

North Oaks Future Infrastructure Improvements

January, 2024





Unique Needs of North Oaks

- North Oaks Company
 - Developer
- North Oaks Home Owners' Association
 - Roads (incl. maintenance, snowplowing, culvert repair, etc.)
 - Trails, Parks and Recreation
 - Architectural Supervisory Committee (ASC)
- City of North Oaks
 - Gov't Entity/Ordinances/Safety/Utilities/Planning

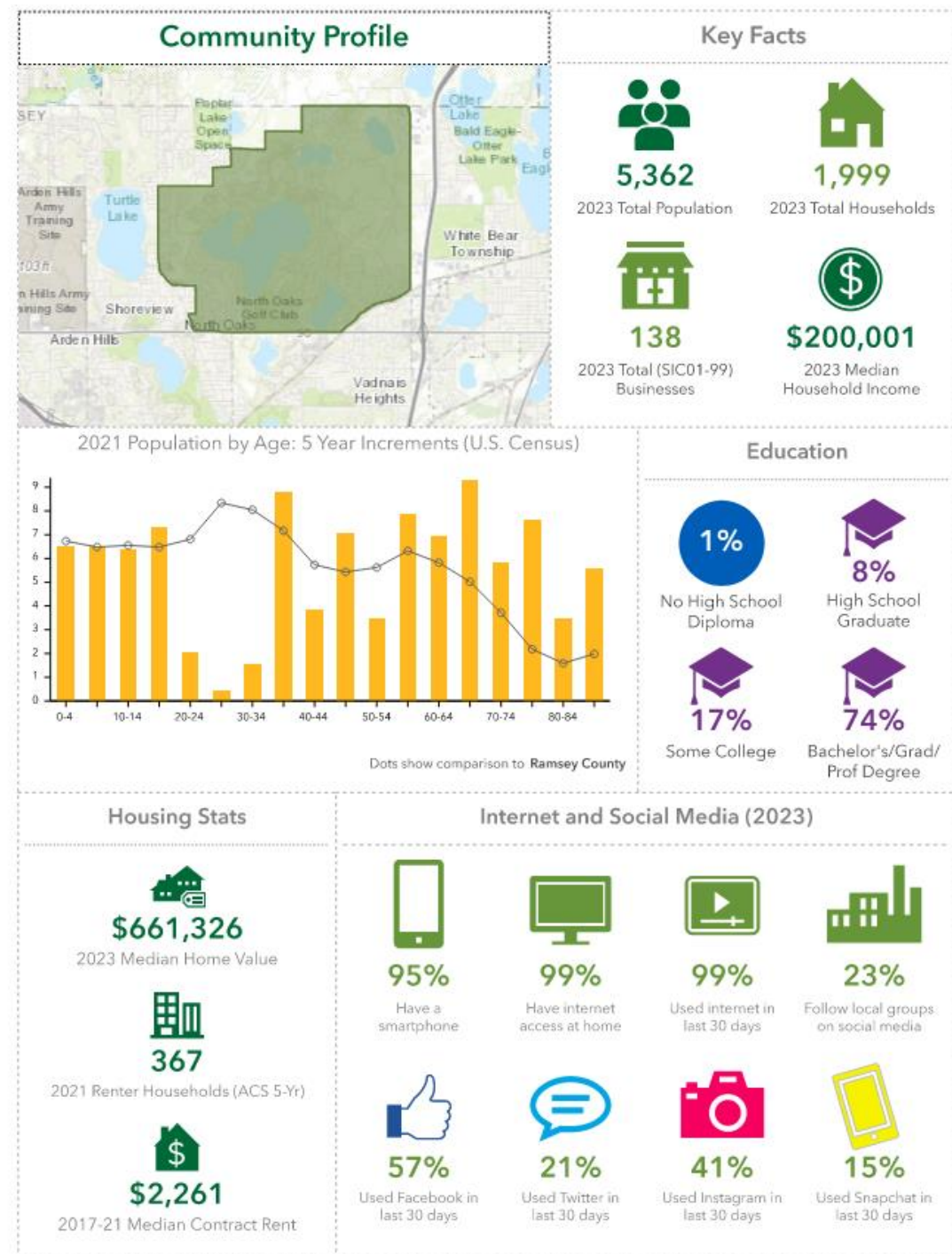
Stakeholders

- North Oaks Home Owners' Association (NOHOA)
- North Oaks Company
- City of North Oaks
- White Bear Lake Township
- City of Lino Lakes
- City of Shoreview
- City of Vadnais Heights
- Vadnais Lake Area Watershed Management Organization (VLAWMO)
- Metropolitan Council
- St. Paul Regional Water Services (SPRWS)
- Ramsey County
- MnDNR
- MPCA
- North Oaks Golf Club

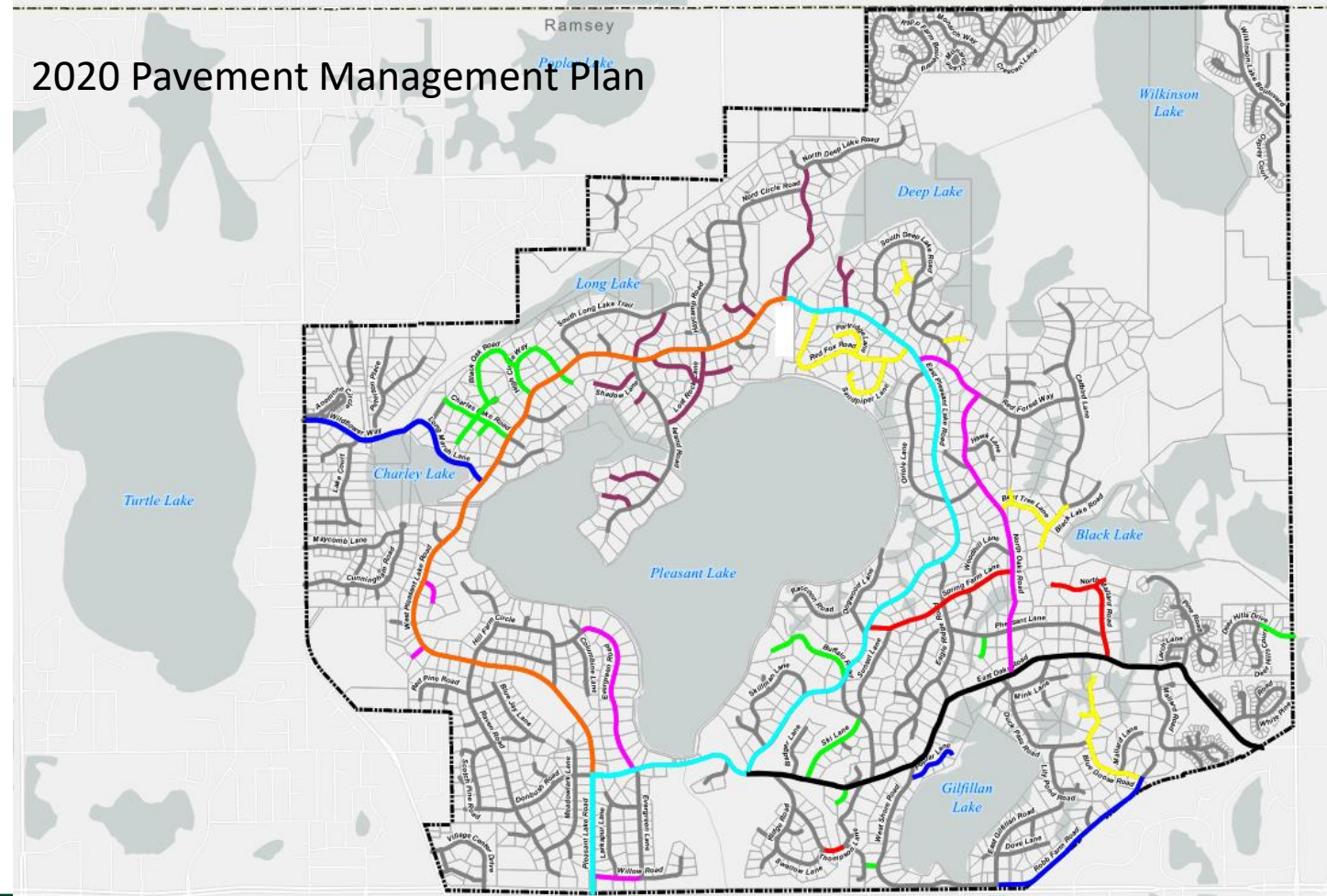
Audience

- Stakeholders
- Gather resident input
- Current Demographics

North Oaks report ➡



2020 Pavement Management Plan



Streets

- Private streets maintained by NOHOA
- Municipal utility access & maintenance
- Maintaining privacy for the residents of North Oaks
- Grant funding could potentially finance streets
- Possible outside funding sources

Key Benefits

North Oaks Street Improvements

Accident Reduction

Significantly lowers the risk and frequency of vehicular accidents, contributing to a safer driving environment.

Pedestrian & Cyclist Safety

Enhances safety features for pedestrians and cyclists, promoting a more walkable and bike-friendly community.

Improved Road Surface

Offers a smoother, more durable road surface, reducing vehicle damage and maintenance needs.

Emergency Response

Facilitates quicker and more efficient emergency response times, ensuring rapid assistance in critical situations.

Environmental Sustainability

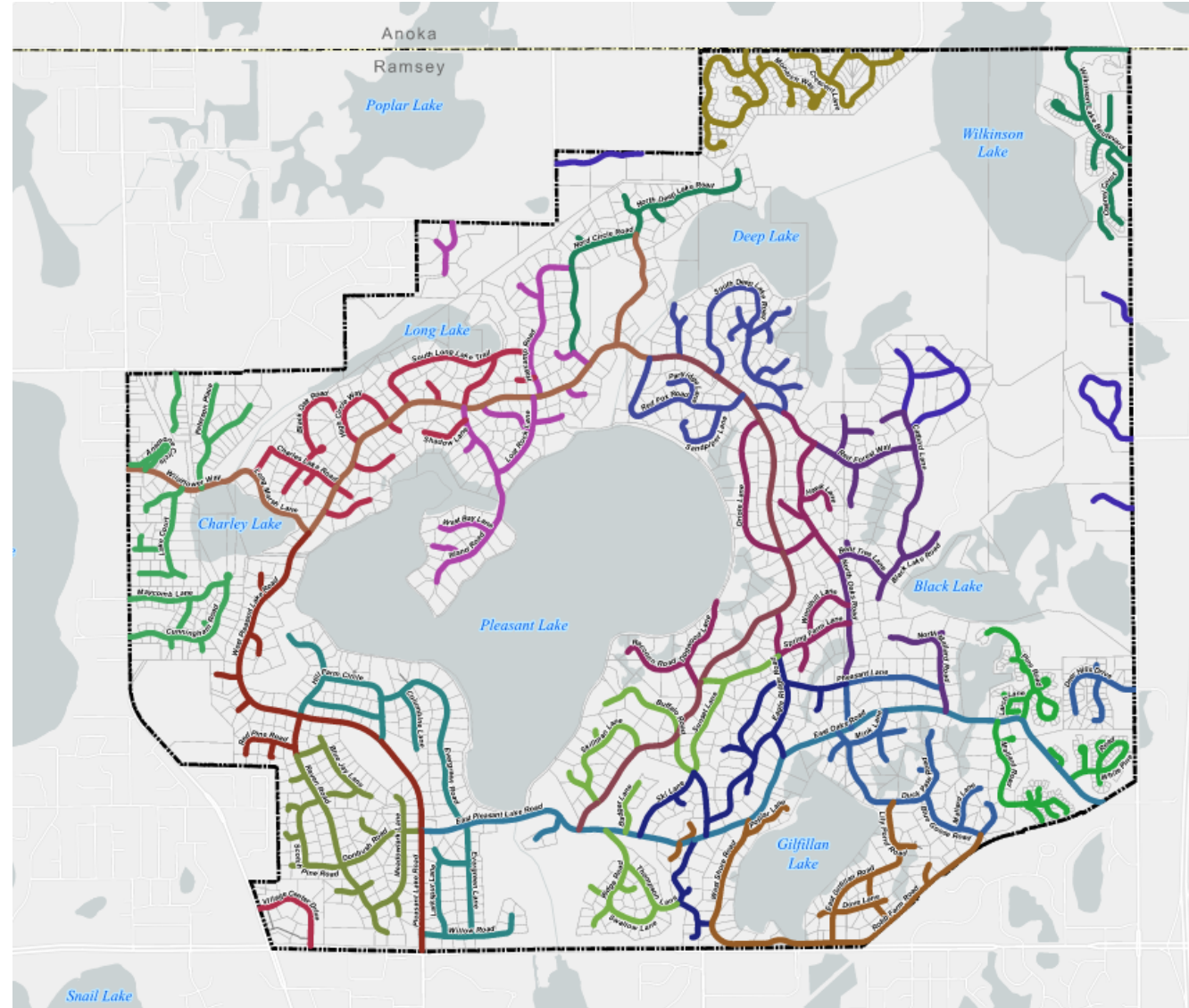
Promotes a greener and cleaner environment by reducing vehicle emissions and incorporating eco-friendly construction practices.

Enhanced Property Value

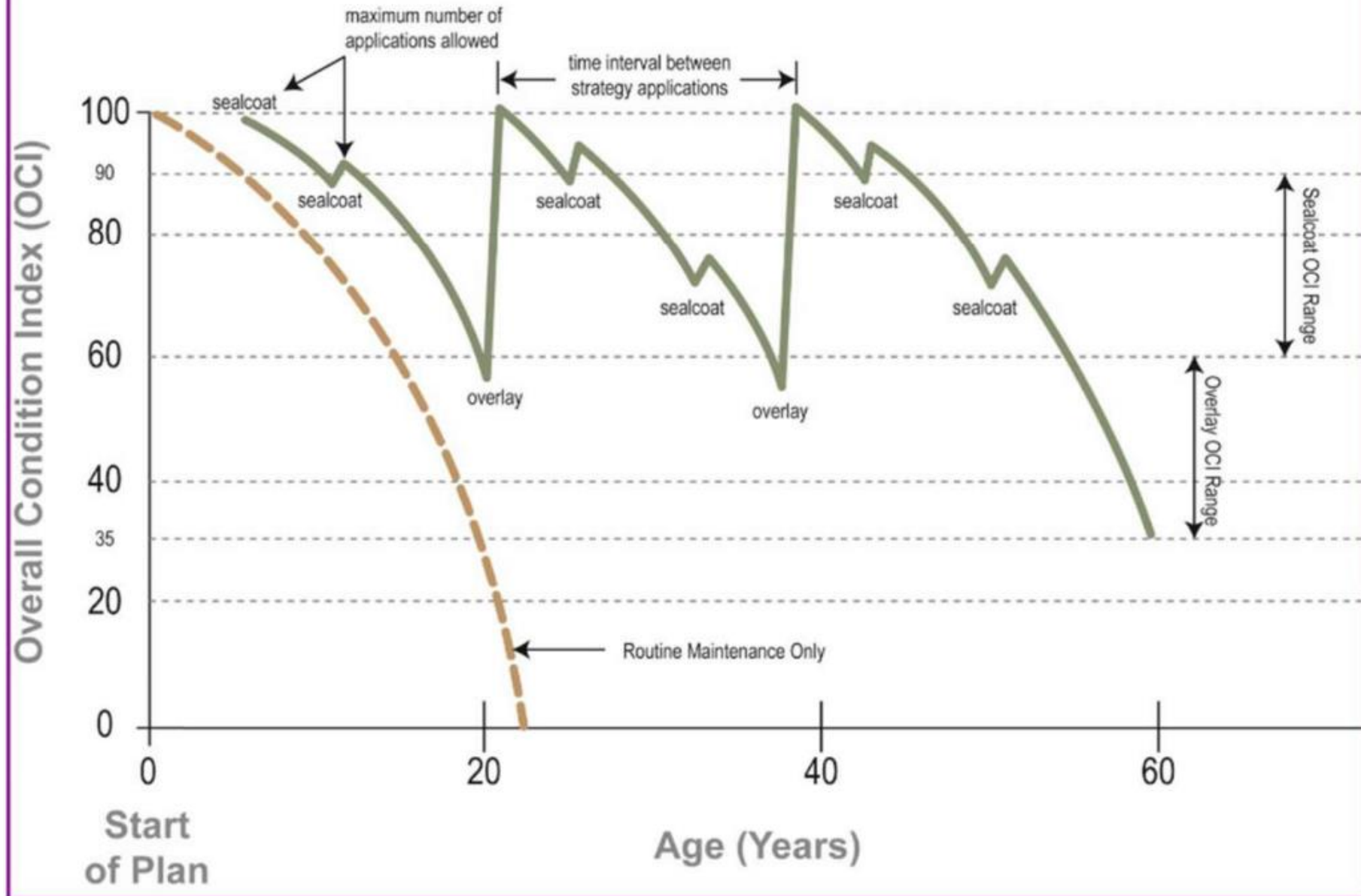
Boosts local property values by improving the overall aesthetic and functionality of the area's infrastructure.

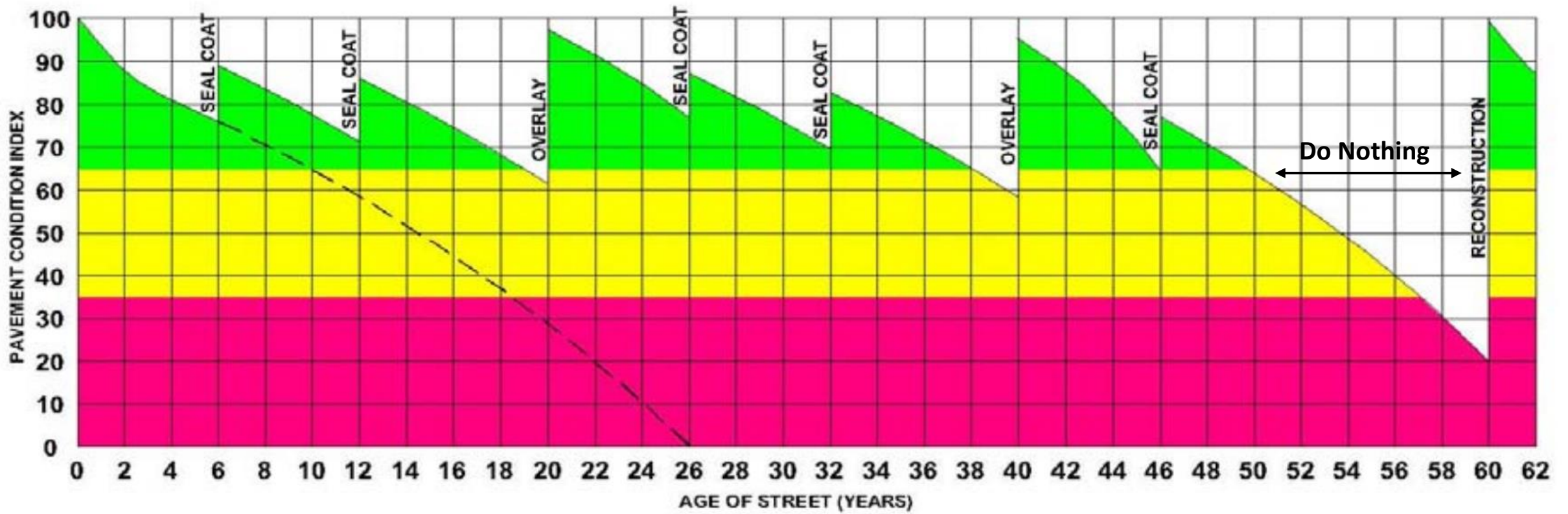
Street Reconstruction & Utility Coordination

- Approx. 57 miles of Streets
 - Approx. 10 miles Minor Collector
 - Approx. 47 miles Residential
- 20 years = 2.85 miles/year



Pavement Lifecycle

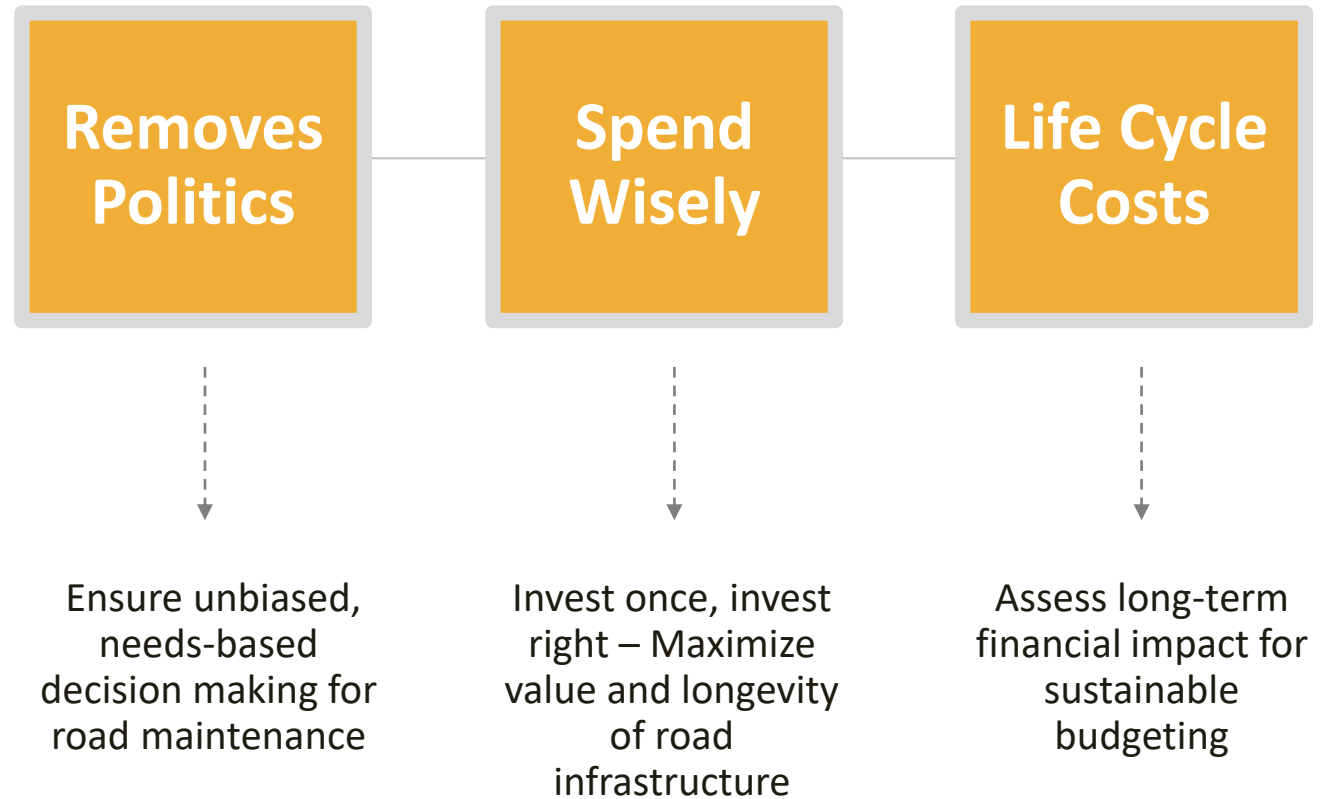




NORMAL ROAD LIFE WITH MAINTENANCE

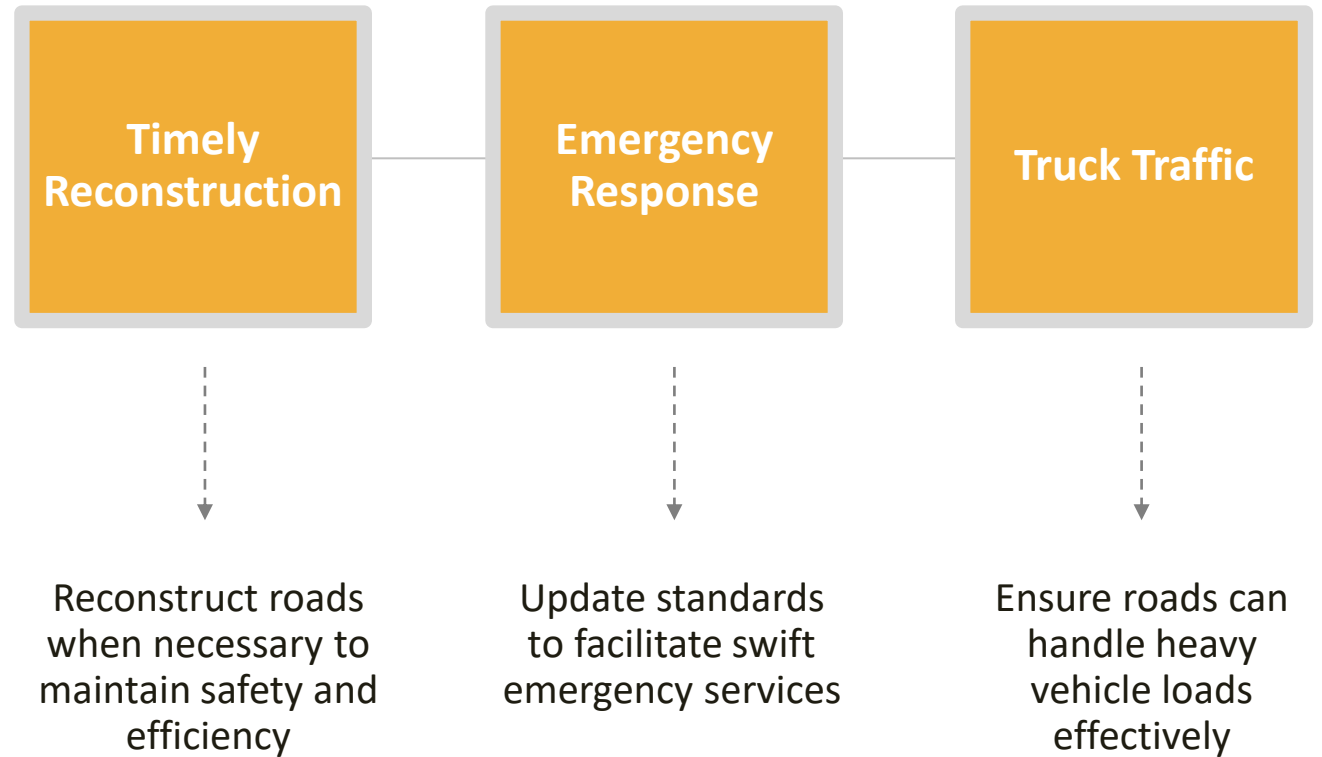
Support Pavement Management Plan

Strategic Decision-Making Approach



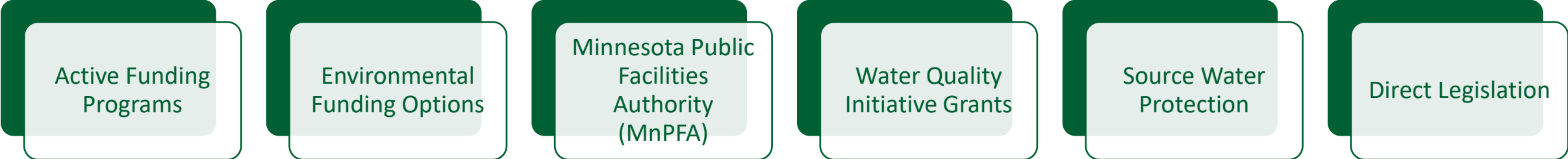
Support Pavement Management Plan

Technical Considerations



Funding

Proactive planning and strategic foresight position communities to capitalize on diverse funding opportunities, ensuring long-term sustainability while diligently maintaining the privacy of community members.



Active Funding
Programs

Environmental
Funding Options

Minnesota Public
Facilities
Authority
(MnPFA)

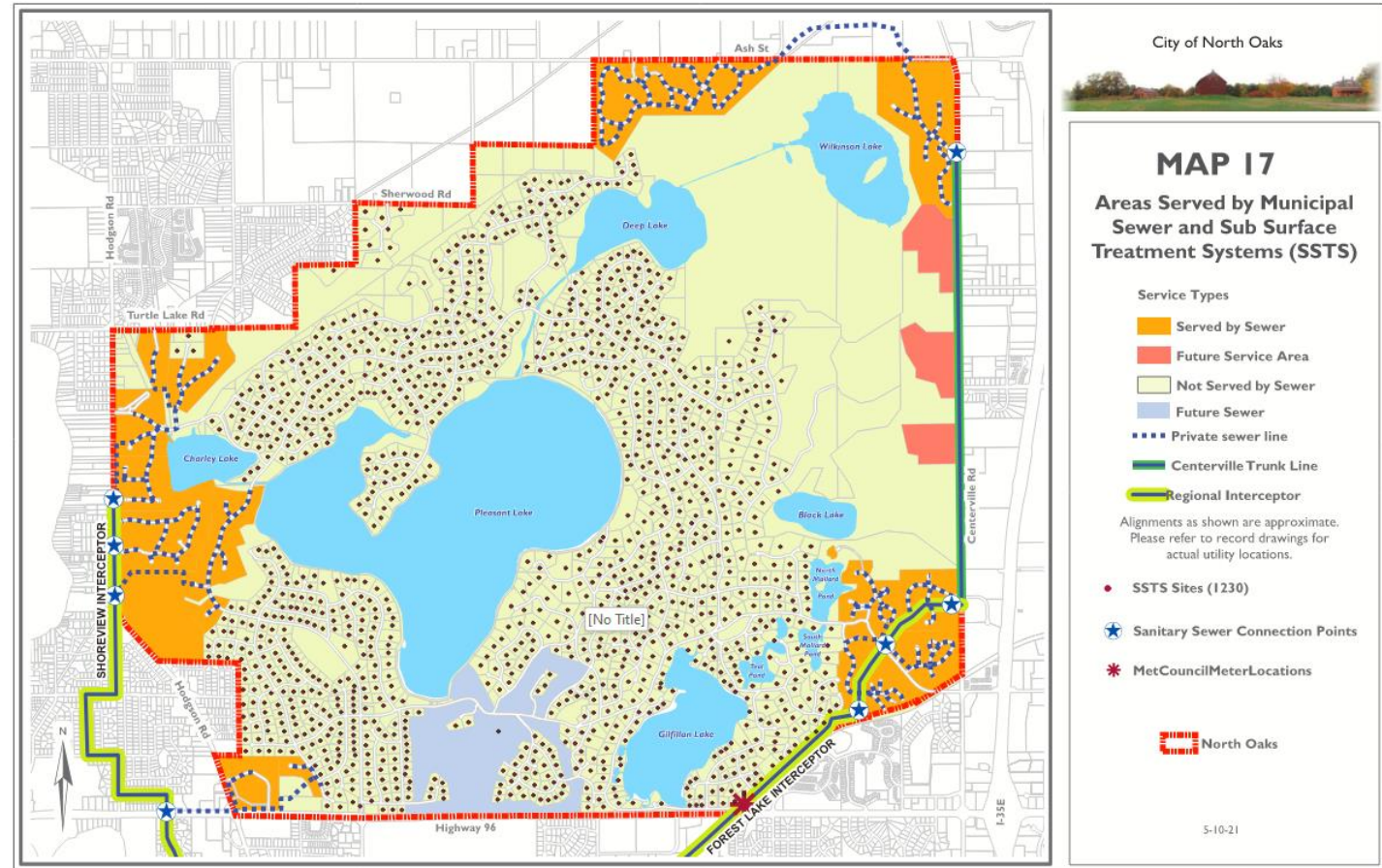
Water Quality
Initiative Grants

Source Water
Protection

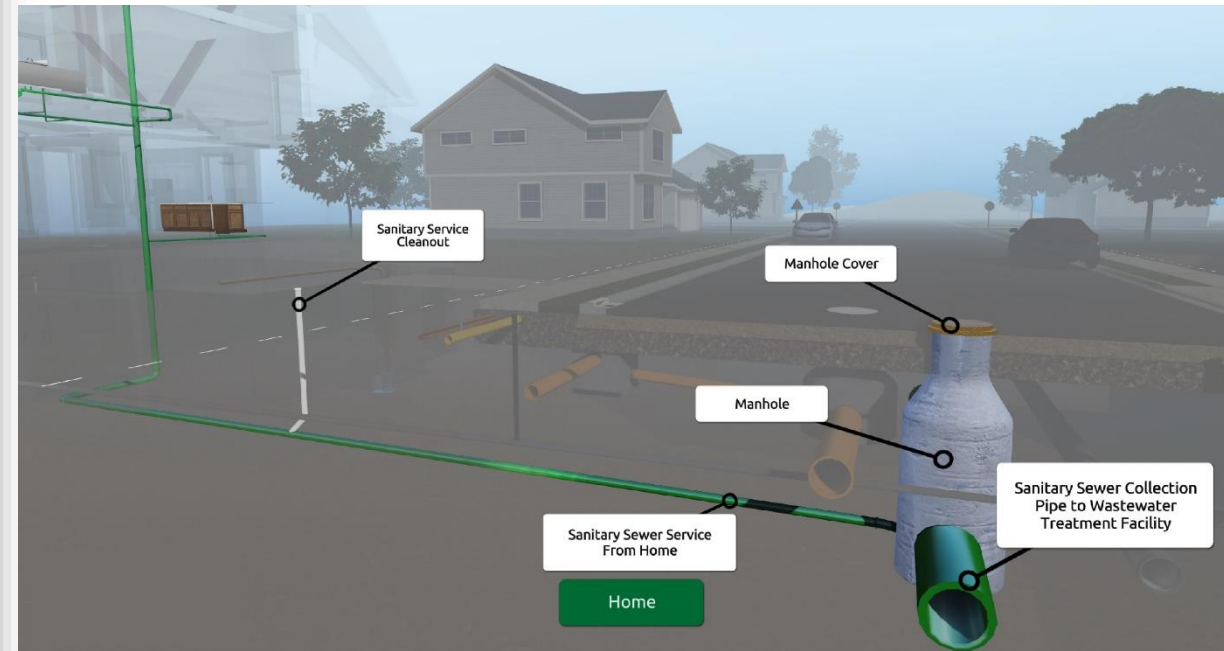
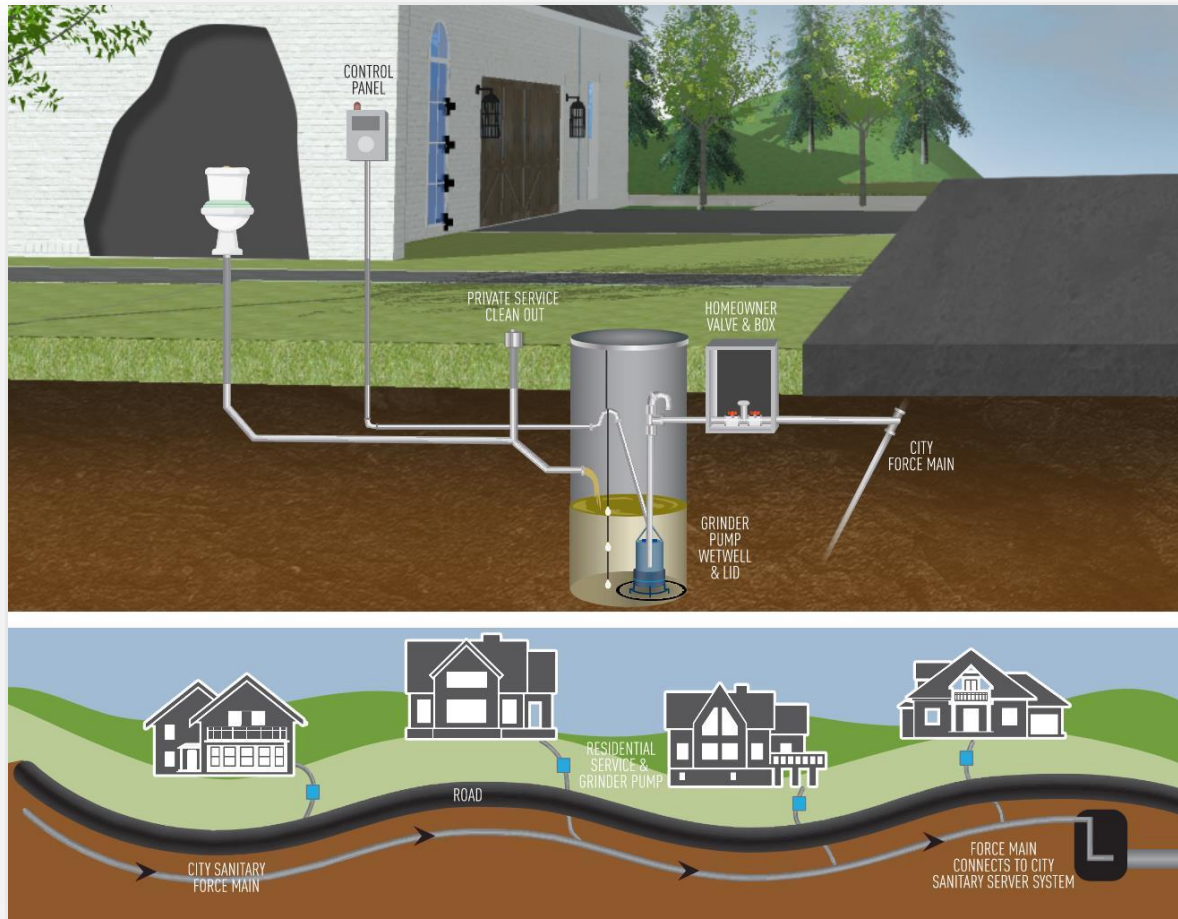
Direct Legislation

Sanitary Sewer Extension

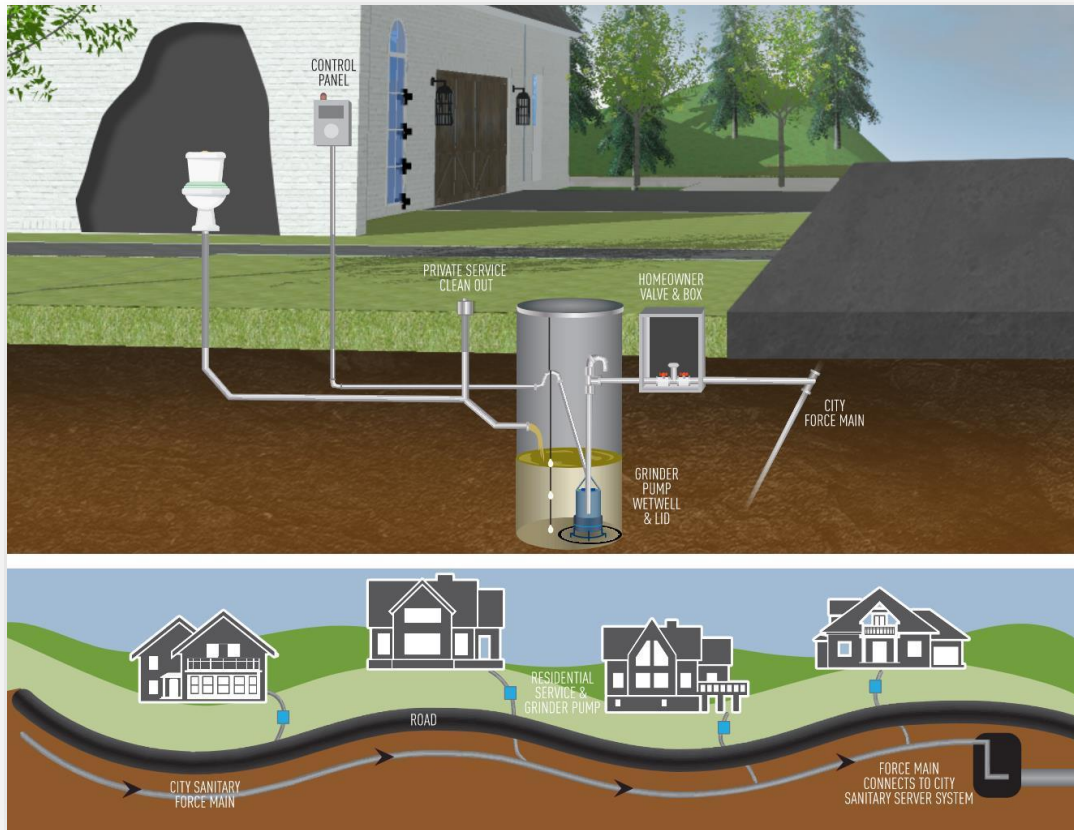
- 1230 existing SSTs
- Met Council Interceptors
- Capacity evaluations
- Lift station minimization
- Low pressure vs gravity options
- Decision Matrix / Priorities
- Protection of natural resources



Low Pressure Vs Gravity Systems

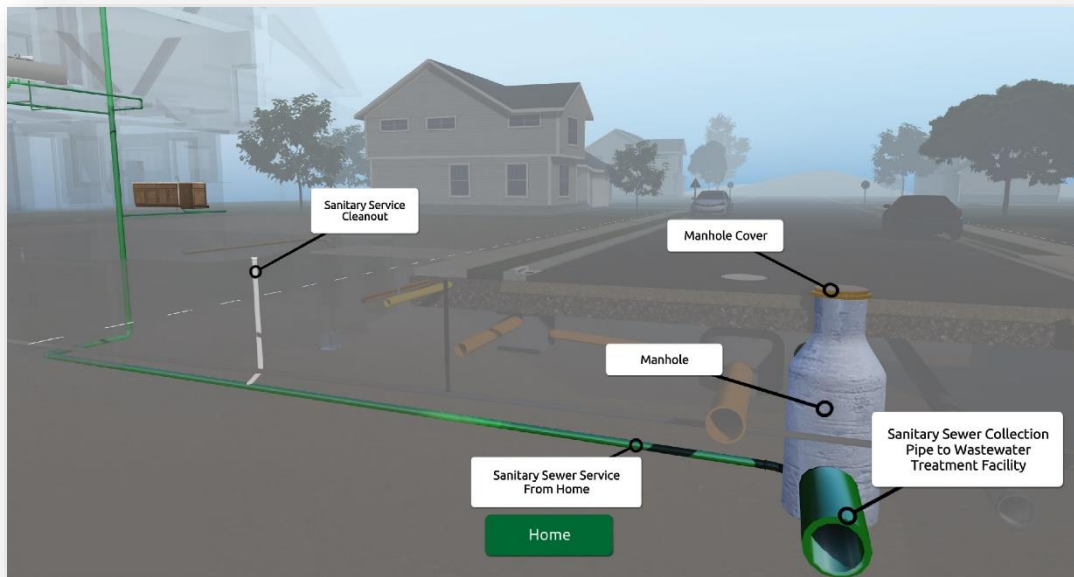


Low Pressure



- Flexible routing
- Minimal impact on trees both in street and yards.
- Directional Drilling for most pipe installation.
- Shallower bury depth 8' vs 12'-25'
- Less impact with repairs
- Homeowners monitor maintenance.
- Individual pumping stations
- Replace pumps at 10-20+ years

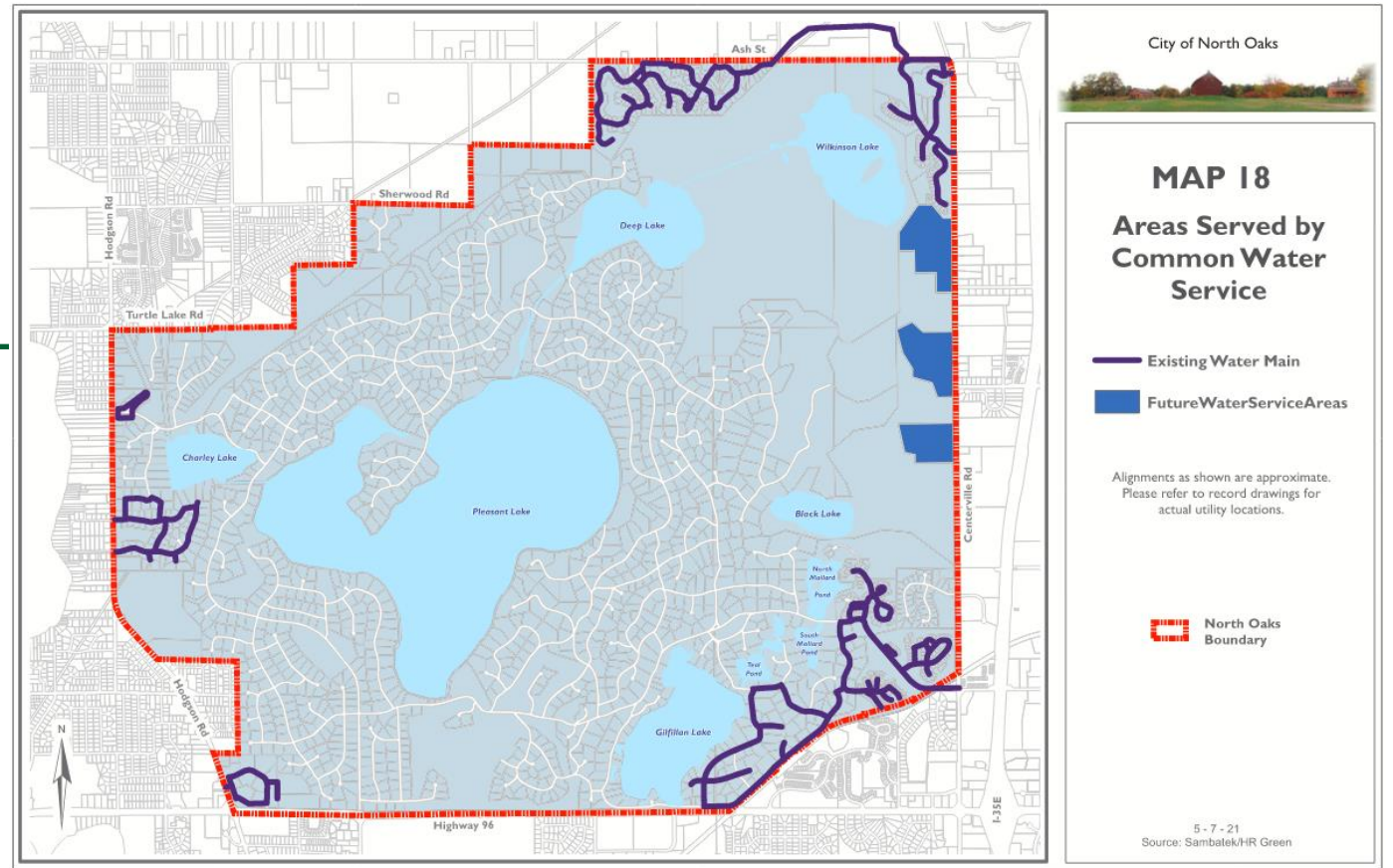
Gravity System



- Only major lift stations are reliant on electric power.
- Little homeowner maintenance.
- 50–75-year life
- High Capacity
- Large environmental impact on trees and yards.
- Deep digging for repairs
- High initial cost

Water Extension

- Some water service areas from adjacent communities via agreements
- Fire Protection
- White Bear Lake ruling – 5 miles
- St Paul Regional Water Services source water
 - Charley Lake
 - Pleasant Lake



St Paul Regional
Water Service Area

Communication is Key

01

What are the infrastructure needs for the city?

02

What are the short-term needs?

03

What are the long-term needs?

04

A coordinated effort between City, NOHOA, and NOC to balance the needs and costs of the Master Infrastructure Plan.

Community Engagement



Work with the City Council and City Staff to develop a public engagement plan that works for North Oaks



Provide an opportunity for the public to provide input



Use an interactive website for resident input and updates



Meetings with the City Council, NOHOA, and NOC



Community engagement activities

Tools – Informative


- Website
- Email + text subscription

DOWNTOWN HIGHWAY 41 PROJECT

WELCOME!

This site provides information about the Downtown Highway 41 Project. Construction will begin on the new parking lots and parts of Highway 61 in the fall of 2022, and Highway 41 will be reconstructed from spring to fall of 2023.

Stay up-to-date on the project by [signing up to receive updates by email or text](#).



SIGN UP FOR UPDATES

[Subscribe for updates by email or text](#)

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952-679-3931

Text updates



OUR TEAM HAS SENT

2,040+ EMAIL BLASTS

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CHASKA
Downtown Highway 41 Project

December 23, 2022

[Español](#)

What lies ahead this winter?

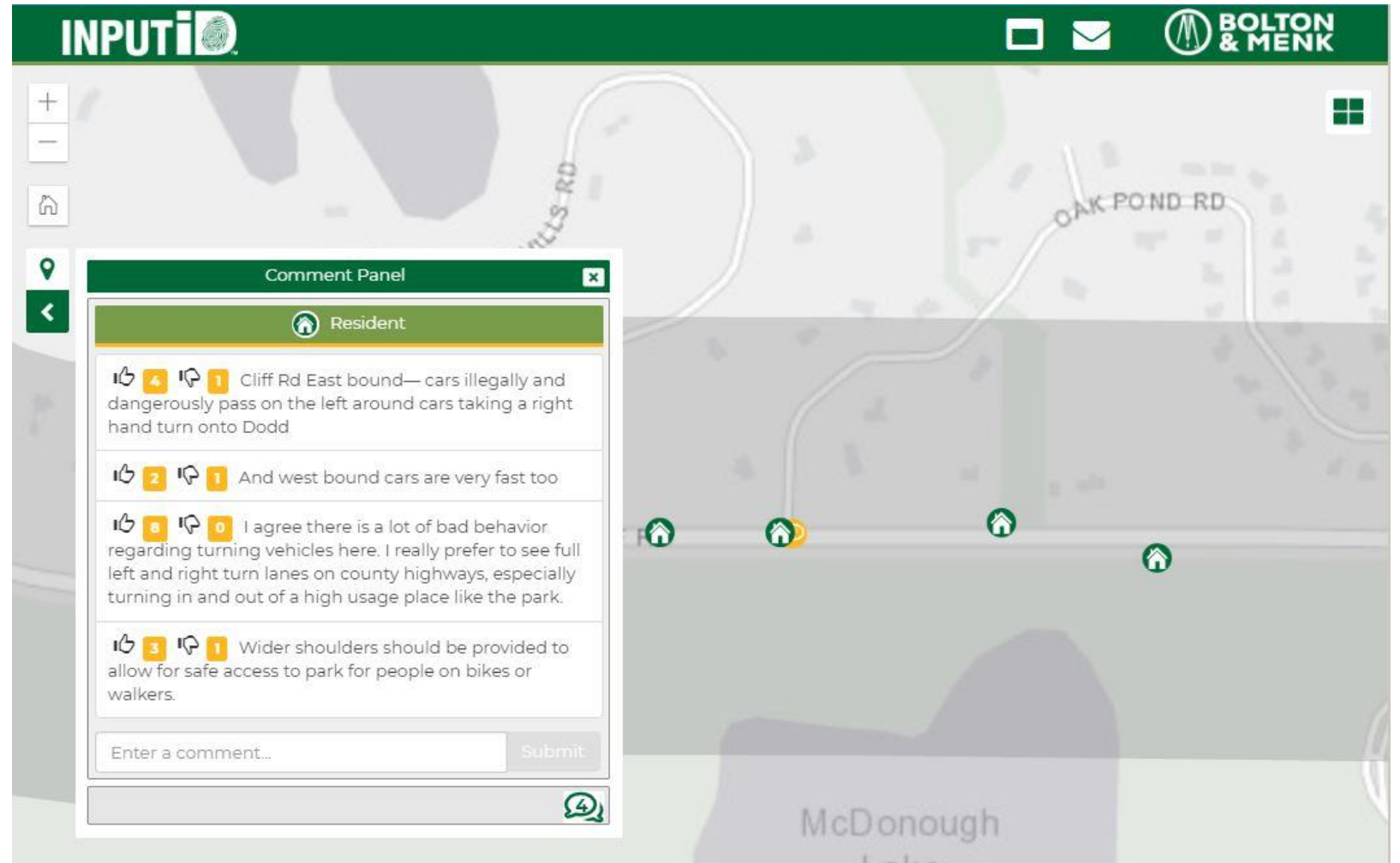
From the frigid temperatures to the piles of snow, winter is officially here! As we move into these winter weeks ahead, you may continue to see utility crews on site performing various activities around the project area. Crews will also begin some work just north of 5th Street (near the Chaska Mill) for the future pedestrian tunnel. This work will begin in early January 2023. Stay tuned for more details on this next week!

Thank you for all of your patience this year. Happy holidays!

Email updates can also include translations!

Tools – Interactive

- Interactive Website
- Comment mapping
- Survey





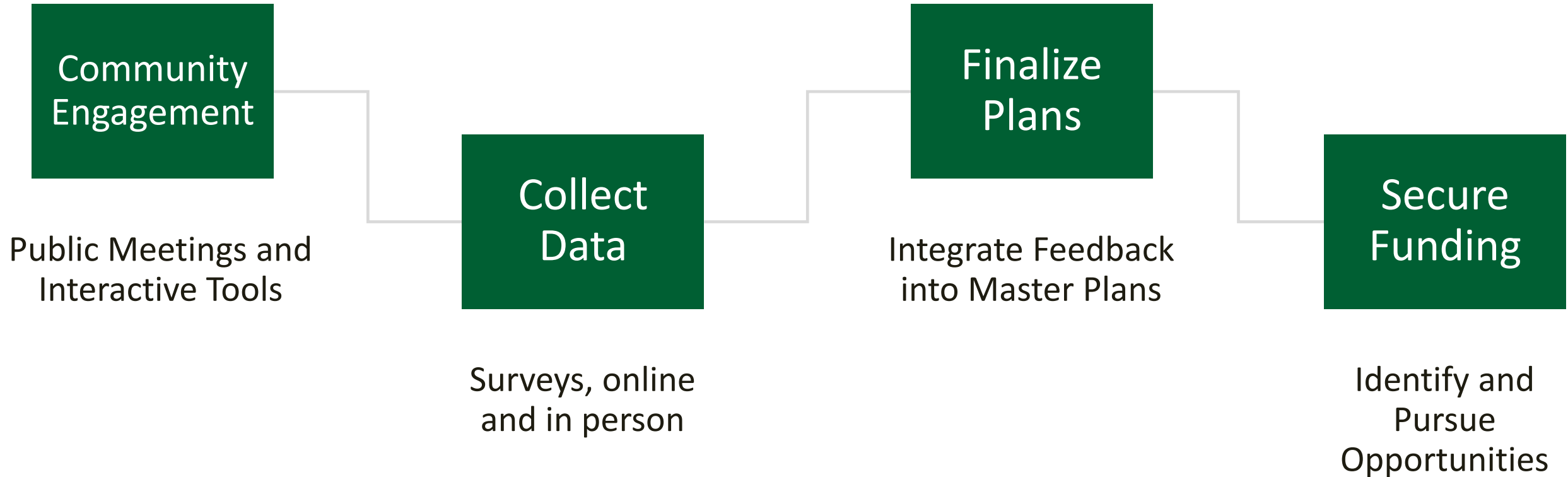
Tools – In-Person

- Open houses
- Pop-ups
- Resident meetings
- City Council updates
 - Finalize engagement effort
 - Review engagement outcomes
 - Discuss study assumptions and outcomes



Next Steps

Moving Forward Together



A background image showing two construction workers in a field. They are wearing hard hats and high-visibility vests. One worker is in the foreground, slightly out of focus, holding a clipboard. The other worker is in the background, also holding a clipboard. The image is overlaid with a semi-transparent green filter.

**Coordination and
Communication is the
key to a successful
Infrastructure Plan!**
