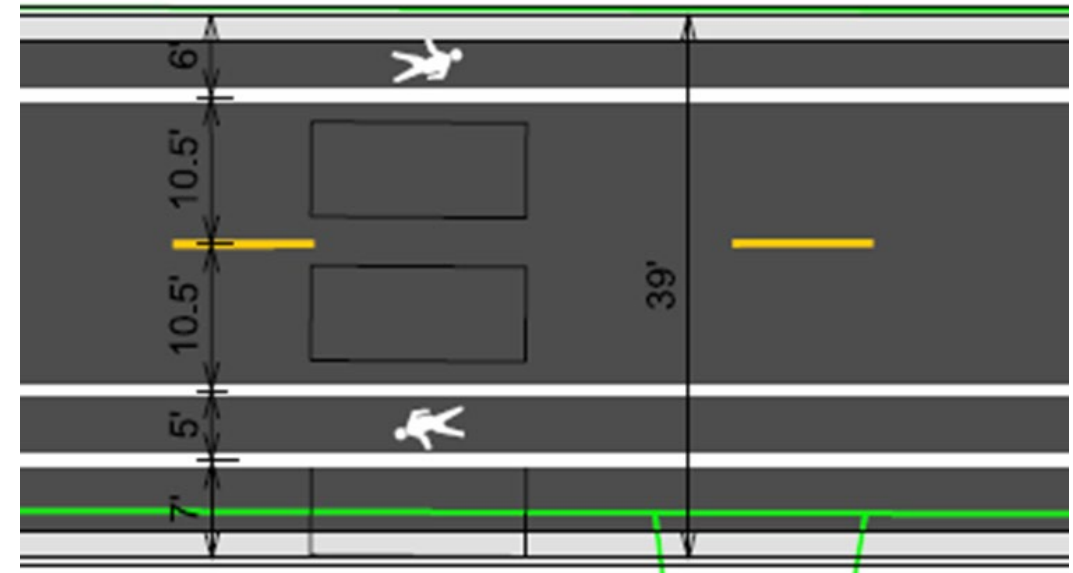
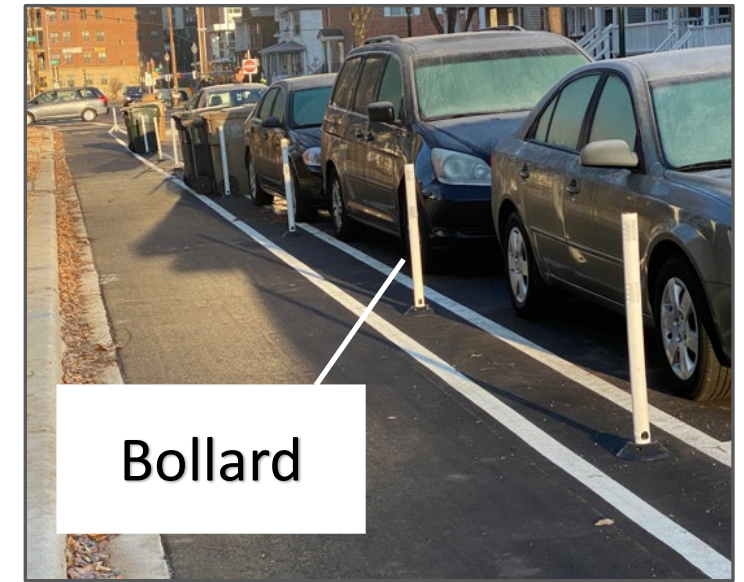
- Requests to consider painted walking lane instead of sidewalks
- Would require lane on both sides
  - Allow people to walk on street facing traffic, per State law
- Dedicated vehicle lanes
  - Avoid merging into pedestrian lane when there's oncoming traffic
  - Separate dedicated parking lane to keep pedestrian space clear



# Alternative Option to Sidewalks

## ➤ Concerns

- No protection for pedestrians
  - Could add bollards, but aesthetic would not fit well, and would require extra pavement
- More potential for speeding
- More Impervious area: 28,000 Sq. Yds
- Likely heavier salt use
- Difficult to achieve ADA compliant grades
- More challenging than sidewalk for people with visual impairment
- Potential confusion for people on bikes
- Option with painted walking lanes is Not Recommended



# Review Preliminary Plan

# Assessment Policy

Item	Property Owner Share	City Share
Curb and Gutter & 4' of Pavement	100%	0%
Remaining 14' of Pavement	0%	100%
Install new sidewalk**	100%	0%
Replace existing curb and gutter	50%	50%
Replace existing sidewalk	50%	50%
Replace driveway apron	50%	50%
Storm sewer	0%	100%
Private storm connects, if any	100%	0%
Terrace rain garden	\$100	Remainder
Sanitary sewer main	0%	100%
Sanitary sewer laterals	25%	75%
Water main lining	0%	100%

\*\*Note: Safe routes grant would cover 50% of costs to install new sidewalks. Assessment for sidewalks along each project would be shared by all properties within project, even if only on one side



# Assessment Policy

- Preliminary, estimated assessments mailed to property owners prior to each project
- Based on property frontage and specific dimensions of sewer laterals and driveway aprons serving each property
  - 1-2 family residential properties on corners assessed 50% of frontage
- Final assessments calculated following construction using in-field measured quantities and actual bid prices
  - Final billing sent in summer after construction (sent in 2023 for construction completed in 2022)
- Assessments are payable in lump sum or in up to 8 installments at current interest rate (2% in 2022)
- With request at Board of Public Works, this may be extended to 15 years
- Additional assistance to eligible home owners through City's Office of Community Development

# Design Decision Making Process

- Following process for all similar projects
- Present preliminary design to Transportation Commission on 3/9/22
- Make adjustments to design based on input received following PIM tonight and from the Commission
- Approve “Geometrics” for Lake Mendota Dr.
  - Establishes base street design – curb & sidewalk locations
  - Will allow for small adjustments to protect trees, add rain gardens, grade adjustments, etc.
  - Board of Public Works: 3/16/22
  - Transportation Commission: 3/23/22
  - Common Council: 3/29/22
- Hold additional meeting prior to each reconstruction project



# 2022 Project Schedule

- 4/4/22: Public Meeting specific to 2022 project
- 4/8/22: Mail Estimated Assessments, Public Hearing Notice
- 4/20/22: BPW Public Hearing
- 5/10/22: Common Council Hearing
- 5/26/22: Advertise for Bids
- 8/1/22: Begin Construction
- 11/1/22: End Construction

# Contact Information & Resources

- Engineering
  - Jim Wolfe, Project Manager, 266-4099, [jwolfe@cityofmadison.com](mailto:jwolfe@cityofmadison.com)
  - Daniel Olivares, City Engineering – Sewers, 261-9285 or [daolivares@cityofmadison.com](mailto:daolivares@cityofmadison.com)
  - Renee Callaway, Ped & Bike Administrator, 266-6225, [recallaway@cityofmadison.com](mailto:recallaway@cityofmadison.com)
  - Tom Mohr, Traffic Engineering, 267-8725, [tmohr@cityofmadison.com](mailto:tmohr@cityofmadison.com)
  - Adam Wiederhoeft, Water Utility, 266-9121, [awiederhoeft@madisonwater.org](mailto:awiederhoeft@madisonwater.org)
  - Carissa Wegner, Terrace Rain Gardens, (608) 261-9822, [cwegner@cityofmadison.com](mailto:cwegner@cityofmadison.com)
- Project Website: [www.cityofmadison.com/engineering/projects/lake-mendota-drive](http://www.cityofmadison.com/engineering/projects/lake-mendota-drive)
  - Sign-up for project email updates on the website
  - Updates on closures & work progress will be posted to the project website
  - Recording for this meeting will be posted on project webpage
- Facebook – City of Madison Engineering
- Twitter – @MadisonEngr
- Engineering Podcast: Everyday Engineering on iTunes, GooglePlay