

Public Involvement Meeting

October 4, 2017

Atwood Avenue
Fair Oaks Avenue – Cottage Grove Road



Agenda

- Purpose
 - Review project scope & goals
 - Present design alternatives
 - Gather feedback
 - Answer Questions
- Format
 - Open House
 - Presentation
 - Q&A
 - Open House

Atwood Avenue
Fair Oaks to Cottage Grove Road





Outline

- Project Introduction
 - Project Team
 - Project location and limits
 - Project scope and goals
- Design Alternatives
 - Roadway Typical Sections
 - Intersection Alternatives
 - Bike and Pedestrian Accommodations
 - Pedestrian Bridge Alternatives
- Project Schedule
- Questions

Project Team



- City of Madison
 - Rob Phillips, P.E. City Engineer
 - Chris Petykowski, P.E. Principal Engineer

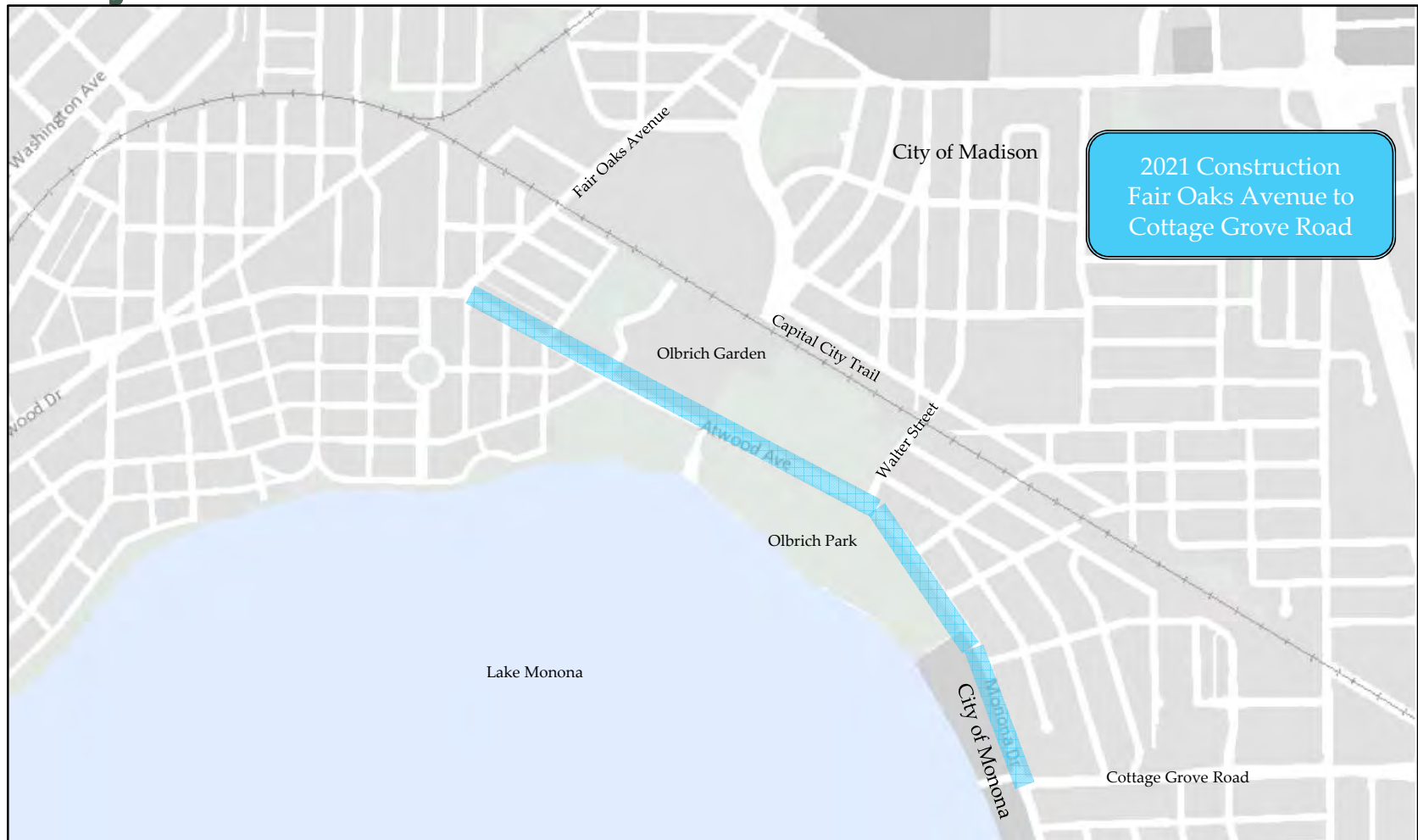


- City of Monona
 - Dan Stephany
 - Brad Bruun

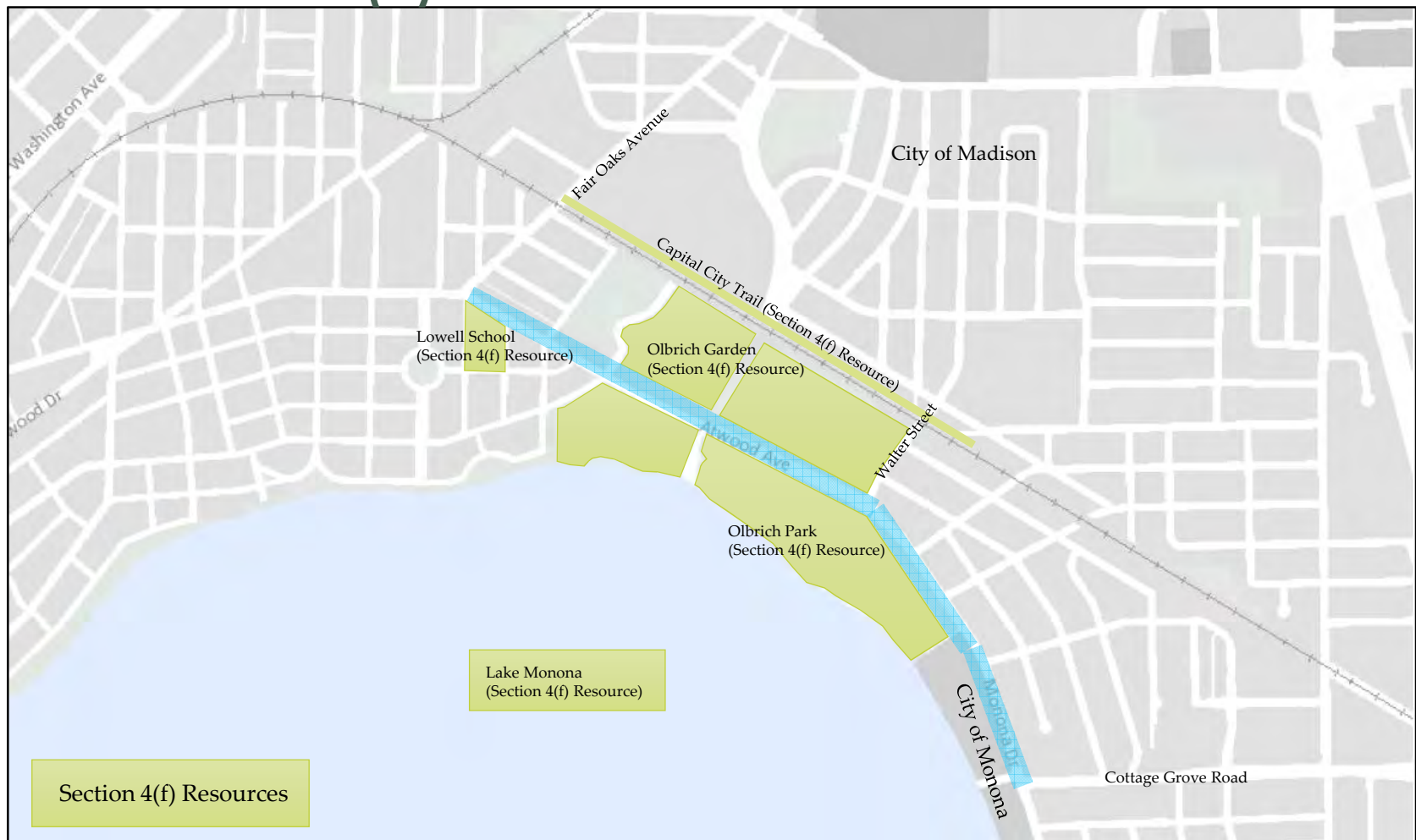


- MSA Professional Services, Inc.
 - Jaime Kurten, P.E.
 - Ben Wilkinson, P.E.

Project Location & Limits



Section 4(f) Resources





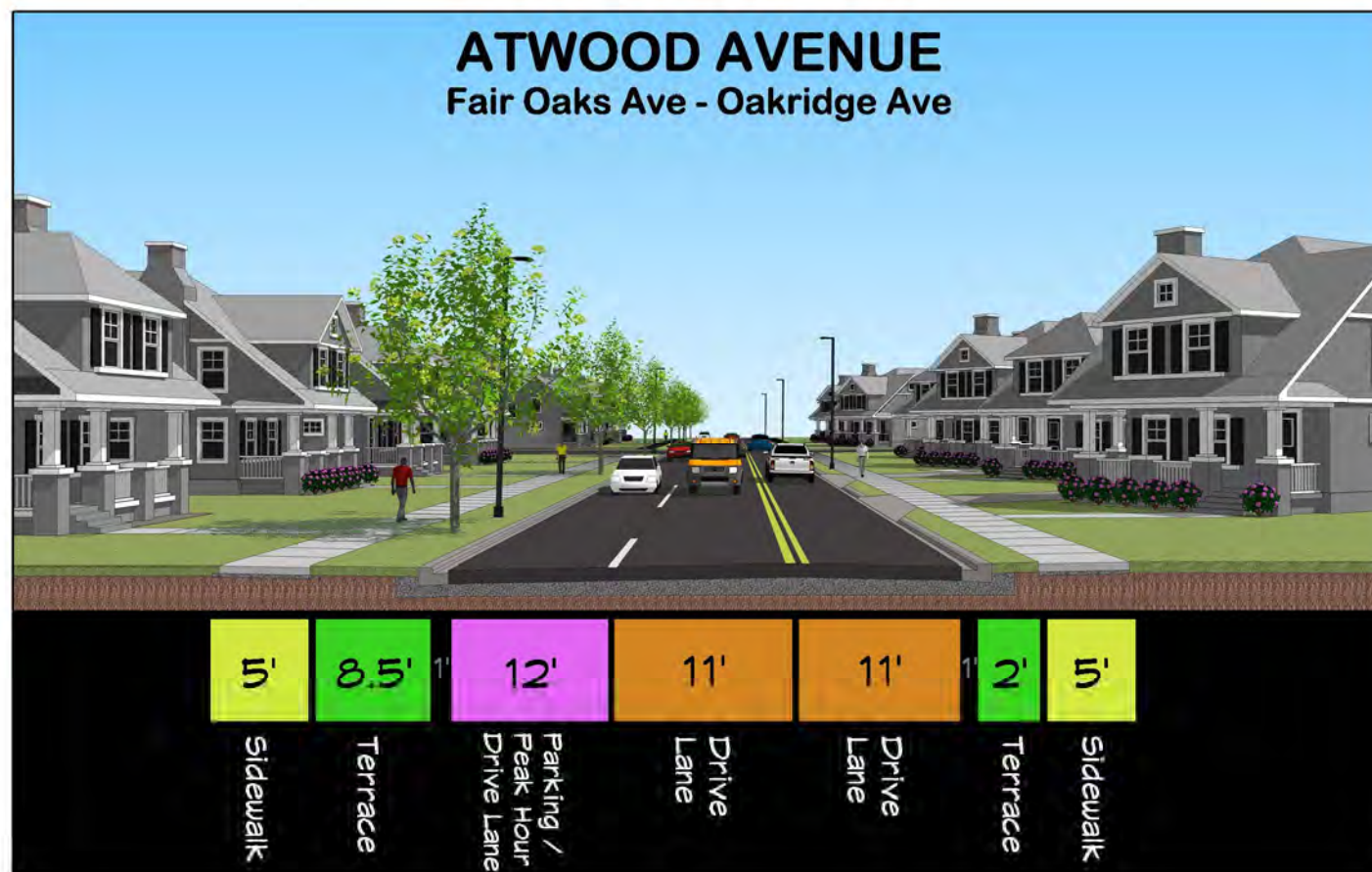
Project Goals

- Improve safety and traffic operations while enhancing multimodal connectivity and safety.
- The proposed project includes:
 - New pavement, curb and gutter, sidewalk
 - 10-foot wide multi-use path along Atwood Avenue in Olbrich Park including a pedestrian bridge crossing of Starkweather Creek.
 - 8-foot wide multi-use path along the south side of Atwood Avenue in Monona.
 - Utilities: storm sewer, sanitary sewer, water main
 - Street Lighting

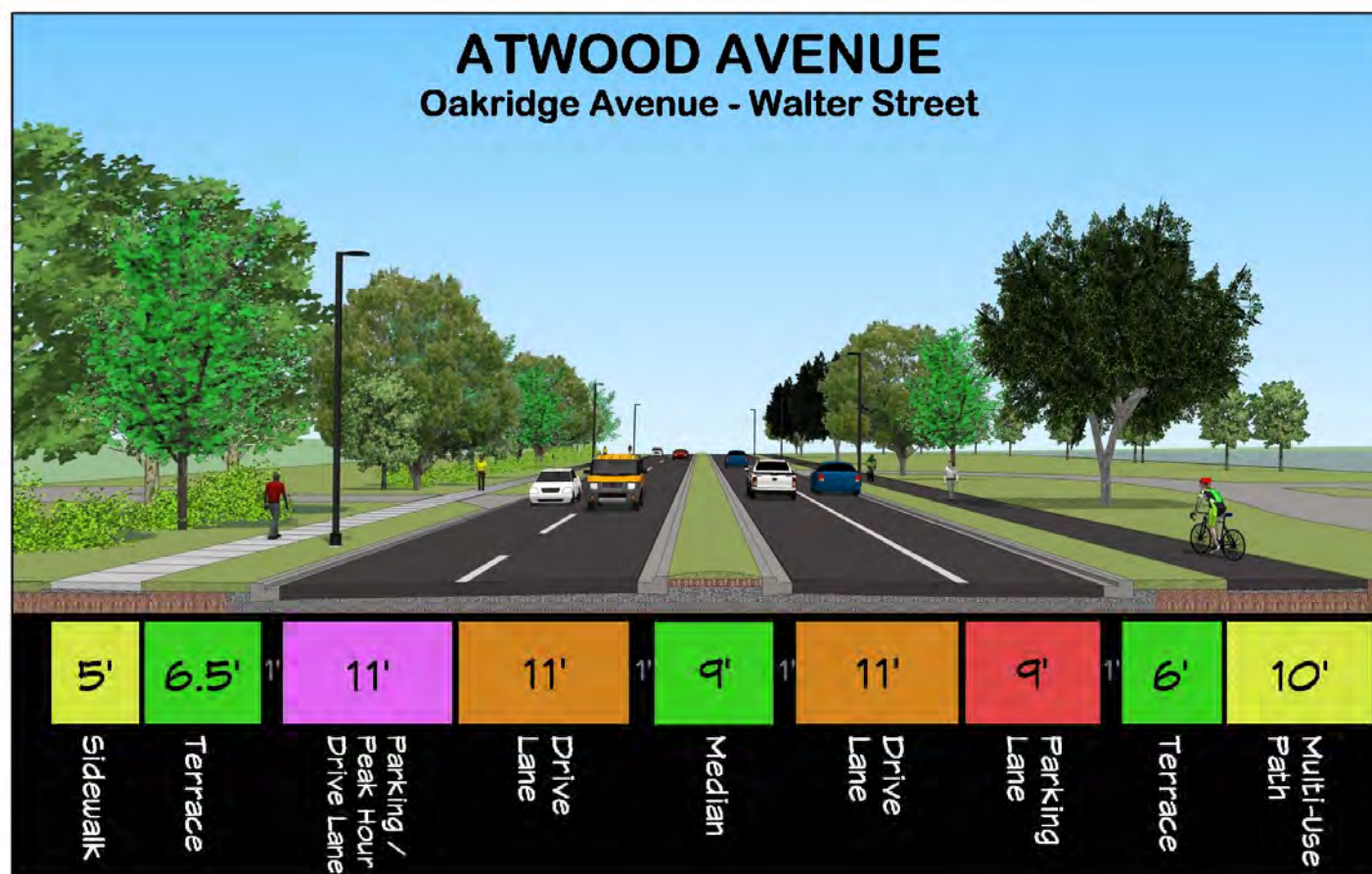
Project Overview Layout



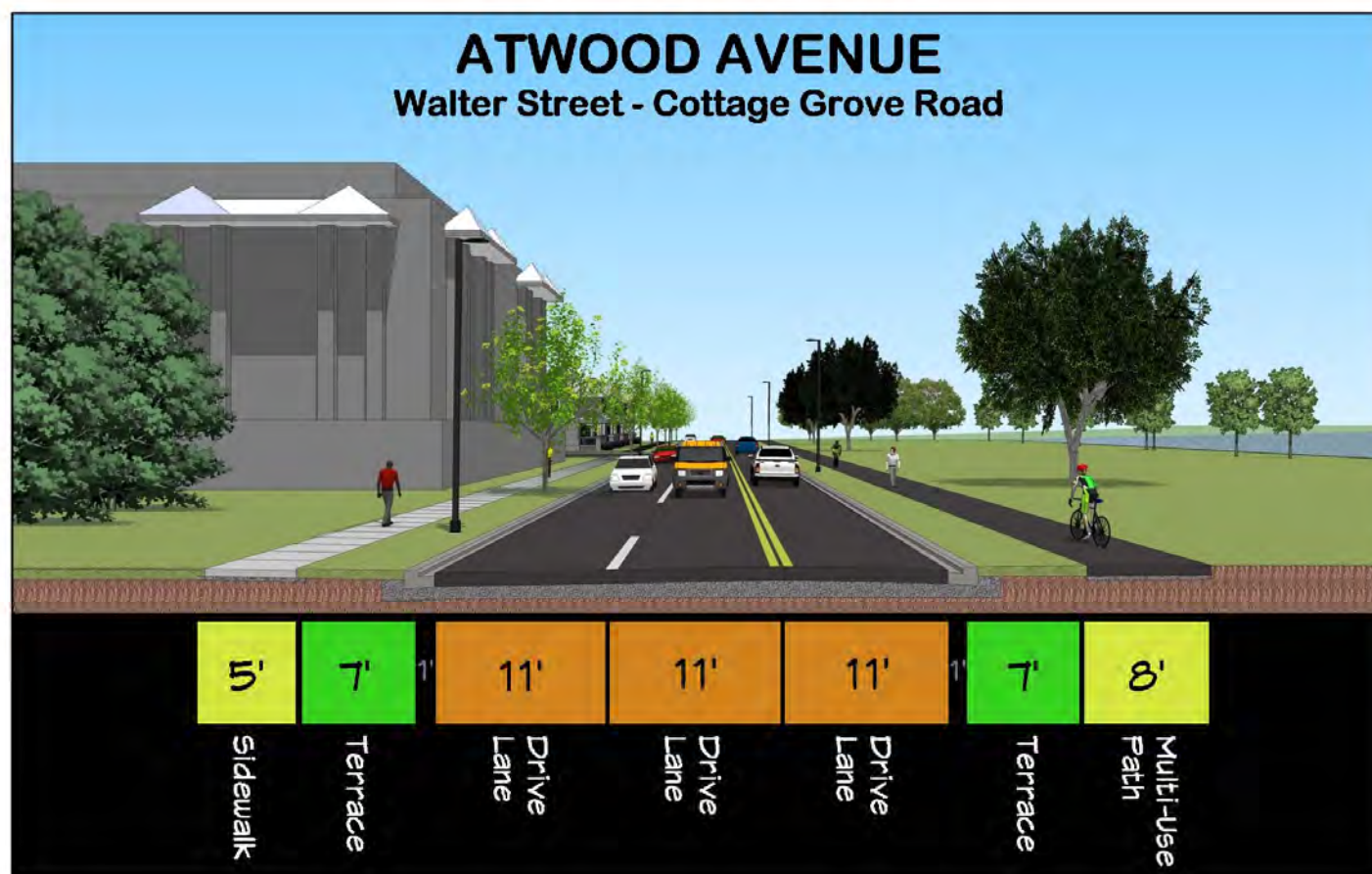
Roadway Typical Section



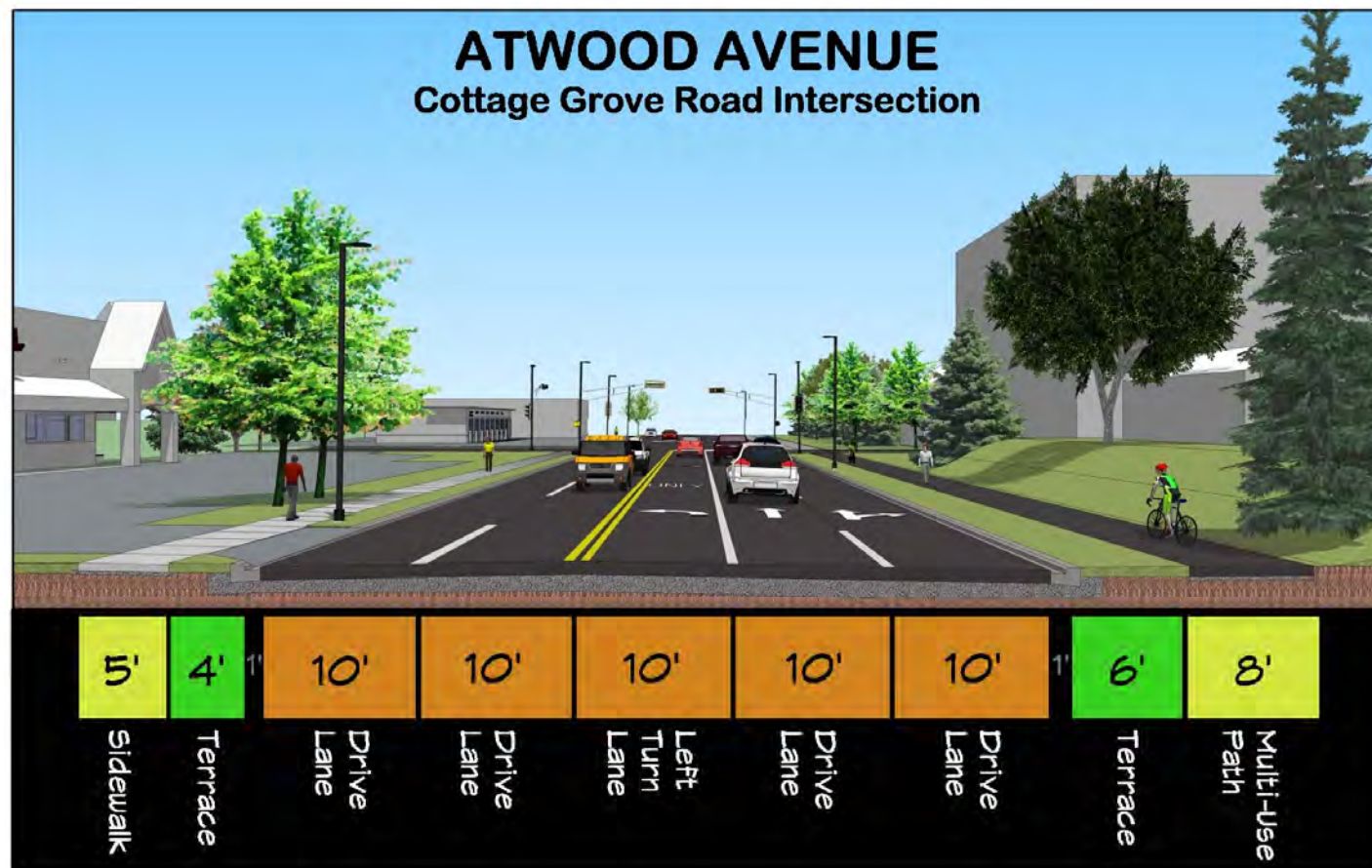
Roadway Typical Section



Roadway Typical Section

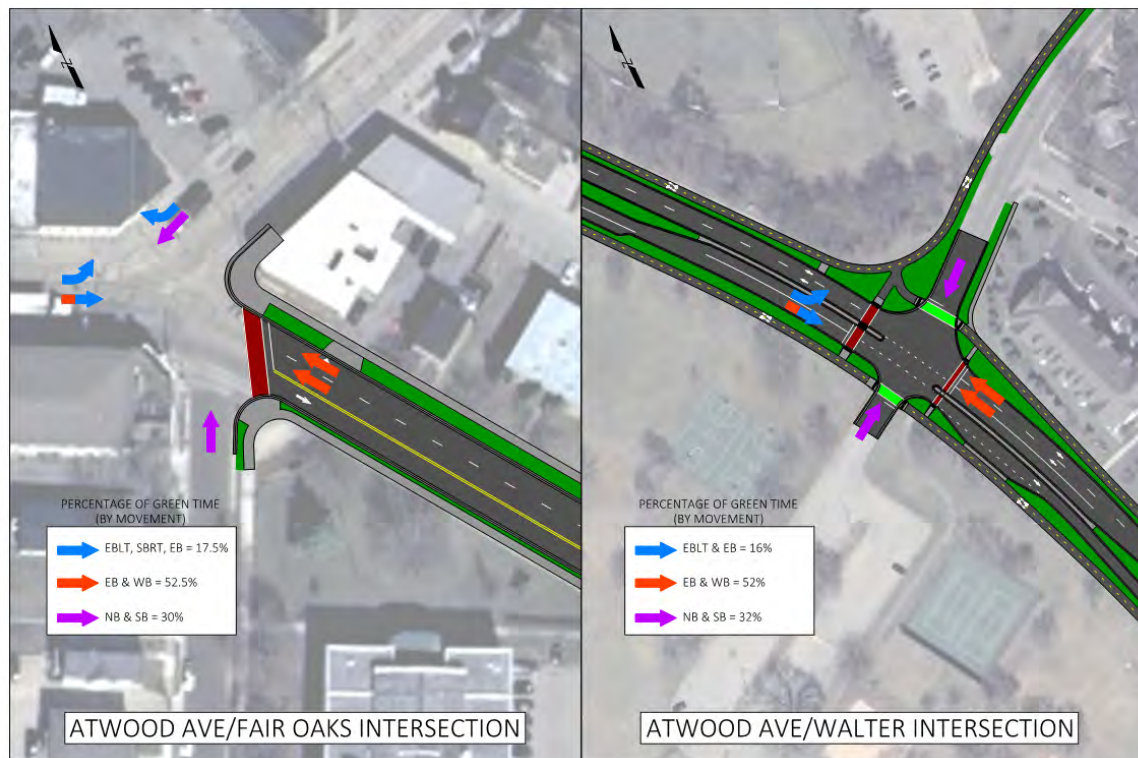


Roadway Typical Section



Other Alternatives Considered

- Consideration was given to both a reduction down to a 2-lane roadway and a 3-lane roadway.
- Why is a 3-lane roadway being recommended?



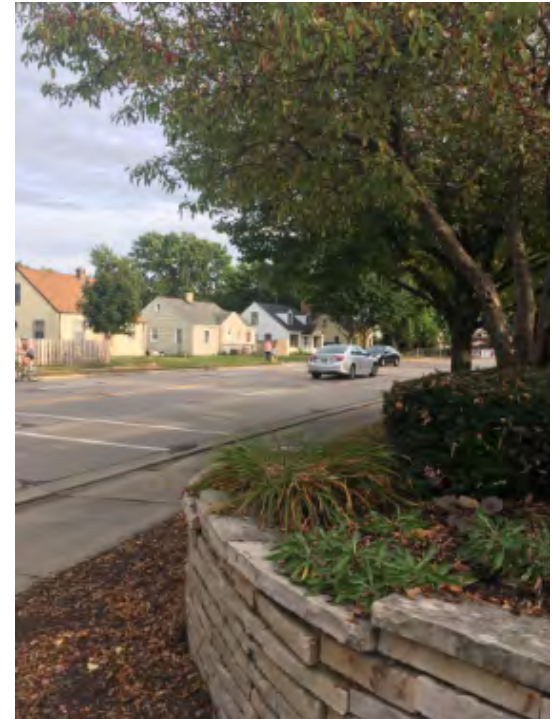
Other Alternatives Considered

- Inclusion of on-street bike facilities (4-ft bike lane + 2-ft gutter, 5-ft bike lane with integral curb, 4-ft bike lane+1-ft gutter)
 - Conclusion – Not Recommended
 - Each alternative had considerable real estate impacts to both landscaping and buildings between Fair Oaks Avenue and Oakridge Avenue and also near the intersection of Cottage Grove Road.
- Reduction in lane width from 11-ft desirable to 10-ft minimum.
 - Conclusion – Incorporated where feasible
 - – Lane reductions are utilized where feasible and necessary to minimize impacts.
- Alternate bike route connection to Fair Oaks Avenue parallel to Atwood Avenue.
 - Conclusion – Not Recommended
 - Property impacts and parkland impacts make this alternative less desirable.



Sight Distance Considerations

- Intersection at Oakridge Avenue with Fair Oaks
- Sight distance considerations at driveways along bike path in the Monona segment.





Intersection Control Evaluation

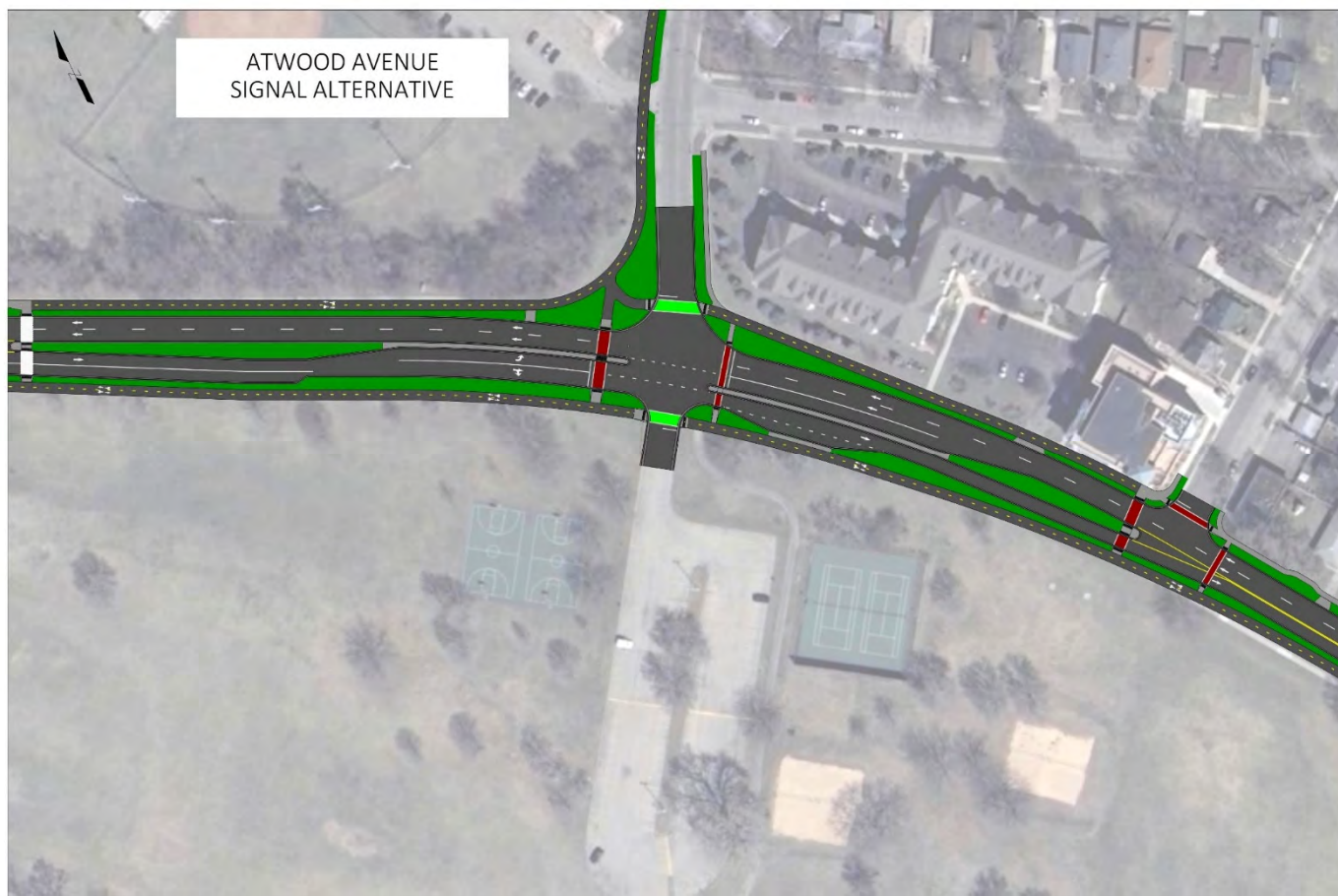
- Evaluate Intersection Alternatives
 - Signal
 - Roundabout



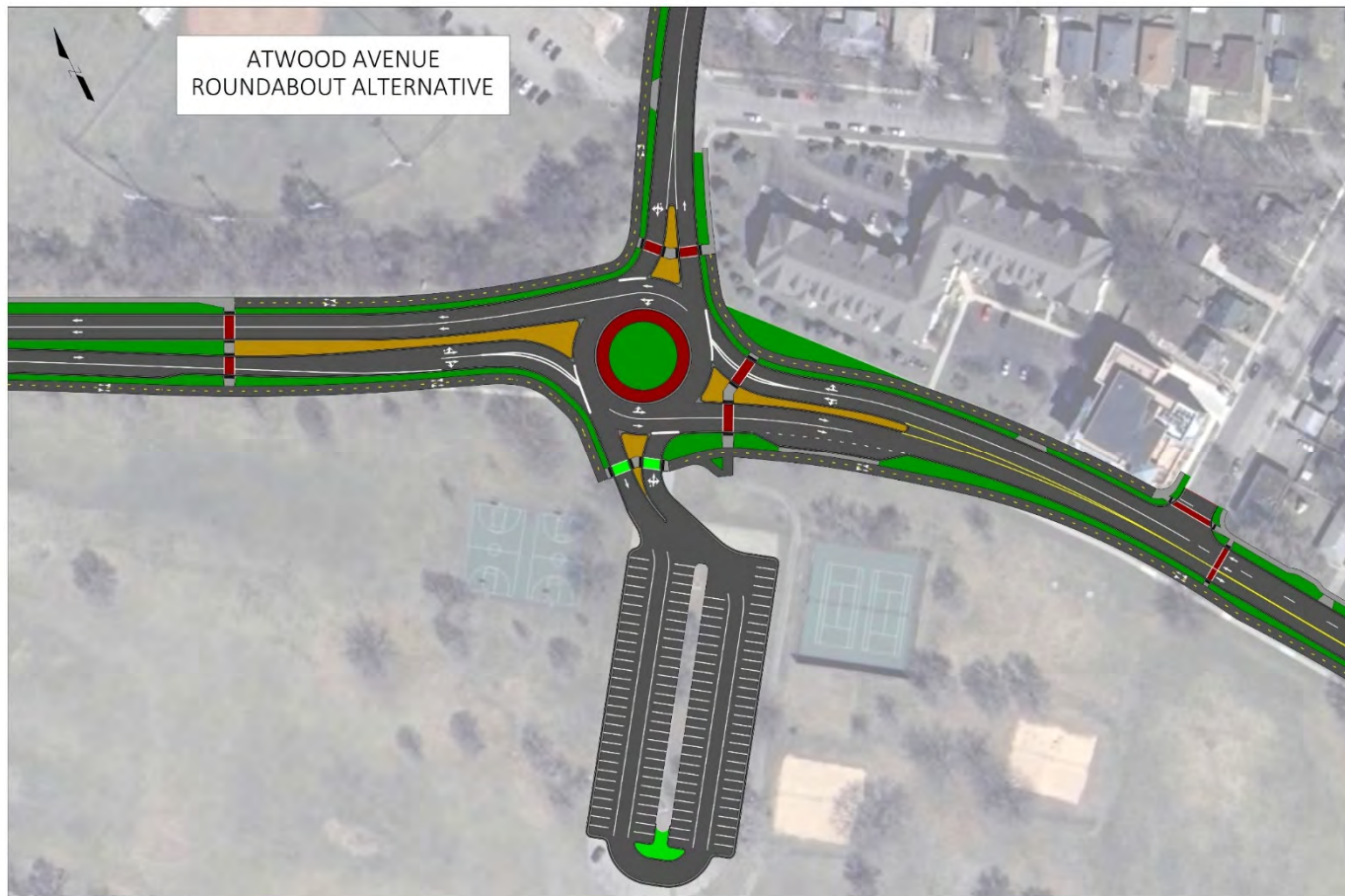
Intersection Control Evaluation

- Evaluation Factors
 - Safety
 - Operational Analysis
 - Construction Cost
 - Right-of-way
 - Access
 - Operation & Maintenance Cost
 - Environment
 - Large Vehicles
 - Pedestrians & Bicycles

Intersection Alternatives-Signal



Intersection Alternatives-Roundabout

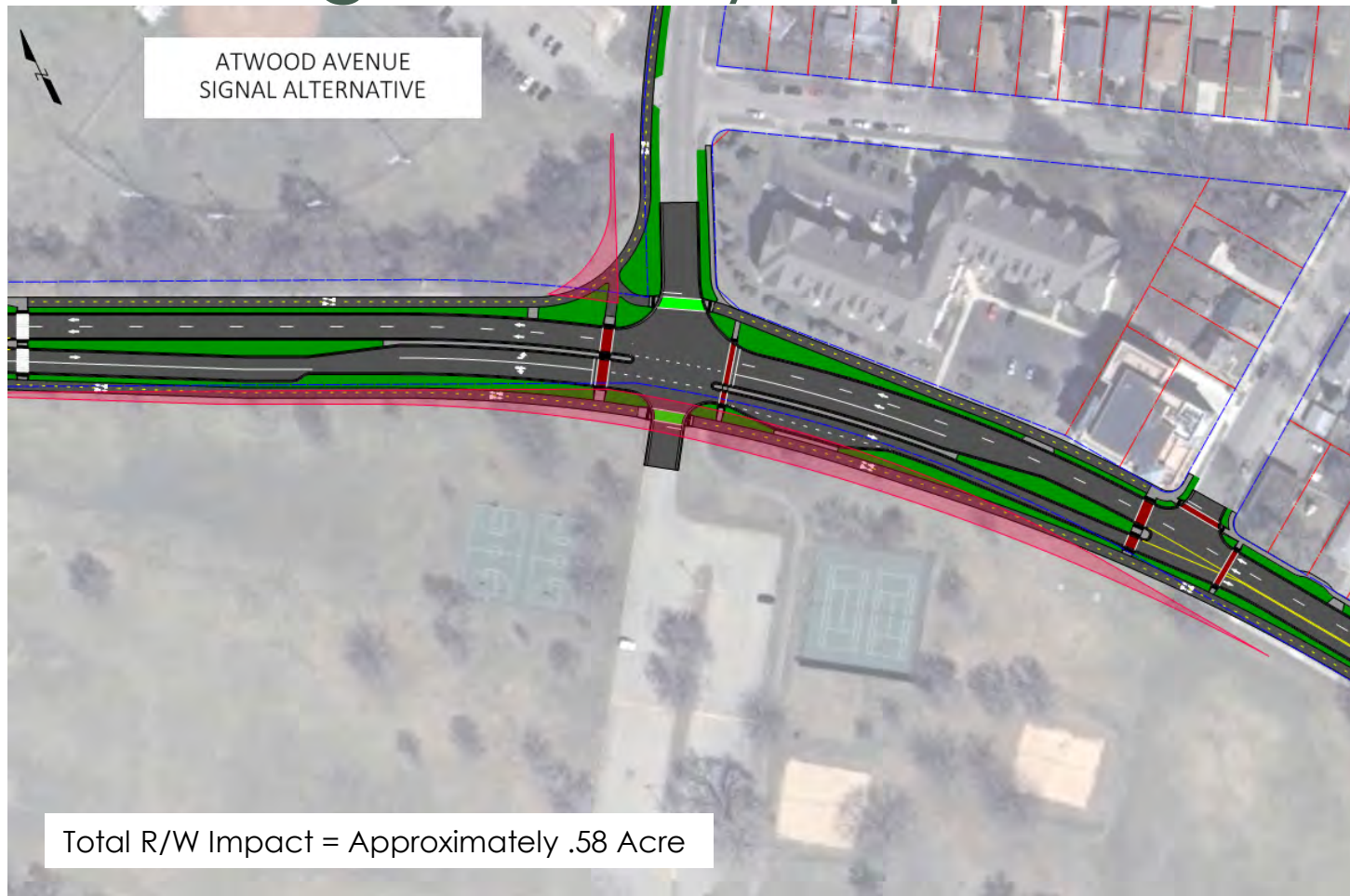




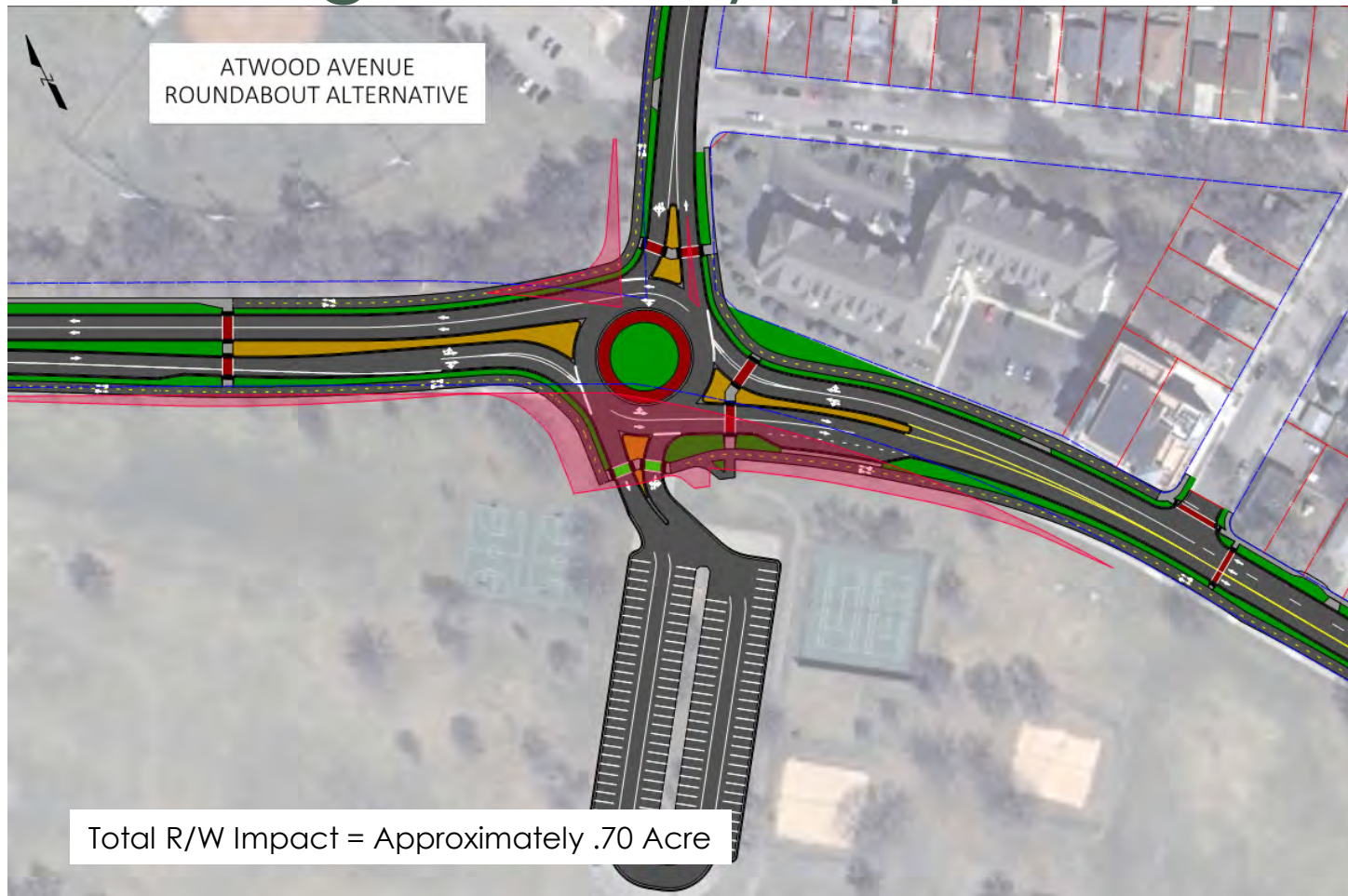
Intersection Alternatives

- Traffic Signal
 - Provides signal control for pedestrian crossings
 - Less right-of-way is needed
- Roundabout
 - Slower speeds – Safety
 - Better operations, especially for Walter Street during off peak times
 - Less severe crashes

Intersection Alternatives-Signal Right of Way Impacts



Intersection Alternatives-Roundabout Right of Way Impacts





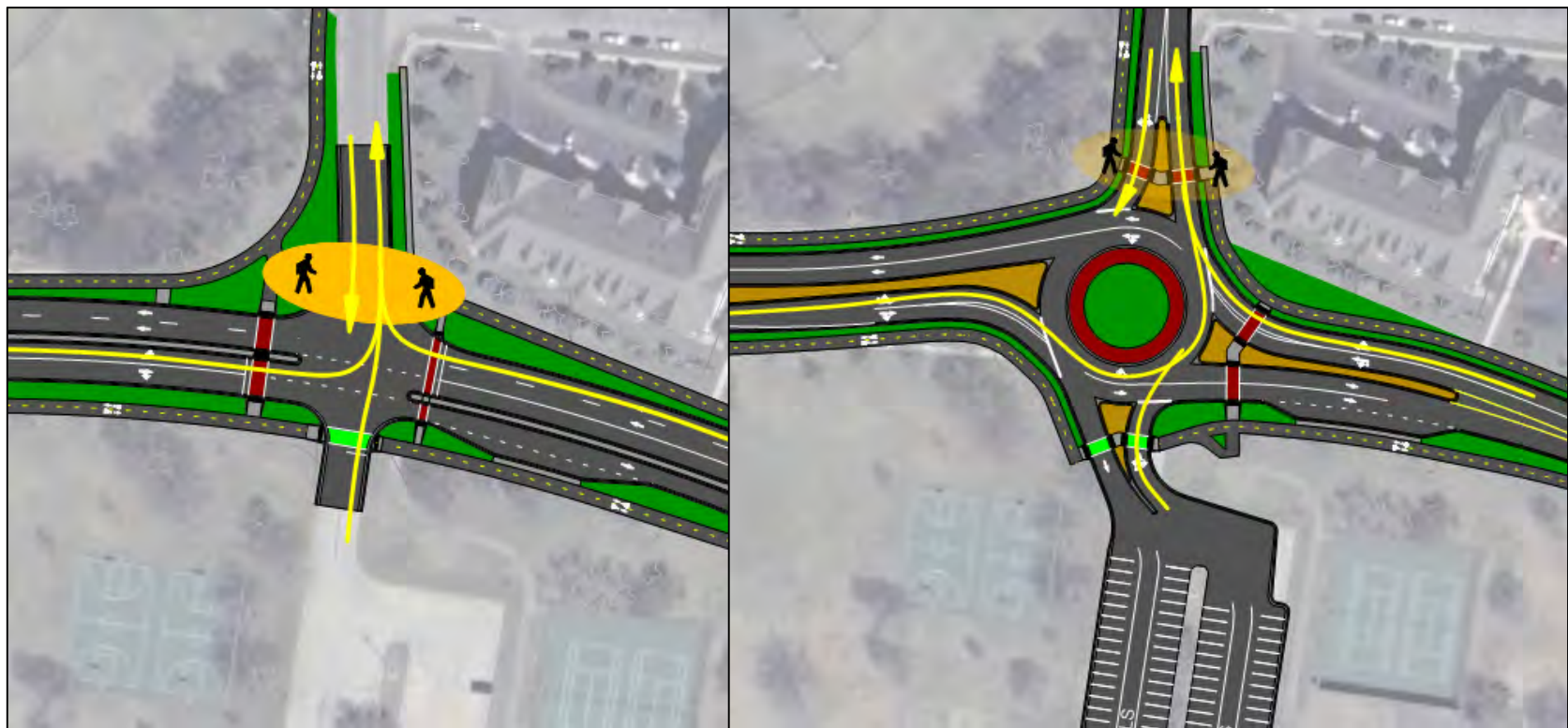
Pedestrian and Bike Accommodations

- Sidewalks
- 10-foot wide multi-use path along Olbrich Park
- 8-foot wide multi-use path along south side of Atwood Avenue in Monona to Cottage Grove Road.
- Colored Crosswalks

Pedestrian and Bike Accommodations



Pedestrian and Bike Conflicts



Pedestrian/Bike Enhancements



Pedestrian/Bike Bridge Aesthetics



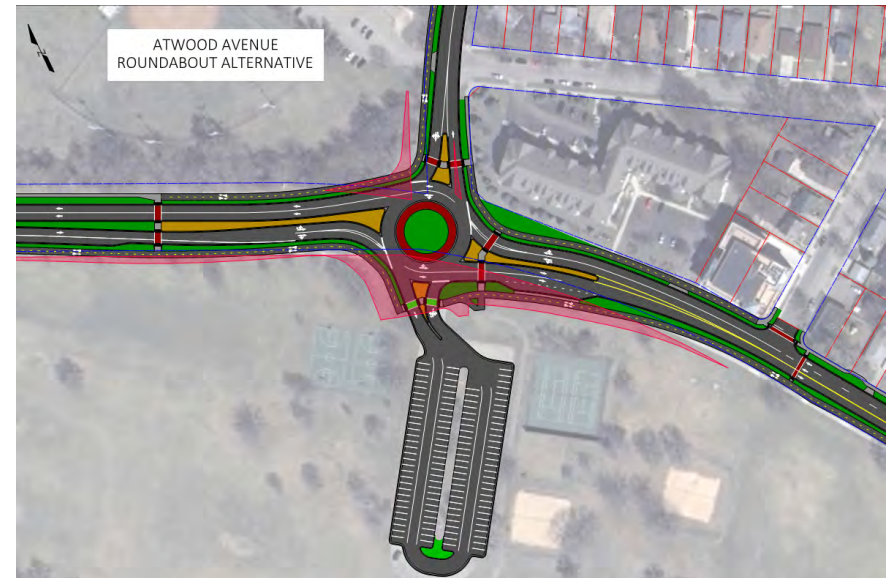
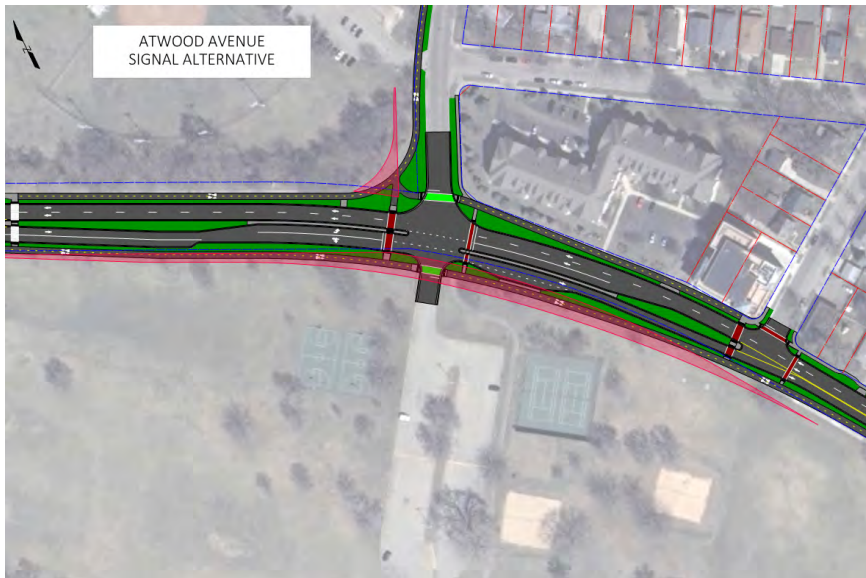
Other Project Amenities

- Street Lighting
- Path Lighting
- Trees
- Planted or colored concrete medians



Real Estate

- Additional right of way and/or easements will be required for this project.
- The city of Madison will be assessing property owners in accordance with city policy.





Project Schedule, Funding, and Staging

Schedule

- Fair Oaks Avenue to Cottage Grove Road
 - Construction Anticipated for 2021

Funding

- Applied for Federal Funds for construction
 - 60% Federal Funds/40% Local Funds

Staging

- Construction includes construction of the preferred intersection alternative at Walter Street. Construction will be staged under traffic maintaining a single lane in each direction.



Feedback

- Sign In
- Review Exhibits
- Ask Questions
- Provide feedback & comments



Questions?





Thank you!

