



Lowell Street Reconstruction 2024

Public Information Meeting
City of Madison Engineering Division
Thursday November 2, 2023 at 6:00 p.m.

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



Presentation Overview

Thank You for participating!

- Welcome (Hannah Mohelnitzky, Public Information Officer, City of Madison)
- Introduction (Alder Tag Evers, District 13)
- Presentation (Rachel Dudley & Andrew Zwieg P.E.)
- Q&A (facilitated by Hannah Mohelnitzky)
 - Assisted by:
 - Todd Chojnowski, Sewer Engineer, City of Madison
 - Ali Heinritz, Traffic Engineer, City of Madison
- Presentation available on the website
 - <https://www.cityofmadison.com/engineering/projects/lowell-street-reconstruction>



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 meeting 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 shared Microsoft Excel spreadsheet showing a calendar for 2019 and 2020. The spreadsheet has columns for months and rows for years. A "City of Madison" logo is visible in the top right corner of the shared content. In the bottom left corner, there is a "Join Audio" button with a headset icon. In the bottom center, there are icons for "Q&A", "Chat", and "Raise Hand". In the bottom right corner, there is a "Leave Webinar" button. A "Phone Call" button is visible in the middle of the screen, and a "Computer Audio" button is highlighted with a white box. A blue button labeled "Join Audio by Computer" is positioned below the "Computer Audio" button, with a red arrow pointing to it.



Make sure to join audio



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



CITY OF MADISON



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The screenshot displays a Zoom meeting interface. At the top, a green banner reads "You are viewing City of Madison's screen" with a "View Options" dropdown. The main content is a shared Microsoft Excel spreadsheet. The spreadsheet has a header row with columns labeled A through Z. Row 1 contains the name "Sally" in column A, followed by a calendar for the year 2019 (columns K through X) and a calendar for the year 2020 (columns Y through Z). Below the spreadsheet, there are two audio control buttons: "Phone Call" and "Computer Audio". A large blue button in the center of the screen says "Join Audio by Computer". At the bottom of the Zoom window, there is a toolbar with icons for "Join Audio", "Q&A", "Chat", and "Raise Hand". A red "Leave Webinar" button is located in the bottom right corner.

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



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



How to Participate

The screenshot displays a Zoom meeting interface. At the top, a green banner reads "You are viewing City of Madison's screen" with a "View Options" dropdown. The main content is a shared Excel spreadsheet with a ribbon menu and a grid. A "City of Madison" watermark is visible on the right. Below the spreadsheet, there are two buttons: "Phone Call" and "Computer Audio". A large blue button in the center says "Join Audio by Computer". At the bottom, a toolbar includes "Join Audio", "Q&A", "Chat", and "Raise Hand". A red "Leave Webinar" button is located in the bottom right corner.

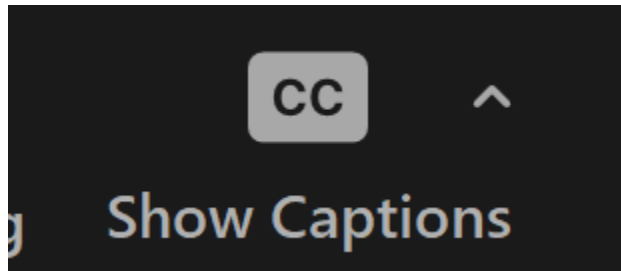
To leave the meeting
click here

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Closed Captioning

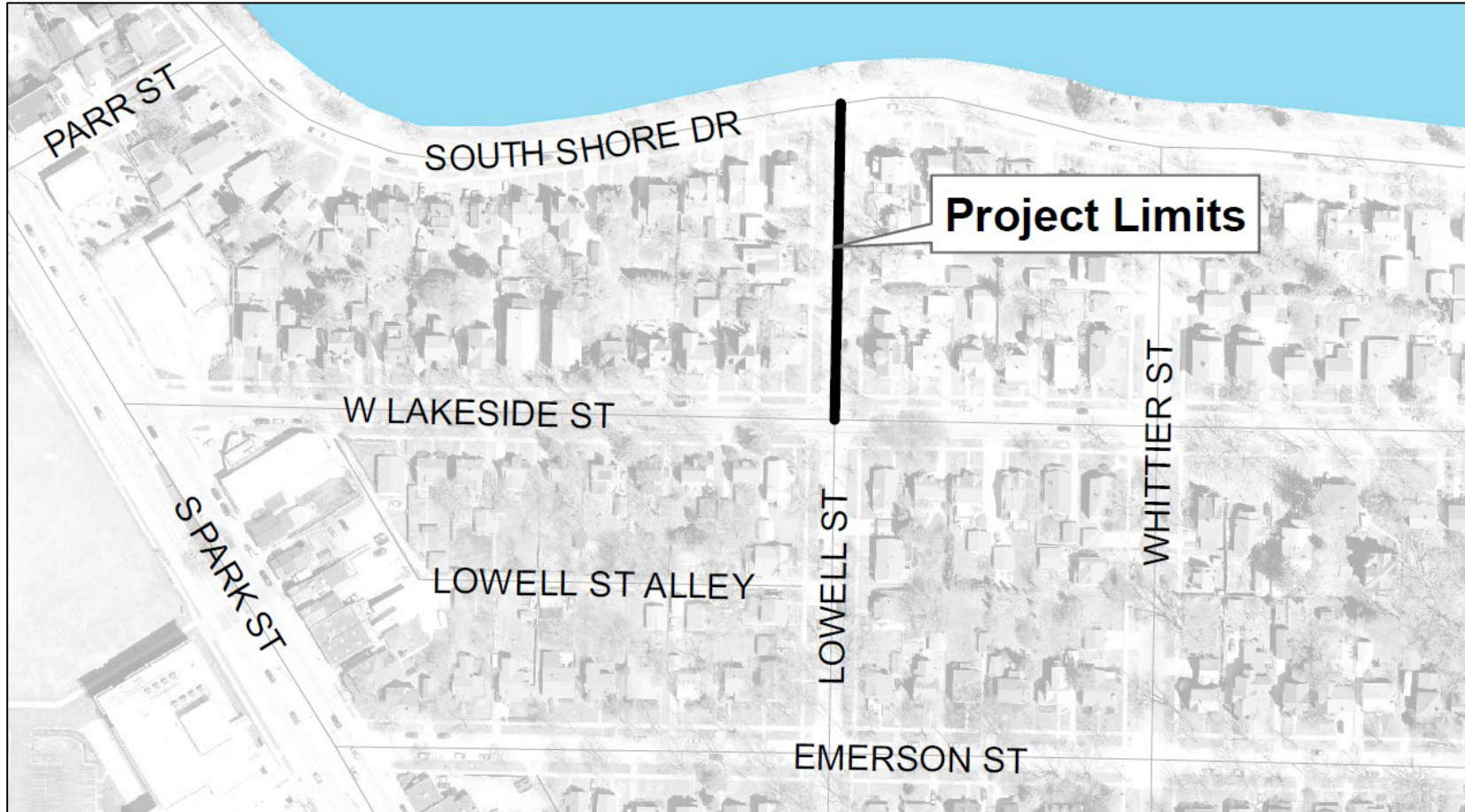
- If you'd like to enable closed captioning, click “show closed captions” button on the bottom of the screen.
- This may already be enabled. If this is not enabled, click the button to allow closed captioning.



Presentation Overview

- Project Location
- Existing Conditions
- Vision Zero
- Complete Green Streets
- Proposed Street Design
- Proposed Utility Design
- Forestry Information
- Storm water Requirements
- Construction & Access
- Assessment Policy & Costs
- Project Schedule
- Contact Information & Resources
- Q&A

Project Location



Existing Conditions

Item	Lowell Street Existing Conditions
Last Surfaced	1927
Pavement Surface Evaluation & Rating	3/10 – structural improvement required, over 50% of pavement is cracked and deteriorated
Curb Rating	2/10
Width	30'
Surface	75-Concrete
Sidewalk	5' wide on both sides
Sanitary	10" Vitrified Clay Pipe 1928 – Located in terrace
Water	6" Sand Cast Iron and 8" Ductile Iron 1926 – Located in street
Storm	24" Vitrified Pipe 1926 – Located in terrace
Parking	2 hour parking on Lowell



VISION ZERO MADISON

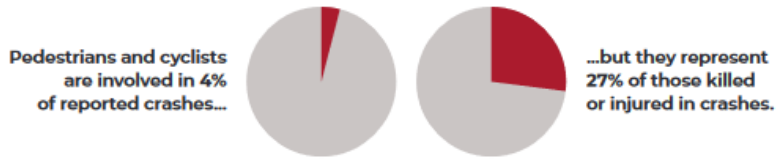


ACTION PLAN
2020 - 2035

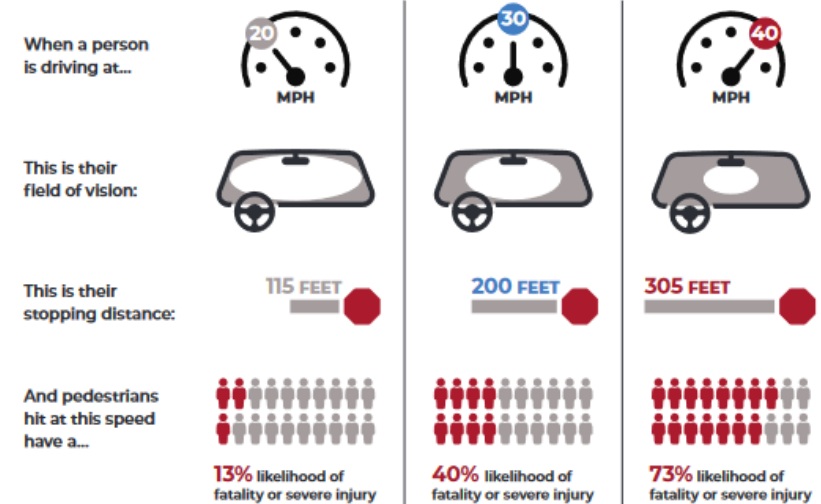
Why Vision Zero?

Vision Zero is a strategy to eliminate all traffic fatalities and severe injuries, while increasing safe, healthy, equitable mobility for all. First implemented in Sweden in the 1990s, Vision Zero has proven successful across Europe and now it's gaining momentum in major American cities.

Pedestrians and Cyclists are Disproportionately Represented in Injuries and Fatalities



Controlling Speed is a Key Factor in Vision Zero

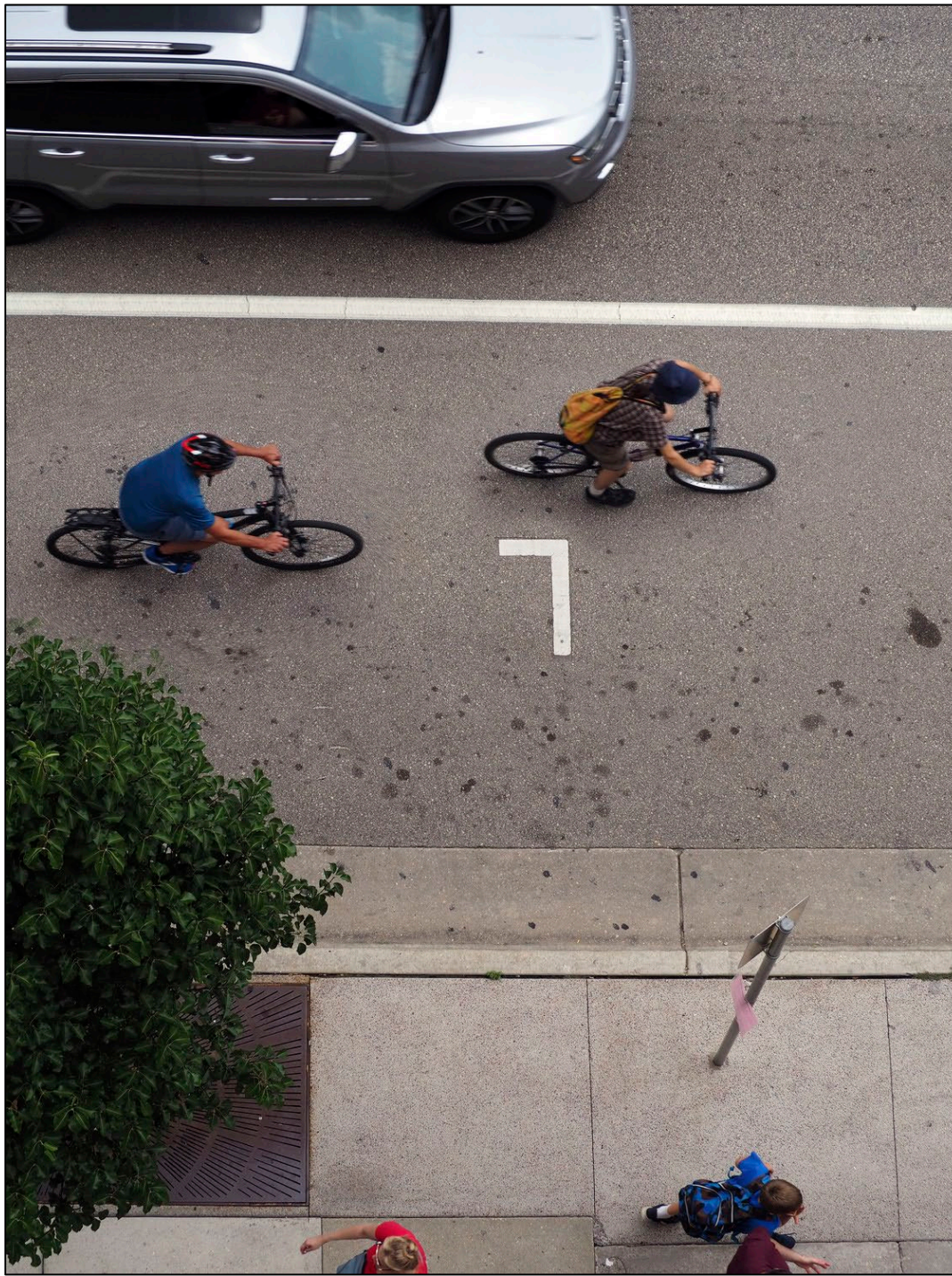


Concept and data: Toole Design Group, LLC
TOOLE DESIGN



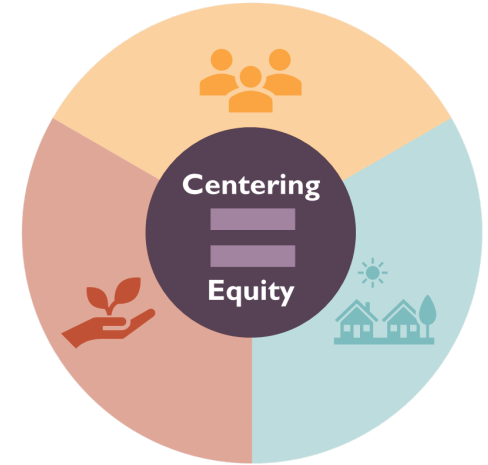
City of Madison

Complete Green Streets Guide



STREET VALUES

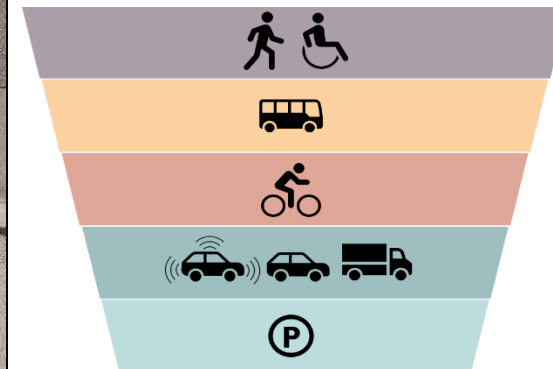
Putting People First



Fostering Sustainability

Supporting Community

MODAL HIERARCHY



Approved January 6, 2023

MADISON





Principles of Complete Green Streets

- Streets are for everyone, no matter who they are or how they travel.
- There is no one design but instead each design considers the specific context of the neighborhood and street.
- Streets are designed and operated to prioritize safety, comfort and access for all users.
- Green infrastructure integrates sustainability in the right of way to help our City be more resilient and helps provide a welcoming public place.

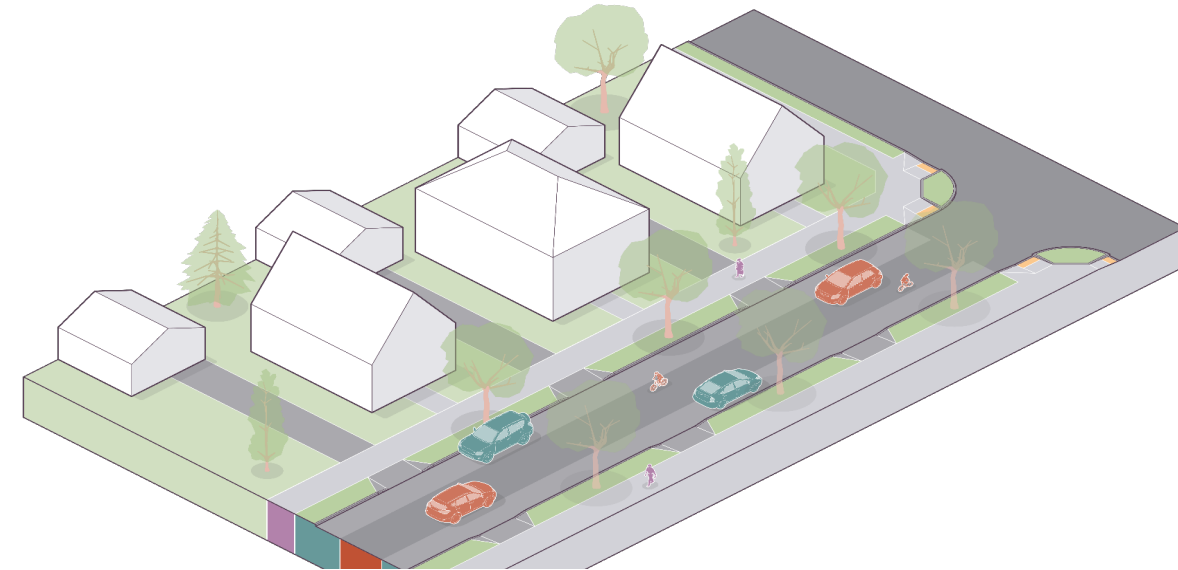
COMPLETE GREEN STREETS – STREET TYPE

Neighborhood Yield Street

Context: Residential neighborhood

Description: This is the standard street type to be applied on neighborhood streets in new developments. Many older neighborhood streets built before 1945 also fall within this street type. May allow parking on only one side. Does NOT allow two drivers to pass each other (one must give way) when parked vehicles are present, which provides a traffic-calming effect.

Target Speed: 20 mph or less



Zone Priorities and Preferred Elements for Each Zone

Walkway High Priority	Flex Zone Medium Priority	Travelway Low Priority	Additional Considerations
Standard sidewalks, with landscaping between the sidewalk and homes or buildings. May shift closer to or farther from the street to avoid impacting existing canopy trees. In constrained conditions (e.g., "Court" streets), sidewalk may be located back-of-curb and on only one side.	Landscaped terrace with street trees. May straddle the walkway when the walkway is close to the street to avoid impacting existing canopy trees. On-street parking on one or both sides.	Two-way travel without lane markings, typically requiring one direction to give way to the other. No dedicated bikeway.	Snow emergency zones, parking restrictions, parking demand, emergency access.

Proposed Street Design

- Replace asphalt pavement
- Replace curb and gutter
- Spot replace sidewalk as needed
- Replace driveway aprons
- Medians on W Lakeside St to remain
- Parking to remain the same after construction
- No changes to existing street lighting

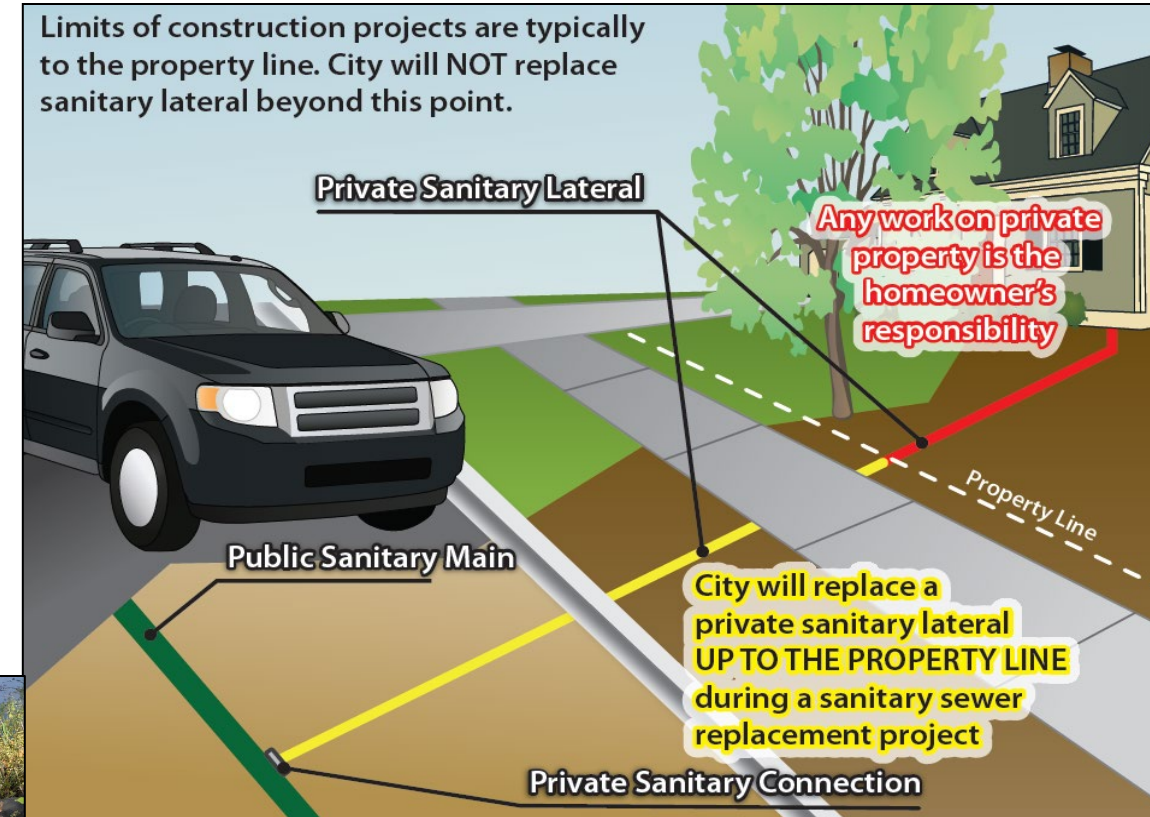


Proposed Street Design



Proposed Utility Design

- Replace Sanitary Sewer main and laterals
- Replace Storm Sewer main and laterals
- Replace Storm Sewer connection into Monona Bay
- Existing water main to remain



Forestry Information

- City Engineering has reviewed the project with City Forestry & a Forestry Rep will work with the contractor & inspector during construction
- Trees will be pruned prior to construction to provide required clearance above street
- No planned tree removals
- After project completion, Forestry will evaluate terrace for potential tree planting locations
- Tree priority score
 - 88 tree equity score
 - 34% canopy cover; goal is 50% canopy cover

Stormwater Requirements – Terrace Rain Gardens



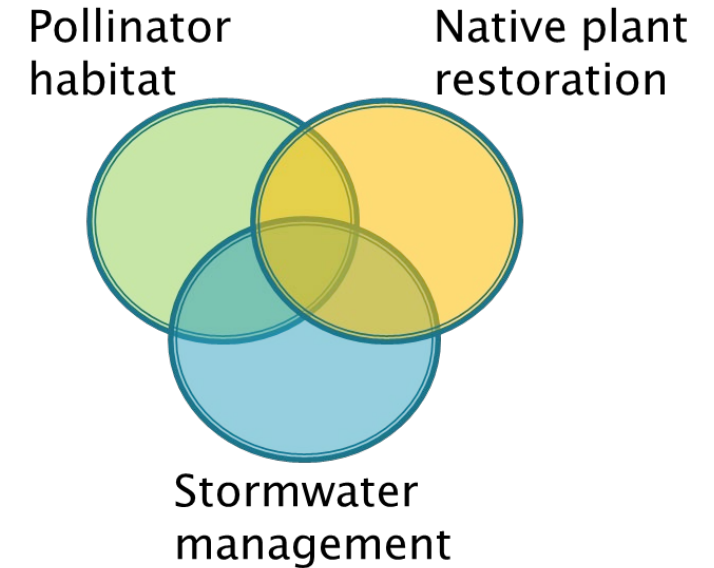
terrace rain garden



- ▶ Collect the stormwater runoff from the road
- ▶ 1 foot deep (from top of the curb)
- ▶ Constructed and planted by the city
 - Use native vegetation
- ▶ Maintenance is done by the residents
 - Guides are available
- ▶ \$100 cost to residents
 - City pays \$3,000 for construction and planting

Stormwater Requirements – Terrace Rain Gardens

- ▶ Stormwater management:
 - Helps infiltrate stormwater into the ground instead of going to the sewers, and then the lake
 - Helps minimized flooding
 - Best option for ground water recharge
- ▶ Pollinator habitat:
 - The natives plants can provide food and nesting space
 - Flowers throughout the summer
- ▶ Native plant restoration:
 - Showcase the native plants of Wisconsin
 - A fraction of original prairie remains in Wisconsin



Gardens can be interesting and a place for art. These fish start a lot of conversations.

Stormwater Requirements – Terrace Rain Gardens

▶ Criteria

- Terrace (area between curb & sidewalk) must be at least 10 feet wide
- At least be 15 feet long
- Trees to be at least 10 feet from edge of the rain garden
- Driveways and sidewalk ramps need to be at least 3 feet from edge of rain garden
- Needs to overflow back into the curb, away from the sidewalk/house
- Terraces cannot be too steep (in any direction)

Terrace Rain Garden

- ▶ Interested?
- ▶ City will determine whether or not your terrace is suitable
- ▶ If you didn't indicate interest on the survey please contact Phil Gaebler directly
 - Email: PGaebler@cityofmadison.com
 - Phone: 608-266-4059
- ▶ You can learn more at: www.cityofmadison.com/TerraceRainGardens



terrace rain garden

Construction & Access

- Road closed during project, local traffic only
- Residential driveways accessible for most of the project but closed up to a cumulative total of 20 days, residents are notified before
 - Not accessible when contractor is working directly in front
 - Closed when curb, sidewalk, and driveway apron installed
- Existing Lowell St parking removed during working hours (7am-7pm) for project duration
- Contractor will need to pump ground water
 - Keep utility trenches dry and safe to complete utility work

Construction & Access

- Existing timber, brick or stone walls behind the sidewalk will not be impacted
- Stone or brick pavers within the terrace you wish to save should be removed prior to construction & reinstalled by you after construction is complete
- After construction, disturbed areas will be covered with 6 inches of topsoil, erosion mat and seed.
 - The contractor is responsible for 10 days of watering. After 10 days, it will be up to the resident to water and mow in order for healthy grass to establish

Assessment Policy & Costs

- Special charge for work being done that has a direct benefit to the property
- Preliminary assessment mailed during design phase
 - Based on estimated quantities
 - Unit prices for driveways and pavement reconstruction based on 2023 street improvement rates
 - Rates are an average of last 3 years of construction costs
 - Unit prices for sanitary laterals and private storm sewer connections based on estimated prices
- Assessments can be paid in lump sum or typically over 8 years with 4% interest
- Final assessment billed in 2025 after project completion
 - Based on measured quantities
 - Unit prices for driveways, pavement reconstruction, and terrace walks will not change from preliminary
 - Unit prices for sanitary laterals and private storm sewer connections based on bid prices
 - 2024

Assessment Policy & Costs

Lowell Street

Item	Property Owner Share	City Share
10' Pavement Replacement*	100%	0%
Driveway Apron	50%	50%
Sanitary Sewer Main	0%	100%
Sanitary Laterals to Property Line	25%	75%
Storm Sewer Main	0%	100%
Private Storm Connections (if any)	100%	0%

*Pavement assessed per linear ft. of frontage



Assessment Policy & Costs

- ▶ Approximate Lowell Street property owner costs for items
 - Driveway apron replacement approx. \$1,000 each
 - 10' pavement replacement approx. \$40.95 per ft.
 - 50% discount for corner lots
 - Sidewalk replacement not assessed
 - Sewer lateral replacement approx. \$3,000 each
 - For 40' of lot frontage estimate: \$5,000-\$6,000

Project Schedule

- December 1, 2023: Mail Estimated Assessments, Public Hearing Notice
- December 13, 2023: Board of Public Works Hearing, public can register to speak
- January 9, 2024: Common Council Hearing, public can register to speak
- Winter 2024: Advertise for Bids
- Spring/Summer 2024: Begin Construction
- Fall 2024: End Construction

Contact Information & Resources

- Engineering
 - Project Engineer, Rachel Dudley, 261-9177, rdudley@cityofmadison.com
 - Project Manager, Andrew Zwieg, 266-9219, azwieg@cityofmadison.com
 - Public Information Officer, Hannah Mohelnitzky, 669-3560, hmoelnitzky@cityofmadison.com
- Traffic Engineering
 - Traffic Engineer, Alexandra Heinritz, 267-1102, aheinritz@cityofmadison.com
- Project Website: cityofmadison.com/engineering/projects/LowellStreet
 - 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

