



# Davies St & Dempsey Rd Reconstruction 2023

Public Information Meeting  
City of Madison Engineering Division  
January 31<sup>st</sup>, 2023

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

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# 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 Microsoft Excel spreadsheet with a grid showing months from May to August for the years 2019 and 2020. The name "Sally" is visible in the first cell. On the right side, a "City of Madison" logo is partially visible. In the center, there are two buttons: "Phone Call" and "Computer Audio". Below these, a blue button labeled "Join Audio by Computer" is highlighted with a red arrow pointing upwards. At the bottom of the screen, there is a toolbar with icons for "Join Audio", "Q&A", "Chat", and "Raise Hand". A red arrow points to the "Join Audio" icon. In the bottom right corner, there is a "Leave Webinar" button.



Make sure to join audio



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



# 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 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 B through Q) and a calendar for the year 2020 (columns R through Z). The spreadsheet is partially obscured by a dark grey overlay containing several controls: a "Phone Call" button with a telephone icon, a "Computer Audio" button with a computer monitor icon, and a prominent blue button labeled "Join Audio by Computer". In the bottom right corner of the overlay, there is a red "Leave Webinar" button. At the bottom of the Zoom interface, there is a toolbar with icons for "Join Audio", "Q&A", "Chat", and "Raise Hand".

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



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Meeting controls are visible at the bottom of the screen. On the left, there is a "Join Audio" button with a headset icon. In the center, there are icons for "Q&A", "Chat", and "Raise Hand". On the right, there is a "Leave Webinar" button in red text. A large blue button in the center of the screen says "Join Audio by Computer". Above this button, there are two smaller buttons: "Phone Call" and "Computer Audio".

To leave the meeting  
click here

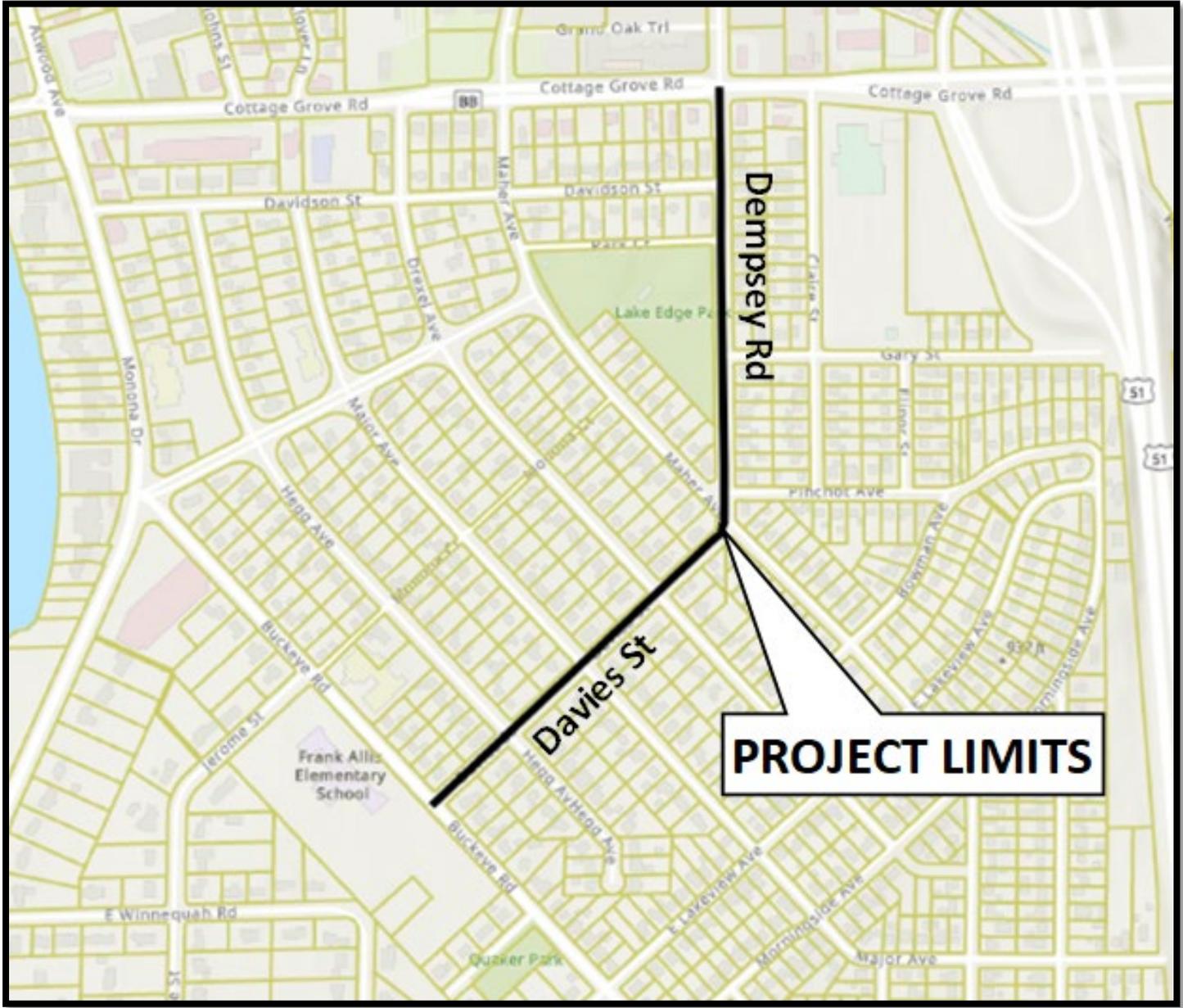
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# Presentation Outline

- Project Location
- Scope of Work
- Utility Work
- Existing Street Conditions & Use
- Previous Street Design Discussions
- Proposed Street Design
  - Complete Green Streets Guidelines
- Forestry
- Maintenance Responsibilities
- Construction & Access
- Assessment Policy & Costs
- Project Schedule
- Contact Information & Resources
- Q&A





# Project Location



# Scope of Work

## ➤ Utility Work

- Replace Sanitary Sewer Main & Laterals
  - Setup Backyard Sewer Lines for Front Connection
- Replace & Upgrade Storm Sewer
- Replace Water Main & Services
- MG&E will also replace gas main within project limits

## ➤ Street Work

- Asphalt Pavement & Rock Base
- Curb & Gutter
- Sidewalk (as approved)
- Shared-Use Path (as approved)

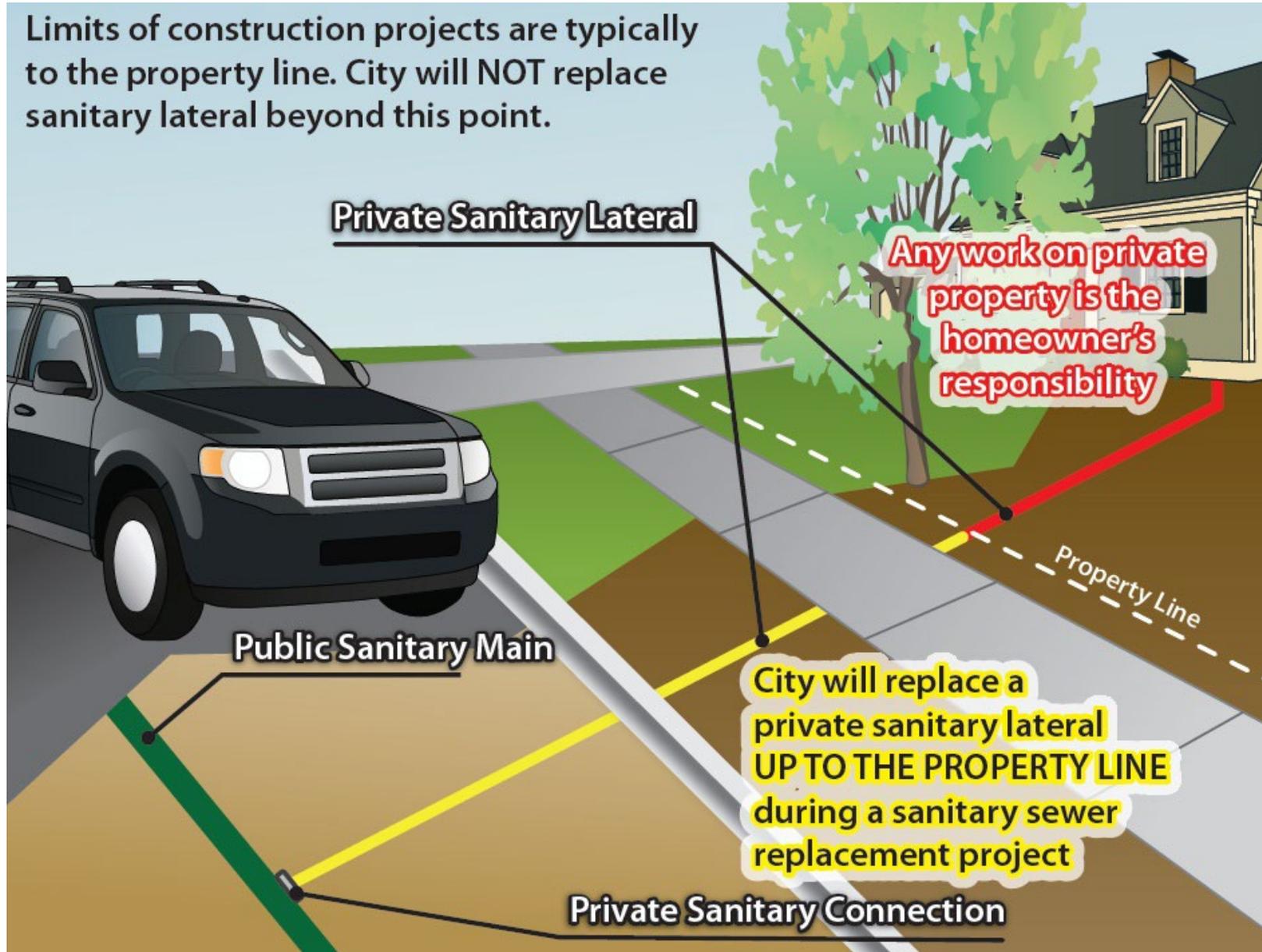


# Utility Work: Sanitary Sewer

- Existing Sanitary Main – Dempsey Rd
  - Cottage Grove Rd to Davidson St = 8" VCP (1952)
  - Davidson St to Gary St = 8" VCP (1952) = CIP Lined in 2014
    - Backyard Main – Laterals to Back of Lots
  - Gary St to Pinchot Ave = 8" VCP (1952)
- Existing Sanitary Main – Davies St
  - Maher Ave to Drexel Ave = 8" VCP (1952)
- Proposed Sanitary Sewer
  - Replace all sanitary sewer main with min. 8" PVC Pipe
  - Replace all sanitary sewer laterals with 6" PVC Pipe
    - Lateral replacement from new main to property line



Limits of construction projects are typically to the property line. City will NOT replace sanitary lateral beyond this point.



# Utility Work: Sanitary Sewer Laterals

# Utility Work: Sanitary Sewer – Backyard Main

- City evaluating installation of sanitary sewer main on Dempsey Rd from Gary St to Davidson St in order to eventually abandon backyard main
  - Basement floor elevation survey still needed from 3910 Dempsey & 4006 Dempsey
  - Please contact Kyle Frank ([kfrank@cityofmadison.com](mailto:kfrank@cityofmadison.com)) to schedule survey
- New sanitary laterals will be installed from new main to property line and plugged.
  - Assessed per City Policy
- Owners will NOT be required to connect to new lateral stubs until future Claire St reconstruction (*not scheduled*)
  - Letters will be sent out when reconnection is required. More information will be provided, including lateral reimbursement policy.



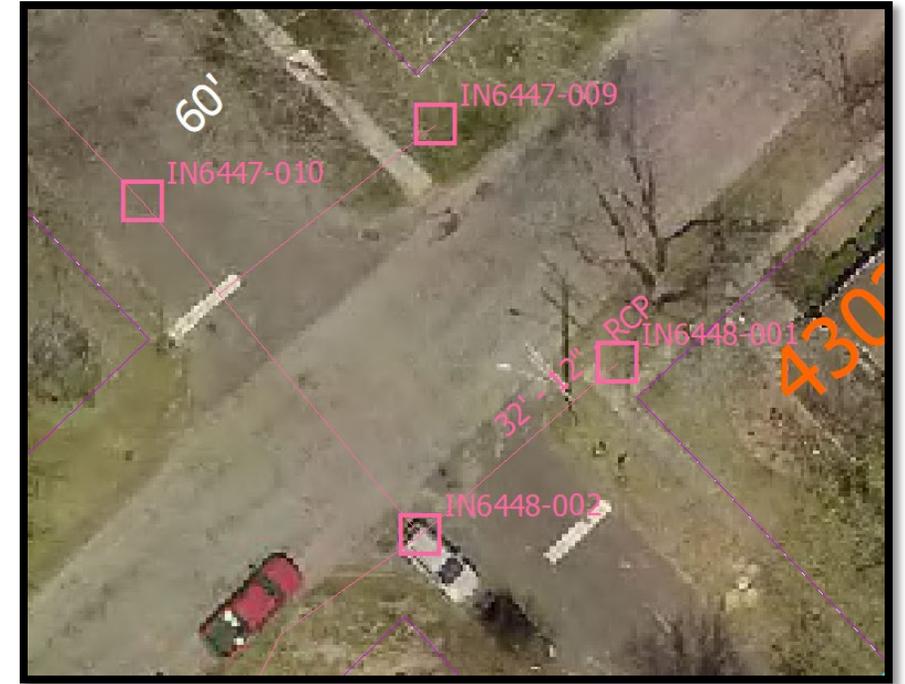
# Utility Work: Water Main

- Existing Water Main – Dempsey Rd
  - Cottage Grove Rd to Maher Ave = 6” Spun Cast Iron (1950)
    - 15 water main breaks recorded
- Existing Water Main – Davies St
  - Maher Ave to Buckeye Rd = No Water Main, Only through intersections
- Proposed Water Main & Services
  - Replace all water main with new ductile iron pipes
  - Reconnect all water services to the new main
  - Replace old Fire Hydrants with 600’ max spacing
- Impacts from Water Installation
  - 2-3 Planned Water Service Outages (~6 hrs) for Residents along Davies & Dempsey
    - All planned service disruptions will have 2 days advance notice, typically Contractor puts up door hangers
  - Potential Unplanned Water Service Outages, Contractor will notify Residents and Repair Damages ASAP
  - Construction may cause Temporary Discolored Water Events. Please see link for more info  
<https://www.cityofmadison.com/water/water-quality/discolored-water>



# Utility Work: Storm Sewer

- Existing Storm Sewer – Dempsey Rd
  - Storm Sewer at Cottage Grove & Dempsey
  - No Storm Sewer Main along Dempsey Rd
- Existing Storm Sewer – Davies St
  - Drexel Ave to Major Ave = 30" RCP (1981)
- Proposed Storm Sewer
  - Install and upgrade new storm sewer pipes and inlets throughout project limits
  - Future project to route stormwater down Gary St to Retention Pond off US 51 (Stoughton Rd) Ramp



# Existing Street Conditions – Davies & Dempsey

- Pavement Rating = 3-4 out of 10
- No Curb & Gutter/No Sidewalk
- Street Surface Width:
  - Dempsey Rd = 36-Ft
  - Davies St = 32-Ft
- City Right-of-Way Width
  - Dempsey Rd = 66-Ft (Typical), 61-Ft, 56-Ft
  - Davies St = 60-Ft
- On-Street Parking on Both Sides of Streets
  - No Parking on Dempsey Rd along Lake Edge Park
- No On-Street Bike Lanes = Monona Lake Loop Route
- Metro Transit Route (39) = Will Continue to have Transit after Metro Redesign is implemented June 2023



# Existing Street Conditions – Davies & Dempsey

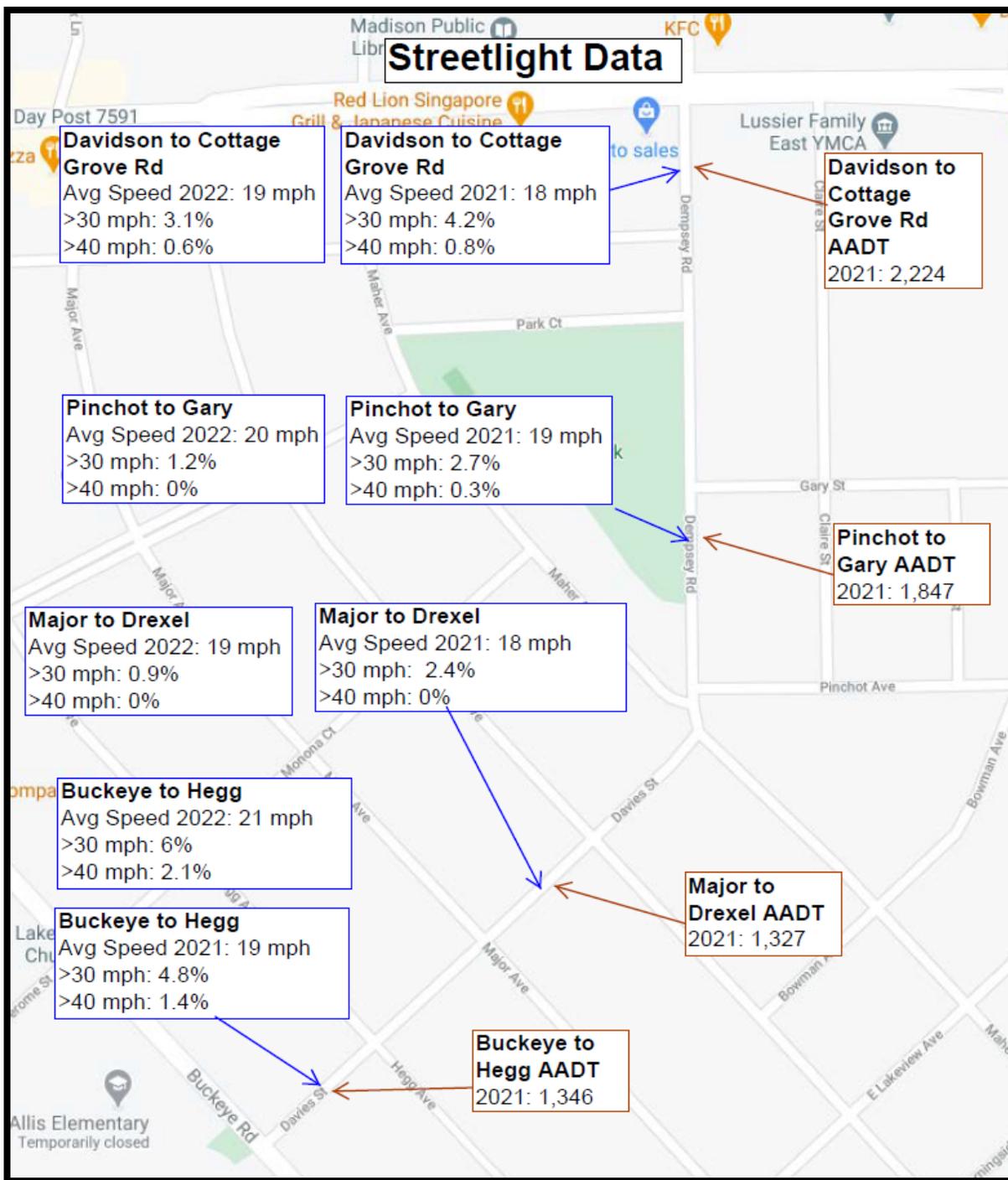


Davies Street (westbound)



Dempsey Road and Park Ct.





# Existing Conditions: Speed & Volume Data

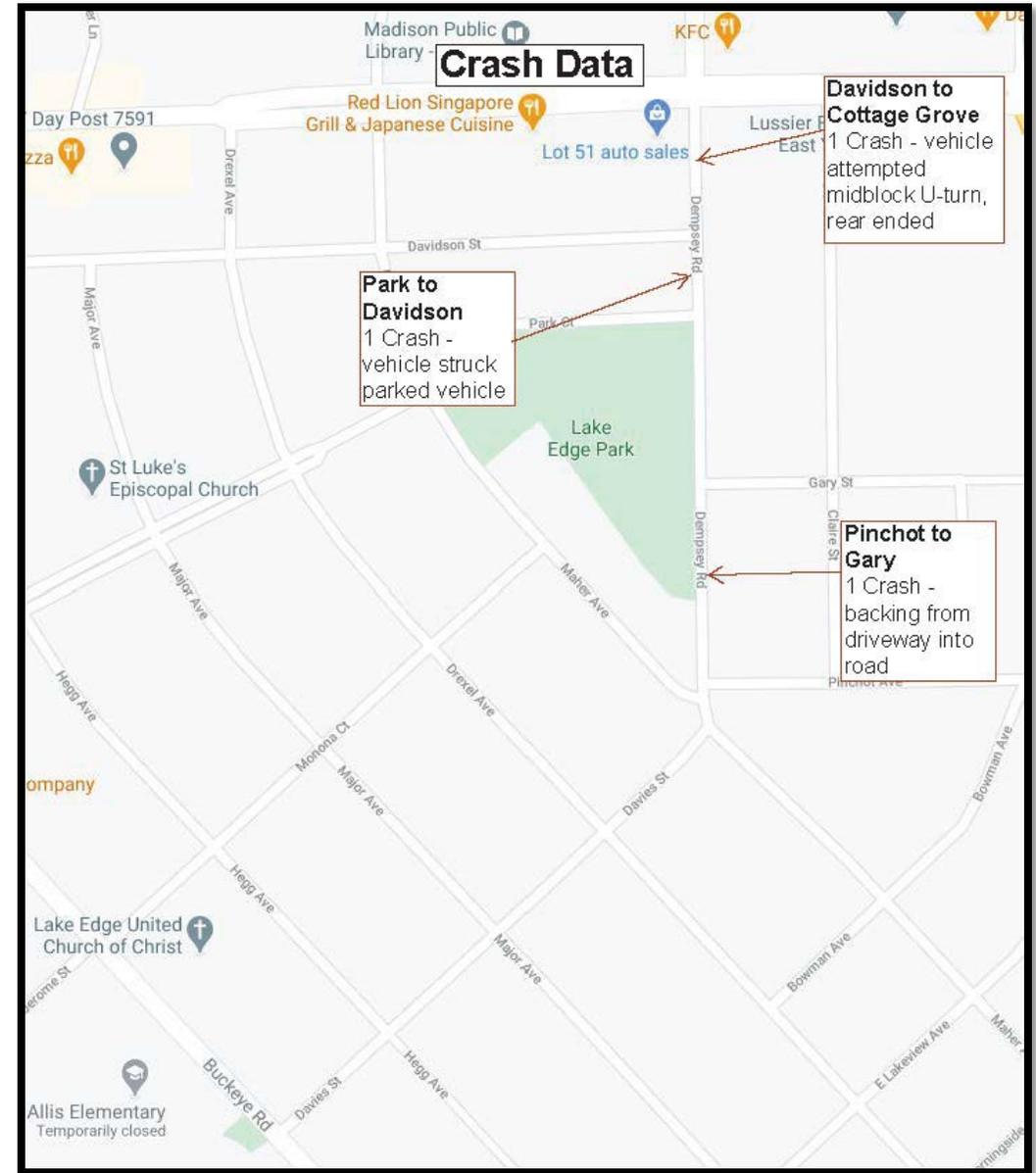
# Existing Conditions: Crashes

## Crashes along Dempsey Rd & Davies St

- 5 crashes within last 5 years
- No vehicle vs pedestrian crashes
- No vehicle vs bicycle crashes

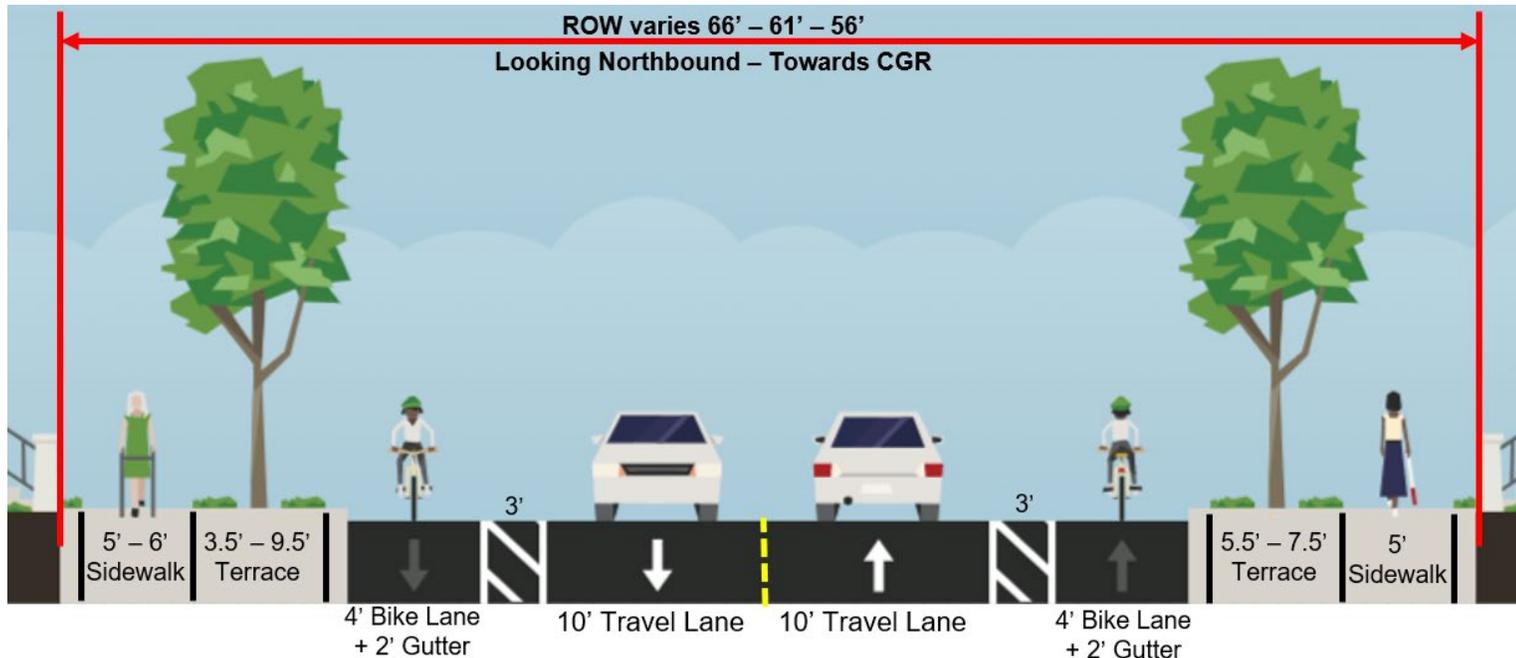
## Crashes at Dempsey Rd & Cottage Grove Rd Intersection

- 1 Vehicle vs. Bicycle Crash (2021)
  - NB Bicyclist & SB-LT Vehicle
- 4 Vehicle vs. Vehicle Crash (since 2017)
  - (1) NB Vehicle & SB-LT Vehicle
  - (2) EB Vehicle & WB-LT Vehicle
  - (1) EB Vehicle Lane Merge

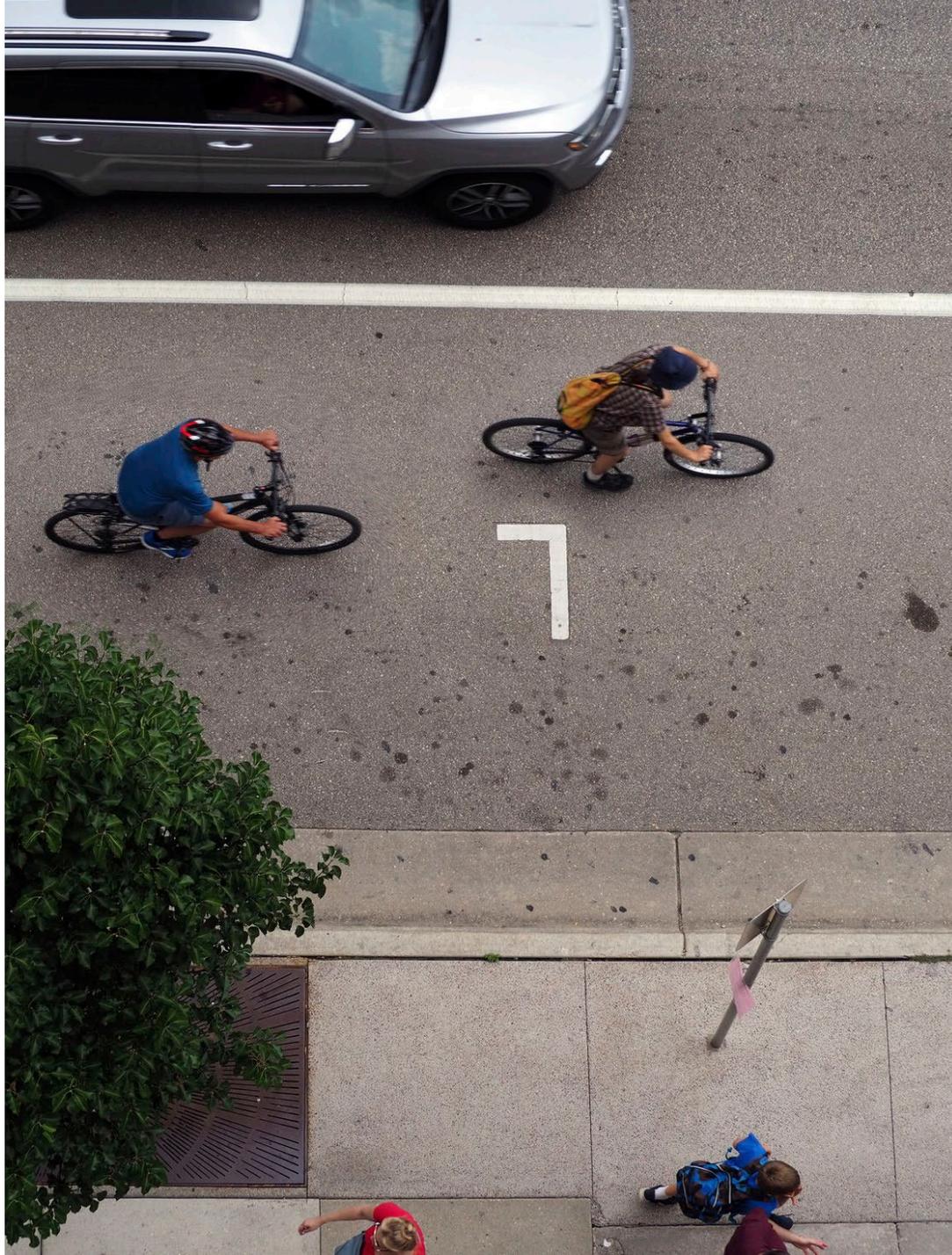


# Previous Street Design Discussions

- Recordings of previous public meetings are available on project webpage
  - December 14, 2020 (Included Maher Ave)
  - January 6, 2022 (Davies-Dempsey Only)
- Previous Design Options (sidewalk on both sides)
  - On-street, buffered bike lanes = 38-Ft wide street (*typical section below*)
  - On-street, painted (no buffer) bike lanes = 34-Ft wide street

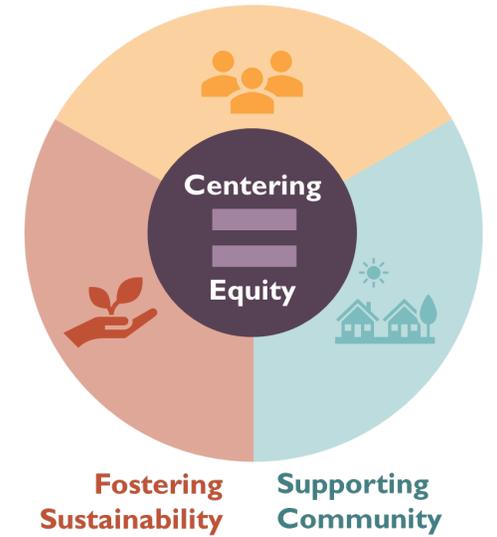


# City of Madison Complete Green Streets Guide



## STREET VALUES

Putting People First



## MODAL HIERARCHY



Approved January 6, 2023



## 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.

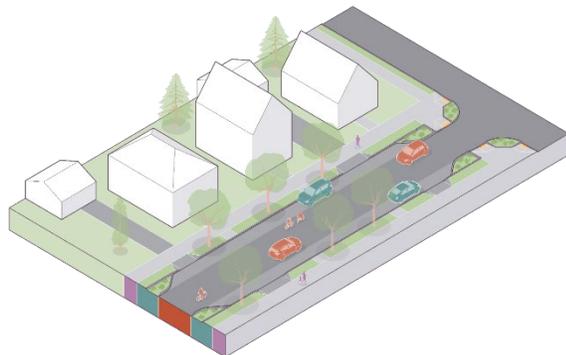
# Dempsey Rd & Davies St

## Street Type: Neighborhood Street

**Context:** Residential neighborhood

**Description:** Wider neighborhood streets that allow two drivers to pass each other without needing to stop. Includes some higher-traffic streets and transit routes. Designed to prioritize neighborhood quality of life.

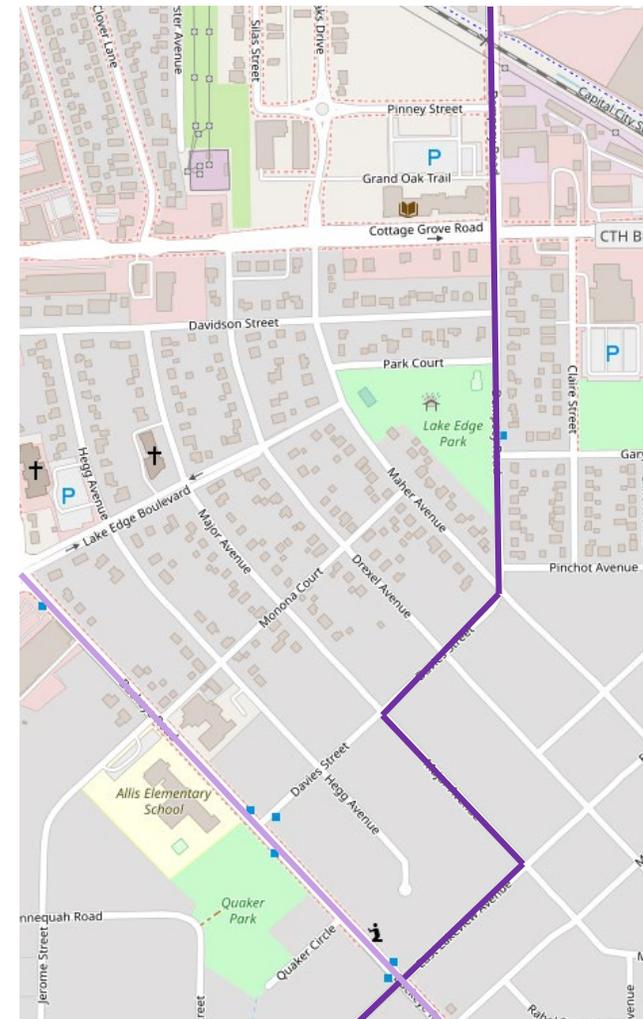
**Target Speed:** 20 mph or less



# Dempsey Rd & Davies St

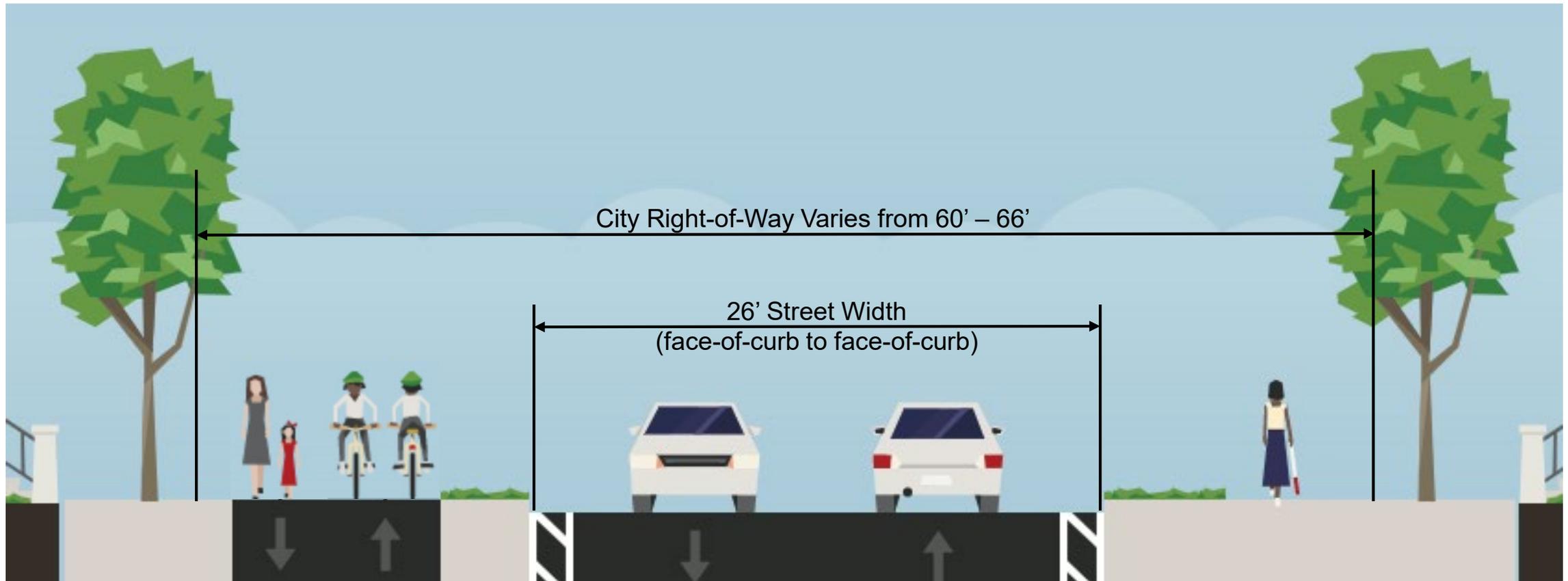
## Complete Green Streets Guide: All Ages & Ability Bike Network

- Streets and paths that are critical to have a complete bike network of safe, low stress bikeways.
- Provide connections between neighborhoods, important destinations in Madison and to adjacent communities.
- Provide facilities needed for increasing the number of people choosing to bike.



# Proposed Street Design – Davies St & Dempsey Rd

Davies St (Maher Ave to Buckeye Rd) – Looking North  
Dempsey Rd (Cottage Grove Rd to Maher Ave) – Looking North



Existing Trees   10' Shared-Use Side-Path (Bikes & Pedestrians)   3'-5' Grass Terrace   11' Travel Lane   11' Travel Lane   4'-8' Grass Terrace   5' Sidewalk   Existing Trees

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# Proposed Street Design – Davies St & Dempsey Rd

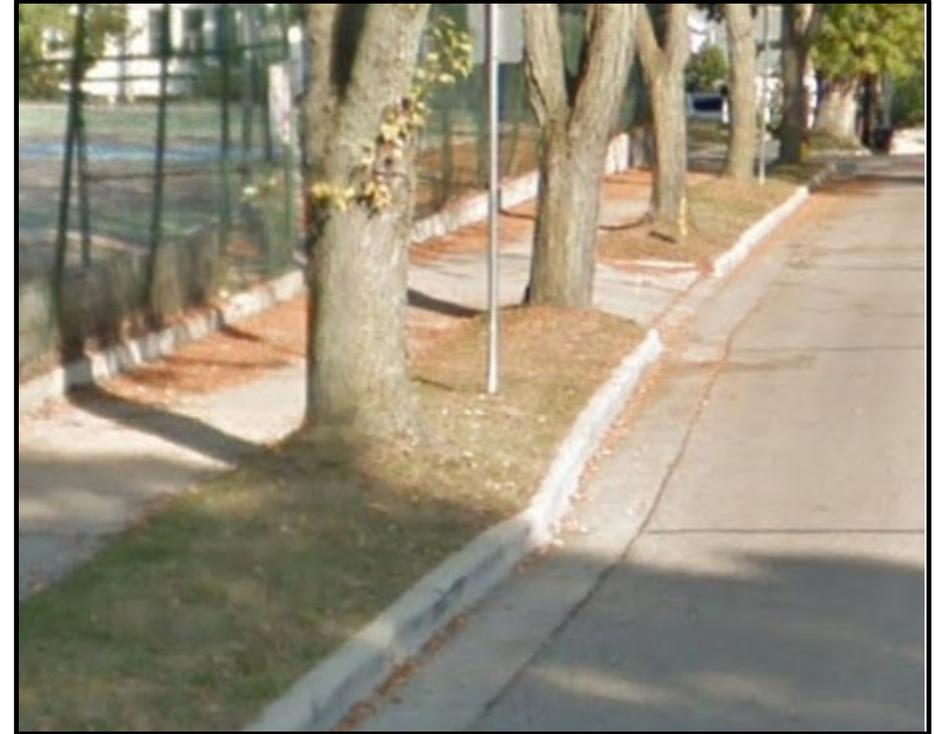
- After previous public input meetings and recommendations from the Complete Green Streets Guidelines – City staff propose:
  - Narrowed, 26-Ft wide street – Two, 11-ft Travel Lanes – Accommodate Transit
  - Remove ALL on-street parking on Davies St & Dempsey Rd (Buckeye to Cottage Grove)
  - 10-Ft Shared-Use, Asphalt Side-Path on the westerly-side for Bikes (all ages & abilities) and Pedestrians
    - Monona Lake Loop Route, Connects Frank Allis Elementary School & Pinney Library
  - 5-Ft Concrete Sidewalk on the easterly-side for Pedestrians
- Advantages vs Previous Designs
  - Narrower footprint allows for less tree impacts & less grading impacts
  - Narrower street with only two travel lanes creates traffic calming to slow car traffic
    - Other traffic calming features (speed humps, traffic circles) not allowed due to bus route
  - Provides All Ages & Abilities Bike Facility on a Transit Route

# Review Plan



# Forestry Information

- No Tree Removals due to Poor Condition
- Anticipated Tree Removals due to Street Work
  - 4" Arborvitae (3902 Dempsey Rd)
  - 21" Norway Maple (3906 Dempsey Rd)
  - 15" Crab Apple (4008 Maher Ave)
    - Adjacent to 'Lake Edge Park' Sign, Sign to be relocated
  - 4" Hackberry (405 Davies St)
  - 4" Hackberry (405 Davies St)
  - 1" Cypress (4301 Drexel Ave)
  - 20" Linden (4215 Major Ave)
  - 25" Linden (4215 Major Ave)
  - 27" Honeylocust (4300 Hegg Ave)
  - 4" Select Pear (101 Davies St)
  - 9" Tatarian Maple (101 Davies St)
  - 6" Japanese Lilac (101 Davies St)



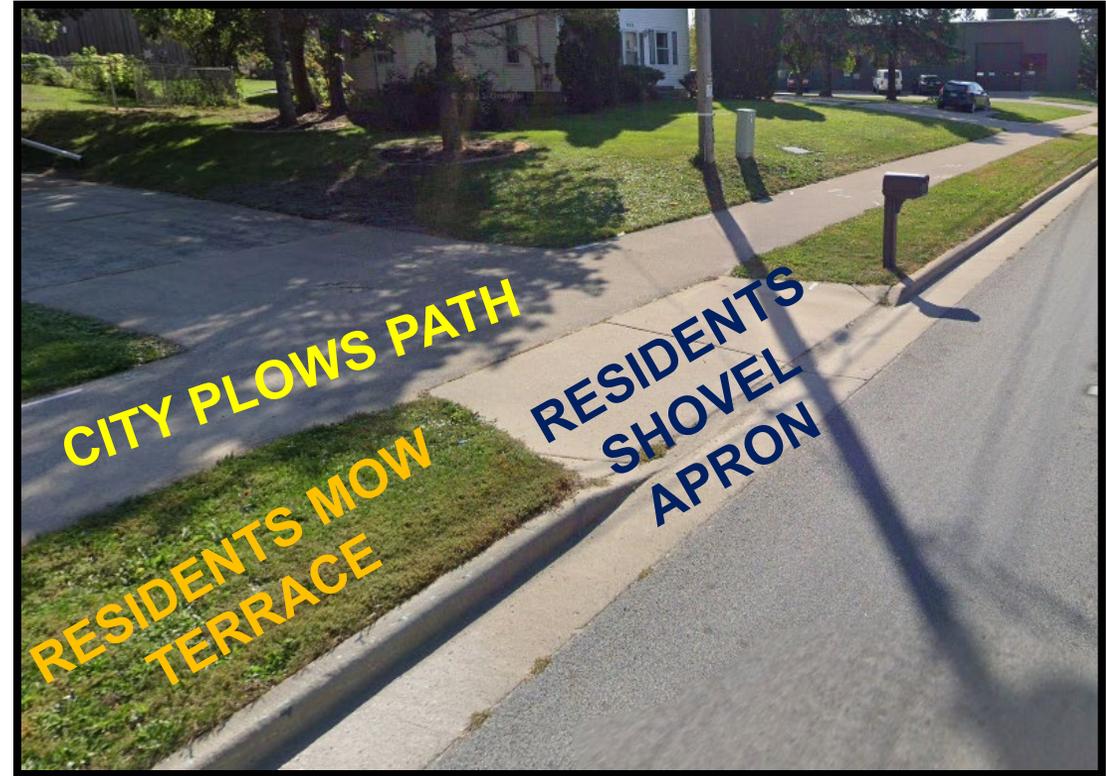
# Forestry Information

- Shrubs and Bushes within Right-of-Way potentially removed
- Tree Pruning prior to Construction = Spring 2023
- Private Trees with limbs hanging into ROW will need to be pruned prior to construction = property owner's responsibility (per city ordinance)
  - 24" Spruce (4301 Drexel Ave)
  - 20" Norway Maple (4212 Dempsey)
  - 30" Bur Oak (4217 Hegg Ave)
  - 14" Honeylocust (4217 Hegg Ave)
  - 28" Linden (4217 Hegg Ave)
  - 26" Bur Oak (4217 Hegg Ave)



# Maintenance Responsibilities

- Westerly-Side 10-ft Asphalt, Shared-Use Path
  - City will be responsible for snow removal of path
    - Will NOT be a priority snow removal route for maintenance (like the Cap City Trail for instance)
  - Fronting residents will be responsible for maintaining grass terrace b/w path and curb
  - Fronting residents will be responsible for snow removal of driveway apron b/w path & curb
- Easterly-side 5-ft Concrete Sidewalk
  - Fronting residents will be responsible for snow removal of sidewalk and driveway aprons
  - Fronting residents will be responsible for maintaining grass terrace b/w sidewalk and curb



# Construction & Access

- Dempsey Rd & Davies St (Cottage Grove Rd to Buckeye Rd) will be closed to thru-traffic during construction
- On-Street Parking will not be allowed during construction hours
- Standard work hours 7am-7pm Mon-Sat; 10am-7pm Sun
  - Limited weekend work anticipated
- Residential driveways may be closed for up to 20 days (including overnight) for installation of concrete items and curing time
  - In addition, driveway access may be limited during utility installation
- Project will require, on average, 2 temporary water shut-offs to each property
- Contractor may need to pump ground water to keep utility trenches dry and safe
  - If needed, pumps will likely need to run over night
- Best guess construction timeframe: *June 2023 thru October 2023*
  - MG&E's work could extend construction timeframe

# Construction & Access

- Any existing landscaping within Right-of-Way will likely be disturbed
- Please remove any plantings, raised beds, structures, stone landscaping, retaining walls, pavers, railings, etc... that you wish to save from the terrace prior to construction.
  - Contractor will not replace/reinstall these items after construction
- Fences within City Right-of-Way will need to be removed prior to Construction
  - Property Owner's responsibility to remove
- Encroaching Fences at the following addresses:
  - 4008 Dempsey
  - 4212 Maher Ave
- Grading on Private Property will likely be needed at specific locations
  - Project Engineer to coordinate Right-of-Entry with property owner's as needed
- Disturbed bare ground will be restored with topsoil, grass seed, and erosion matting
- Residents will be notified by mail 2 weeks prior to the start of construction



# Assessment Policy & Costs

- Updated Street Assessment Policy (Fall 2022)
  - Properties assessed for pavement replacement (10' width) based on property frontage
    - Essentially eliminates assessments for Curb & Sidewalk
  - Properties assessed for sewer lateral and driveway apron replacement based on specific dimensions measured during construction
  - Assessed costs for specific items are based on an average of bid prices from the last 3 years of projects = standardizes costs, removes bidding variability
    - Unit Prices for Driveways, Pavement Reconstruction, and Terrace Walks will be set rates
    - Unit Prices for Sanitary Laterals and Private Storm Connections will be based on final bid prices
- Final assessments are calculated and final billing sent the summer after Construction (2024 for this project)
- Assessments are payable in lump sum or in up to 8 installments at the current interest rate (4% in 2023)

# Assessment Policy & Costs

Item	Property Owner Share	City Share
Replace 10-ft width of Asphalt Pavement*	100%	0%
Remainder of Pavement width	0%	100%
Replace Driveway Apron & Terrace Walk	50%	50%
Install New Sidewalk	0%	100%
Install New Curb & Gutter	0%	100%
Sanitary Sewer Main	0%	100%
Sanitary Sewer Laterals to Property Line	25%	75%
Storm Sewer Main	0%	100%
Private Storm Connects, if any	100%	0%
Water Main & Services	0%	100%
Street Trees Removals & Plantings	0%	100%

\*Based on LF Frontage of Individual Properties

A reduction factor will be applied to single/two-family residential corner lots



# Project Schedule

- Public Informational Meeting: January 31<sup>st</sup>, 20223
- Transportation Commission: February 8<sup>th</sup>, 2023
- Mail Estimated Assessments/BPW Notice: February 10<sup>th</sup>, 2023
- Board of Public Works Public Hearing: February 22<sup>nd</sup>, 2023
- Common Council Public Hearing: March 7<sup>th</sup>, 2023
- Advertise Contract for Bids: March 23<sup>rd</sup>, 2023
- *Start of Construction: Summer 2023*
- *End of Construction: Fall 2023*



# Contact Information & Resources

- Project Manager/Streets & Paths, Aaron Canton, (608) 242-4763, [acanton@cityofmadison.com](mailto:acanton@cityofmadison.com)
- Sanitary & Storm Sewer, Kyle Frank, (608) 266-4098, [kfrank@cityofmadison.com](mailto:kfrank@cityofmadison.com)
- Water Utility, Adam Wiederhoeft, (608) 266-9121, [awiederhoeft@cityofmadison.com](mailto:awiederhoeft@cityofmadison.com)
- Traffic Engineering, Jeremy Nash, (608) 266-6585, [jnash@cityofmadison.com](mailto:jnash@cityofmadison.com)
- Traffic Engineering Bike-Ped Coordinator, Renee Callaway, (608) 266-6225, [recallaway@cityofmadison.com](mailto:recallaway@cityofmadison.com)
  
- Project Webpage: <https://www.cityofmadison.com/engineering/projects/davies-street-and-dempsey-road-reconstruction>
  - Sign-up for updates on road closures & work progress
  - Presentation recording & slides posted to project page
  
- Project Survey available on Project Webpage through February 8<sup>th</sup>, 2023
  
- Facebook – City of Madison Engineering
- Twitter – @MadisonEngr
- Everyday Engineering Podcast – search “Everyday Engineering” on Apple iTunes or GooglePlay

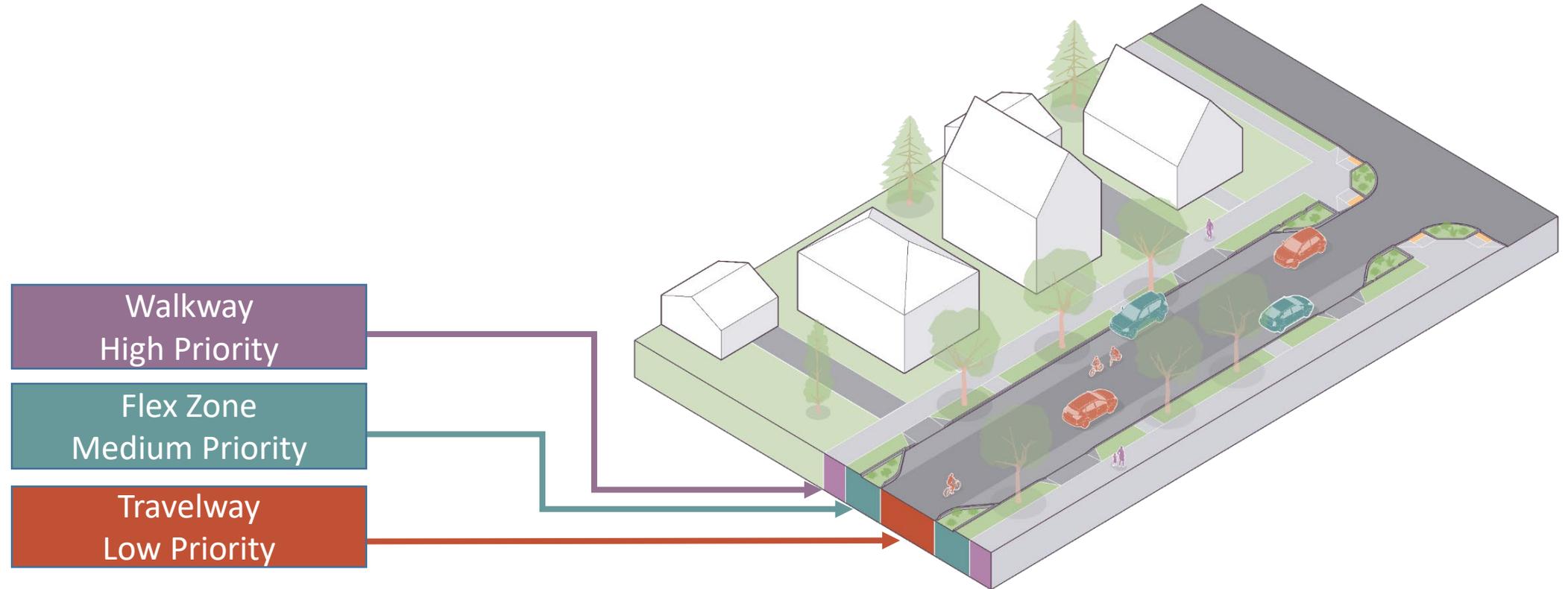


# Q & A



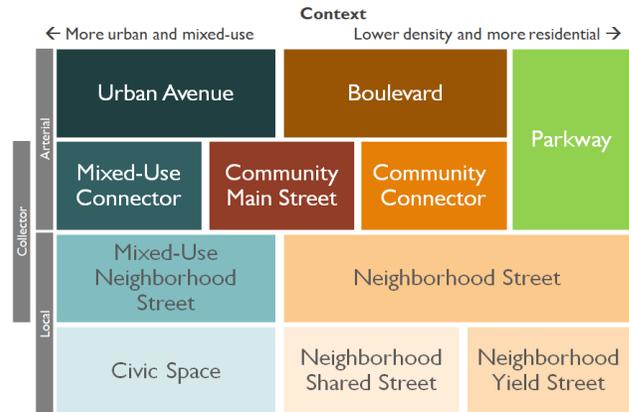
# Davies St & Dempsey Rd

## Street Zone Priorities: Neighborhood Street



# Complete Green Streets Process

What is the Street Type?



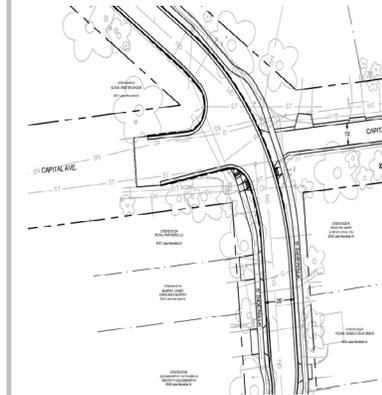
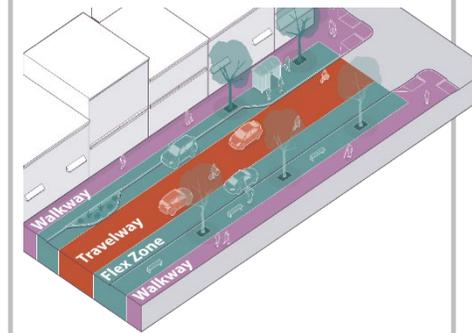
Are there other Overlays?

- Equity Priority Areas**  
(includes additional process elements)
- Transit Priority Network**  
(prioritizes transit on high frequency transit routes)
- All Ages and Abilities Bike Network**  
(key corridors to prioritize high-comfort bikeways)
- Tree Canopy Priority Areas**  
(includes detailed decision matrix)
- Green Infrastructure Priority Areas**  
(includes detailed decision matrix)
- NHS\* & Truck Routes**  
(higher traffic streets)

Identify Street Design Priorities

Allocate space to each Street Zone

Design



If constrained space, determine tradeoffs