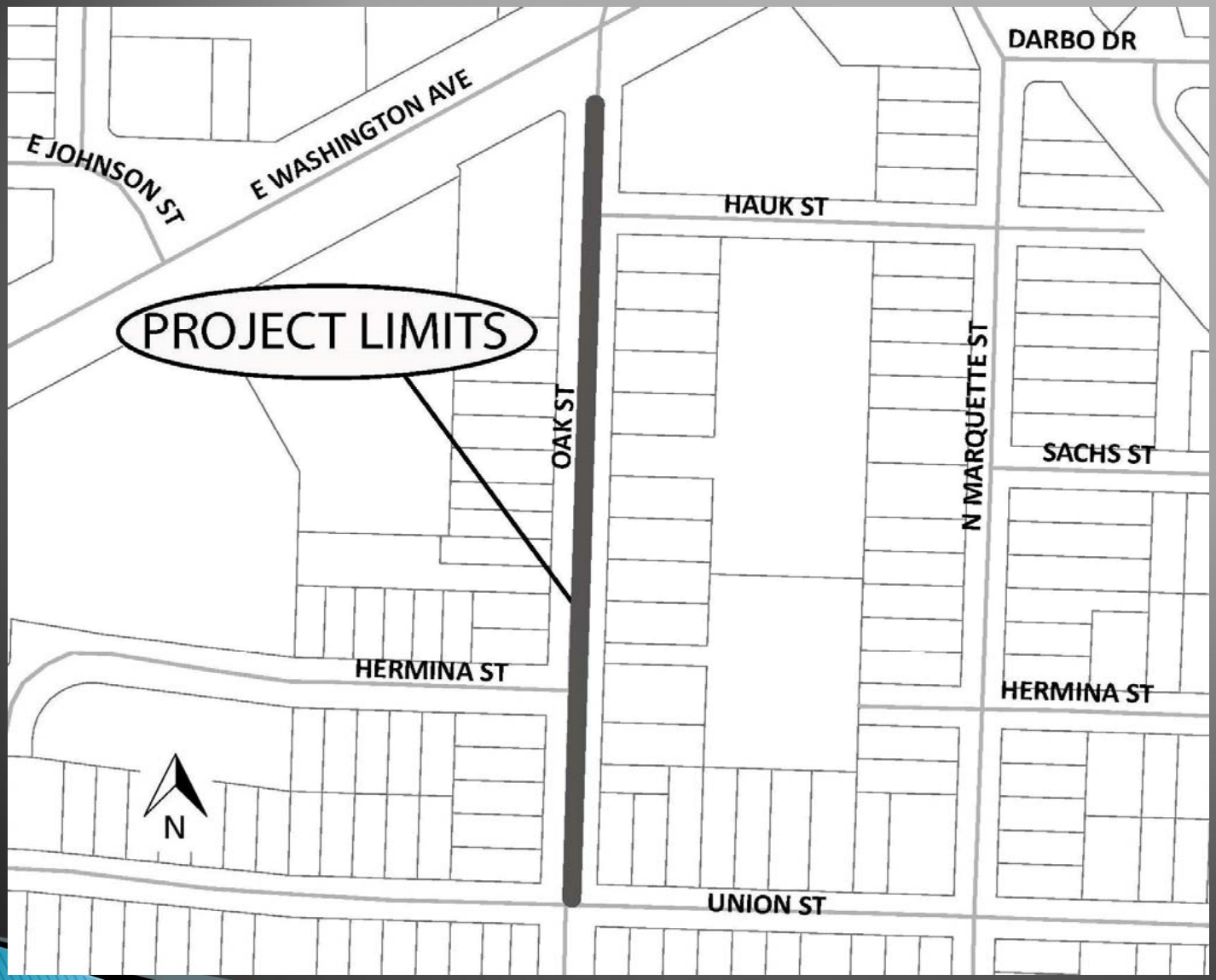
2019 Oak Street Construction Project

Public Information Meeting
March 18, 2019

Preview of Presentation

- 30 Minute Presentation on Proposed Project
- Existing Conditions
- Proposed Street & Utility Design
- Flood Prevention Tips
- Forestry Info
- Assessment Policy & Costs
- Project Schedule
- Construction
- Contacts
- Discussion

Location


DARBO DR
E JOHNSON ST
E WASHINGTON AVE
HAUK ST
PROJECT LIMITS
OAK ST
N MARQUETTE ST
SACHS ST
HERMINA ST
HERMINA ST
N
UNION ST

Existing Conditions–Oak Street

Item	Existing Condition
Last Surfaced	1989 (New Pavement)
Pavement Rating	3/10
Curb Rating	2/10
Width	30’
Surface	Asphalt
Sidewalk	Both Sides
Sanitary	8” Vitrified Clay 1927
Water	6” Sand Cast Iron 1928; 3 severe breaks in past year
Storm	15” Vitrified Clay 1928

Proposed Design–Oak Street

- Proposed Street Improvements
  - New asphalt pavement & stone base
  - New 6” curb & gutter and driveway aprons
    - Driveway aprons will be replaced with concrete
  - Spot replace sidewalk as needed
  - Street width will remain 30’ face of curb to face of curb
  - Limits of construction Union Street to East Washington Avenue

Proposed Design

Proposed Utility Design

- Sanitary Sewer:
  - Install new 8” PVC sanitary sewer in the street
    - Replace laterals from the new main to the property line
    - Install lateral backwater valves
      - Provide properties with additional protection from backups

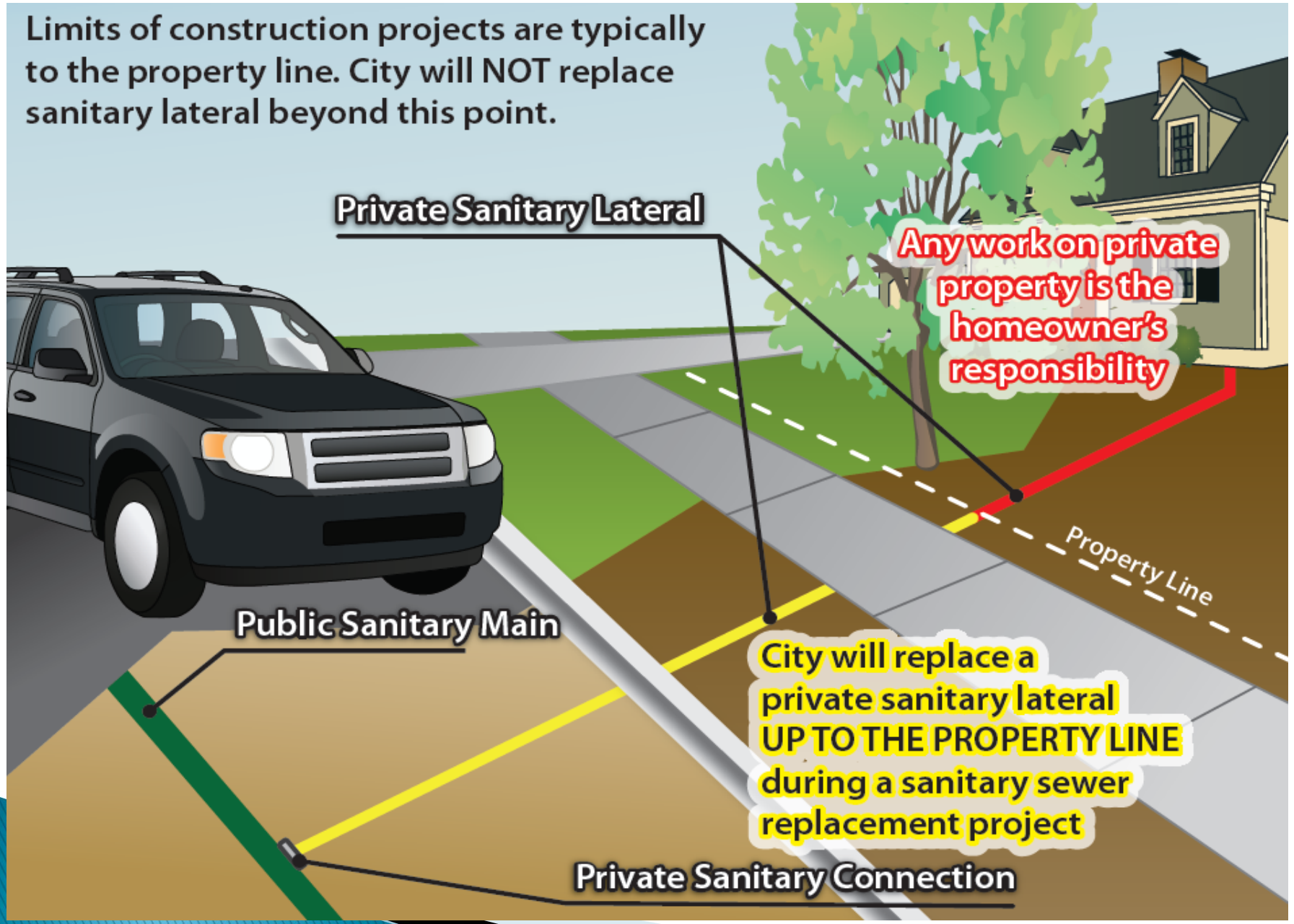
Proposed Utility Design

- Sanitary sewer lateral backwater valves
  - What are they?
    - A vertical standpipe pipe with a flapper valve that prevents wastewater from flowing into a basement (see display)
  - Where are they located?
    - New to sidewalk
  - Why are we proposing them here?
    - Homes built prior to 1980 are not protected by a functional sewer backwater valves and are at risk of backups
    - May prevent wastewater from a surcharged sewer or water from a water main break from entering the basement
    - Extreme wet weather events are becoming more common in Madison and as such, the frequency of backups into basements not equipped with a functional backwater valve is likely to increase.

Proposed Utility Design

- Sanitary sewer lateral backwater valves
  - How much do they cost?
    - City will pay 75% of the backwater valve and installation cost (City cost share amount up to $1,500)
  - What is needed for maintenance?
    - Backwater valves like sewer laterals are owned by the property owner and require scheduled maintenance to ensure proper function.
  - Do property owners have to participate?
    - No, property owner who do not want a backwater valve installed with the street reconstruction project can contact the project engineer and remove the backwater valve from the project

Utility Details – Sewer Lateral



Utility Details – Sewer Lateral Backwater Valve

City of Madison

Proposed Utility Design

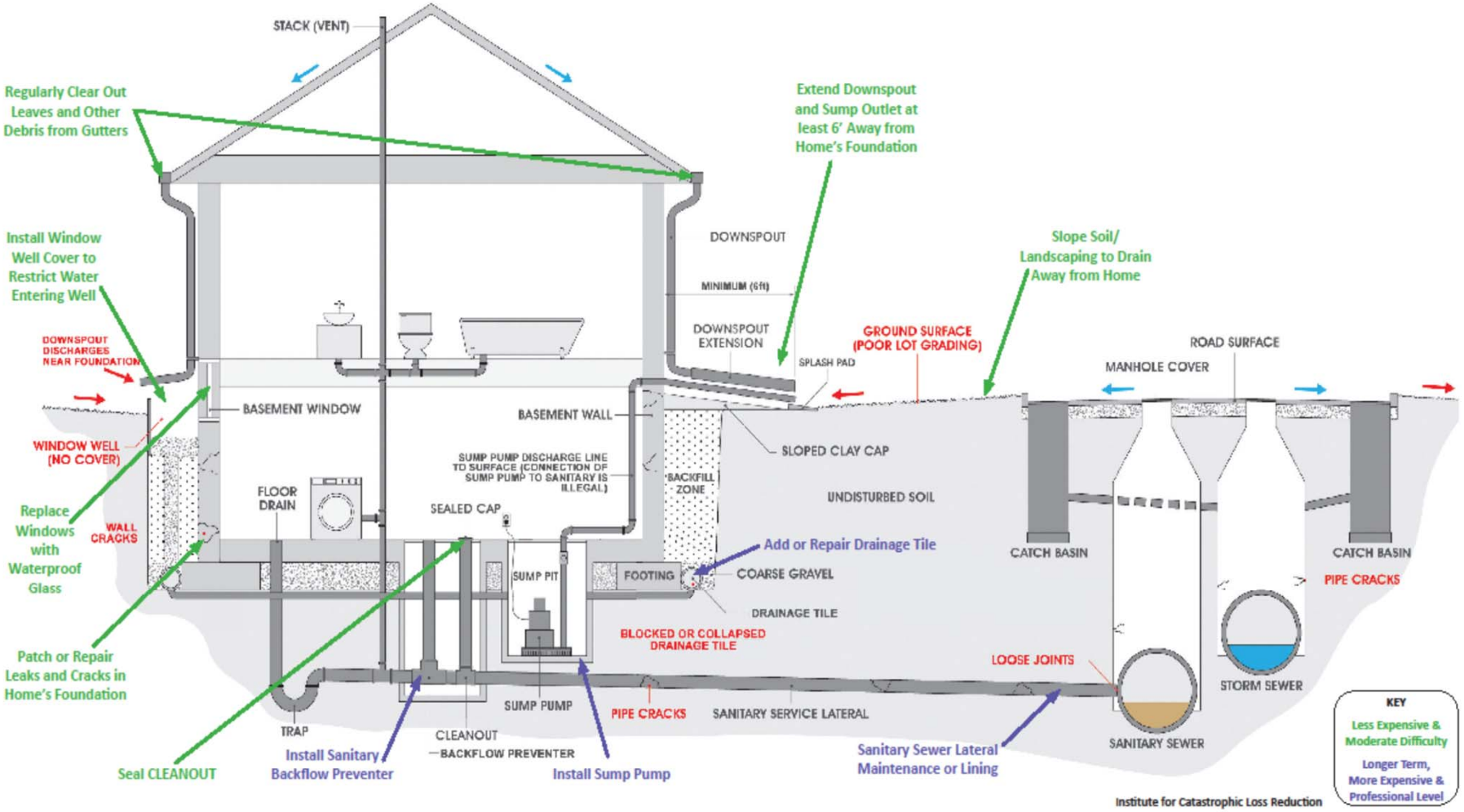
- Water Main:
  - Install new 8” Ductile Iron water main in the street
    - Reconnect services to the new main but not replaced unless they are broken or in poor condition

Proposed Utility Design

- Storm Sewer
  - Existing storm water flows in the storm sewer from Oak Street to Hauk Street
  - Install new storm sewer and inlets to collect storm water along street, especially at intersections

FLOOD PREVENTION **TIPS**

cityofmadison.com/floodprotection



City of Madison

Forestry

- City Engineering has reviewed the project with City Forestry & a Forestry rep will work with contractor & inspector during construction
- Trees will be pruned prior to construction to provide required clearance above street
- Locations of known removals:
  - 206 Oak Street (Lilac)
  - 202 Oak Street (Silver Maple)
  - 217 Oak Street (Norway Maple)
  - 241 Oak Street (Norway Maple)
  - 242 Oak Street (Norway Maple)
  - 245 Oak Street (Norway Maple, Hauk Street)

Forestry

- Reason for removal include:
  - Poor health/condition
- Methods of tree protection include:
  - Curb construction methods and instruction
  - Bends & limits of work for sewer laterals
- When the project is complete, Forestry will evaluate terrace for potential tree planning locations

Proposed Layout

Assessment Policy & Costs

Item	Property Owner Share	City Share
Curb and Gutter*	50%	50%
Sidewalk Replacement	50%	50%
Driveway Aprons	50%	50%
Intersect Curb & Pvmt	0%	100%
Sanitary Sewer Main	0%	100%
Sanitary Laterals	25%	75%
Water Main	0%	100%
Water Main Laterals	0%	100%
Storm Sewer Main	0%	100%
Priv Storm Connects	100% (if any)	0%

- *Curb & pavement assessed per linear ft. of frontage

Assessment Policy & Costs

- Approximate property owner costs for items
  - Driveway apron replacement approx. $1,200 each
  - Curb & gutter replacement approx. $20 per ft.
    - Additional 50% discount for corner lots
  - Sidewalk replacement approx. $7 per sq. ft.
    - Additional 50% discount for corner lots
  - Sewer lateral replacement approx. $2,000 each
  - For 40’ of lot frontage estimate: $5,000
  - Frontages vary 33’-243.50’

Assessment Policy & Costs

- Assessments can be paid in lump sum or typically over 8 years with 4% interest
- Final assessments will be mailed in the summer of 2020, following the project completion
- Final assessments will be calculated based on bid prices & measured quantities

Project Schedule

- Mail estimated assessments and Public Hearing Notice – April 5, 2019
- BPW Public Hearing – April 17, 2019
- CC Hearing – April 30, 2019
- Advertise for Bids – May 2019
- Start Construction– July 2019

Construction

- Road closed during project, local traffic only
- Street parking removed during working hours (7am-7pm) for project duration
- Residential driveways accessible for most of project but closed up to a cumulative total of 21 days, notified before
  - Not accessible when contractor is working directly in front
  - Closed when curb & gutter installed & driveway apron installed
- Likely 2 planned water shutoffs, 6 hours each, notified before
- Approximately 4 months to complete work
- Potential opportunity for installing rain gardens with the project within the terrace as a cost share between the City and property owner
  - Contact Carissa Wegner (cwegner@cityofmadison.com) for more information
  - Deadline for rain gardens to be incorporated is April 5, 2019

Construction

- Existing landscaping plantings within the terrace (area between curb & sidewalk) will likely be impacted if it conflicts with curb & gutter, sidewalk or sanitary and storm sewer installation
  - If you wish to save any landscaping, it should be removed prior to the start of work in July of 2019
- Stone or brick pavers within the terrace or adjacent to your driveway that you wish to save should be removed prior to construction and reinstalled by you after construction is complete
- After construction, disturbed areas will be covered with 6 inches of topsoil, erosion mat and seed
  - The contractor is responsible for 10 days of watering. After 10 days, it will be up to the resident to continue to water and mow in order for healthy grass to establish

Contact Information/Discussion

- Project Manager – Andrew Zwieg, 266-9219, azwieg@cityofmadison.com
- Sanitary & Storm Sewer Design – Daniel Olivares 261-9285, daolivares@cityofmadison.com
- Water Utility – Kelly Miess 261-9640, kmiess@madisonwater.org
- Traffic & Parking– Jeremy Nash, 266-6585, jnash@cityofmadison.com
- Forestry – Marla Eddy, 266-4450, meddy@cityofmadison.com
- Construction Project Manager – John Fahrney, 266-9091, jfahrney@cityofmadison.com
- Project Website: https://www.cityofmadison.com/engineering/projects/oak-street