Rutledge Street Reconstruction

Public Information Meeting
City of Madison Engineering Division
December 18, 2023

Thank you for attending. We will begin shortly…

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Rules and Housekeeping Items for this Meeting

- This meeting will be **recorded** and posted to the City's project page.
- All attendees will be **muted** during the presentation.
- Use **"chat"** option if you are having technical issues and a staff person can try to assist.
  - Chat will be disabled once presentation starts.
- After the presentation, participants may ask questions via the "Q&A" option, verbally, or by email.
  - Please use the **"Q&A"** option at the bottom of the screen to type a question.
  - To ask a question verbally, click the **"raise hand"** option at the bottom of your screen and the host will unmute you.
  - Email a question to Ngutierrez@cityofmadison.com

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This meeting is being recorded.

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

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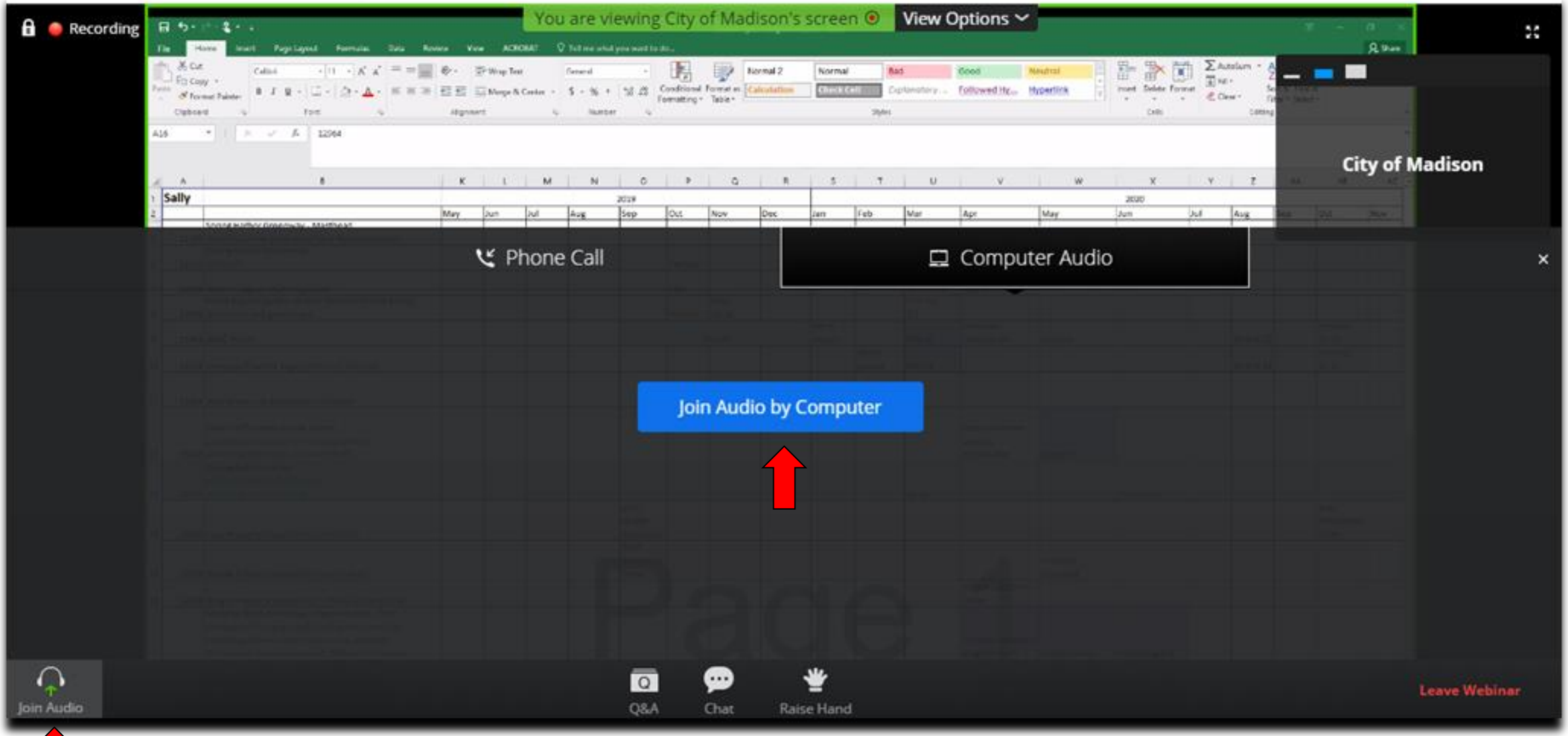
How to Participate



Join audio to ensure you will be able to hear the speaker

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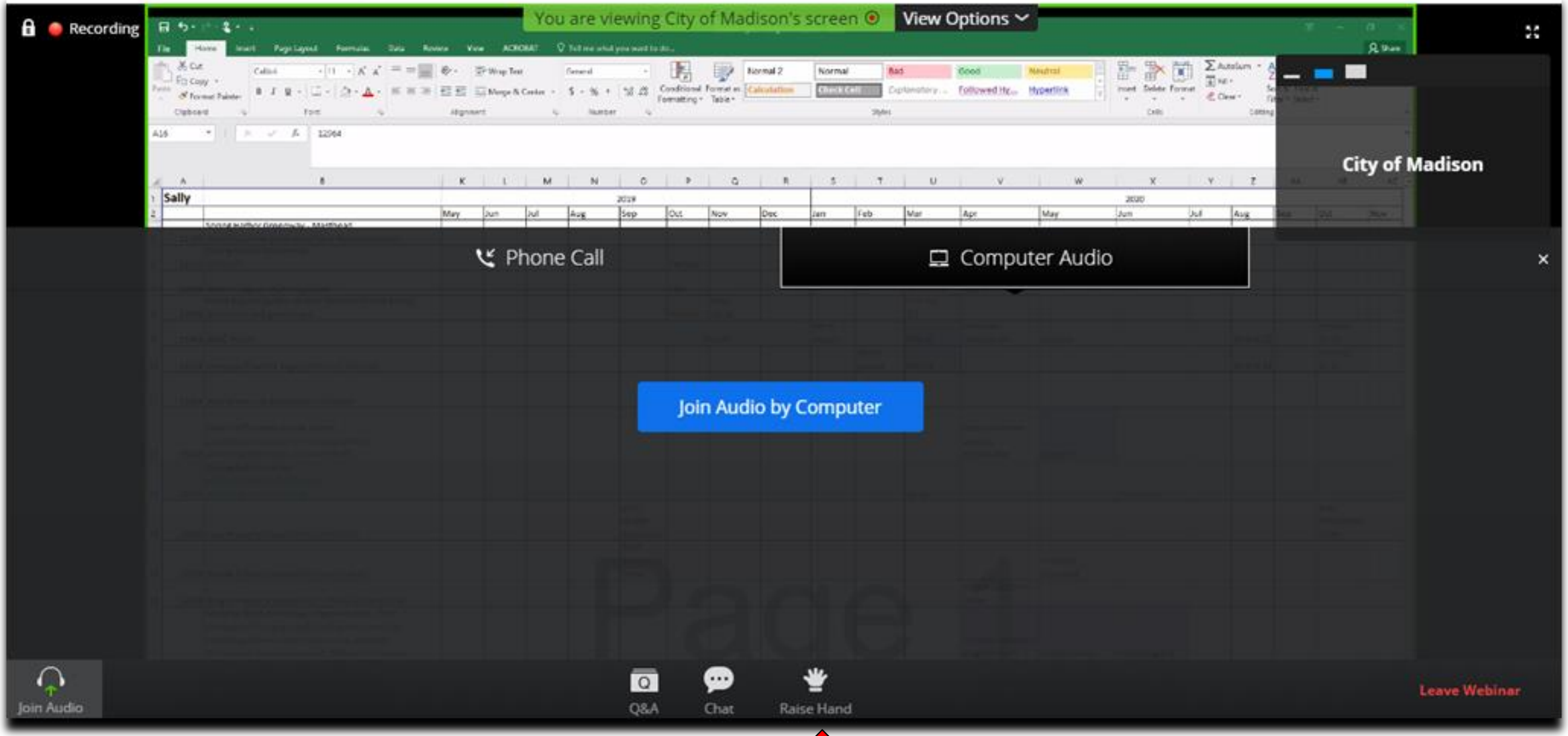

Raise your hand to be unmuted and ask questions after the meeting

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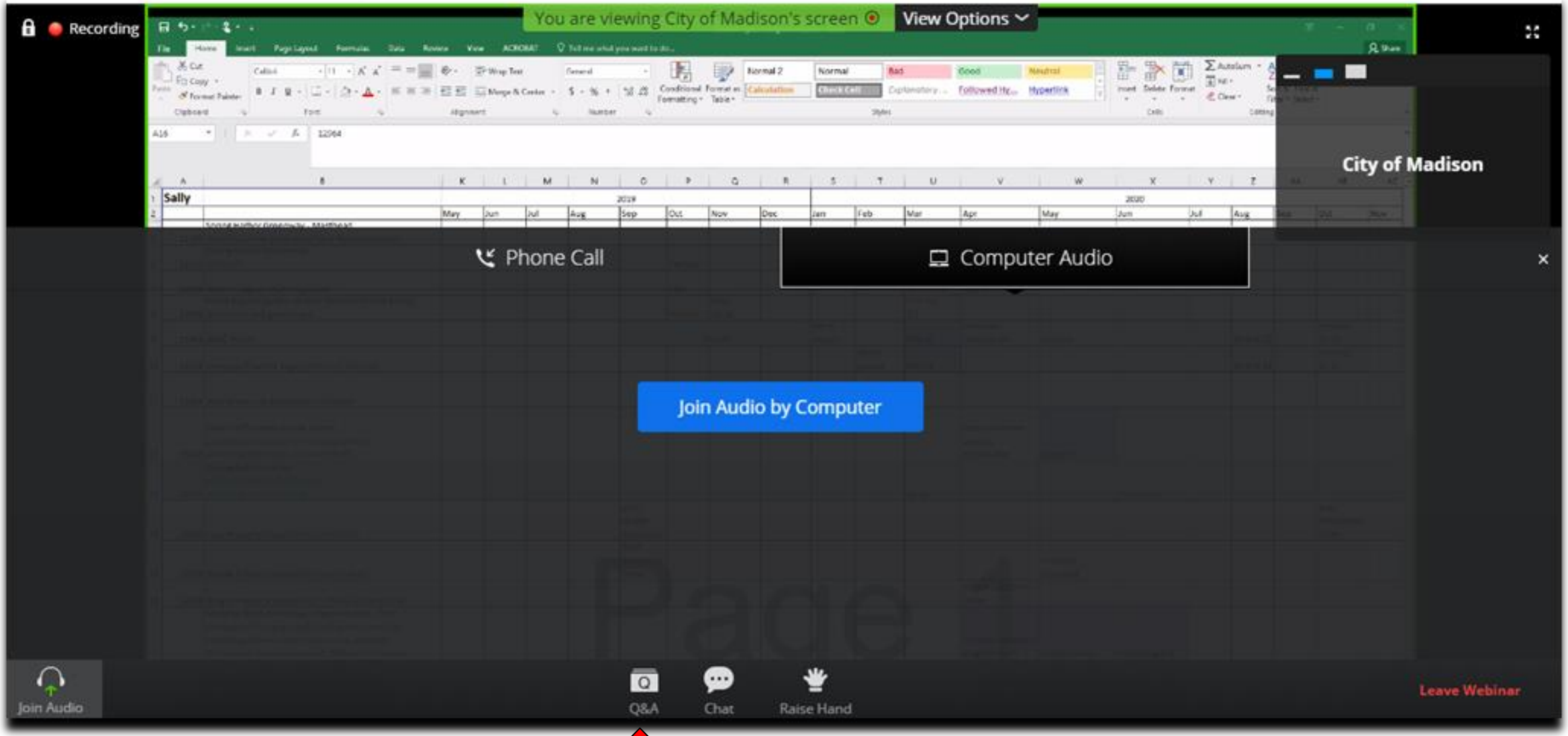

Use Q/A if you have questions
We will answer after the presentation

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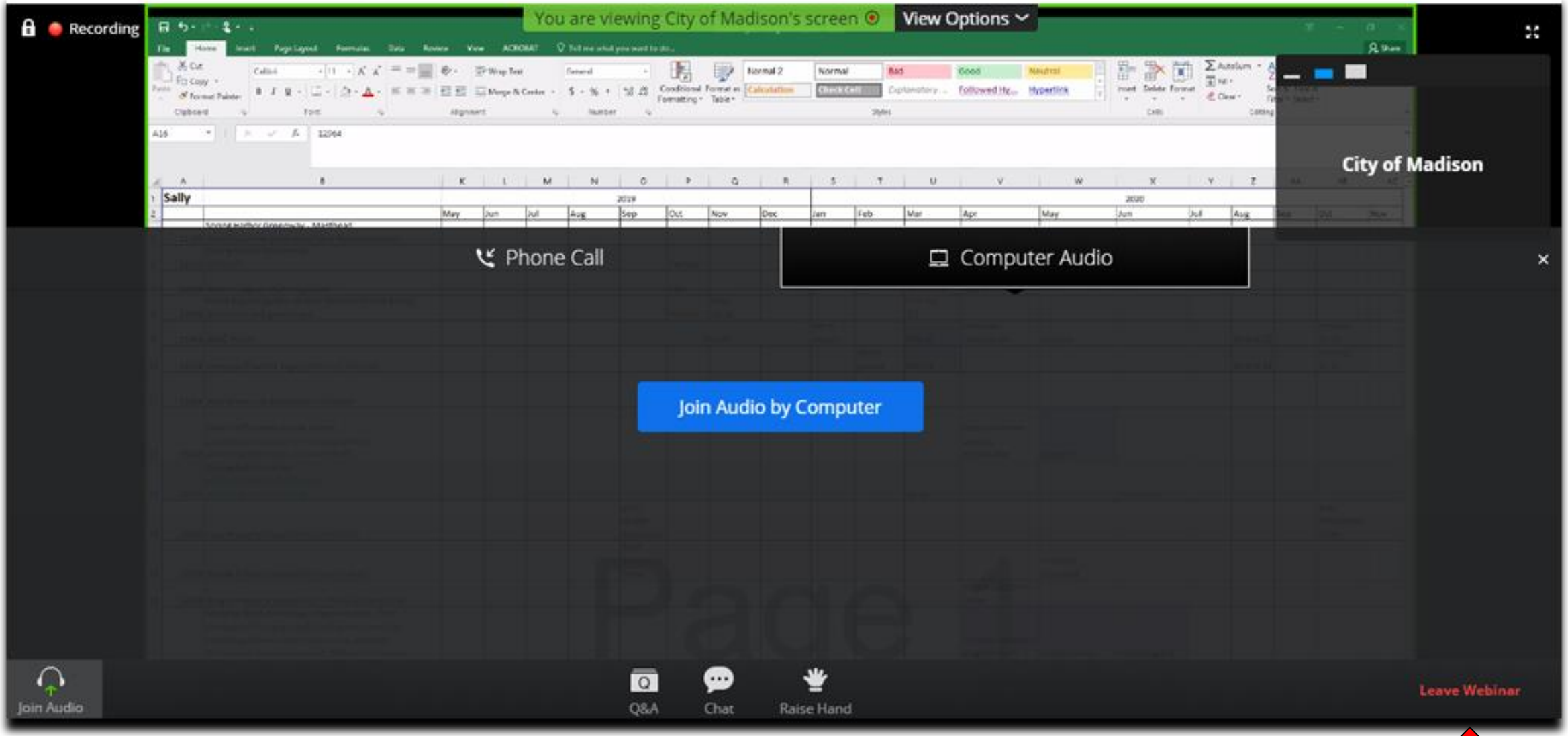

To leave the meeting click here

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Closed Captioning

- If you'd like to enable closed captioning, click "show closed captions" button on the bottom of the screen.
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Presentation Overview

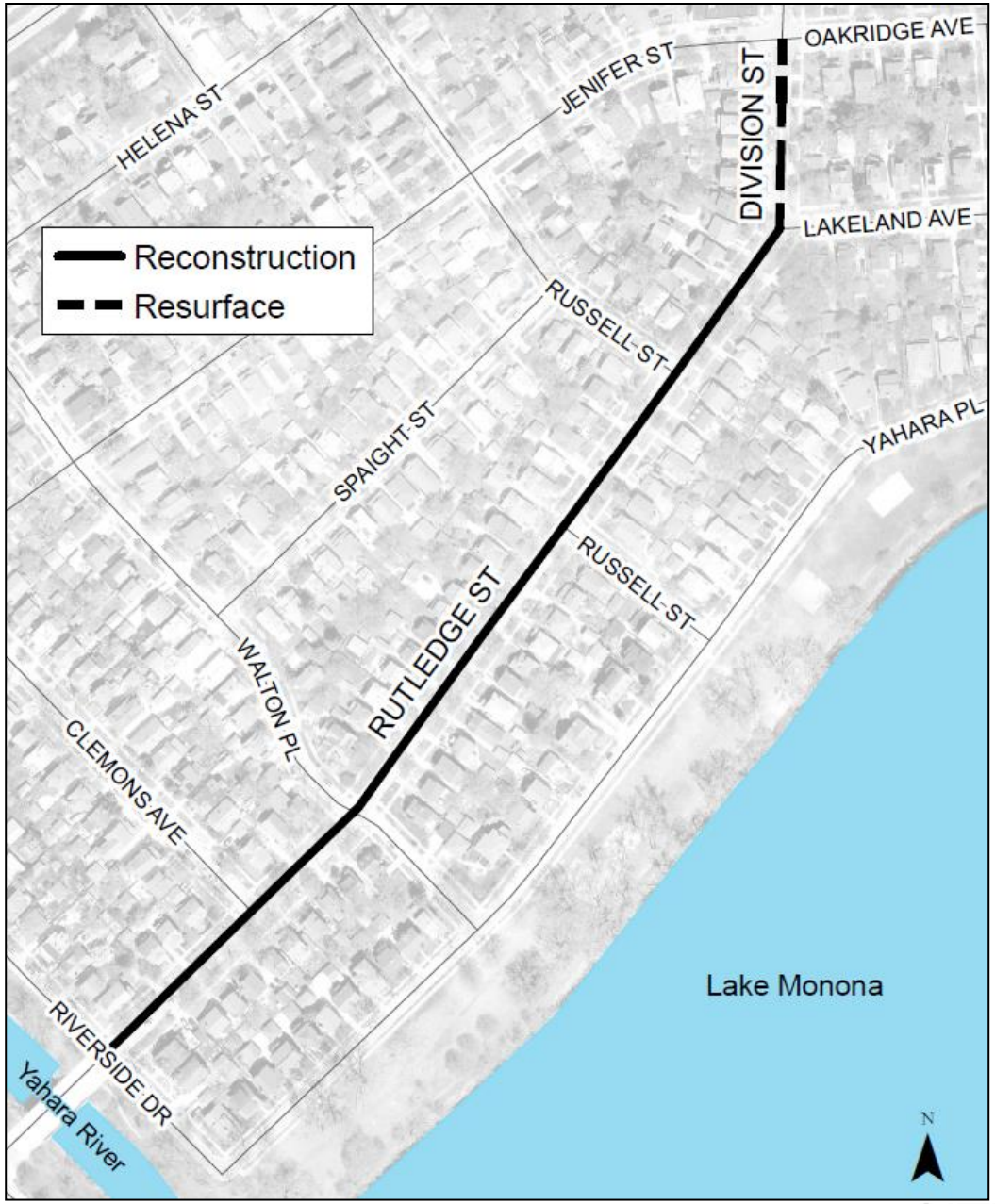
Thank You for participating!

- Welcome (Johanna Johnson, City of Madison)
- Introduction (Marsha Rummel, District 6)
- Presentation (Nashaly Gutierrez Vazquez & Andrew Zwieg, P.E. – City of Madison)
- Q&A (facilitated by Johanna Johnson)
  - Assisted by:
    - Jeremy Nash, Traffic Engineer, City of Madison
    - Kyle Frank, Sewer Engineer, City of Madison
- Presentation available on the website:
  - https://www.cityofmadison.com/RutledgeStreetReconstruction

Presentation Overview

- **Project Location**
- Meeting Purpose
- Project Scope
- Vision Zero
- Complete Green Streets
- Existing Conditions
- Proposed Street Design
- Proposed Street Design Options
- Questionnaire Results
- Proposed Utility Design
- Terrace Rain Gardens
- Forestry Information
- Assessments Policy & Costs
- Project Approve Schedule
- Construction & Access
- Next Steps
- Contact Information, Resources, Q&A

Project Location



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Meeting Purpose

- To gain public feedback regarding the upcoming project and the street layout options
- Communicate residents on the assessments
- To inform the public on the approval schedule and construction access
- Remind the public to fill-out the online questionnaire

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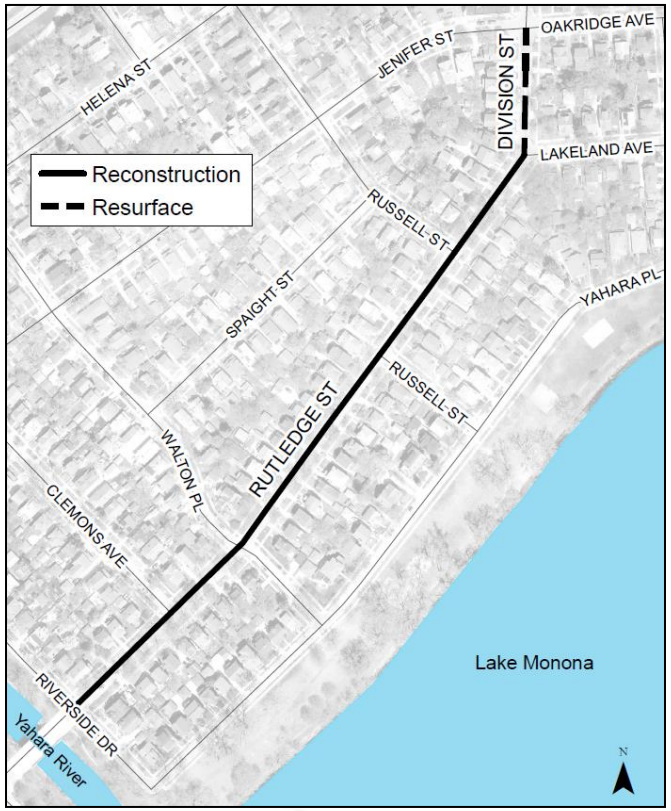
Project Scope

- Street reconstruction
  - Rutledge Street (Riverside Drive to Division Street)
  - Street design will include: curb & gutter, and drive aprons
  - Replacement of sanitary sewer and water main
  - Replacement of asphalt pavement and gravel base
  - Improvement on pedestrian crossings
  - Existing street lighting to remain
- Street resurface
  - Division Street (Rutledge Street to Oakridge Avenue)
  - Replacement of asphalt pavement only
    - Remove/replace 2-inches
- Street spot replacement
  - Sanitary structure at intersection between Yahara Place and Russell Street
  - Sanitary structure on bend at 2034 Yahara Place



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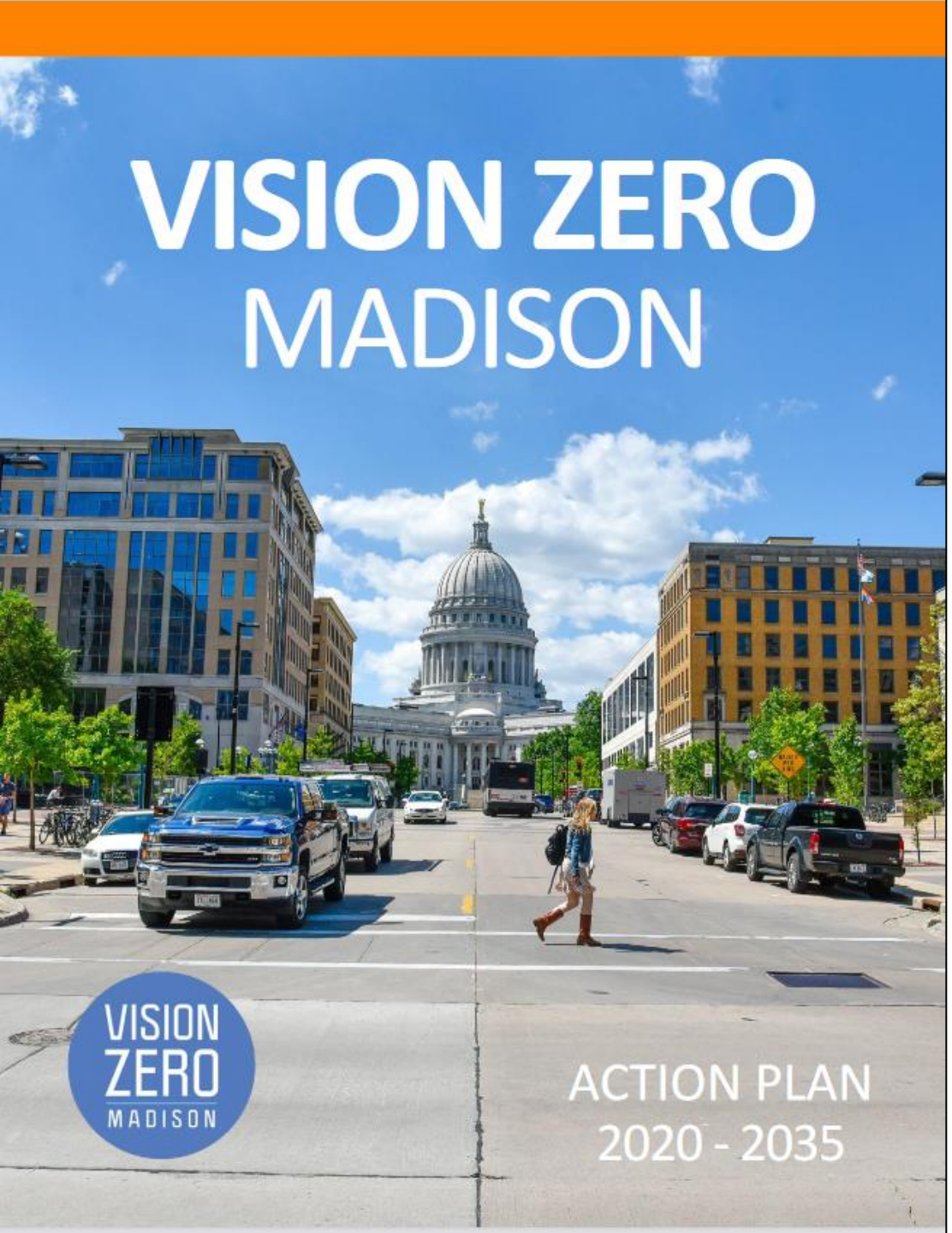
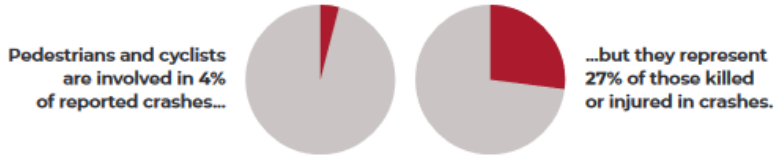


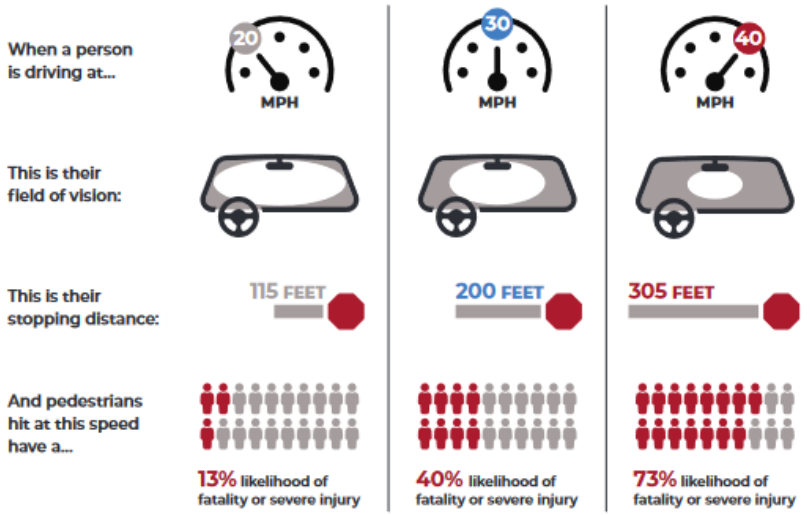
Why Vision Zero?

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



Vision Zero

- Initiative to eliminate traffic deaths and severe injuries on City streets by 2035
- Increase safe, healthy, equitable mobility for all ages and abilities
  - Rutledge Street is not on the High Injury Network
  - Since 2017, 5 reported crashes; all were property damage only
- Current conditions
  - The pedestrian network has sidewalk on each side of the street
  - Some crosswalks are marked
  - Not currently on Metro transit network
  - No marked bike facilities

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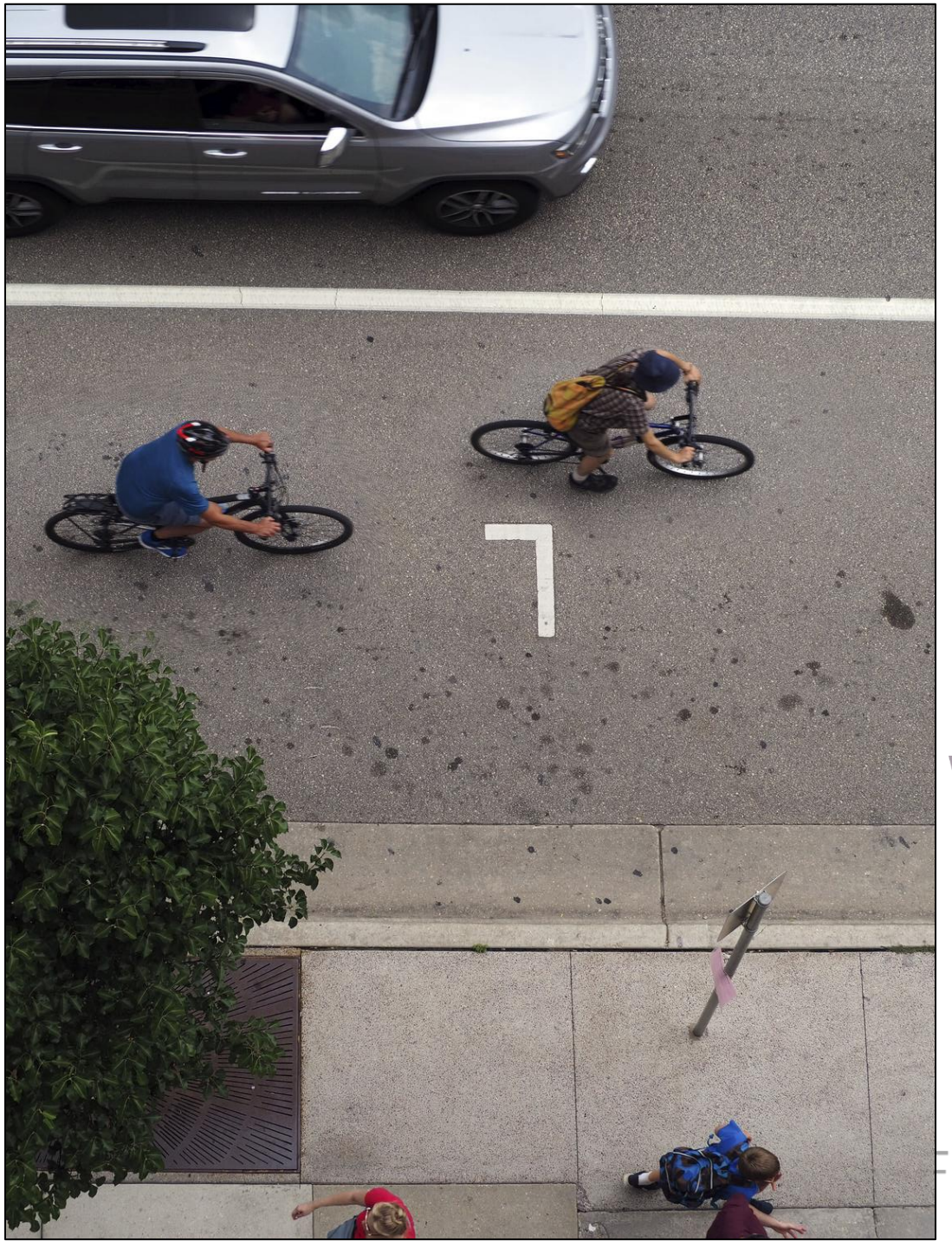
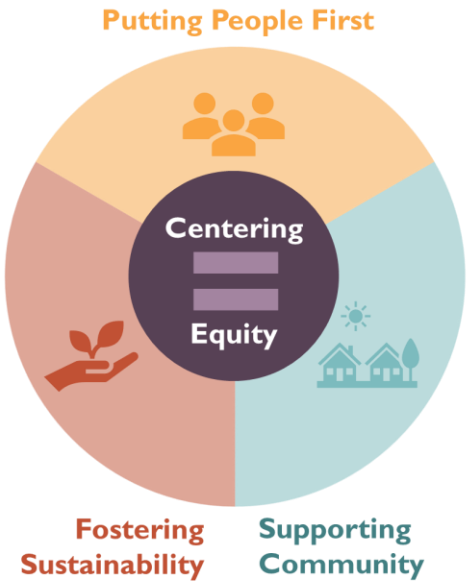
City of Madison

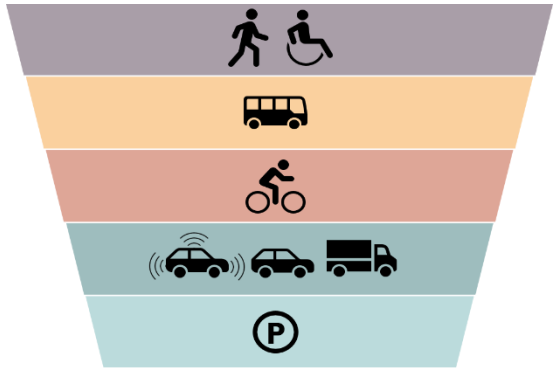
Complete Green Streets Guide



STREET VALUES



MODAL HIERARCHY



Approved January 6, 2023

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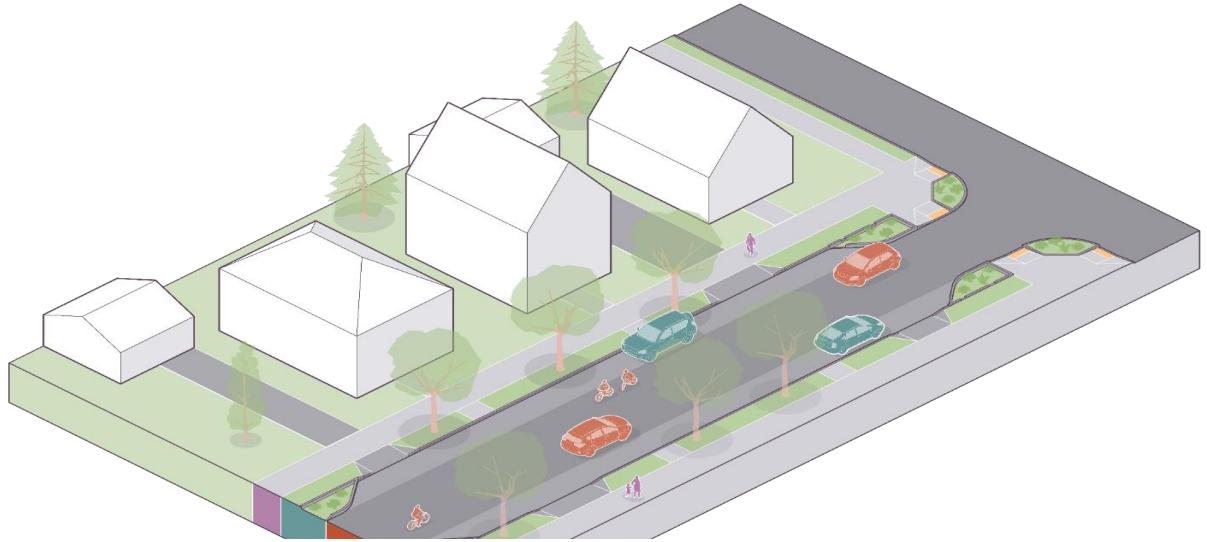
Principles of Complete Green Streets

- 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 Street

Context: Residential neighborhood
Description: Wider neighborhood streets. Includes some higher-traffic streets and transit routes that should be designed to prioritize neighborhood quality of life. Allows two drivers to pass each other without stopping.
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 canopy trees.	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 common.	Two-way travel without lane markings. No dedicated bikeway unless traffic volumes are above 3,000 ADT.	Speed management, parking demand to determine type and amount of on-street parking.

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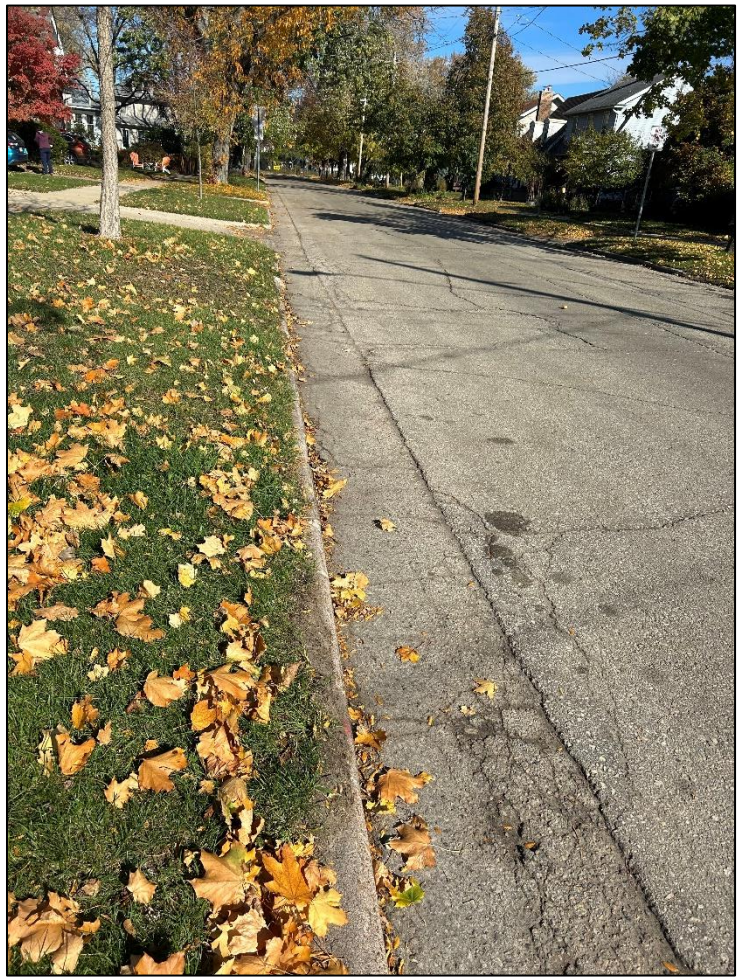
Existing Conditions – Rutledge Street

Item	Existing Condition (Riverside Dr- Division St)
Last Surfaced	1984
Pavement Surface Evaluation & Rating	5/10 – structural improvement required, over 50% of pavement is cracked & deteriorated
Curb Rating	2/10
Width	28’
Surface	60-Asphalt over concrete
Sidewalk	5’ wide, both sides
Sanitary	18” CI, 6”-8” VCP 1917 – located in the street
Water	10” Sand Cast Iron 1917 and Ductile Iron 2010, located on the street
Storm	VP 1917, HERCP 2009, RCP 2009/2010

Existing Conditions – Rutledge Street

Rutledge at Division/Lakeland

Rutledge looking west toward Riverside



Rutledge looking east toward Division

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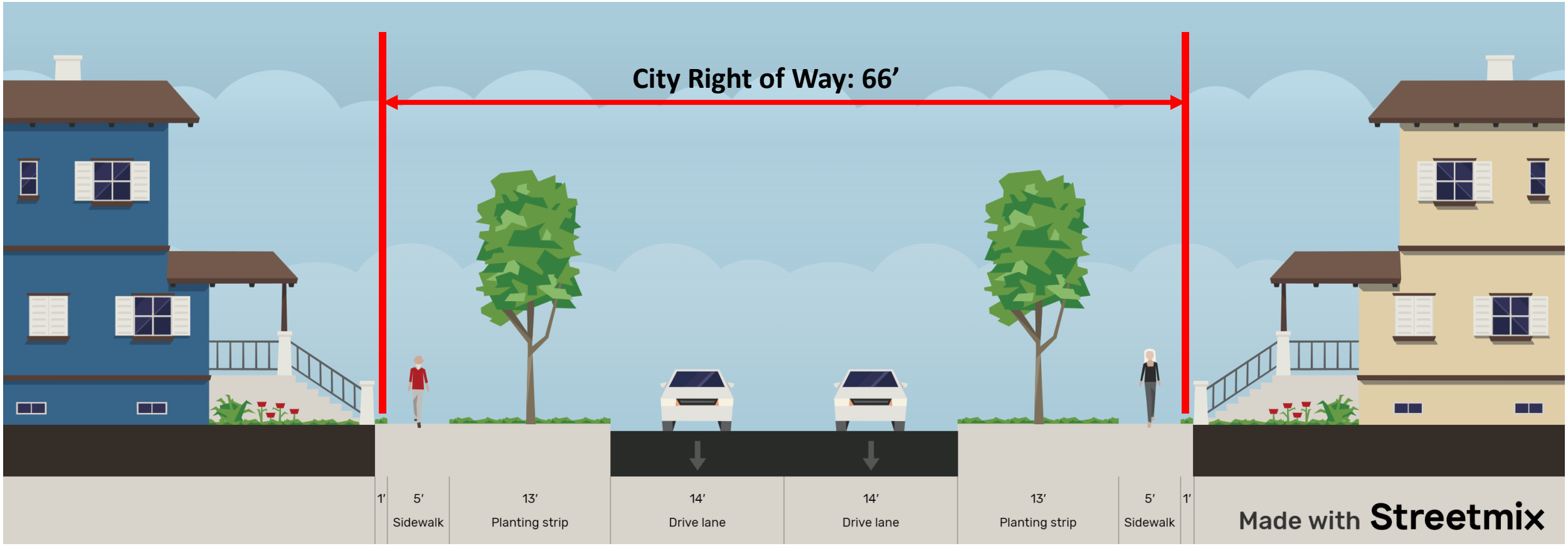
Proposed Street Design Options

- Option 1A – Riverside Drive to Division Street



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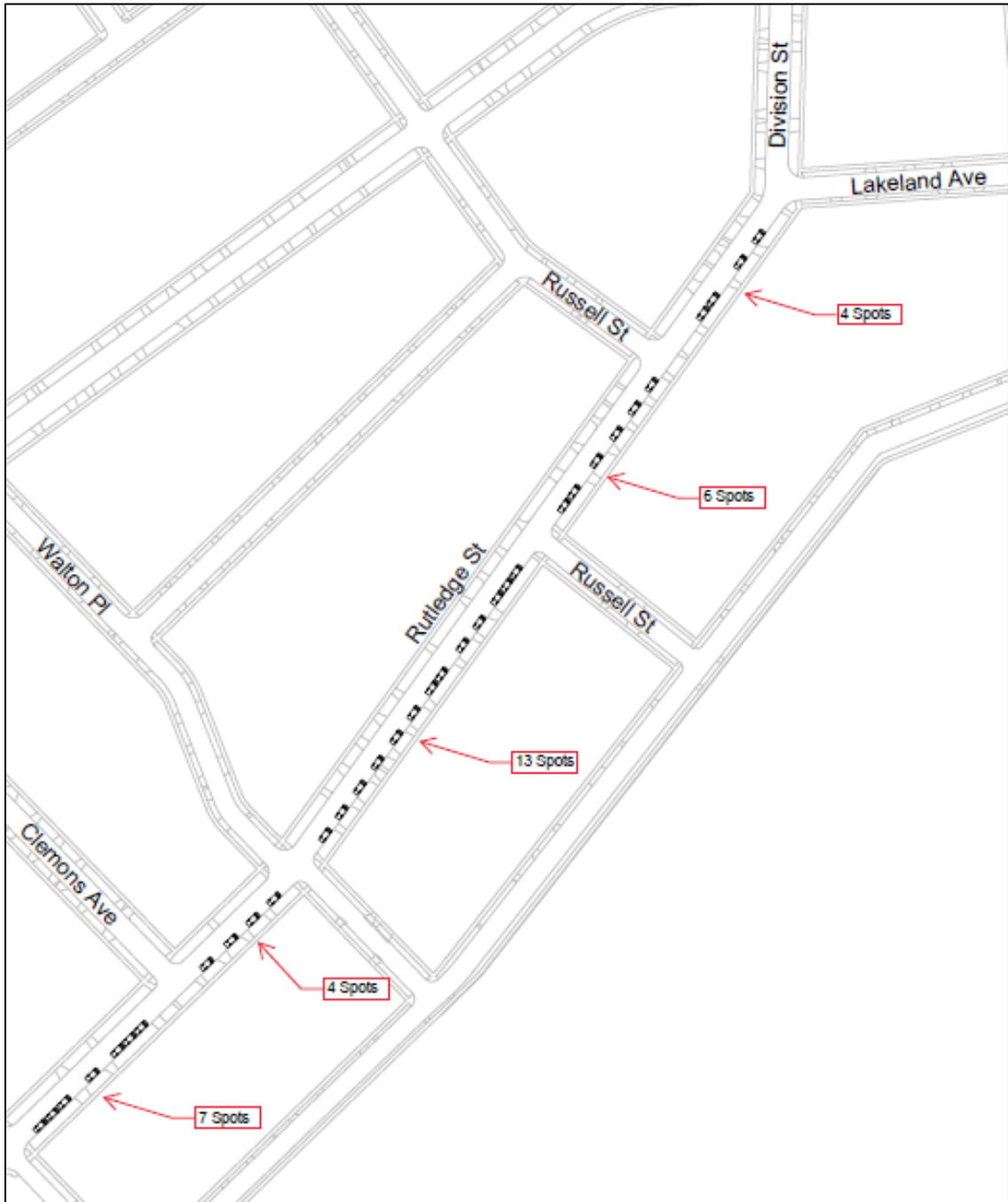
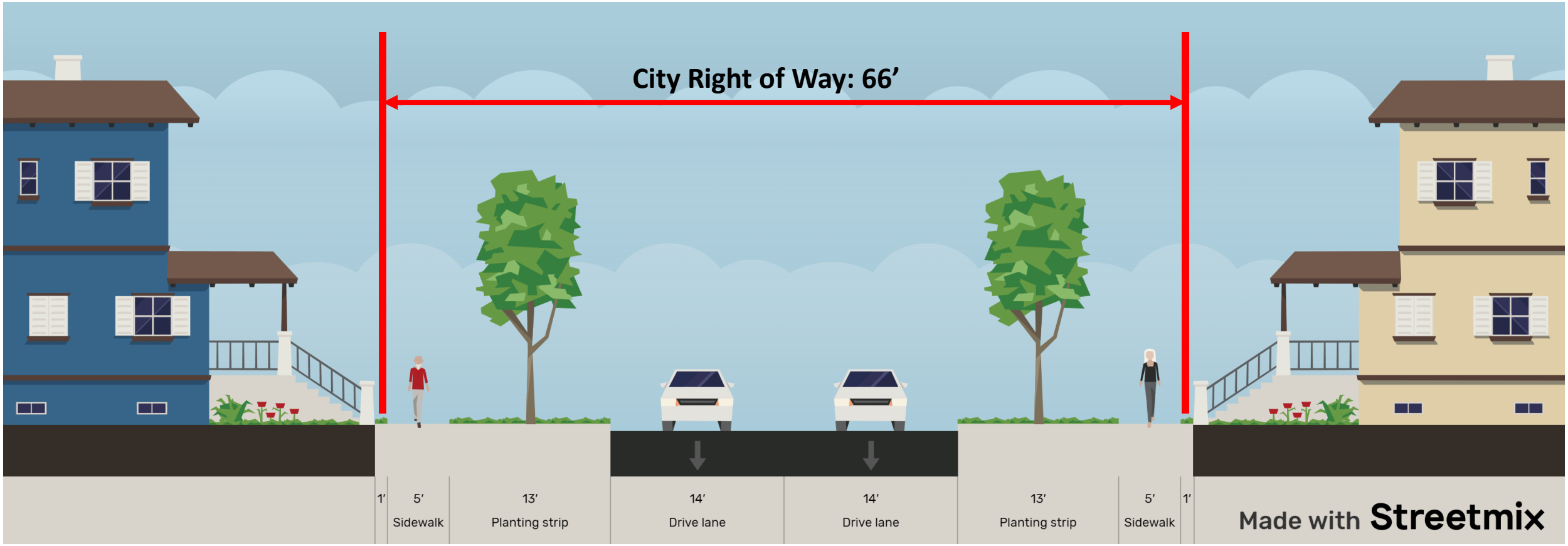
Proposed Street Design Options

- Option 1A – Riverside Drive to Division Street
  - 14’ vehicles lanes with curb & gutter
  - Replace driveway aprons
  - Spot replacement for sidewalks
  - Maintain trees in the right of way
  - On street parking will remain the same
    - Fitting 34 cars



Proposed Street Design Options

- Option 1B – Riverside Drive to Division Street



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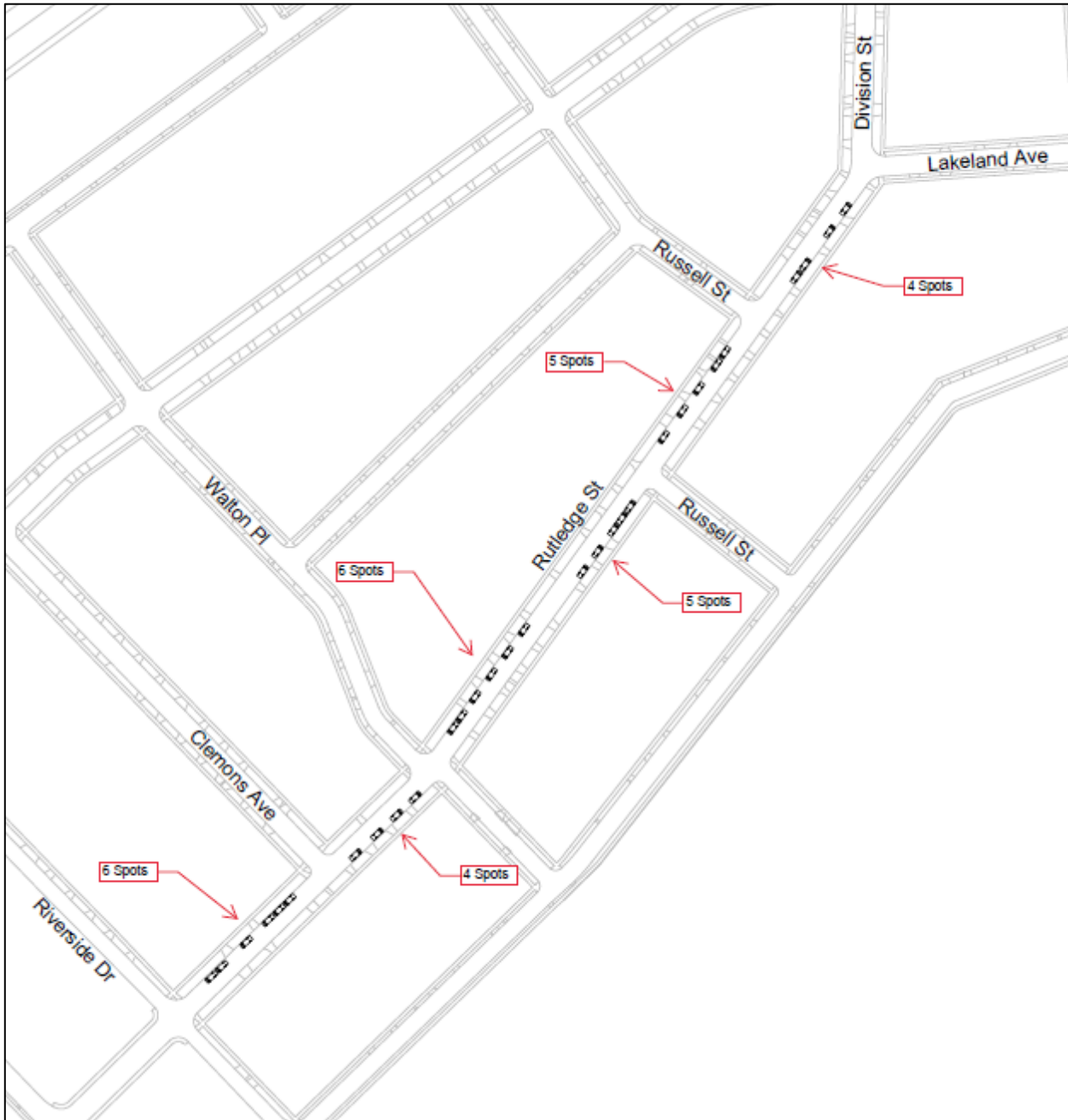
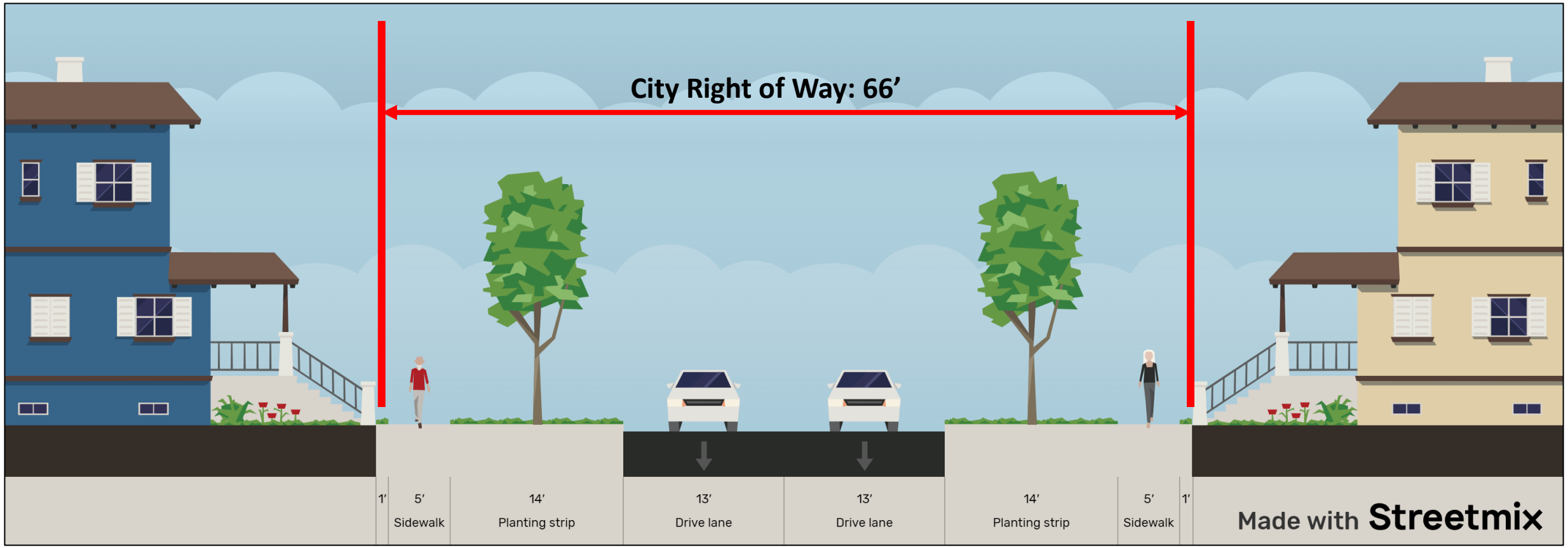
Proposed Street Design Options

- Option 1B: Riverside Drive to Division Street
  - 14’ vehicle lanes with curb & gutter
  - Replace driveway aprons
  - Spot replacement for sidewalk as needed
  - Maintain trees on the right of way
  - On street parking alternating per block
    - Fitting 25 cars per block
    - Traffic calming



Proposed Street Design Options

- Option 2A – Riverside Drive to Division Street



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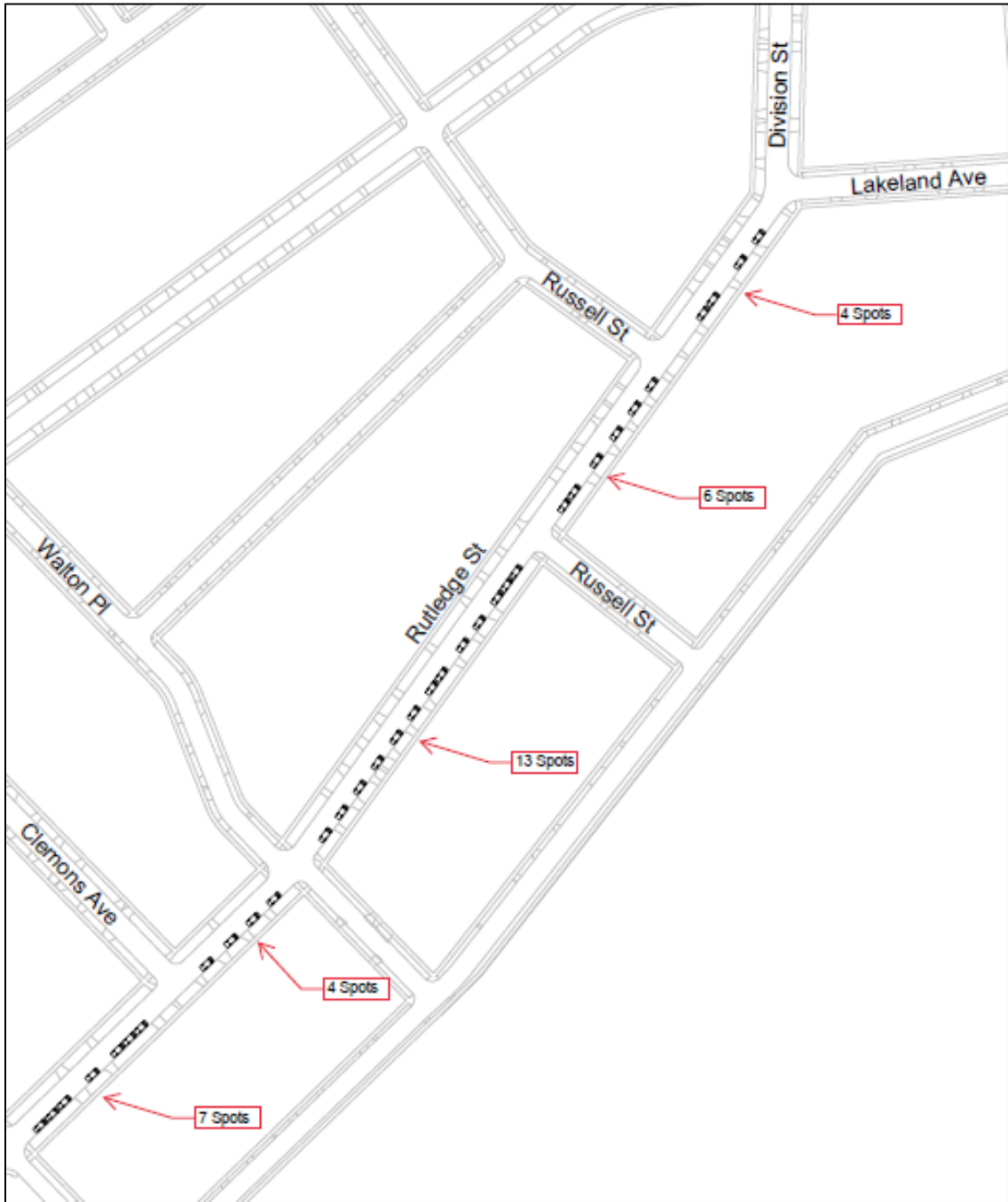
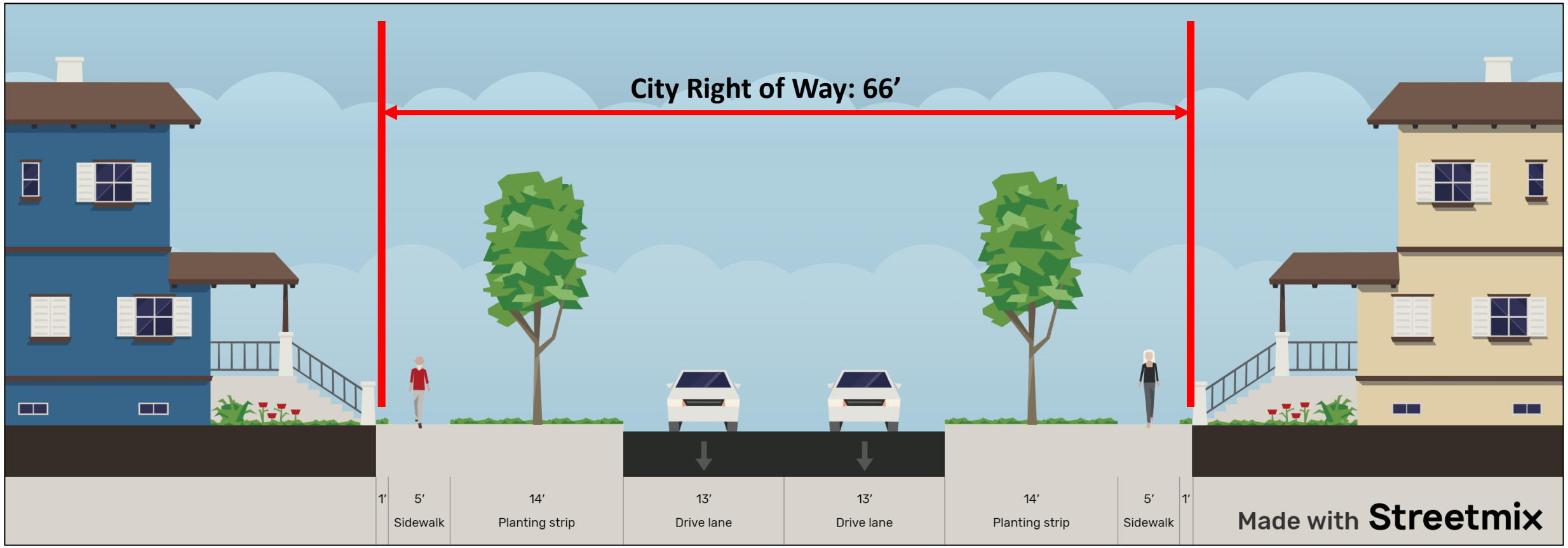
Proposed Street Design Options

- Option 2A – Riverside Drive to Division Street
  - 13’ vehicles lanes with curb & gutter
  - Spot replacement of sidewalk as needed
  - Replace driveway aprons
  - On street parking on one side fitting 34
  - Maintain trees in the right of way
  - Narrow street for lowering vehicle speeds
  - Provides and addition 1’ space for terraces on each side



Proposed Street Design Options

- Option 2B – Riverside Drive to Division Street



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Proposed Street Design Options

- Option 2B: Riverside Drive to Division Street
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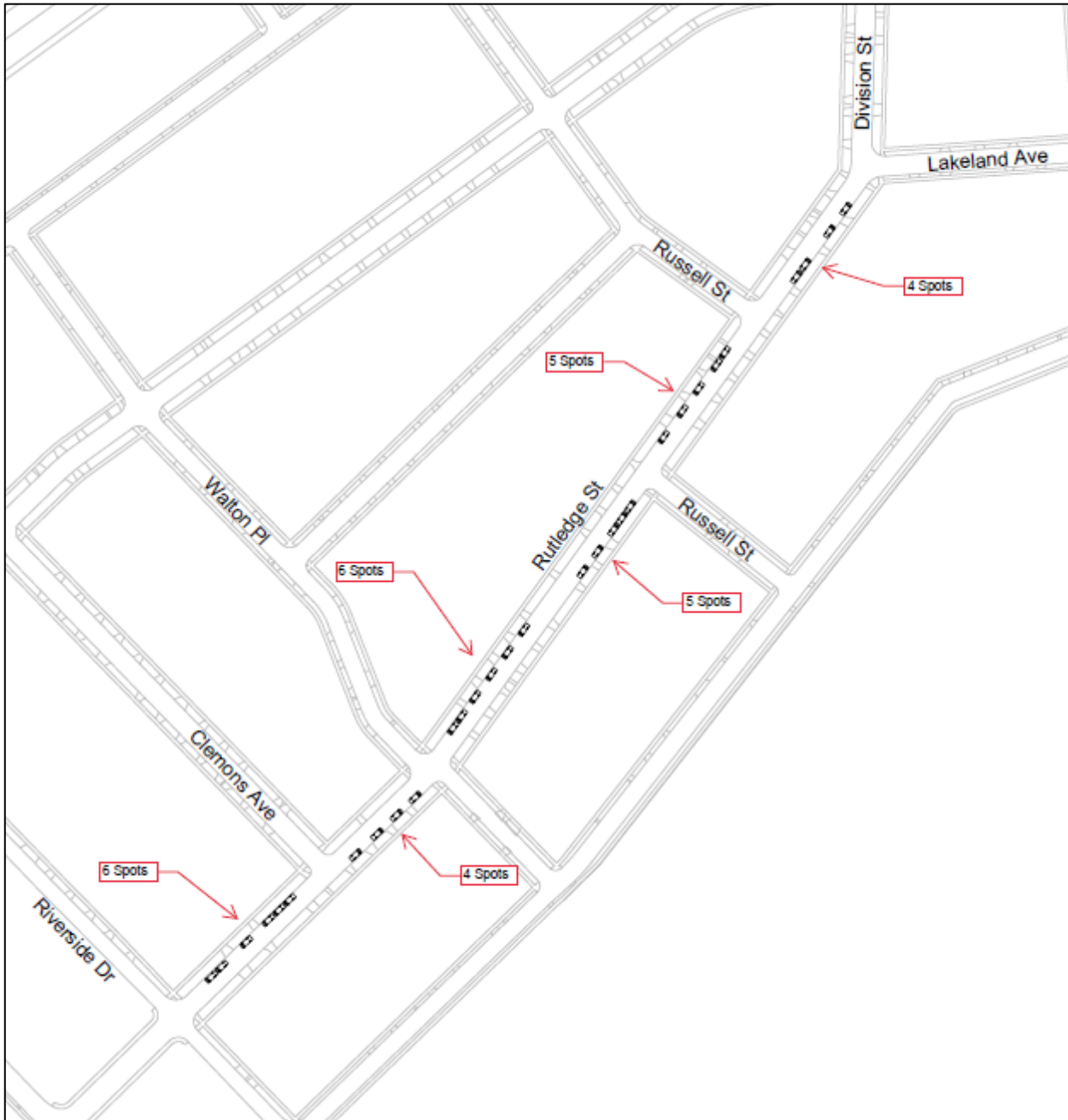

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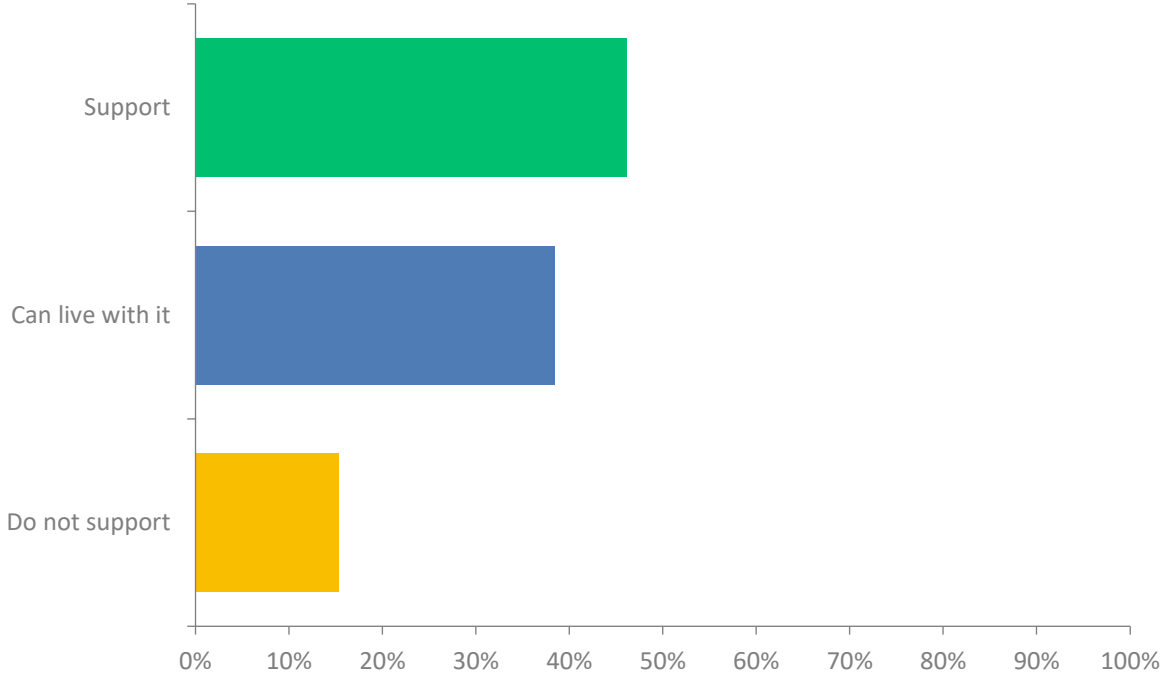
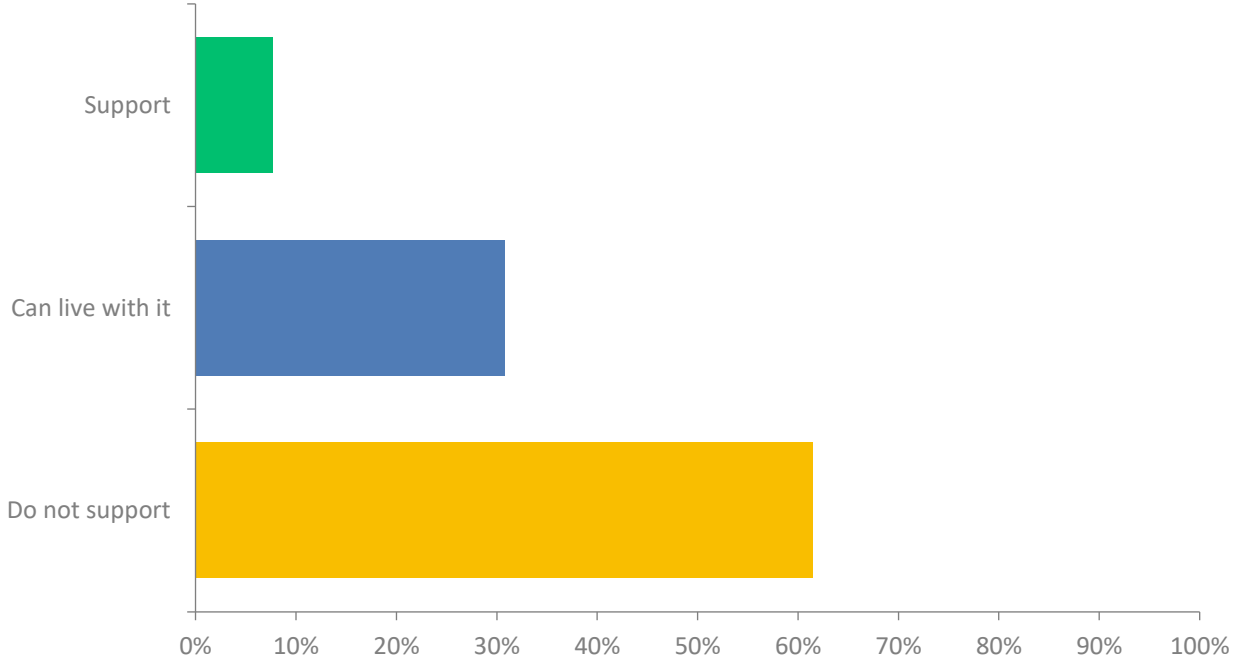
Questionnaire Results

- Design options preliminary results
  - 29 responses



Option 1A



Option 1B

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Questionnaire Results

- Design options preliminary results
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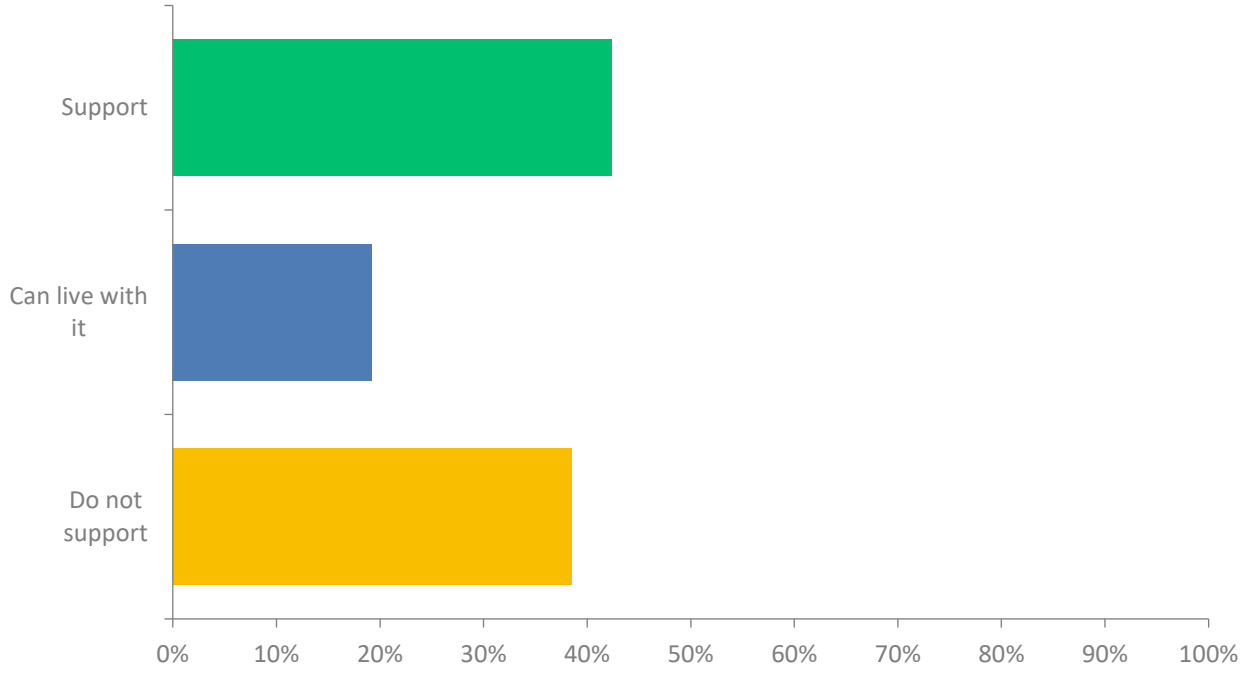
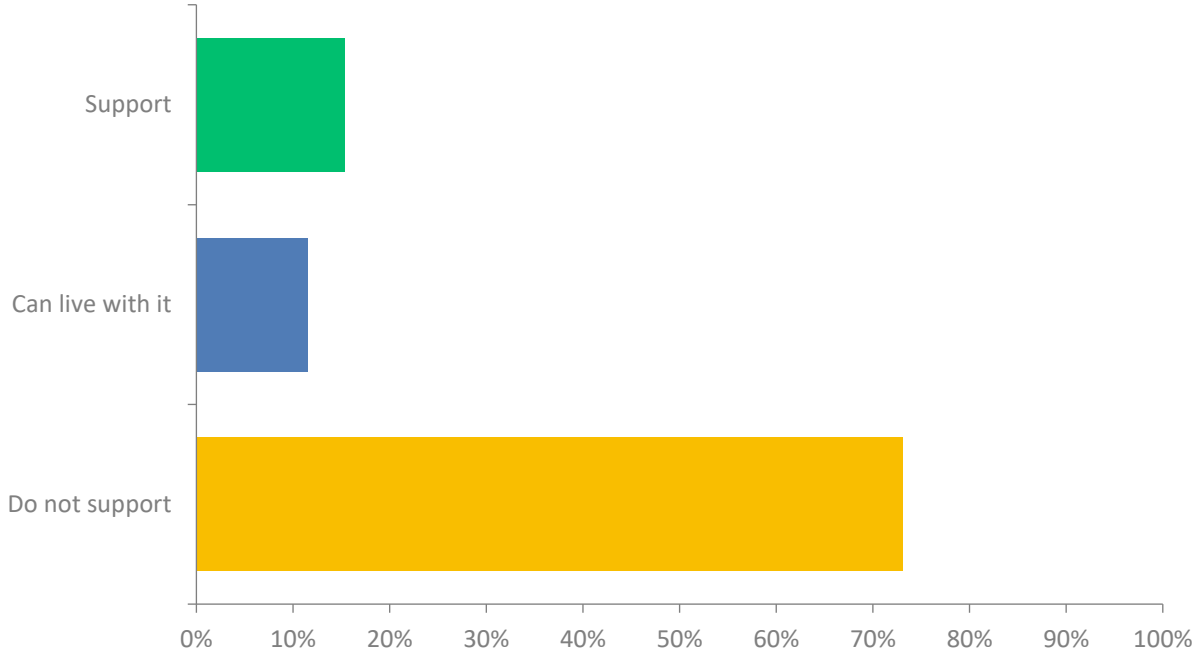


Option 2A



Option 2B

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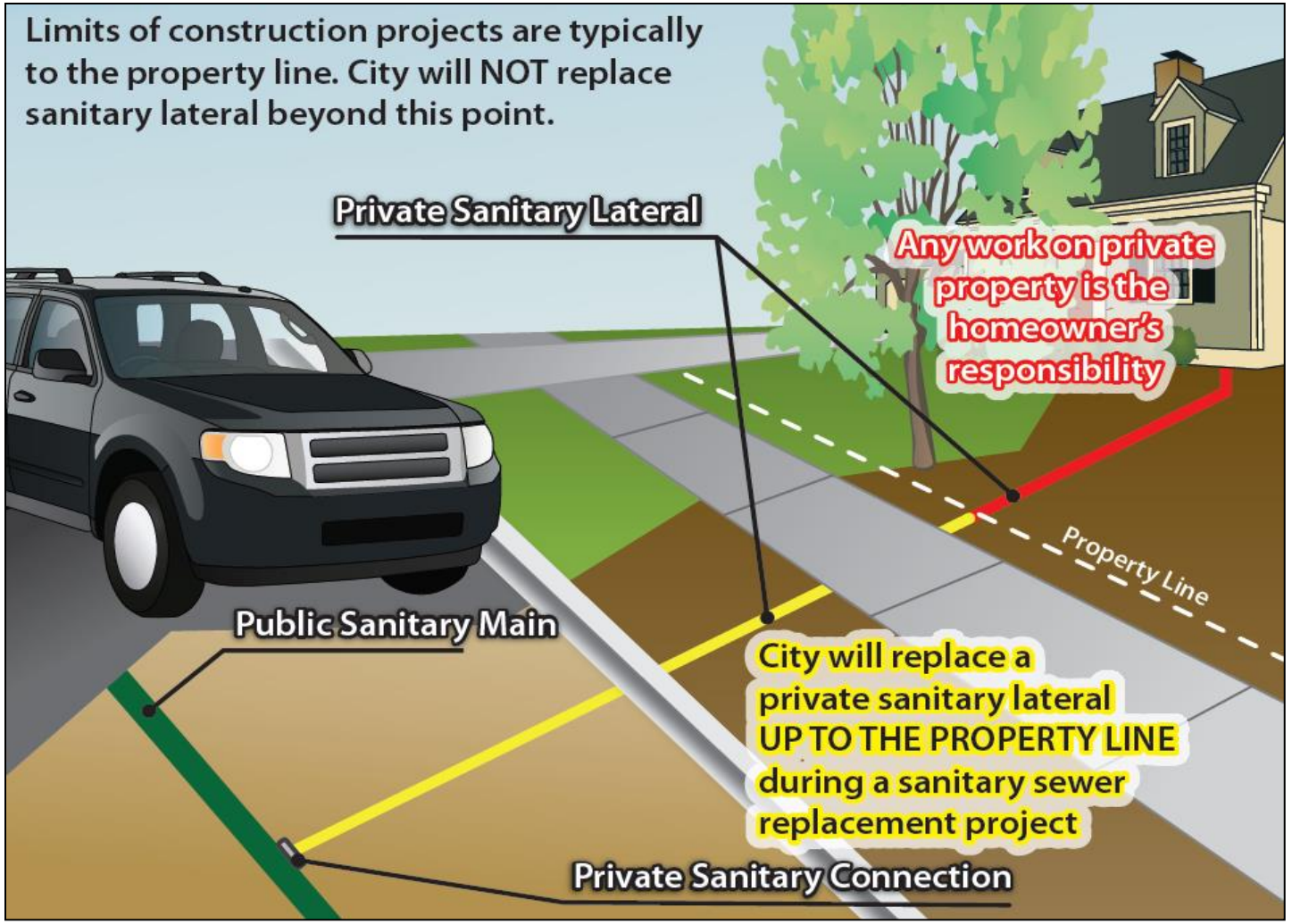
Proposed Utility Design

- Rutledge Street
  - Replacement and upsize Sanitary Sewer
    - North side form Riverside Dr to Clemons Pl
    - From Russel St to Division St
  - Replacement and upsize of storm sewer
    - From Russell St to Russell St to 36”-42”
    - From Clemons Ave to Walton PL to 18”-21”
  - Replacement of sanitary sewer & laterals (1917)
  - Replacement of water main (1917/2010)
    - Relocate hydrants as needed
  - Rain gardens
  - Existing street lighting to remain

Proposed Utility Design – Sewer Lateral

- Sanitary Sewer Lateral Installation
  - Replace to property line
  - Laterals will be reconnected
  - Work beyond the property line is the homeowner's responsibility



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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
- Residents receive $5 off Municipal services bill each month.

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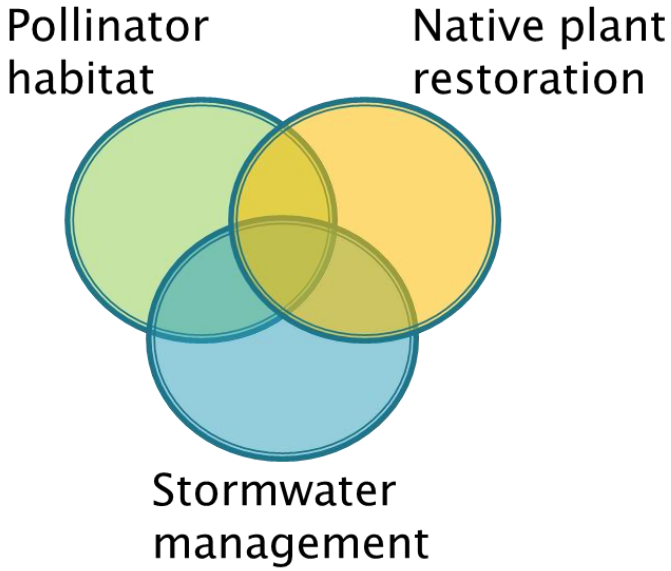
Learn more at: www.cityofmadison.com/TerraceRainGardens

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 groundwater 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.

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Terrace Rain Gardens

- Criteria
  - Terrace (area between curb & sidewalk) must be at least 10 feet wide
  - At least be 15 feet long
  - Rain garden to be at least 10 feet from small trees, 15 feet from large trees
  - Driveways and sidewalk ramps need to be at least 4 feet from edge of rain garden
  - Can’t obstruct intersection sight lines
  - Needs to overflow back into the curb, away from the sidewalk/house
  - Terraces cannot be to steep (in any direction)

Terrace Rain Garden

- Interested?
- City will determine whether or not your terrace is suitable
- Contact Sarah Lerner directly
  - Email: SLerner@cityofmadison.com
  - Phone: 608-261-8592

terrace rain garden

- You can learn more at: www.cityofmadison.com/TerraceRainGardens

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Forestry Information

- City Engineering has reviewed the project with City Forestry & a Forestry representative will work with the City design team, City Construction Inspector, and Contractor during construction
- There are a total of 65 trees within the right of way
- Tree priority score
  - 95 tree equity score, https://www.treeequityscore.org/
  - 32% canopy cover
  - Planting new trees
    - Low priority
  - Maintaining existing trees
    - Medium priority

Forestry Information

- Trees will be pruned prior to construction to provide required clearance above street
- Location of known tree removals
  - 11” N. Maple: 1848 Rutledge St
  - 2” Chinkapin Oak: 1834 Rutledge St
  - 15” Norway Maple: 1710 Rutledge St
  - 2” Dogwood: 2009 Rutledge St
- Methods of tree protection include:
  - Adjusting curb construction methods and vertical elevation of the street
  - Bends & limits of work for sewer laterals
- After project completion, Forestry will evaluate terrace for potential tree planting locations

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- Existing Conditions
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- Proposed Street Design Options
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- Forestry Information
- **Assessments Policy & Costs**
- Project Approve Schedule
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Assessment Policy & Costs

- Special charge for work being done that has a direct benefit to the property
- Preliminary assessments mailed during design phase
  - Based on estimated quantities
  - Unit prices for driveways, pavement reconstruction, and terrace walks items based on 2024 street improvements 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
- Assessment can be paid in lump sum or typical over 8 years with a 5% interest
- Final assessments are billed after project completion
  - Based measure quantities
  - Unit prices for driveways, pavement reconstruction, terrace walks will not change from preliminary
  - Unit prices for sanitary laterals and private sewer connections based on bid prices
  - Mailed in 2025

Assessment Policy & Costs

Rutledge Street

Item	Property Owner Share	City Share
10’ Pavement Replacement*	100%	0%
10’ Pavement Resurfacing*	100%	0%
Driveway Apron	50%	50%
Terrace Walk Replacement (between sidewalk & curb)	50%	50%
Sidewalk New/Replacement	0%	100%
Curb & Gutter New/Replacement	0%	100%
Intersection Curb & Pavement	0%	100%
Sanitary Sewer Main	0%	100%
Sanitary Sewer Lateral	25%	75%
Private Storm Connections (if any)	100%	0%

*Assessed per linear feet of frontage

Assessment Policy & Costs

- Approximate Rutledge Street property owner costs for items
  - Street Reconstruction
    - Approx. driveway apron replacement: $2,500
    - Approx. 10’ pavement replacement: $44.52 per ft.
      - 50% discount for corner lots
    - Approx. Sewer lateral replacement: $3,000.00
    - Estimate for 38 feet of lot frontage: $7,000-$8,000
  - Street Resurfacing
    - Approx. 10’ pavement resurfacing: $11.85 per ft.
    - Estimate for 45 feet of lot frontage: $500-$600
  - Sidewalk not assessed
  - Curb & gutter not assessed

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Project Approval Schedule

- January 17, 2024: Transportation Commission
  - Engineering staff will present street layout options for approval and seek a recommendation
- February 9, 2024: Mail Estimated Assessment
- February 21, 2024: Approving Plans, Specifications, and Assessments; Board of Public Works Hearing
  - Engineering staff will recommend a street layout option for approval
- March 5, 2024: Approving Plans, Specifications, and Assessments; Common Council Public Hearing

Construction & Access

- Closed to through traffic, local traffic only
- Residential driveways access will be maintained during most of construction 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
- High ground water levels while installing utilities
    - Need to run pumps and generators throughout the project
- An average of 2 planned water shut-offs are expected for each property
    - Up to 8 hours but usually about 4 hours
    - Residents will be notify 48 hours ahead of time
    - Occasionally emergency shut-offs if old main brakes
- Allowed working hours are 7:00 am to 7:00 pm Monday-Saturday, & 10:00 am to 7:00 pm Sundays
- Approximately 4-5 months to complete all work
- Construction: Summer – Fall 2024

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Next Steps

- Up coming opportunities for public involvement
  - Fill out the questionnaire
  - Sign-up for project email updates on the website
  - Transportation Commission meeting
  - Board of Public Works meeting
  - Common Council meeting
- Public notified via website updates and/or mailing
- https://www.cityofmadison.com/RutledgeStreetReconstruction

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Contact Information & Resources

Thank You for Attending!

- Questions
  - Please use the **"Q&A"** option at the bottom of the screen to type a question.
  - To ask a question verbally, click the **"raise hand"** option at the bottom of your screen and the host will unmute you.
- Engineering
  - Nashaly Gutierrez Vazquez, Project Engineer, 266-4414, Ngutierrez@cityofmadison.com
  - Andrew Zwieg P.E., Project Manager, 266-9219, azwieg@cityofmadison.com
  - Kyle Frank, Sewer Engineer, 266-4094, kfrank@cityofmadison.com
  - Nathan Mendez, Water Engineer, 266-4467, NMendez@madisonwater.org
  - Sarah Lerner, Rain Garden Contact, 261-8592, SLerner@cityofmadison.com
  - Hannah Mohelnitzky, Public Information Officer, 669-3560, hmohelnitzky@cityofmadison.com
- Traffic Engineering
  - Renee Callaway, Pedestrian Bicycle Administrator, 266-6225, ReCallaway@cityofmadison.com
  - Jeremy Nash, Traffic Engineer, 267-1102, JNash@cityofmadison.com
  - Project Website: https://www.cityofmadison.com/RutledgeStreetReconstruction
  - Questionnaire will remain open until 1/04/2024
  - Sign-up for project email updates on the website
    - Updates on the design process and construction progress will be posted to the project website
  - Recording for this meeting will be posted on project webpage

CITY OF MADISON