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City of Madison

# BUCKEYE ROAD PROJECT

(Monona Drive to Stoughton Road)

April 25, 2016



# Overview

- Project Location & Limits
- Need for Project
- Tentative Schedule
- Overview of Preliminary Design
- Impacts to Park Spaces
- Anticipated Costs
- Project Website



# Project Location and Limits





# Need for Project

- Why Improve Buckeye Road?
  - Incomplete Sidewalk
  - No Bicycle Accommodations
  - Poor Pavement Condition
  - Underground Utilities



# Need for Project

- Poor Pavement Condition
  - Last resurfaced in 1977
  - Street rated a 4 out of 10



# Need for Project

- Underground Utilities
  - 16-inch Water Main, 1950
  - 8-inch Sanitary Sewer, 1952
  - No Storm Sewer



# Tentative Schedule:

- 30 Percent Design – Summer 2015 to Spring 2016
- ***Public Meeting No.1 – April 25, 2016***
- Complete Preliminary Design - Summer 2016
- Public Meeting No.2 Fall 2016
- Complete Final Design - Fall 2016 to Summer 2017
- Public Meeting No.3 (if needed) - Summer 2017
- Public Meeting Prior to Construction - Spring 2018
- Start Construction - April 2018
- Complete Construction Prior to Labor Day



# Project Scope:

- New Pavement
- Curb and Gutter
- Sidewalk & Curb Ramps
- Storm Sewer
- Lighting
- Sanitary Sewer
- Water Main
- Pavement Marking
- Signing

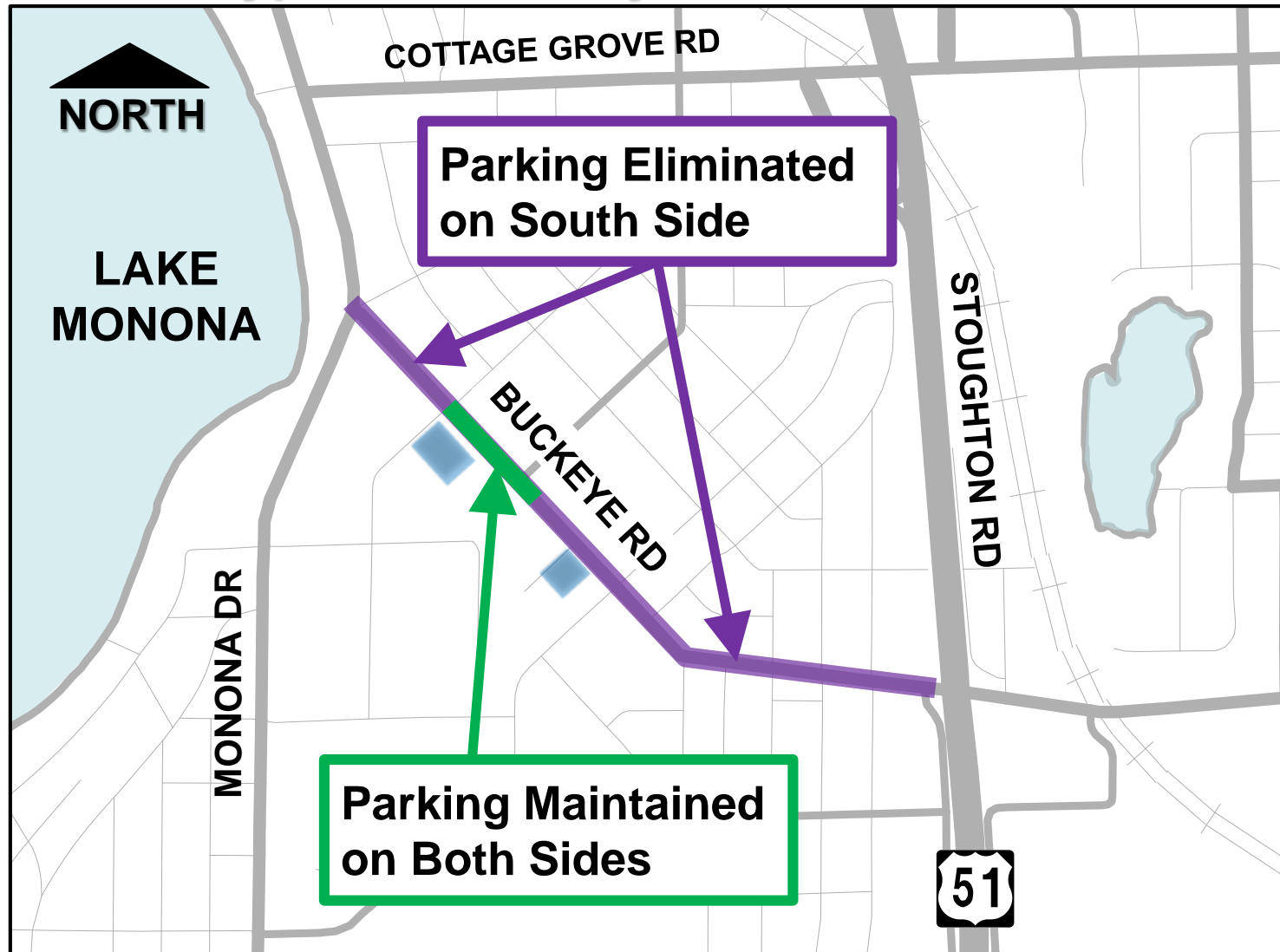


# Overview of Preliminary Design

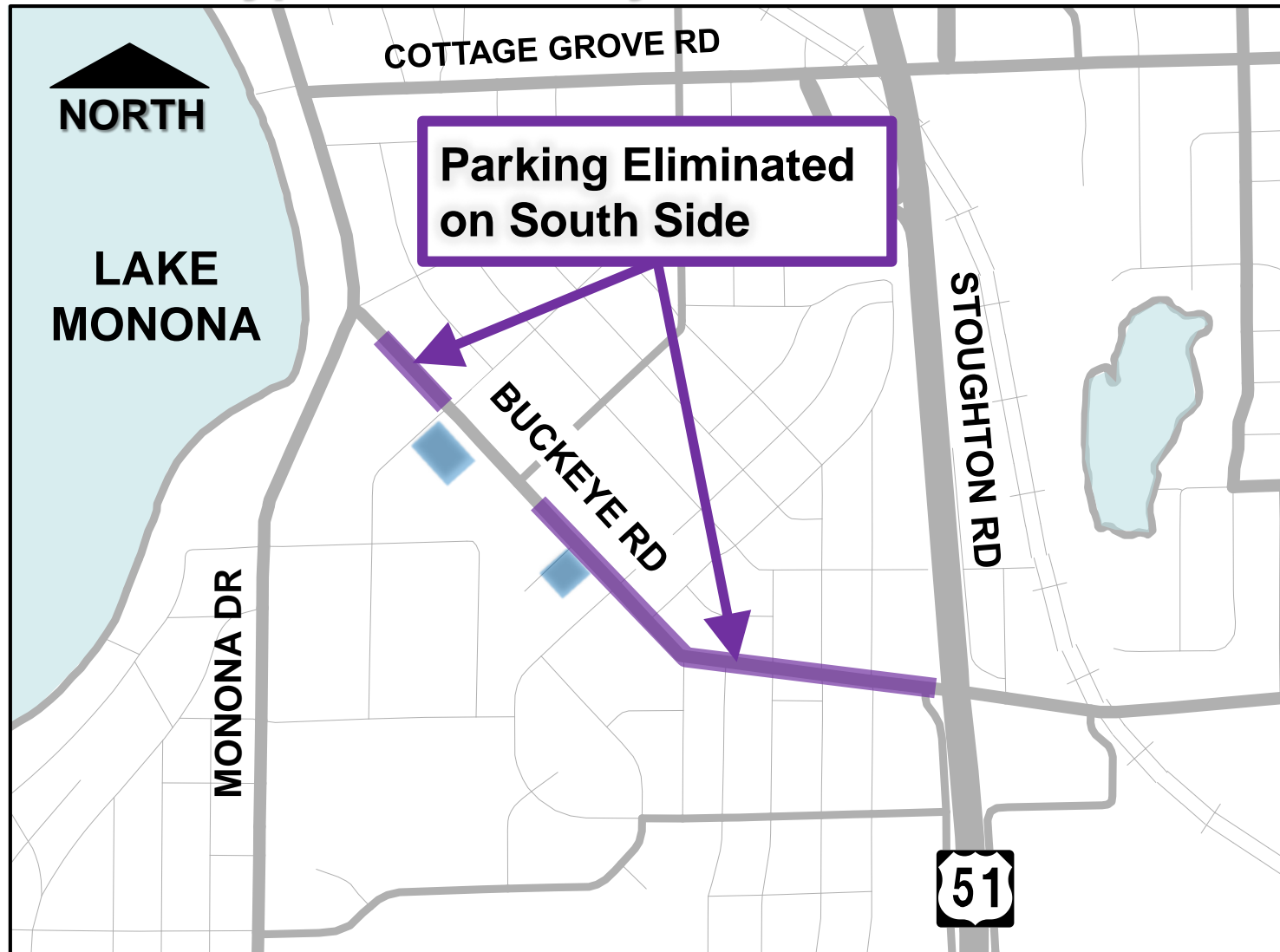
- Typical Cross Sections
- Sidewalk Improvements
- Crossing Improvements
- Traffic Calming
- Construction Staging
- Lighting



# Typical Roadway Cross Sections

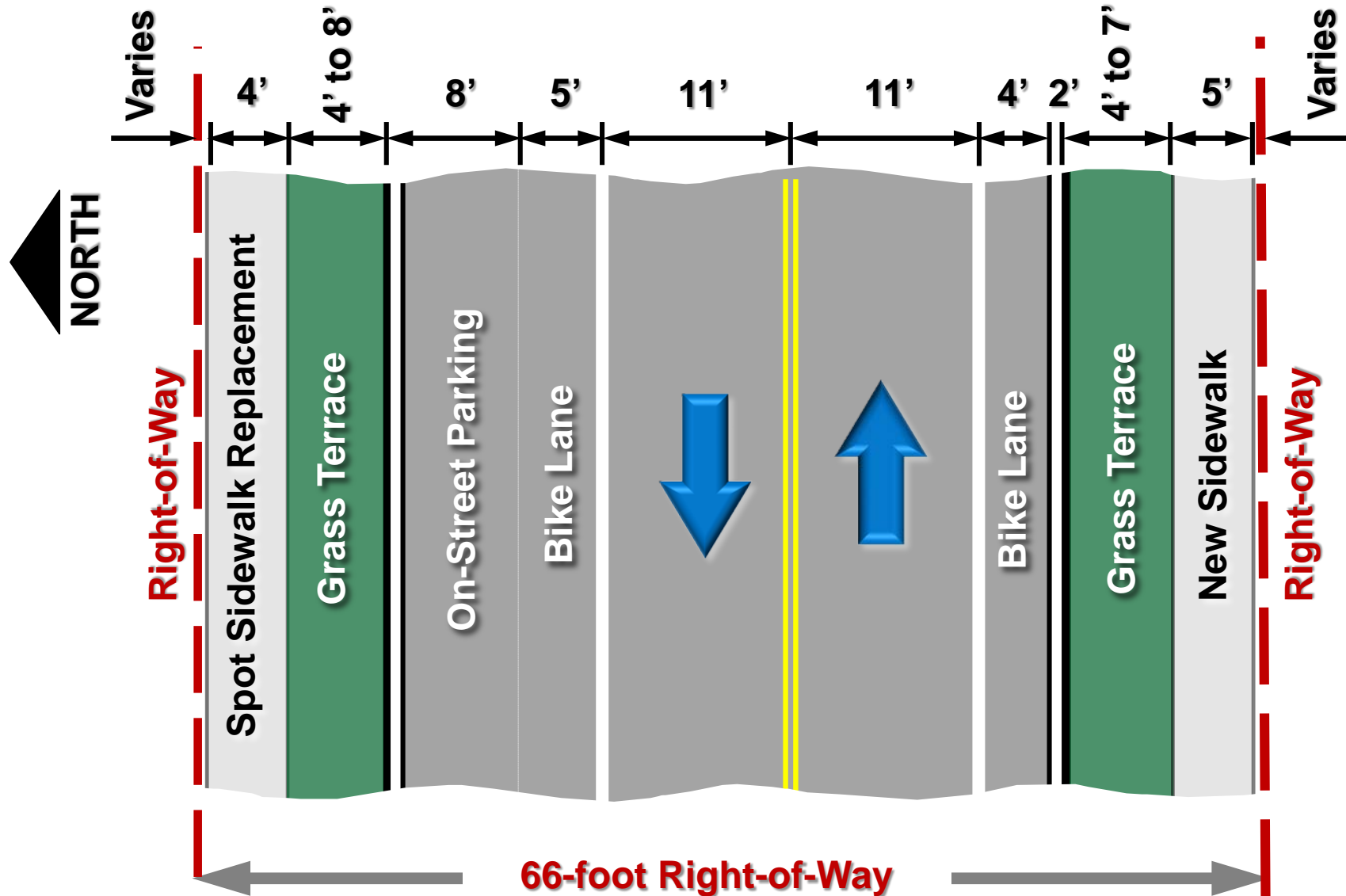


# Typical Roadway Cross Sections

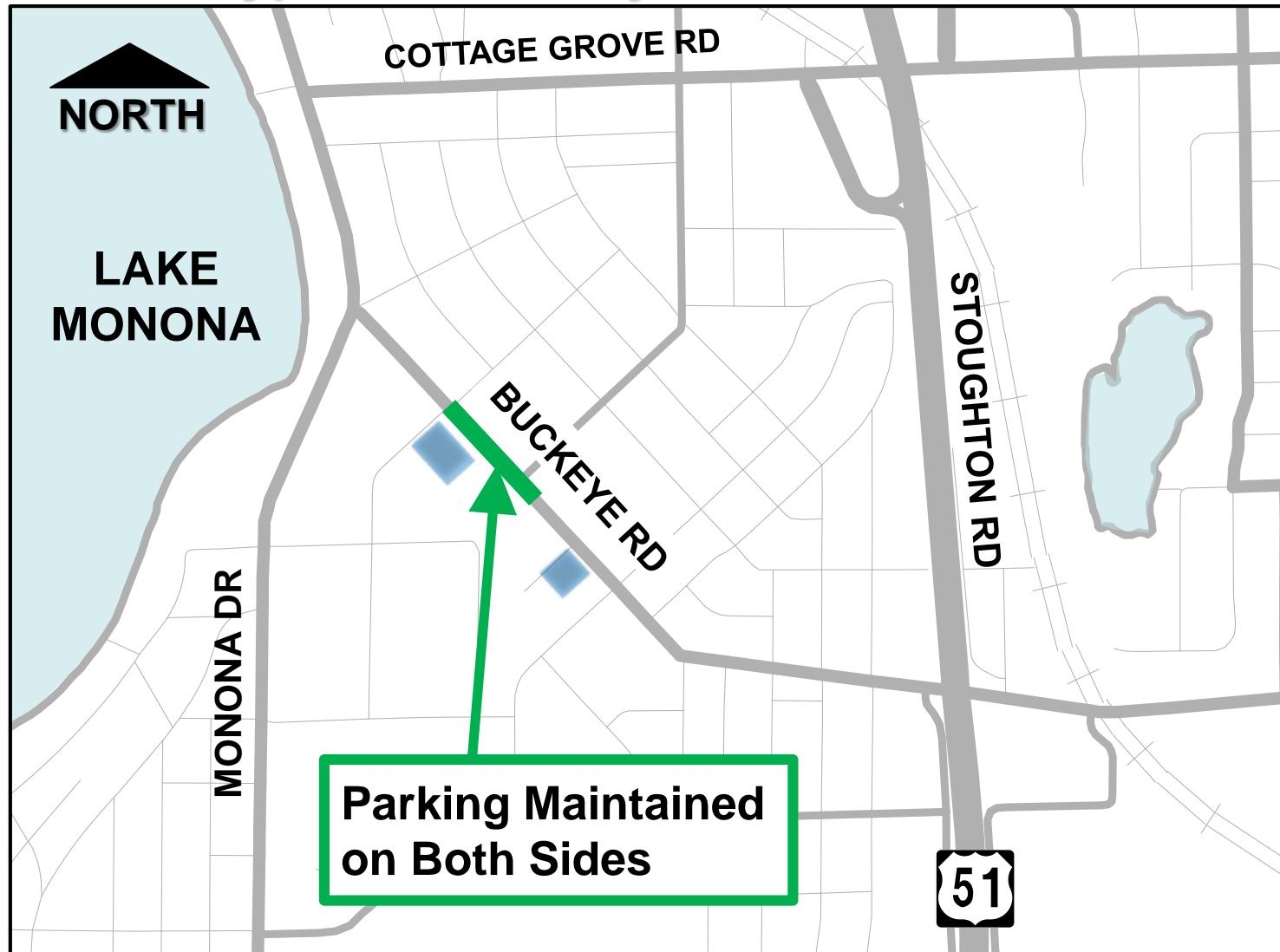




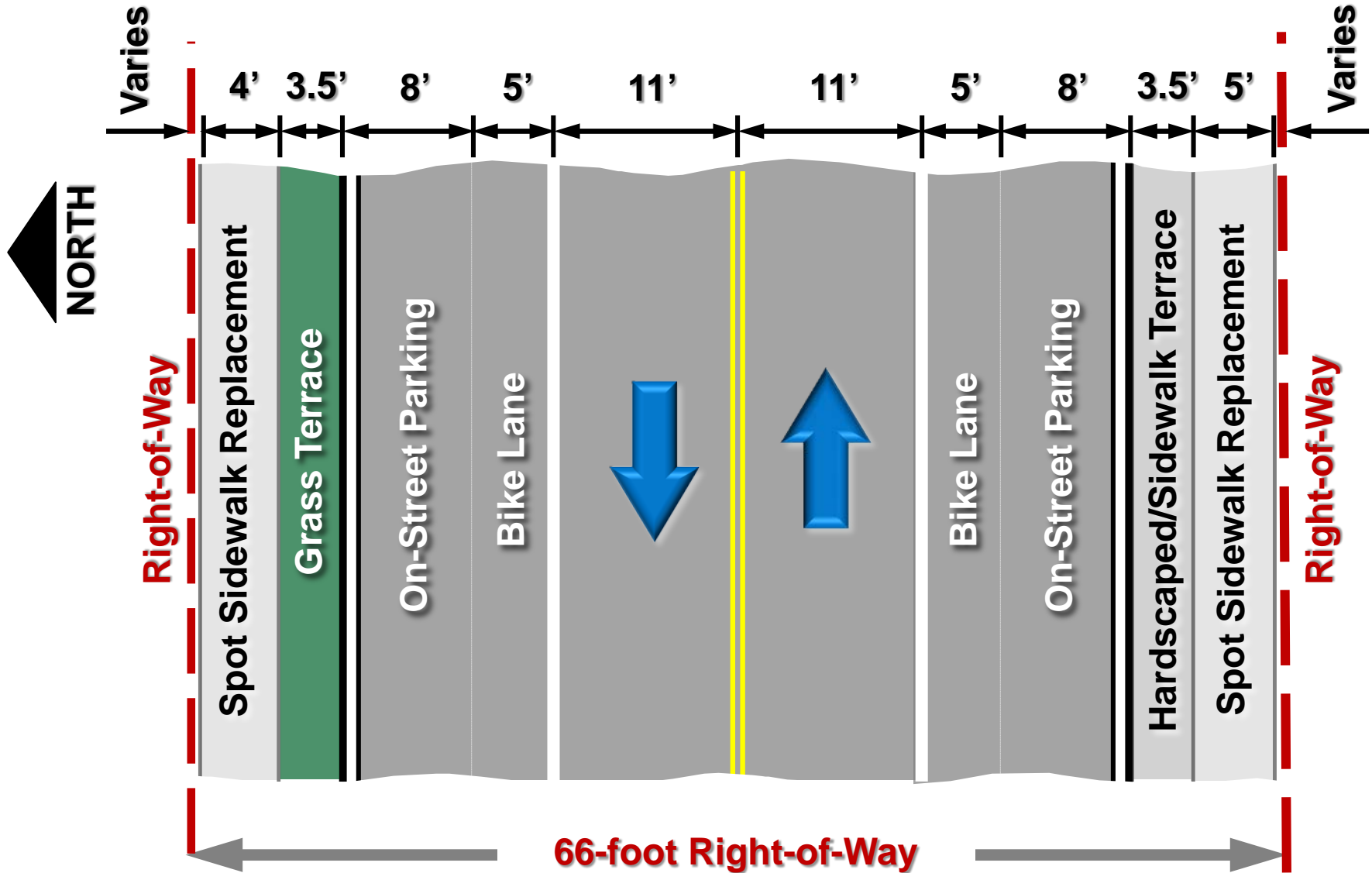
# Typical Roadway Cross Section -Parking Eliminated on South Side-



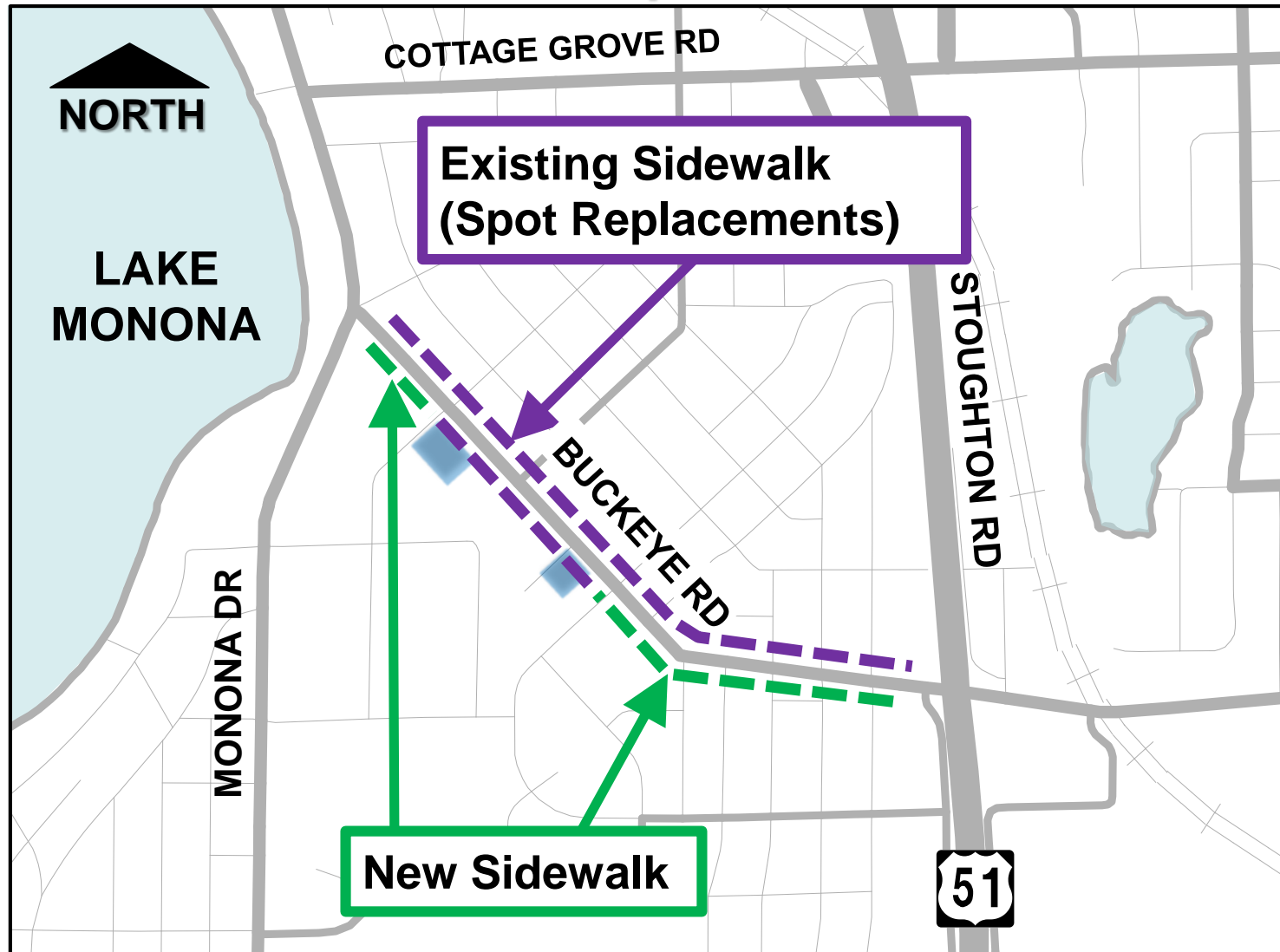
# Typical Roadway Cross Sections



# Typical Roadway Cross Section -Parking Maintained on Both Sides-

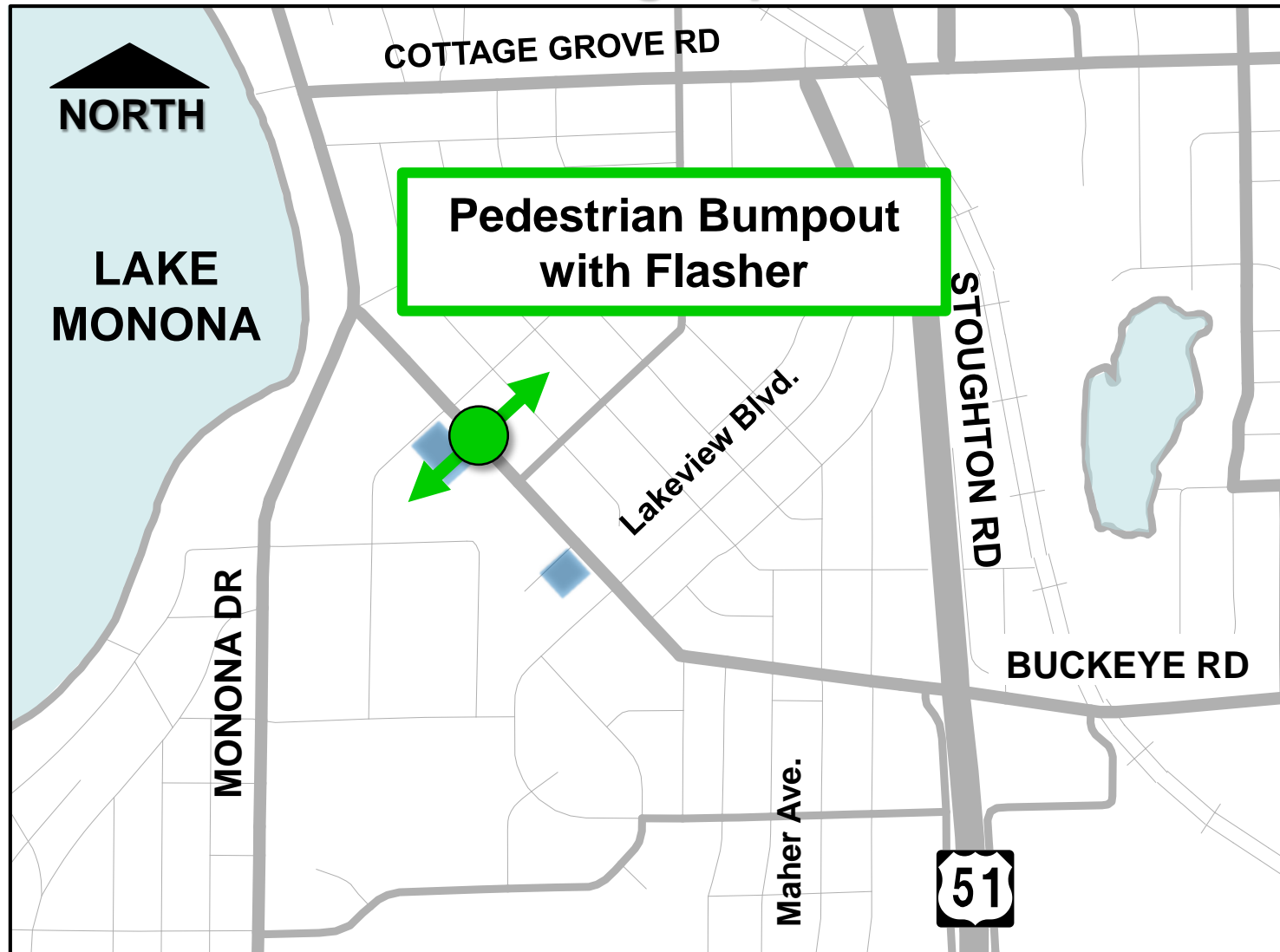


# Sidewalk Improvements

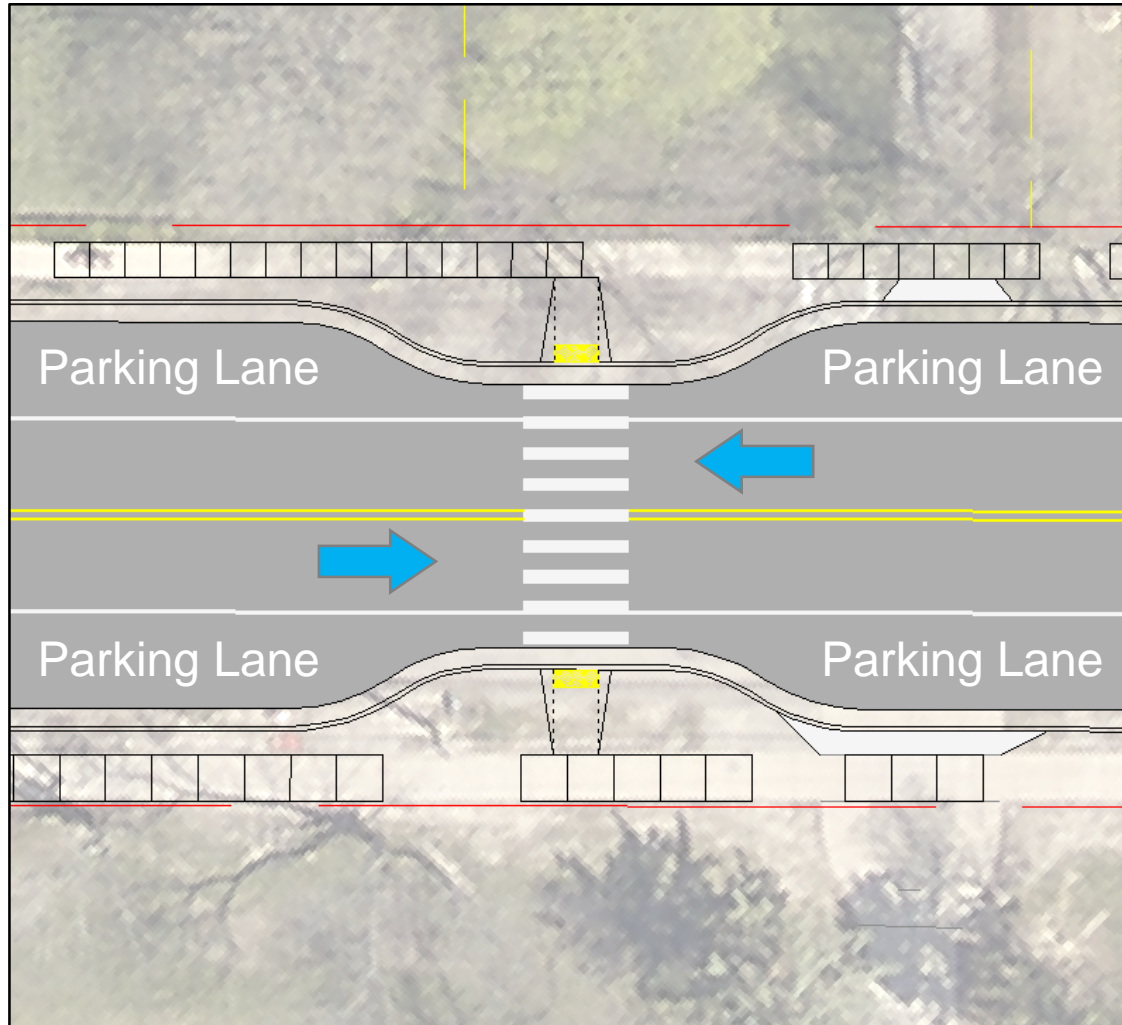




# School Crossing Improvements



# School Crossing Improvements



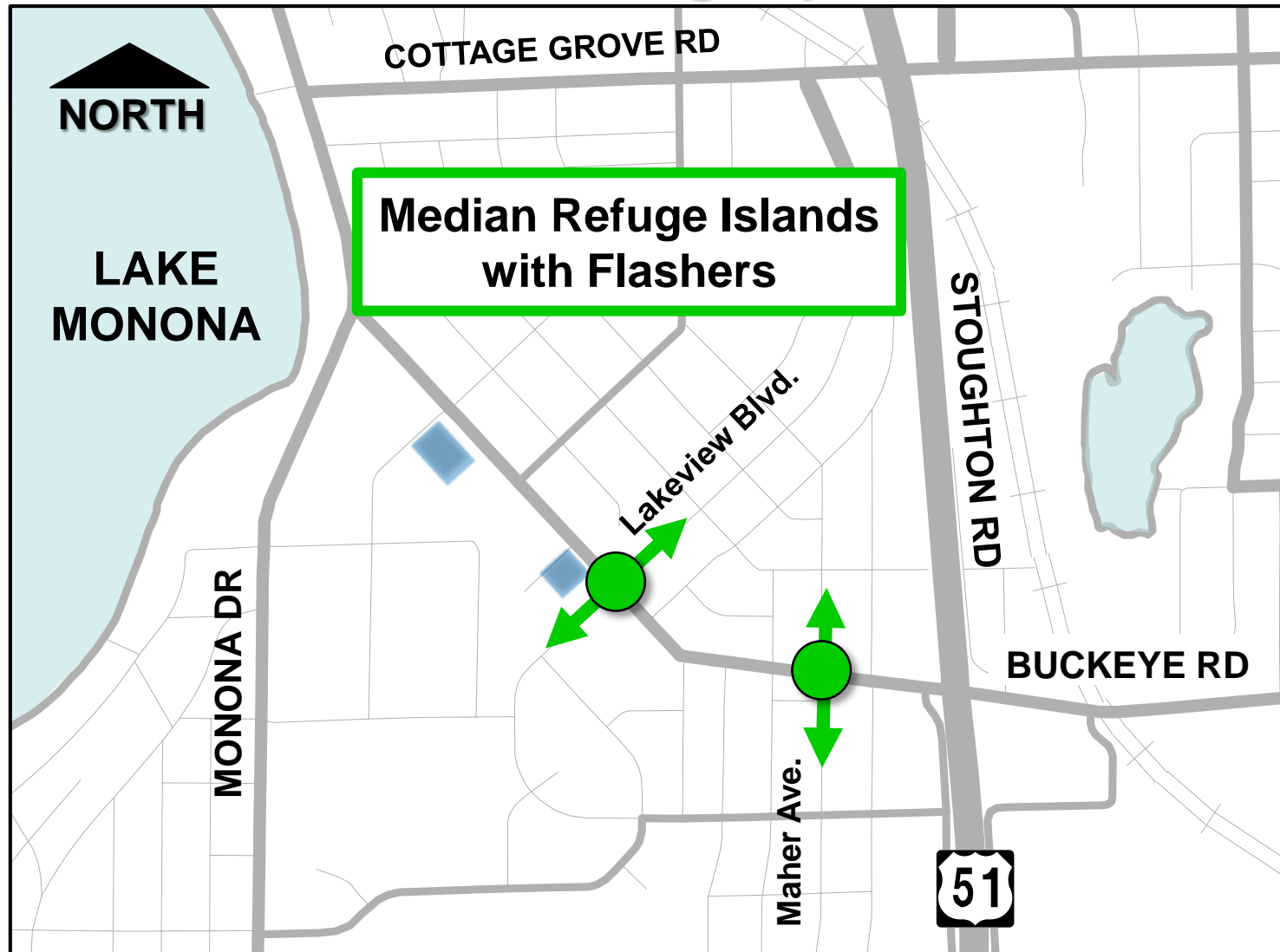
## Potential Flasher Option



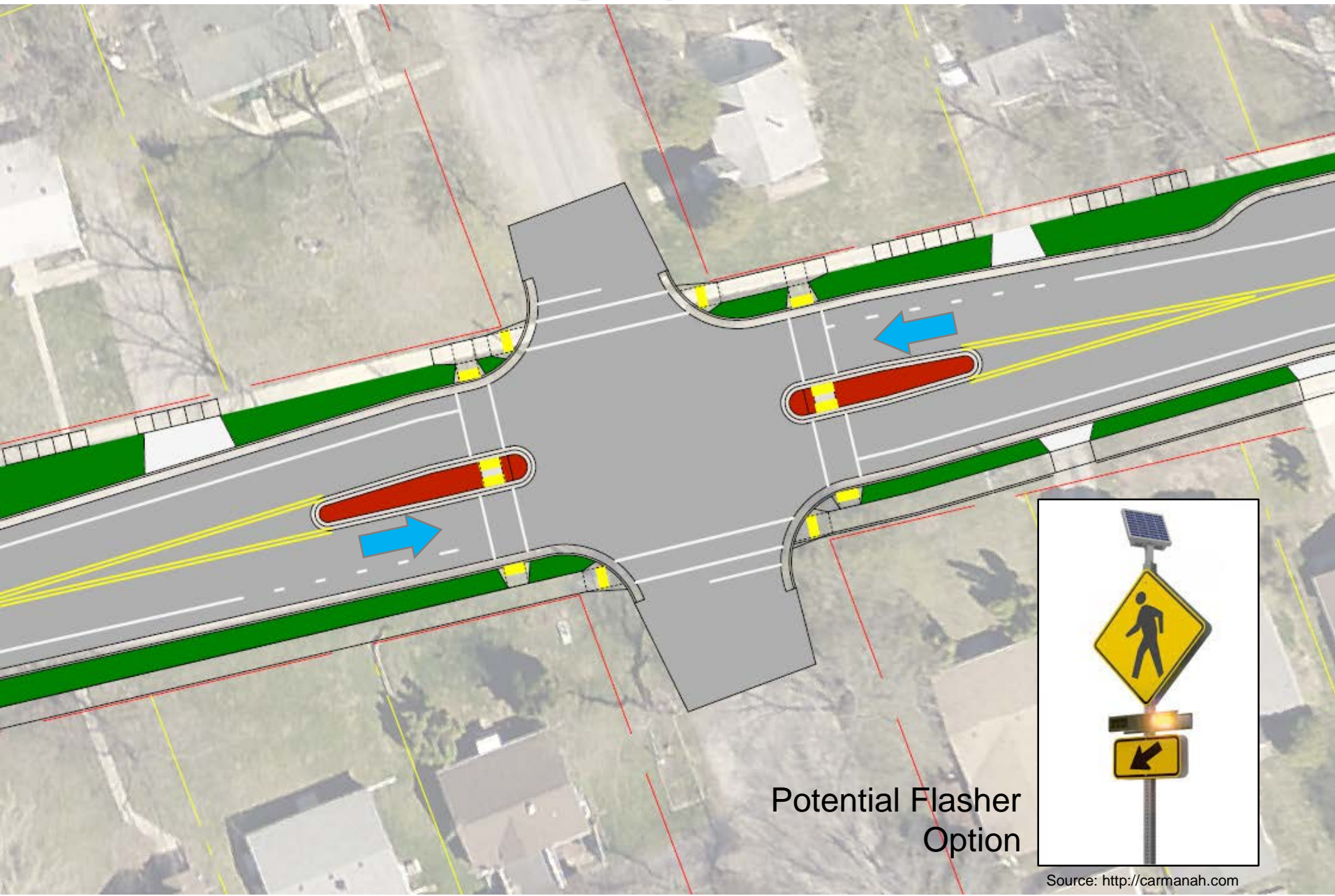
Source: <http://carmanah.com>



# Bike Route Crossing Improvements



# Crossing Improvements



Potential Flasher  
Option



Source: <http://carmanah.com>



# Traffic Calming Features

- The following design components may help to reduce travel speeds along Buckeye Road:
  - Installation of curb and gutter
  - Median islands at Lakeview Ave. and Maher Ave.
  - Curb bump outs at intersections
  - Reduction of overall width for motor vehicle traffic



# Staging of Traffic During Construction

- Two potential options for traffic during construction:
  - Maintain one-way traffic inbound
  - Close roadway to through traffic
- Looking for your feedback on these options



# Staging of Traffic During Construction

- Maintain one-way traffic inbound
  - Advantages:
    - More convenient access during construction
    - Reduces potential traffic diversion onto neighborhood streets
    - Reduced impact to Madison Metro bus routes
  - Disadvantages:
    - Typically more expensive to accommodate traffic through work zone
    - Longer construction duration



# Staging of Traffic During Construction

- Closed to through traffic:
  - Advantages:
    - Less expensive
    - Shorter construction duration
  - Disadvantages:
    - Less convenient access during construction
    - Temporary relocation of Madison Metro bus routes
    - Potential diversion of traffic onto neighborhood streets





# Lighting

- Project will use standard lighting poles/fixtures.



# Impacts to Park Spaces / Section 4(f) Resources

- Public Park Areas Impacted by the Project:
  - Quaker Park
  - Frank Allis Elementary School
- Scope of Impacts Anticipated:
  - Not anticipating impacts however may need temporary easements to replace existing sidewalk
  - Grading limited to grass areas (i.e. no trees, equipment or other fixtures anticipated to be impacted)



# Anticipated Costs

- Preliminary Roadway Cost of about \$2.4 Million.
  - Roadway partially funded with Federal funds.
  - Property owners will be assessed for the local share in accordance with City policy.
- Preliminary Sanitary and Water Cost of about \$2.6 Million.
  - No Federal funds.
- Total Cost for Project is about \$5 Million.



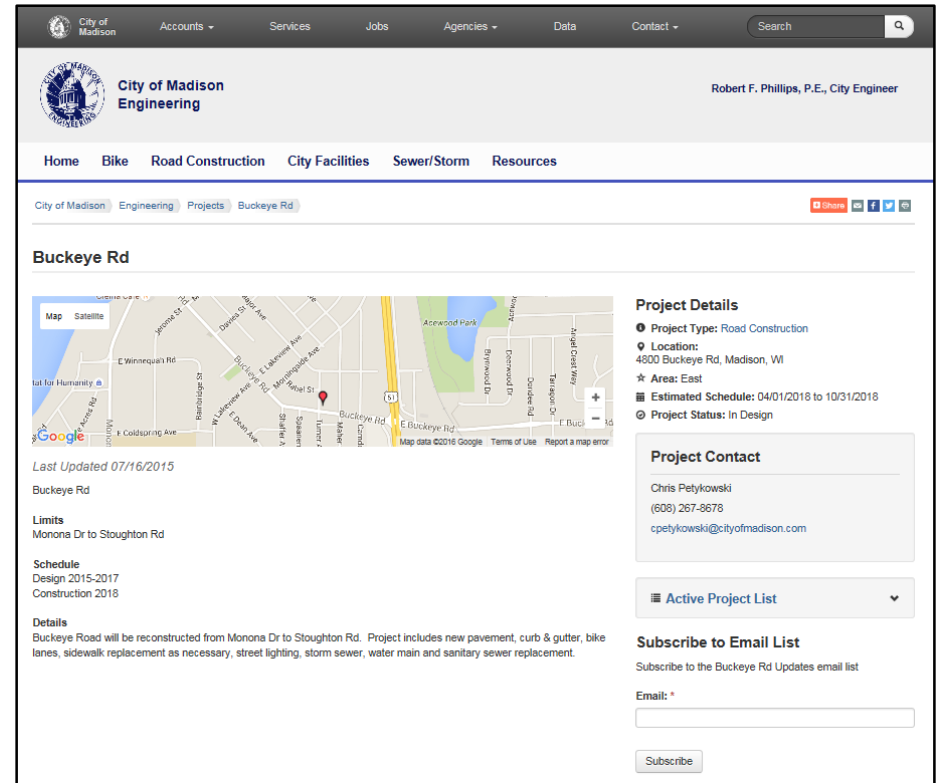
# Standard Assessment Policy for Projects with Federal Funding

- Assessment policy applies to all projects.
- Existing concrete curb & gutter, existing sidewalk & driveway aprons: Federal 50%, Owners 25%, City and County 25%
- New curb & gutter (where none currently exists) – Property Owner pays 50% plus 4 feet of pavement.
- Water, storm sewer and sanitary sewer main paid for by City, except:
  - Private storm connection 50% assessable
  - Sanitary lateral 75% City / 25% Property Owner
- Street lighting 50% Federal and 50% Property Owner.



# Additional Information/Stay Up-to-Date

- Project Website
  - Project Contact Info.
  - PDF of this Presentation
  - PDF of Preliminary Plans
  - Sign-Up for Project Updates



<http://www.cityofmadison.com/engineering/projects/buckeye-rd>



# Questions





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