

Old Middleton Road Resurfacing - 2022

Public Information Meeting by City of Madison Engineering Division November 15, 2021

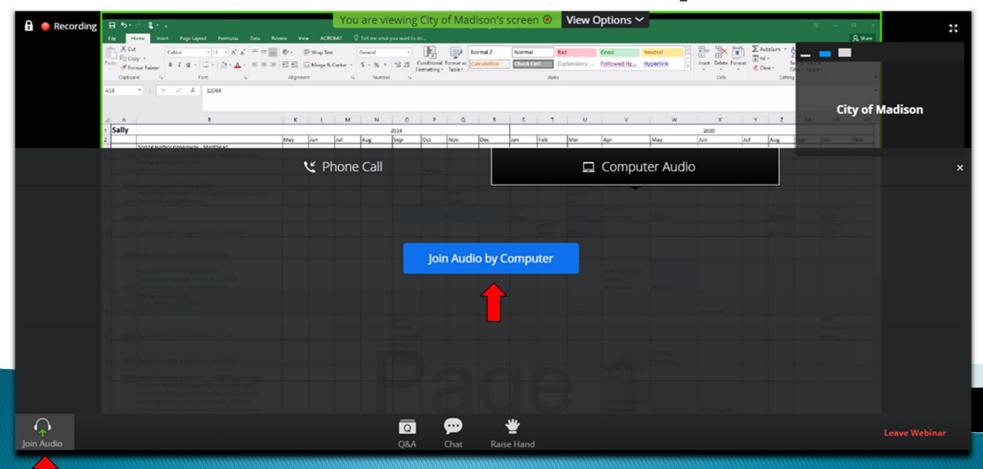
- ✓ This meeting will be <u>recorded</u> and posted to the City's project page.
- ✓ All attendees should stay be <u>muted</u> to keep background noise to a minimum.
- ✓ You may use the <u>"raise hand"</u> option at the bottom if you have something that required immediate clarification.
- ✓ Use "<u>chat</u>" option if you are having technical issues and a staff person can try to assist.
- ✓ Questions will be answered following the presentation. Use the "<u>raise hand"</u> button at the bottom to be un-muted in order to ask your question or use the "<u>Q&A</u>" option if you prefer to type your question. Inappropriate questions may be dismissed.



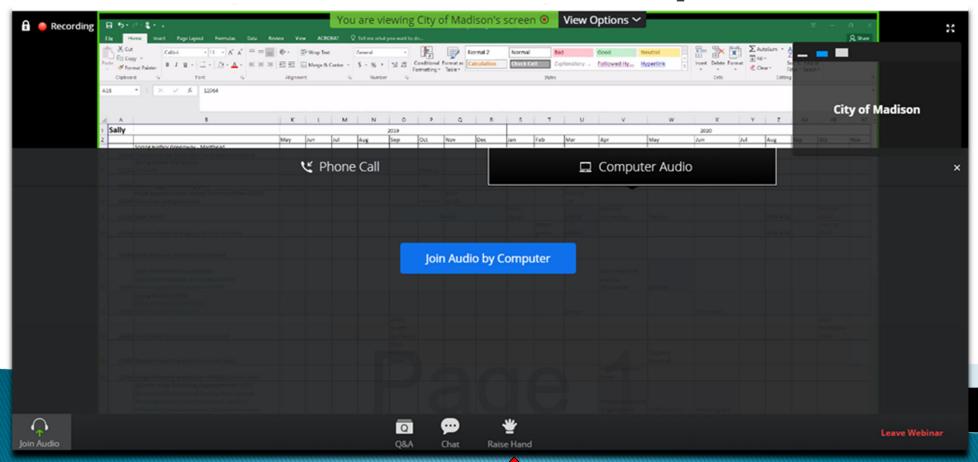
This meeting is being recorded. It is a public record subject to disclosure.

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



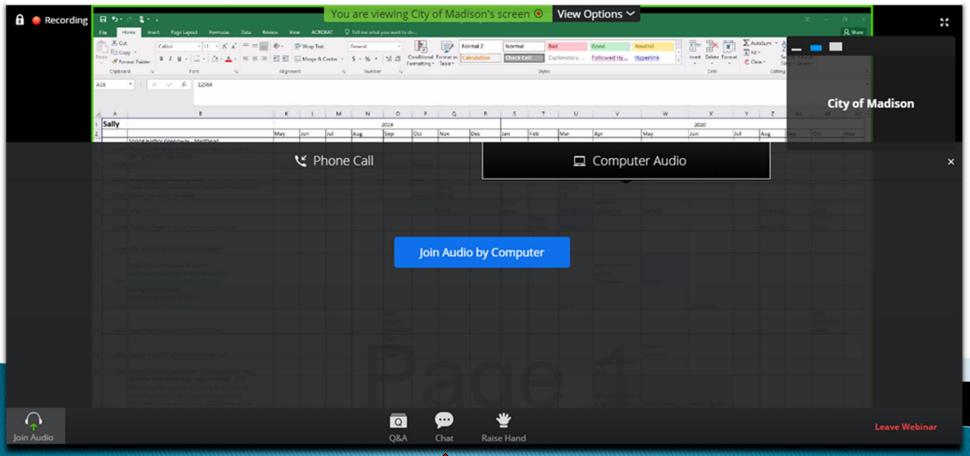






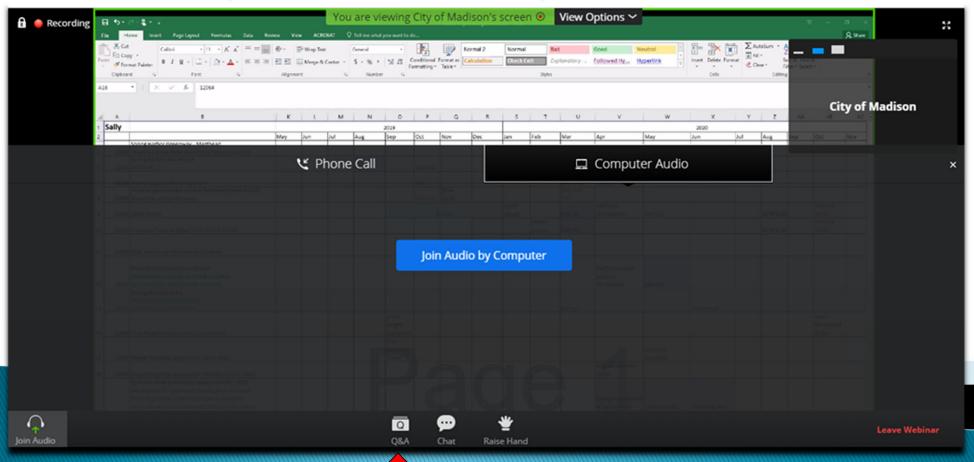
Raise your hand to be unmuted

For comments or ask additional questions.

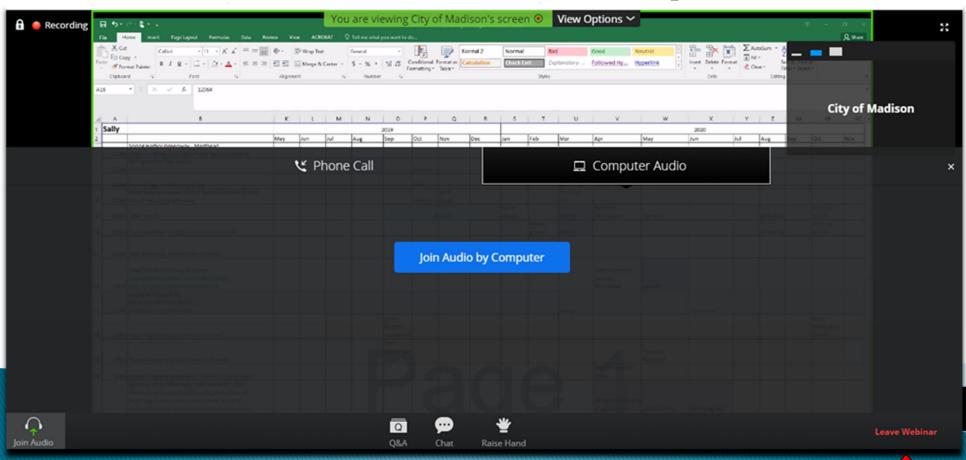




Use chat if you have technical issues or a question for the panelists







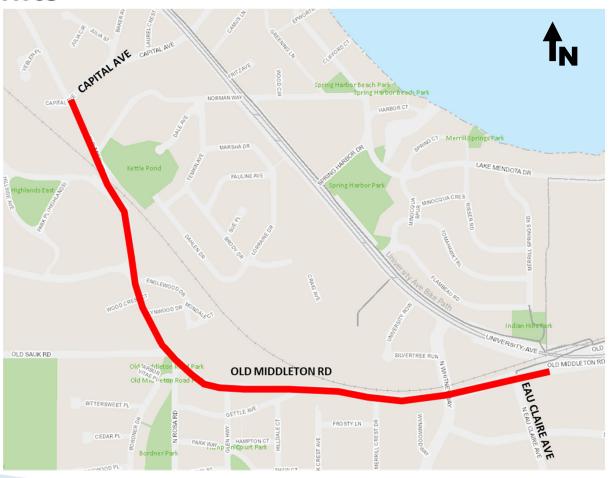
To leave the meeting click here

Preview of presentation

- Project limits
- > Existing conditions
- > Proposed scope of work
- City Policies and Adopted Plans
- Proposed Street Design
- Construction and Access
- > Assessment Policy and Cost
- Anticipated Project Schedule
- > Contact Information and Resources
- Questions/Input



Project Limits





- Capital to Old Sauk
 - Pavement Rating 4
 - Curb Rating 6
 - Street Width 40' Typical
 - R.O.W. Width 66' Typical
 - Sidewalk East side only
 - On-Street Parking Both sides except at Old Sauk and Old Middleton intersection
- Old Sauk to N Rosa
 - Pavement Rating 5
 - Curb Rating- 7
 - Street Width 57' Typical
 - R.O.W. Width Varies from 80' to 90'
 - Sidewalk Both sides
 - On-Street Parking None

Pavment Surface and Curb Evaluation Ratings	
Quality	Rating
Excellent	9-10
Good	7-8
Fair	5-6
Poor	3-4
Failed	1-2



- Rosa to N Whitney
 - Pavement Rating 5
 - Curb Rating- 7
 - Street Width 40' Typical
 - R.O.W. Width Varies from 66' to 80'
 - Sidewalk South side only
 - On-Street Parking South side only with restricted sections
- N Whitney to Eau Claire
 - Pavement Rating 5
 - Curb Rating- 7
 - Street Width 40' Typical
 - R.O.W. Width 116' Typical
 - Sidewalk South side only
 - On-Street Parking South side only with restricted sections

Pavment Surface and Curb Evaluation Ratings	
Quality	Rating
Excellent	9-10
Good	7-8
Fair	5-6
Poor	3-4
Failed	1-2





Old Middleton (Norman to Capital) - Northbound

Old Middleton/ S. Highlands intersection - Southbound





Old Middleton/ Gettle intersection - Northbound

Old Middleton (N. Whitney to Merrill) - Northbound



- Capital to Old Sauk
 - Sanitary
 - 1956 & 1958 Clay, 8" diameter
 - · Main located on backyards of easterly properties between N Highlands to S Highlands
 - · Properties served by sanitary sewer main off of backyards:
 - 5746 Old Middleton
 - 5740 Old Middleton
 - 5730 Old Middleton
 - 5722 Old Middleton
 - 5716 Old Middleton
 - 5714 Old Middleton
 - 5710 Old Middleton
 - Water
 - 1956 & 1958 Cast Iron, 6" diameter
 - Storm
 - 1966 RCP, 24" diameter



- Old Sauk to N Rosa
 - Sanitary
 - 1956 Clay, 8" diameter
 - Water
 - 1964 Cast Iron, 6" diameter
 - Storm
 - 1966 RCP, 24" diameter
 - Streetlight Conduit
 - Outdated poor condition



- Rosa to N Whitney
 - Sanitary
 - 1940, 1947, & 1966 Clay, Varies from 6" to 10" diameter
 - 1966 Cast Iron Force Main, 18" diameter
 - 1966 RCP Main, 18" diameter
 - Main located on backyards of southerly properties between N Rosa to Glen
 - · Properties served by sanitary sewer main off of backyards:
 - 5525 Old Middleton
 - 5521 Old Middleton
 - 5517 Old Middleton
 - 5513 Old Middleton
 - 5509 Old Middleton
 - 606 Glen Hwy
 - 613 Glen Hwy
 - 5449 Old Middleton
 - 5445 Old Middleton

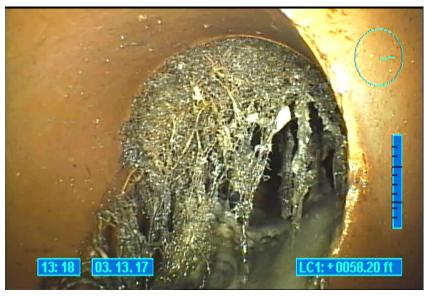


- Rosa to N Whitney (continued)
 - Water
 - 1960 Cast Iron, 6" diameter (N Rosa to Glen)
 - 1995 Ductile Iron, 8" diameter (Glen to Gettle)
 - 1959 Cast Iron, 8" diameter (Gettle to Merrill Crest)
 - 1975 Ductile Iron, 10" diameter (Merrill Crest to mid-block)
 - 1957 Cast Iron, 10" diameter (mid-block to N Whitney)
 - Storm
 - 1978 RCP, varies from 18" to 30" diameter (Gettle to Merrill Crest only)
 - 1961 RCP Storm Box (Old Middleton and Gettle intersection)



- N Whitney to Eau Claire
 - Sanitary
 - 1966 RCP, 21" diameter
 - Water
 - 1956 Cast Iron, 10" diameter
 - Storm
 - 1964 RCP, varies from 27" to 30" diameter
 - Traffic Signal & Streetlight Conduits
 - Outdated poor condition





Sanitary Sewer Main section between Capital and Norman.



Sanitary Main section between Capital and Norman.





Sanitary Main section between N. Highland and S Highland.



Sanitary Main section between N. Rosa and Glen.



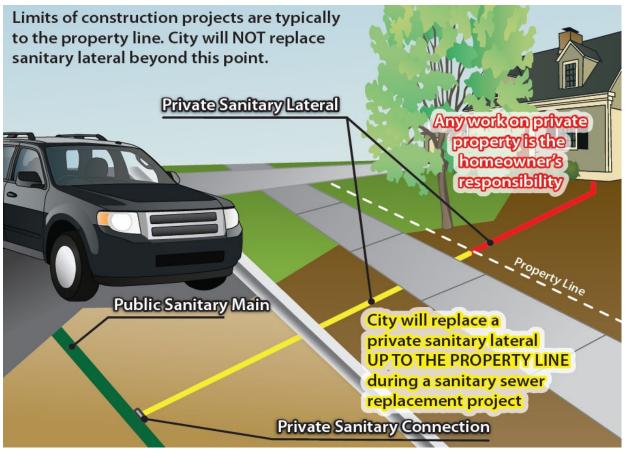
- Underground Utilities
 - Replace all sanitary sewer mains with new PVC pipes
 - Replace all sanitary sewer laterals with new 6" PVC pipes. Replacement is from new main to the property line
 - Properties served by backyard sanitary sewer main will be contacted individually by sewers design engineer if new main will be installed within the street
 - Replace damaged and outdated storm sewers and inlets
 - Install new storm sewer pipes and inlets where needed
 - · Water main will only be replaced at locations where conflict with new storm sewer is anticipated
 - Replace City streetlight segments and traffic signal at Old Middleton Rd & Whitney Way



Surface

- Replace all existing pavement and pavement base
- Replace curb, gutter, sidewalk, and driveway aprons in poor condition or as needed to replace a sanitary sewer lateral
- Install new pedestrian ramps in accordance with A.D.A. design standards
- Install new concrete pads at grassed Metro Transit bus stops
- Install new pavement markings







- > 7 terrace trees in total have been identified for removal due poor condition
 - 5315 Old Middleton Rd- 20" Littleleaf Linden
 - 510 Merrill Crest- 19" Littleleaf Linden
 - 5321 Old Middleton Rd- 10" Littleleaf Linden
 - 4 trees at 1509 Capital Ave- 4" Norway Maple, 5" and 6" Basswood, and 6" Siberian Elm
- > Trees with painted yellow dots will be removed due to health condition or due to conflict with the proposed reconstruction
- > Forestry staff will evaluate new tree locations after the project is completed



- Terrace Rain Gardens
 - Collects runoff from road
 - Planted with native vegetation
 - Constructed and planted by City
 - Maintained by residents
 - \$200 cost to residents
 - The terrace must have a minimum area of 10' X 15' in a relatively flat, open space away from trees and utilities.
 - Contact Carissa Wegner to evaluate site conditions if interested
 - Email: cwegner@cityofmadison.com
 - Phone: (608) 261-9822



Learn more at: www.cityofmadison.com/TerraceRainGardens



Project Goals - Safety and Connectivity









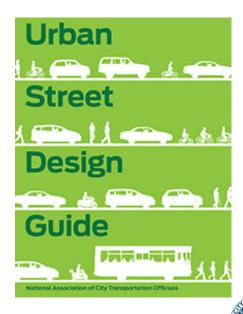
- Safety for all users
 - Street design that focuses on improving safety and slowing speeds
- Improve the bicycle route network
 - Provide a network for cyclists of all ages & abilities
 - Increase number of people biking
- Improve pedestrian network
 - Improve street crossings
 - Improve overall feeling of comfort while walking
 - Increase accessibility for all abilities
 - Increase number of people walking



What informs our street design?

- Policies and plans help prioritize and guide designs to provide safe transportation options for everyone
- Variety of City policies, plans, reports and organizations guide street design
 - Complete Streets
 - Madison in Motion
 - Comprehensive plan
 - Pedestrian and Bicycle Plans
 - Vision Zero
 - NACTO Member City







Complete Streets

Complete Streets are streets designed and operated to enable safe use and support mobility for all users including people walking, biking, taking transit and driving.





2009 City Council Resolution Reaffirmed a commitment to Complete Streets.

 Reaffirming the City's commitment to Complete Streets and directing staff of various agencies to follow to the extent possible Complete Streets concepts for all and street reconstruction projects.

Complete Green Streets Planning Project

- Project to develop a Complete Green Streets Plan that helps policy makers assign priorities in the public right of way.
- The plan will consider network connectivity for different travel modes, parking/loading needs, context of the street location and green infrastructure priority areas.





2017 Madison in Motion Transportation Plan

- Expand Mobility Choices: Expand transportation infrastructure to support a greater range of options for all user types.
- Create transportation equity for all residents: The future transportation system must address the needs of all users.

2018 Imagine Madison Comprehensive Plan

- Ensure all populations benefit from the City's transportation investments.
- Expand and improve the city's pedestrian & bicycle network to establish safe and convenient active transportation.





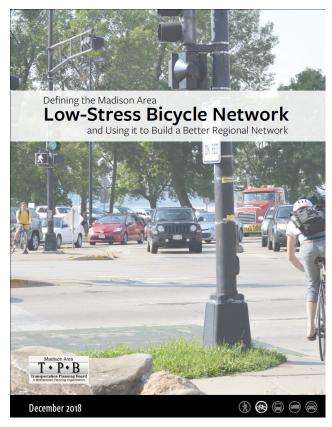


2015 Bicycle Plan for Madison Metro Area & Dane County

 Vision includes "safe, convenient, and enjoyable bicycle network that is accessible and comfortable for individuals of all ages, races, backgrounds, and abilities."

Low Stress Bicycle Network Evaluation

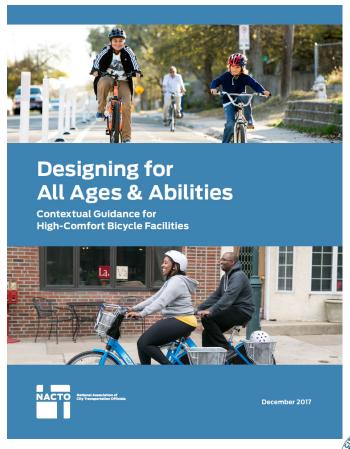
 A data-driven approach to evaluating the trafficrelated stress based on roadway design, traffic volumes, speeds and other factors. This evaluation looks at routes based on how an average person would feel riding a bicycle in that environment.





NACTO Member

- National Association of City Transportation Officials (NACTO)
- NACTO produces a variety of design guides to advance the practice of urban transportation planning.
- Focus is building streets that safely accommodate all road users, including people traveling on foot, bike, and on transit.







Vision Zero Initiative

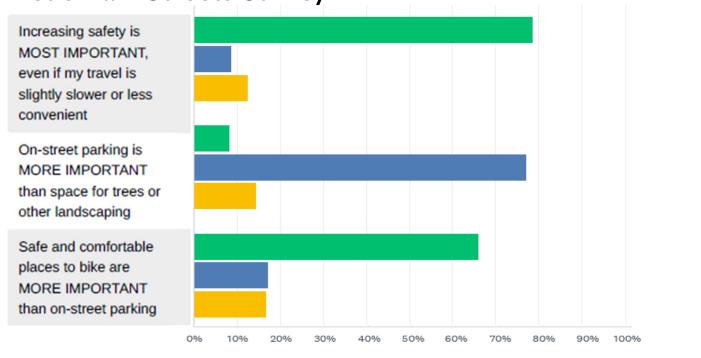
- Eliminate all fatal and serious injuries by 2030
- Emphasis on smart street design and operations to account for human error









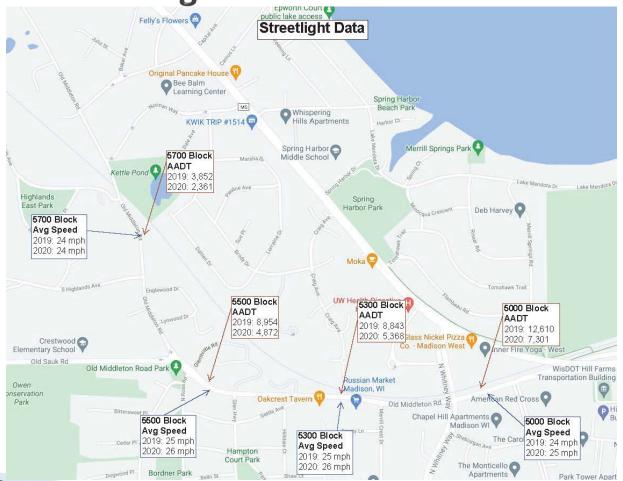




Disagree

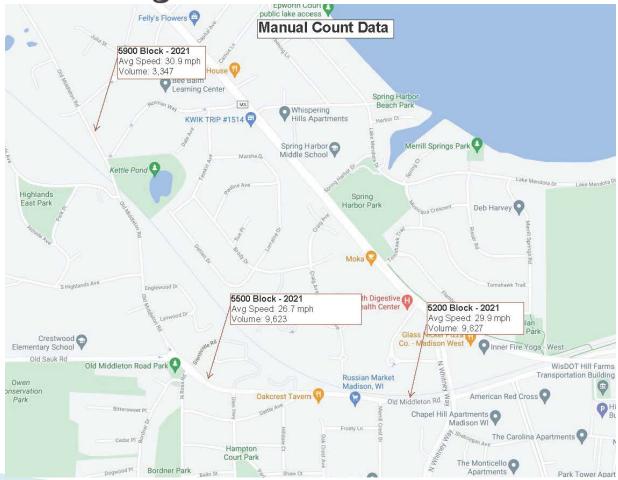
Proposed Street Design

Streetlight Data



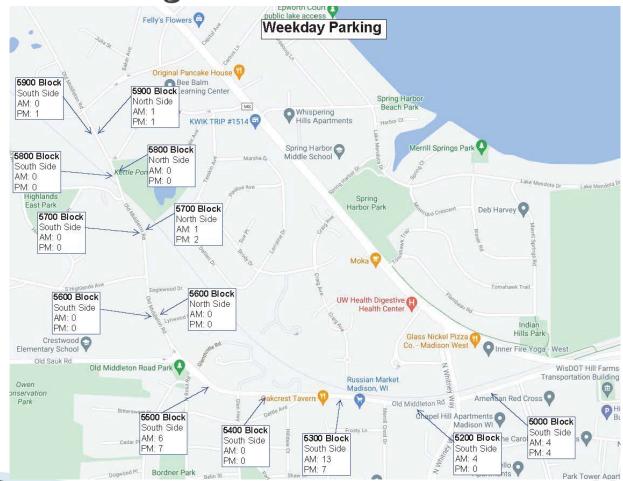


Tube Count Data



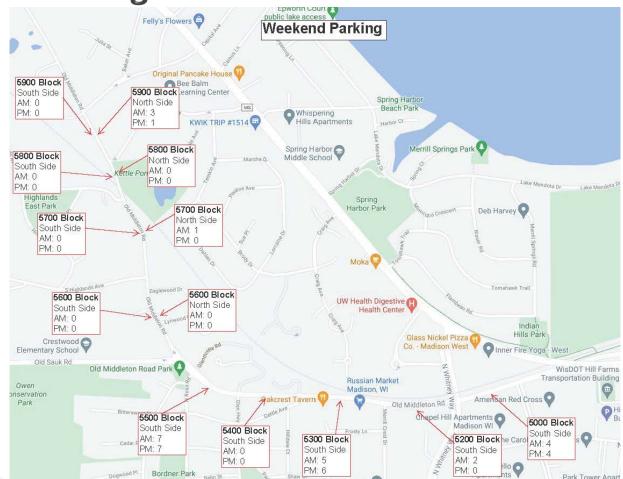


Parking – Weekday Current Conditions





Parking – Weekend Current Conditions





Sidewalks - Current Conditions

- Eau Claire to Rosa Rd
 - Sidewalk along south side only
- Rosa Rd to Old Sauk Rd
 - Sidewalk on both sides
 - Rapid Flash Beacon at Rosa Rd (crossing guard location)
- Old Sauk Rd to Capital
 - Sidewalk along north side only
- Capital Ave to Middleton border
 - Sidewalk along one side only





Old Middleton Rd – Bicycle Usage

▶ In the top 10% of primary/secondary bike routes based on usage

East/west bike routes (west of Midvale & north of Mineral Point Rd)

ranked by relative usage

- 1. Blackhawk Path to Old Middleton Rd
- 2. Regent St to Whitney Way
- 3. Blackhawk Path to University Ave Path
- 4. Lake Mendota Dr
- 5. South Hill Dr



*Based on Streetlight Data from March-September 2019



Proposed Street Design Contextual Guidance for Selecting All Ages & Abilities Bikeways

Eau Claire to Old Sauk Rd

- 30 mph (reduce to 25 mph)
- 12,000 ADT
- Single lane each direction

Old Sauk Rd to Capital Ave

- 30 mph (reduce to 25mph)
- 6,000 ADT
- Single Lane each direction

	All Ages & Abilities				
Target Motor Vehicle Speed [*]	Target Motor Vehicle Volume (ADT)	Motor Vehicle Lanes	Key Operational Considerations	Bicycle Facility	
Any		Any	Any of the following: high curbside activity, frequent buses, motor vehicle congestion, or turning conflicts [‡]	Protected Bicycle Lane	
< 10 mph	Less relevant	No centerline, or single lane one-way	Pedestrians share the roadway	Shared Street	
≤ 20 mph	≤ 1,000 − 2,000		< 50 motor vehicles per hour in the peak direction at peak hour	Bicycle Boulevard	
	≤ 500 − 1,500				
≤ 25 mph	≤ 1,500 – 3,000	Single lane each direction, or single lane one-way	Low curbside activity, or low congestion pressure	Conventional or Buffered Bicycle Lane, or Protected Bicycle Lane	
	≤ 3,000 − 6,000			Buffered or Protected Bicycle Lane	
	Greater than 6,000			Protected Bicycle Lane	
	Any	Multiple lanes per direction			
Greater than 26 mph [†]	≤ 6,000	Single lane each direction	Low curbside activity, or low congestion pressure	Protected Bicycle Lane, or Reduce Speed	
		Multiple lanes per direction		Protected Bicycle Lane, o Reduce to Single Lane & Reduce Speed	



Choosing a bicycle facility for all ages & abilities

LTS 1 **2**

IS 3 LTS **4**

INTERESTED of CONCERNED

LTS 1 is a level that most children & their parents would find comfortable and safe for riding.



INTERESTED of CONCERNED

LTS 2 bicycle riders are representative of a typical mainstream adult & can accept some degree of stress while riding along a roadway.



ENTHUSED M CONFIDENT

LTS 3 bicycle riders can tolerate some stress even though they may prefer to ride with a lower level of traffic stress.



STRONG = FEARLESS

LTS 4 is tolerated for any significant distance only by "strong and fearless" bicycle riders who are comfortable riding in a mixed-traffic environment.



Choosing a bicycle facility for all ages & abilities

LESS COMFORTABLE



MAJOR STREET

SHARED USE LANE



PAINT BUFFERED BIKE LANE

MORE COMFORTABLE







OFF-STREET



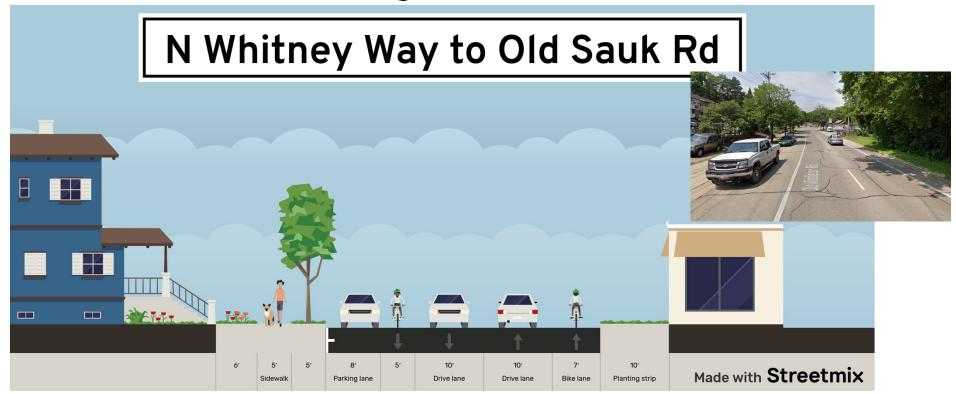
Existing Cross Section





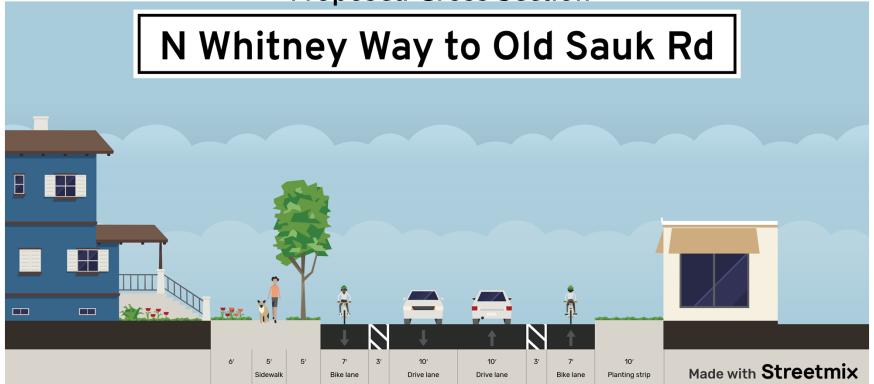


Existing Cross Section



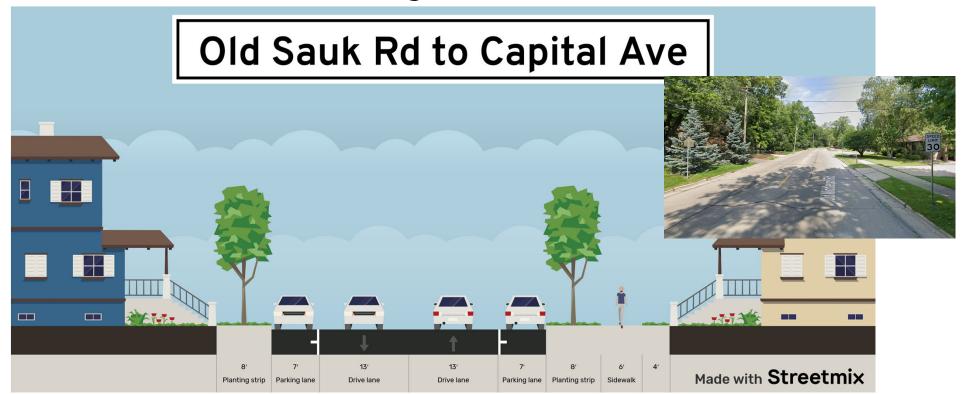


Proposed Cross Section



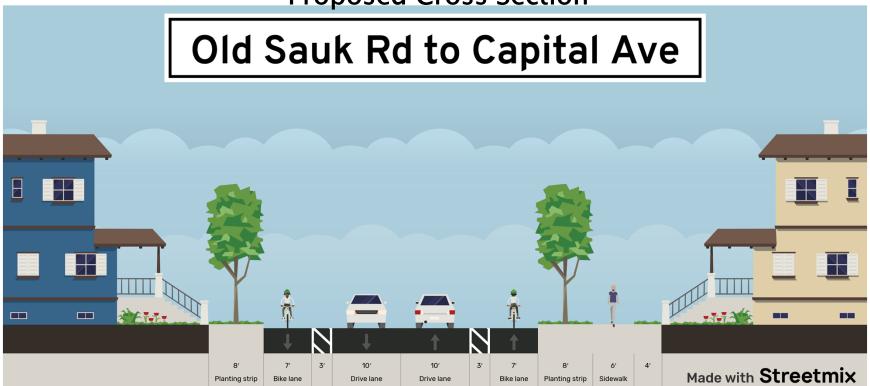


Existing Cross Section





Proposed Cross Section





Proposed Bike Facility - Buffered Bike Lanes

- Advantages
 - Allows more space for correction if a car drifts into the bike lane
 - Provides more space for bicyclists without it appearing as another travel lane
 - Removes concern over being hit by an opening car door
 - Makes it easier for cars to pass bicyclists with required 3 feet of distance
 - Ability to add protection (bollards or similar) to further increase safety





Proposed Street Design
Proposed Bike Facility - Buffered Bike Lane



Milwaukee Street



Dutch Mill Road



Potential Intersection Improvements

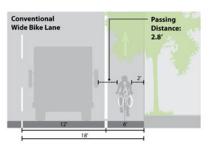
- N Eau Claire Ave
 - Enhance green pavement markings
 - Keep current left turn lane or remove left turn lane & add buffered bike lane & green turn box
- N Whitney Way
 - Enhance green pavement markings
 - Corner islands separating peds/bikes from vehicles – if space
 - Continental crosswalks
- Old Sauk Rd
 - Enhance green pavement markings
 - Improve crosswalks



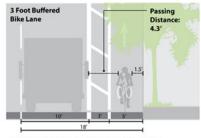


Potential Project-Wide Improvements

- Bus stop accessibility improvements throughout the whole corridor
- Curb ramps to ADA standards
- Reduce pedestrian crossing length and enhanced visibility crosswalks
- Buffered bike lanes
- Traffic calming will be reviewed between Old Sauk Rd and Capital Ave
 - Islands, speed humps







Measurements assume 10.5' vehicle width and 2' bicyclist width, operating in the center of their lanes.



Construction and Access

- > Construction is expected to begin on April, 2022 and have a duration of approximately 6 months
- > Residents, property and business owners will be notified 2 weeks prior the start of construction
- Local traffic will remain open during construction except during paving operations.
- Residential driveways may be closed up to 20 days for concrete installation, can be closed a couple of hours if driveway apron removal is required in order to replace a sewer lateral
- Access to commercial driveways shall be maintained at all times during construction.
- Allowed working hours are 7:00 am to 7:00 pm Monday Saturday and 10:00 am to 7:00 pm Sundays
 - Limited weekend work anticipated
- On street parking will not be allowed during construction hours



Construction and Access

- Whole terrace/Right-of-way will get 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.
 - Disturbed areas will be restored with topsoil, seed, and erosion matting.



Assessment Policy and Costs

ltem	Property Owner Share	City Share
Curb & Gutter Replacement	50%	50%
Driveway Apron Replacement	50%	50%
Sidewalk Replacement	50%	50%
Water Main	0%	100%
Storm Sewer Main	0%	100%
Sanitary Sewer Main	0%	100%
Sanitary Lateral Replacement to property line	25%	75%
Private Storm Sewer Connection	100%	0%
Rain Gardens	\$200.00	Rest



Assessment Policy and Costs

- > Assessment cost per property will vary depending on frontage length and the quantity of assessable items
- > Single or two-family residential corner lots will receive 50% assessment for sidewalk, curb, and gutter replacement
- Preliminary estimated assessments mailed prior to project start
- Final assessments calculated following construction using measured quantities and actual bid prices
 - Final billing sent the year after construction completion (2023 for this project)
- Assessments are payable in lump sum or in up to 15 installments at current interest rate (2%)
- Qualified loans available dependent on income
- Residents can contact the project manager for additional details



Anticipated Project Schedule

- 11/17/2021: Transportation Commission (held virtually) Agenda Item #4
 - Registration www.cityofmadison.com/city-hall/committees/transportation-commission/11-17-2021
- > 12/1/2021: Second Public Information Meeting (held virtually)
 - Registration <u>www.cityofmadison.com/OldMiddletonCraig</u>
- 12/3/2021: Mail Estimated Assessments, Public Hearing Notice
- > 12/15/2021: BPW Public Hearing (held virtually)
- > 1/4/2022: Common Council Hearing (held virtually)
- > 1/20/2022: Advertise for Bids
- > 4/18/2022: Begin Construction
- ▶ 10/14/2022: Estimated End Construction



Contact Information & Resources

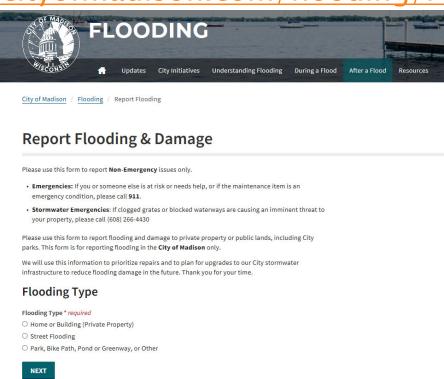
- City Staff
 - Fadi El Musa, Project Manager, (608) 243-5214, felmusagonzalez@cityofmadison.com
 - Matt Allie, City Engineering Sewers, (608) 266-4058 or <a href="mailto:
 - Renee Callaway, Ped & Bike Coordinator, (608) 266-6225, recallaway@cityofmadison.com
 - Jeremy Nash, Traffic Engineering, (608) 266-6585, inash@cityofmadison.com
 - Kelly Miess, Water Utility, (608) 261-9640, KMiess@madisonwater.org
 - Brad Hofmann, Forestry, (608) 220-6796, BHofmann@cityofmadison.com
 - Carissa Wegner, Terrace Rain Gardens, (608) 261-9822, cwegner@cityofmadison.com
- > Project Website: www.cityofmadison.com/OldMiddletonCraig
 - Sign-up for project email updates
 - Updates on closures & work progress will be posted to the project website
- Facebook City of Madison Engineering



Report Flooding and Damage

▶ Please report Non-Emergency issues to the following link:

www.cityofmadison.com/flooding/report/





Questions/Input

