



Beloit

WISCONSIN

Department of Public Works

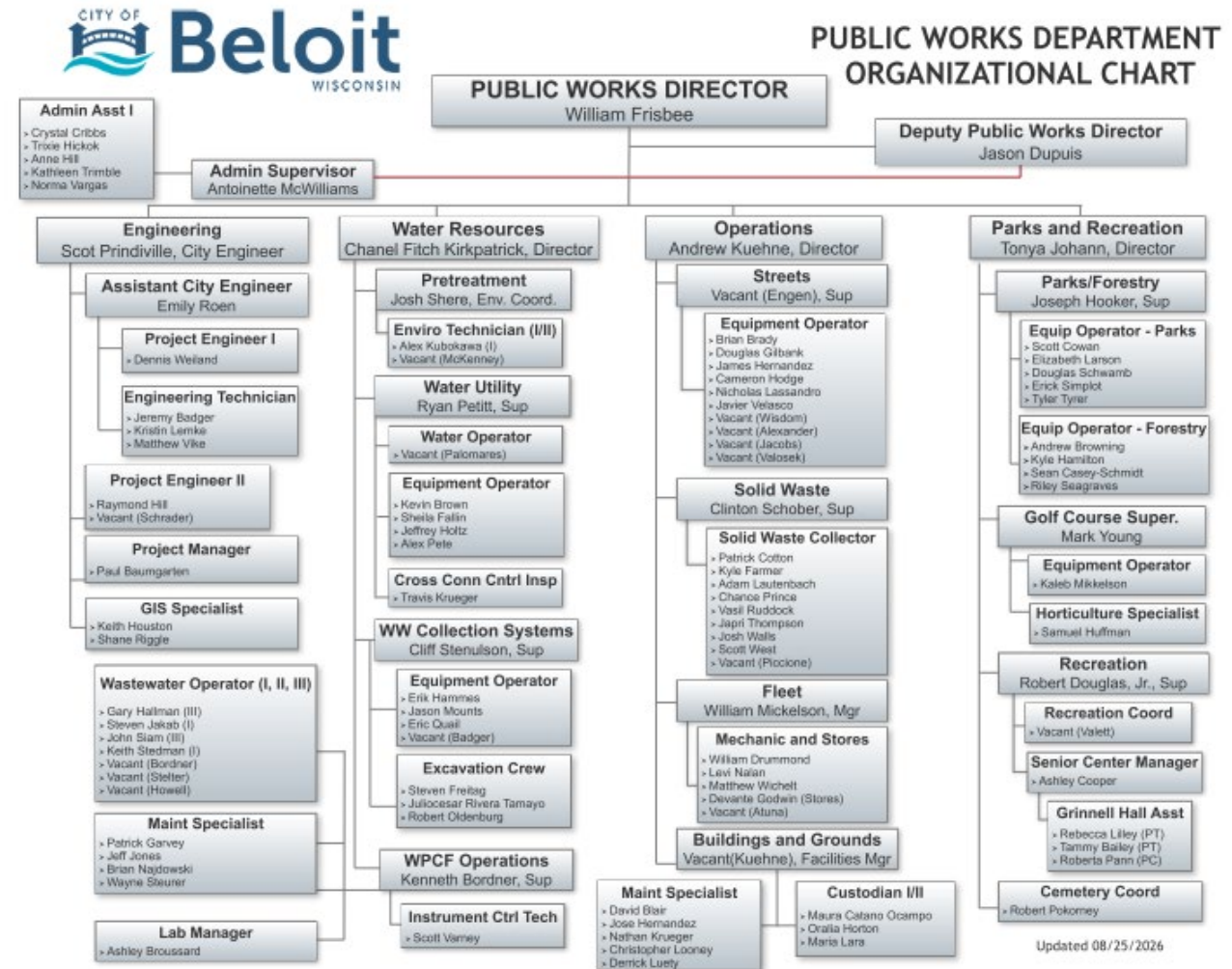
What is part of the Department of Public Works (DPW)?

- Operations
 - Streets & Traffic Control
 - Solid Waste & Recycling
 - Fleet & Central Stores
 - Citywide Facilities Maintenance
 - Snow & Ice Control
- Parks & Recreation
 - Parks Maintenance
 - Recreation
 - Forestry
 - Golf & Horticulture
- Water Resources
 - Water Pollution Control Facility
 - Collections
 - Pretreatment
 - Water Utility
 - Storm Water Utility
- Engineering



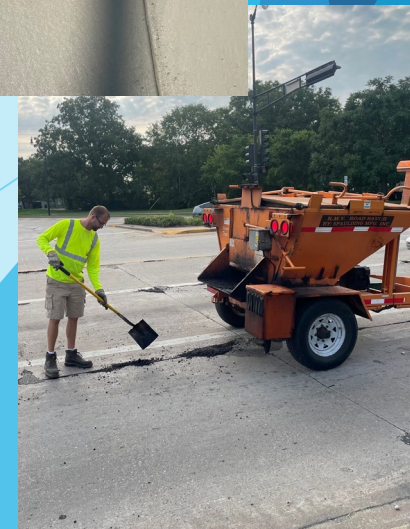
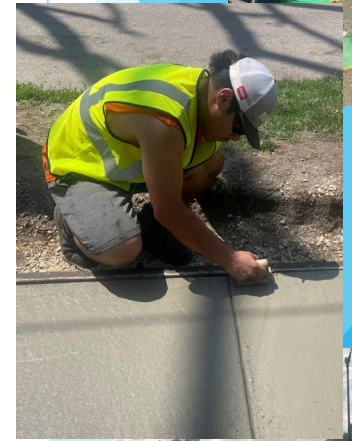
What is part of the Department of Public Works (DPW)?

- 110 FT/PT Employees
 - Currently have 17 vacancies
- Approximately 175 Seasonal Positions
- Struggle to fill all of them
- Operating Budgets
 - General Fund \$ 7,960,601
 - Solid Waste \$ 3,090,766
 - Golf Course \$ 696,184
 - Cemeteries \$ 351,566
 - Water Utility \$ 6,395,000
 - Wastewater Utility \$ 9,905,343
 - Storm Water Utility \$ 1,694,430
 - Fleet \$ 1,497,395
 - CIP Engineering \$ 722,397
 - Total \$32,313,682**
 - Capital Improvement Budget
 - Annual average \$5.5M General Fund
 - 2026 Total \$14,356,006



Streets & Traffic Control

- 8 Streets Equipment Operators, 2 Traffic Control Equipment Operators, 1 Streets Supervisor
- Street Sweeping- March-November , city is swept 6-7 times a year.
- Concrete Repair- City staff replaces sections of damaged pavement on the streets, repairs and rebuilds storm drains inlets. Street milling is to remove humps in the road, and create joints for resurfacing the road. Streets staff work with Engineering to determine the repairs that will be done by the city and larger repairs by a contract.
- Asphalt Repair-The purpose of pothole patching is to improve the safety conditions on the roadway and performed throughout the year.
- Crack Sealing-The operation involves heating and blowing the cracks with hot air lance, then following with the crack sealing. This operation is performed spring through fall. Currently this work is contracted.
- March-November the streets work group assists with mowing
- Traffic Control produces traffic signs, performs street painting, facilitates street closures and mailbox repairs.



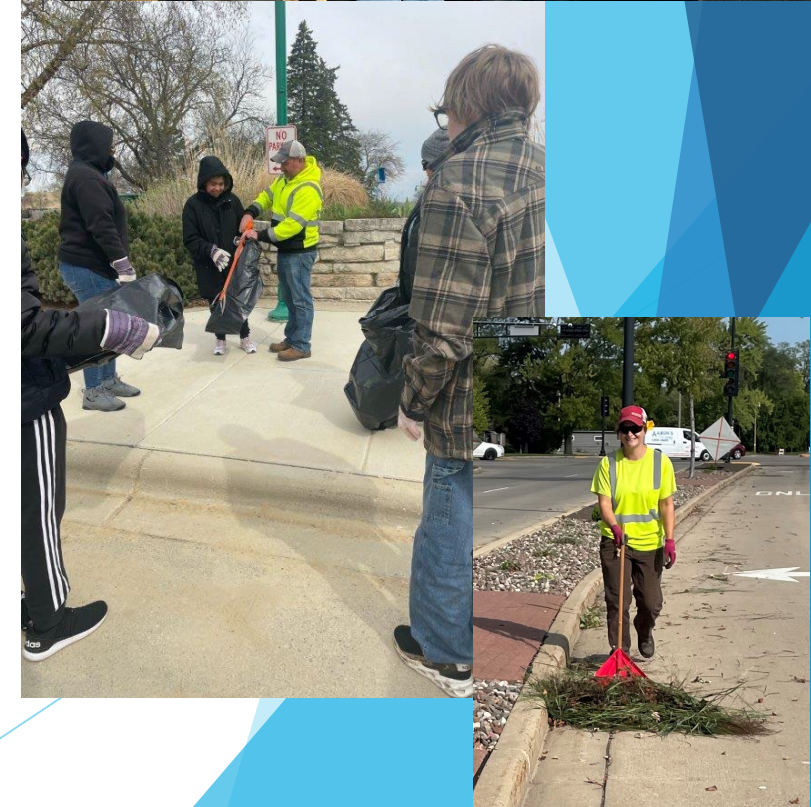
Solid Waste & Recycling

- 9 Solid Waste Collectors and 1 Solid Waste Supervisor
- 7 Automated Trucks, 3 Rear Loaders, 3 Tractor Trailers, 1 Pick Up Truck
- 3 semi-loads of trash per day go to the landfill in Janesville
- 4-5 loads of recycling go to Pellitteri in Madison per week
- 13,000+ homes and 31 city facilities
- 50+ ADA/Special Collection stops weekly
- 25,000 carts are emptied weekly
- In 2025
 - 11,967 tons of trash was collected
 - 2,678 tons of recycling was collected



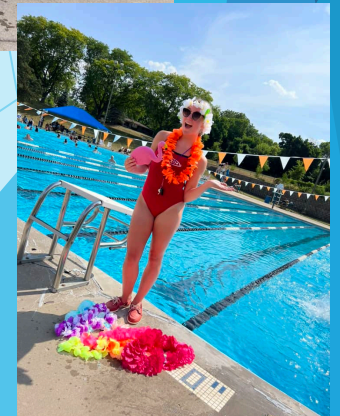
Parks & Forestry

- 5 Parks Equipment Operators, 4 Forestry Equipment Operators, 1 Parks & Forestry Supervisor
- Both crews assist with fall leaf vac services as well as snow removal operations.
- Forestry Crew
 - Maintain approximately 25,000 trees in city parks and right of ways
 - On average the crew removes 275 trees, trims 900 trees and plants 150 trees per year.
 - Respond to emergencies such as storm damage and down trees
 - Responsible for fall and spring terrace tree planting
 - Assist Downtown Beloit Association with holiday decorations and banners
- Parks Crew
 - Mowing and maintaining approximately 800 acres of city parks, boulevards and right of ways
 - Grooming and prepping 7 baseball/softball fields during spring and summer months
 - Cleaning and maintaining all city park pavilions and shelters
 - Assist with set up and tear down of special events



Recreation

- Operates Grinnell Hall Senior Center, Big Hill Center, Rotary River Center, Krueger Pool, clubhouse operations at Krueger-Haskell Golf Course and Edwards Ice Arena
- Grinnell Hall offers various services and activities for seniors in Beloit and surrounding area.
- Offers Various activities for both families and children of all ages throughout the year
- Free family friendly events are offered throughout the year including:
 - Movies in the Park & Pool
 - Touch A Truck
 - Pumpkin Walk
 - City of Beloit Winterfest
 - Blanket BINGO in the Park
 - Historical Walking Tours
 - 4th of July Bike Parade
 - Playground Program



Golf Course & Horticulture

- Krueger Haskell Golf Course is an 18 hole city owned course open to the public seasonally from March - October.
- Horticulture Crew maintains all of the planting beds in the city including: Parks, Parking Lots, Boulevards, and City Buildings.
- 1 Golf Superintendent, 1 Golf Equipment Operator, 1 Horticulture Specialist



Fleet & Central Stores

- Maintain all 220+ DPW Fleet Vehicles
- 4 Mechanics, 1 Inventory Control Specialist, 1 Supervisor
- 1150+ work orders are completed yearly
- Fuel for all city vehicles, salt, snow removal equipment and materials, cleaning products, safety equipment, etc.



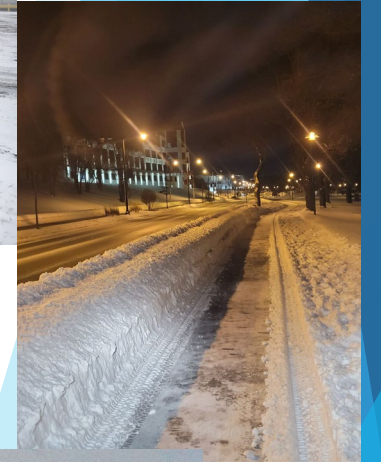
Citywide Facility Maintenance

- 5 Maintenance Specialists, 3 custodians and 1 Supervisor
- Maintain 18 city buildings which includes: City Hall, Fire Stations, Operations and Parks Facility, Engineering and Water Resources Facility, Ice Arena, Pool, storage buildings, etc.
- Maintain 42 facilities related to parks which includes: 2 splash pads, restrooms, shelters, pavilions, dug outs, etc.



Snow & Ice Control

- Full Plow Crew including sidewalks and parking lots: 37
- Alternate Plow Crew: 13
- The City is responsible for the following:
 - 415 Lane Miles of Roadway
 - 32 parking lots
 - 34 alleys
 - 26 miles of sidewalk
 - 41 cul-de-sacs and boulevards
 - 1931 tons of salt and 7586 gallons of salt brine was used in winter 2025-2026
- When a Winter Weather Emergency is called all vehicles are required to be removed from the streets so plows can get through.



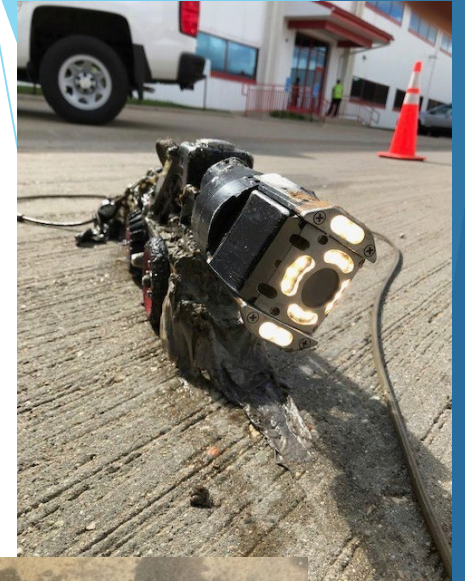
Water Pollution Control Facility (Waste Water Treatment Plant)

- Plant went online November 14th 1991.
- 13 lift-stations pump raw sewage to the Facility. We treat on average 4 million gallons a day which calculates to 1.46 billion gallons a year on average.
- The facility is staffed with 14 full time employees.
 - 1 Supervisor, 1 Lab Manager, 1 Instrumentation Control Technician, 7 Wastewater Operators and 4 Maintenance Specialists
- Activated Sludge (microscopic organism consume the bad stuff) operation which removes solids, and unhealthy bacteria from the wastewater before it is discharged into the Rock River just south of the Shirland Ave bridge.
- In-house laboratory that monitors and analyzes the wastewater so staff can make necessary adjustments for us to meet our WPDES Discharge Permit that the Wisconsin DNR requires.
- Finalizing a large upgrade project including: UV Disinfection, High-Speed Turbo Blowers, Activated Carbon Odor Control, Bio-solids Drying, and the replacement of many other pieces of equipment.



Collections

- 1 Collection System Supervisor, 4 Equipment Operators-Wastewater, 3 Equipment Operators-Excavation
- Responsible for cleaning/televising all the sanitary and storm sewers in Beloit.
- Responsible for infrastructure repairs to sanitary sewer, storm sewer, and water distribution system.
- Clean (2 year cycle) and televise (10 year cycle) each side of the city every other year. 188 miles of active sanitary sewer mains throughout the city.
 - 3,700+ sanitary manholes
 - 16 miles of force main running through the city
 - 13 lift stations located throughout the city
 - 137 miles of storm sewers
 - 7,100+ storm structures



Pretreatment/Environmental

- The industrial pretreatment program workgroup makes sure that all businesses comply with the City of Beloit's sewer use ordinance to protect both the sanitary sewer and the wastewater treatment plant.
- 1 Environmental Coordinator and 2 Environmental Technicians
- Permit 12 Significant Industrial Users and Approximately 900 Commercial Businesses



Best Management Practices (BMPs) for a Fats, Oil & Grease (FOG) Control Program

Conduct Employee Trainings

The most important thing you can do is make sure that all employees are trained. Educate your employees about proper FOG disposal.

Maintain Grease Removal Devices

Have grease interceptors regularly serviced. Make sure to record the information on your Interceptor Log Sheet. Keep the log sheets for 3 years.

Wipe/Scrape Before Washing

Wipe or scrape pots, pans, dishware and work areas into trash to remove FOG and food residues. Investing in a good scraper is very important and you might even get cleaner dishes.

Recycle Used Cooking Oil

Collect and store used cooking oil in a barrel or bin. Use a licensed renderer for recycled FOG disposal.

Protect Drains from Spills

When a FOG-related spill occurs, block off any sink or floor drain. Clean up the spill with an absorbent material like cat litter or absorbent sweep. Put absorbed materials in plastic bags before placing in the trash.

Prevent Overflows

Keep overflows from entering the storm drain. Create a barrier using dirt, cat litter or other absorbent material. If an overflow occurs, call the Water Resources Division immediately.

Install Signage

Post signs near sinks and dishwashers.

Use Mild Water Temperatures

When washing dishes, mild water temperatures are preferred because hot water melts FOG and carries it down the drain. When the grease cools, the pipes clog causing sewer back-ups.

Install Drain Screens

Install drain screens in all drains (food sinks, floors, mop sinks and hand sinks) to capture scraps and other solid materials.

Clean Hood Filters

Clean exhaust filters in sinks (not outside). This stops pollutants from entering the storm drains.



Water Resources Division

2400 Springbrook Ct.

&

555 Willowbrook Rd.

Beloit, WI 53511
Phone (608) 364-2888
WWW.BELOITWI.GOV

Water Utility

- The Beloit Water Utility serves the City of Beloit, part of the Town of Beloit, part of the Town of Turtle, and sells water to Illinois American Water for the City of South Beloit.
- 9 Wells ranging from 107' - 1,200' deep.
- Avg. Daily Water = 6.7MGD. 2.5 Billion Gallons Annually.
- 207 Miles of Water Main, 2,918 Valves and 1,572 Fire Hydrants
- 1 Water Supervisor, 1 Water Operator, 1 Cross-Connection Technician, 4 Water-Equipment Operators



Storm Water Utility

- City of Beloit has a WPDES General Permit to Discharge Storm Water.
- 6 Minimum Control Measures
 - Public Education and Outreach
 - Public Involvement
 - Illicit Discharge Detection and Elimination
 - Construction Site Pollutant Control
 - Post-Construction Storm Water Management
 - Pollution Prevention
 - Storm Water Quality Management (Bonus 7th Category in Wisconsin)
- Work tasks done by various work groups.
- Ensure permit and Wisconsin Total Maximum Daily Load Compliance
 - Peak runoff control (Detention)
 - Storm Water Quality Management
 - New Development has ordinance requirements
 - City wide modeling and aggregate citywide calculations for regulatory compliance



Engineering

- 1 City Engineer, 1 Assistant City Engineer, 3 Project Engineers, 1 Project Manager, 3 Engineering Technicians, 2 GIS Specialists
- Design and/or manage the design of the City's Capital Improvement Projects.
- Inspect the work of contractors to ensure construction is completed to the requirements of the plans and specifications.
- Key in developing the capital improvement program.
- Maintain asset database of City's infrastructure and parcel mapping.
- Maintain traffic signals and street lighting.
- Review plans for private development.
- Rate streets on an annual basis to plan for future maintenance and rehabilitation projects.

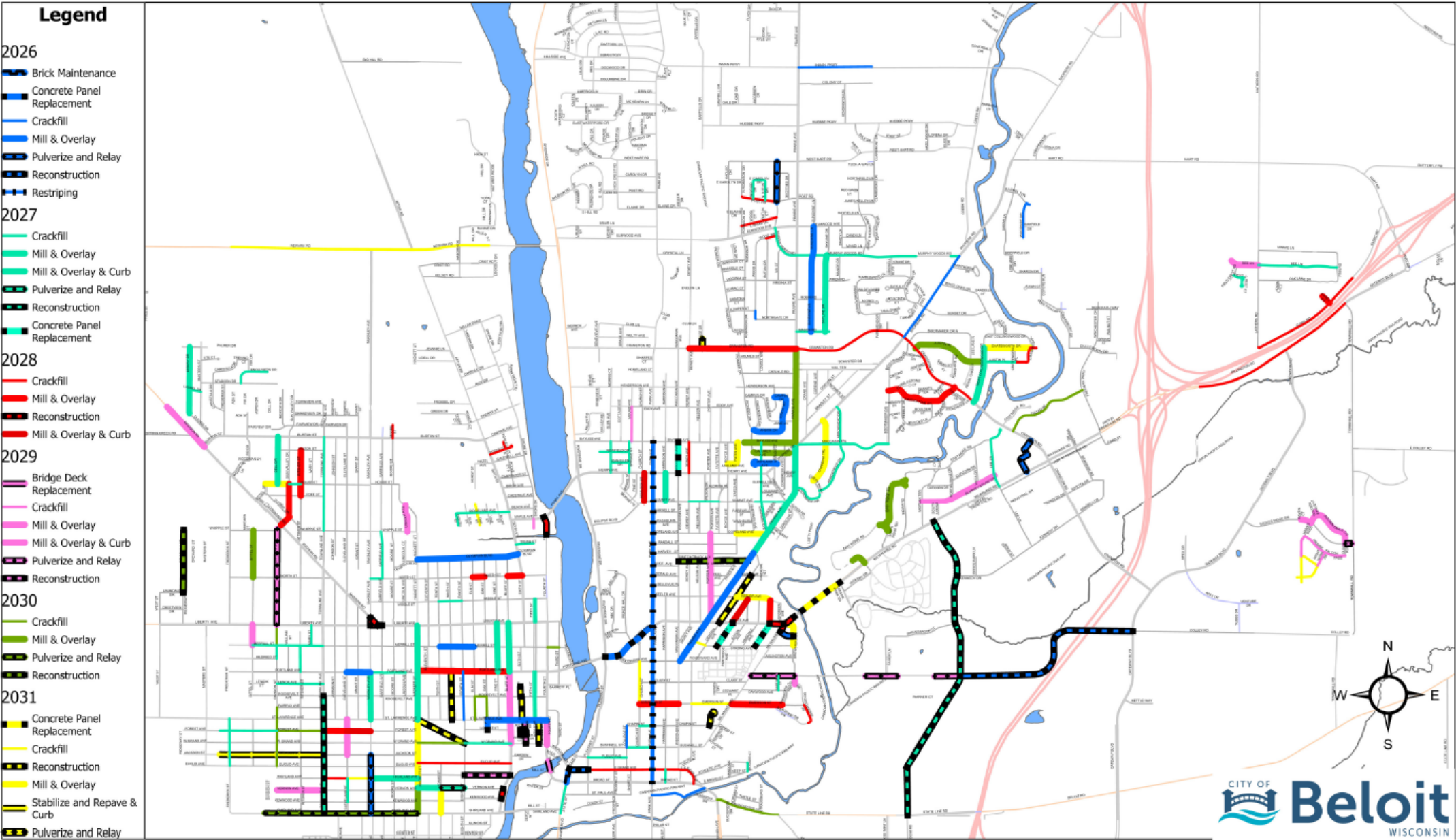
Pavement Ratings and How Streets Get Repaved/Reconstructed

- ▶ PASER (Pavement and Surface Evaluation Rating)
 - ▶ Required to do in even numbered years. We do annually.
 - ▶ 1-10 Scale
 - ▶ 10-8 New - Very Good - No maintenance generally needed
 - ▶ 7-5 Good - Fair - Some capital investment or maintenance needed
 - ▶ 4-1 Poor to Failed - Needs to be resurfaced or reconstructed
- ▶ Roadway classification/average daily traffic
- ▶ Budget availability and grants
- ▶ Balancing distribution of work throughout the city
- ▶ Other infrastructure impacts and timing of their replacement
 - ▶ Water main, lead water services, sanitary sewer, storm sewer

Pavement Ratings and How Streets Get Repaved/Reconstructed

- ▶ Determining type of repair
- ▶ PASER 8-7 Crack sealing
- ▶ PASER 6-5 Preservation sealer, patching, micro-surfacing, potential overlay
- ▶ PASER 4-3 Asphalt overlay/resurfacing, spot base repairs
- ▶ PASER 2-1 Full reconstruction, pulverize asphalt with no curb and gutter, crack and seat potential on concrete roads
- ▶ Other factors - Base condition, curb and gutter condition, budget

2026-2031 Six Year Street Plan



Safe Streets for All (SS4A)

- ▶ Developing a safety action plan for all roadway users. Vehicles, bicycles, and pedestrians.
- ▶ Funded through a Federal Highway Administration grant.
- ▶ Identify areas of the city that present a hazard to any roadway user classification.
- ▶ Develop recommended actions that can be taken to reduce or eliminate hazards and conflicts.
- ▶ SS4A Plan does not commit to any specific project
- ▶ Having a SS4A plan can help with future grant funding for projects

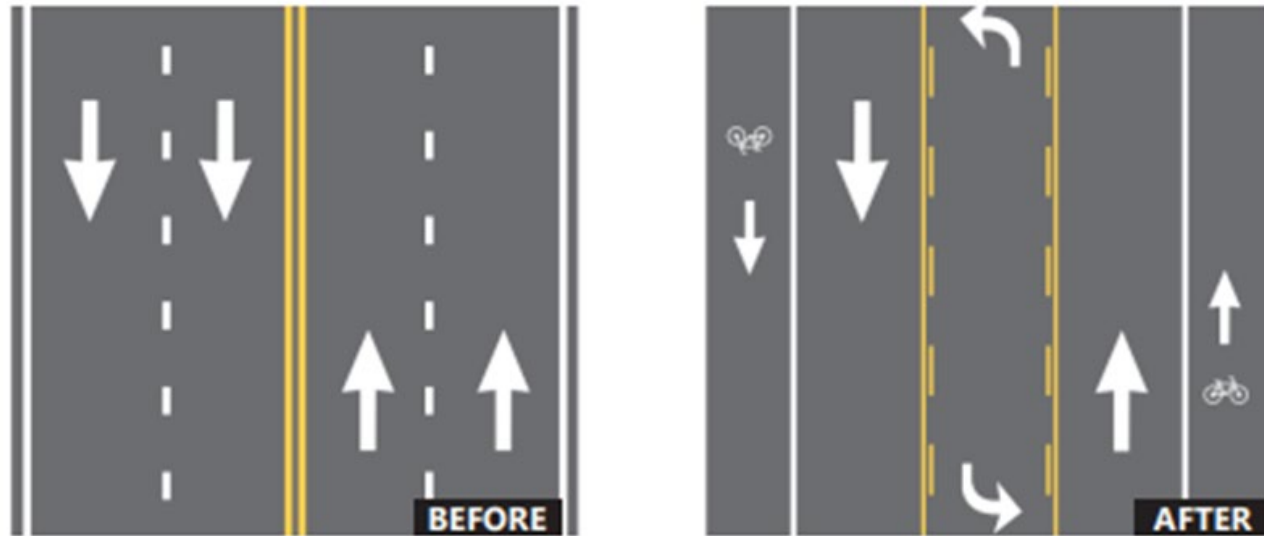
Safe Streets for All (SS4A)

- ▶ SS4A Survey is currently being conducted: <https://www.beloitwi.gov/ss4a>
- ▶ Please take a few minutes to submit
 - An intersection where it is difficult to see approaching traffic or safely make a turn
 - A street where vehicles regularly travel too fast
 - A location where pedestrians have difficulty crossing the street
 - A crosswalk where drivers do not regularly yield to pedestrians
 - A location where additional sidewalks, bicycle facilities, or pedestrian connections may be needed
 - An intersection or roadway that is confusing or difficult to navigate
 - A location with poor visibility, lighting, signage, or pavement markings
 - A location where turning vehicles create conflicts with pedestrians or bicyclists
 - A school, park, business district, bus stop, or other destination that is difficult to reach safely by walking or biking
 - A roadway where you have experienced or witnessed a crash, near miss, or other unsafe situation
 - Any other location where you feel uncomfortable or unsafe while driving, walking, bicycling, or using another form of transportation

Road Diets and Bike Lanes

Road Diets (Roadway Reconfiguration)

A Road Diet, or roadway reconfiguration, can improve safety, calm traffic, provide better mobility and access for all road users, and enhance overall quality of life. A Road Diet typically involves converting an existing four-lane undivided roadway to a three-lane roadway consisting of two through lanes and a center two-way left-turn lane (TWLTL).



Before and after example of a Road Diet. Source: FHWA

Road Diets and Bike Lanes

- ▶ Why do we implement road diets?
- ▶ Improved safety
 - ▶ Fewer conflict points due to fewer lanes of traffic
 - ▶ Fewer accidents
 - ▶ Reduced and more consistent speed
 - ▶ Less severe accidents
- ▶ Makes roadway corridors more accessible to pedestrians and bicyclists
 - ▶ More room for dedicated spaces like bike lanes and wider sidewalks
 - ▶ Room for refuge islands when crossing streets
 - ▶ Fewer conflict points
 - ▶ Slower moving traffic

Road Diets and Bike Lanes - Henry Avenue

- ▶ Reduced from four lanes to two lanes with on road bike lanes. Existing curb lines were not wide enough to include a TWLTL.
- ▶ Phase I (2021) - Riverside Drive to Royce Avenue
- ▶ Phase II (2022)- Royce Avenue to Prairie Avenue

Road Diets and Bike Lanes - Henry Avenue



Road Diets and Bike Lanes - Henry Avenue



Road Diets and Bike Lanes - Henry Avenue

Accident Date Before Reconfiguration (7/1/18 to 7/1/21) vs. After (7/1/22 to 7/1/25)

Henry Avenue (East of Riverside to Royce)

	# Accidents	Severity	Angle	Rear End	Sideswipe	Single Vehicle	Bicyclist
Before Construction	63	1.62	30	13	12	6	2
After Construction	43	1.21	15	15	3	5	5

Henry Avenue (East of Riverside to West of Park)

	# Accidents	Severity	Angle	Rear End	Sideswipe	Single Vehicle	Bicyclist
Before Construction	11	1.45	2	2	3	4	0
After Construction	14	1.57	2	5	2	2	3

Henry Avenue (at Park)

	# Accidents	Severity	Angle	Rear End	Sideswipe	Single Vehicle	Bicyclist
Before Construction	22	1.59	8	8	4	1	1
After Construction	13	1.08	5	7	0	0	1

Henry Avenue (East of Park to West of Wisconsin)

	# Accidents	Severity	Angle	Rear End	Sideswipe	Single Vehicle	Bicyclist
Before Construction	5	1.80	4	0	1	0	0
After Construction	2	1.50	0	1	0	0	1

Henry Avenue (at Wisconsin)

	# Accidents	Severity	Angle	Rear End	Sideswipe	Single Vehicle	Bicyclist
Before Construction	12	1.58	10	1	1	0	0
After Construction	4	1.50	3	0	0	1	0

Henry Avenue (East of Wisconsin to Royce)

	# Accidents	Severity	Angle	Rear End	Sideswipe	Single Vehicle	Bicyclist
Before Construction	13	1.77	6	2	3	1	1
After Construction	10	1.10	5	2	1	2	0

Road Diets and Bike Lanes - Cranston Road

- ▶ Reduced from four lanes to two or three lanes.
- ▶ Phase I (2021) - Shopiere Road to Fuller Drive
 - ▶ Four lanes to two with dedicated left turn lane and on road bike lanes.
 - ▶ PIMs 11/12/2018, 2/18/2020, 11/22/2021
- ▶ Phase II (2024)- Prairie Avenue to Shopiere Road (Shopiere Road to Collingswood Drive was resurfaced and restriped again)
 - ▶ Four lanes to three with TWLTL and paved shoulders. Restriping of Phase I was mostly the same, but paved shoulders were not marked as bike lanes.
 - ▶ PIM 7/18/2023

Road Diets and Bike Lanes - Cranston Road



Road Diets and Bike Lanes - Cranston Road



Road Diets and Bike Lanes - Cranston Road



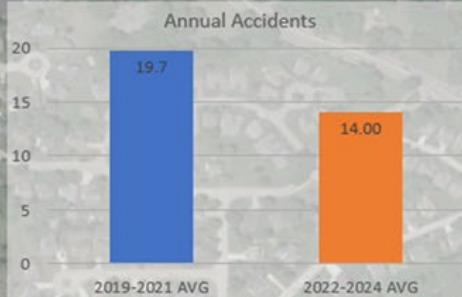
Road Diets and Bike Lanes - Cranston Road



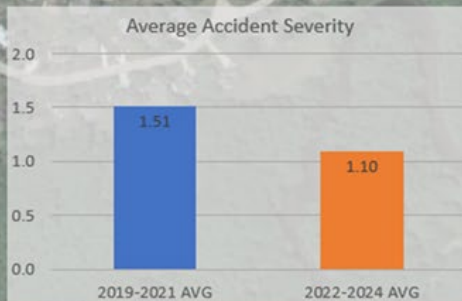
Road Diets and Bike Lanes - Cranston Road

DID RESTRIPING CRANSTON RD WORK?

REPORTED ACCIDENTS

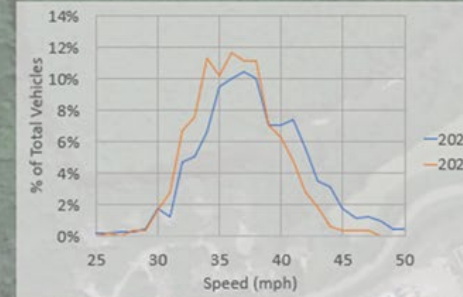


29%
Reduction



27%
Reduction

VEHICLE SPEED



	Speed (mph)				
	25-29	30-34	35-39	40-44	45+
% of Vehicles 2020	1%	19%	47%	27%	6%
% of Vehicles 2022	1%	30%	51%	16%	2%
% Difference	0%	11%	4%	-11%	-4%

Road Diets and Bike Lanes - Milwaukee Road

- ▶ Lane reductions to help reduce speed near Milwaukee Road and White Avenue intersection
- ▶ Speed data taken 140' west of 25 MPH zone beginning west bound and 140' west of 40 MPH zone starting for east bound
 - ▶ Average speed before 38 MPH
 - ▶ Average speed after 36 MPH
 - ▶ Highest speed recorded west bound 90 MPH
 - ▶ Highest speed recorded east bound 86 MPH

Krueger Pool - Community Survey and Future Plans



MARCH 10, 2026

KRUEGER POOL SURVEY RESULTS



Krueger Pool - Community Survey and Future Plans

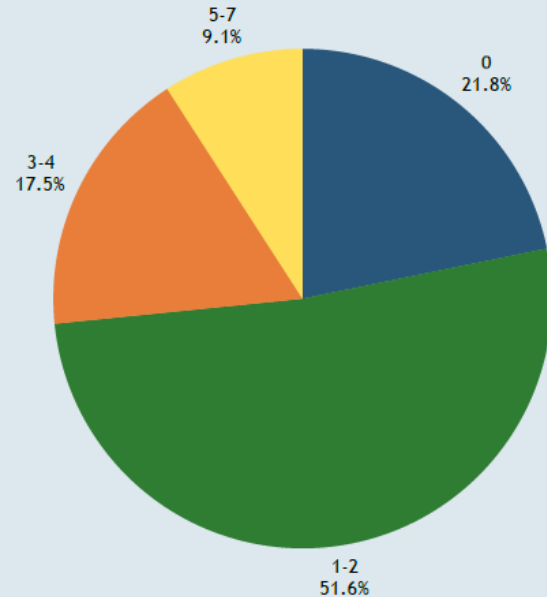
RESULTS

1,391
Respondents

1,092
City of Beloit
Respondents

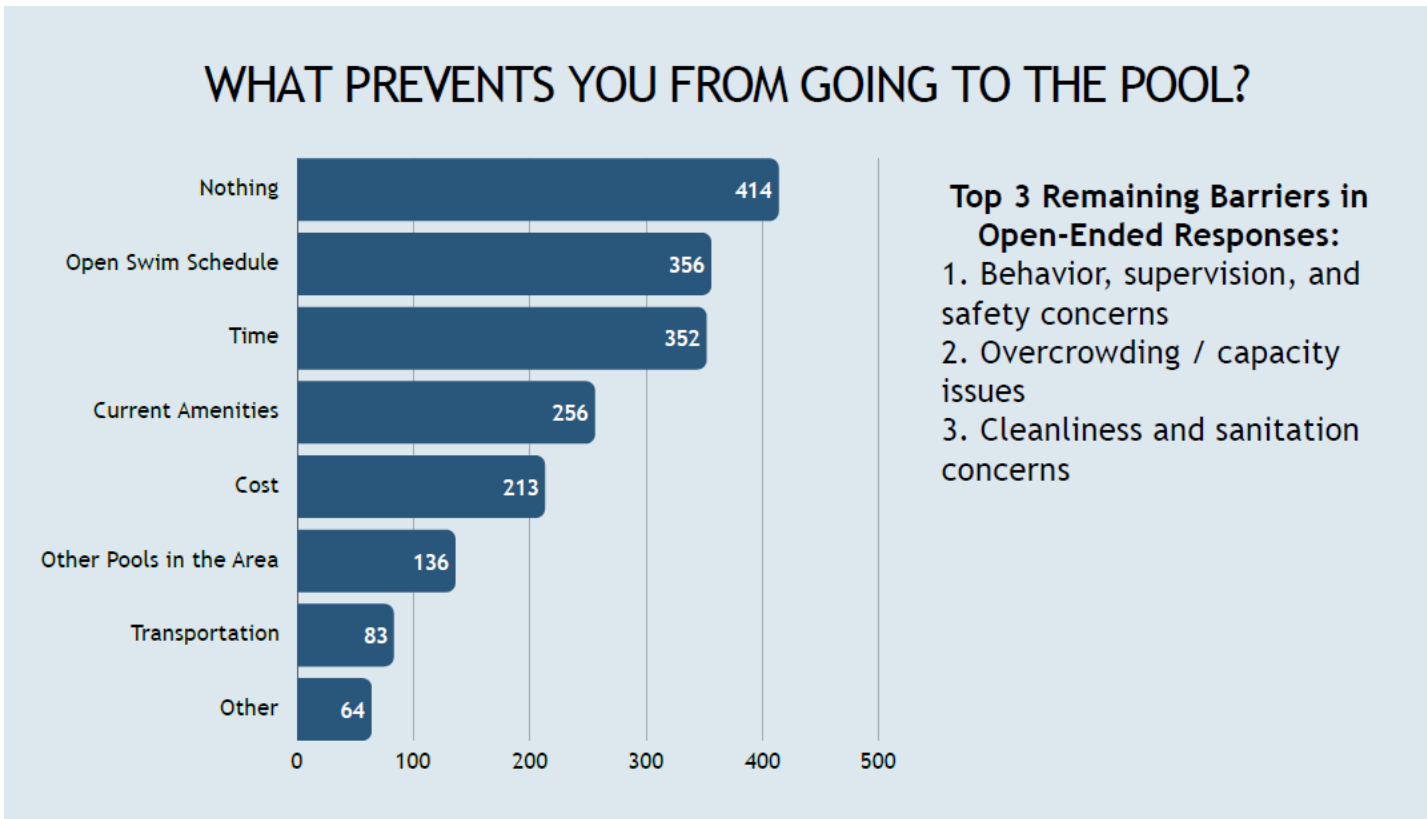
Krueger Pool - Community Survey and Future Plans

SURVEY RESULTS: HOW MANY DAYS A WEEK DO YOU SWIM AT KRUEGER



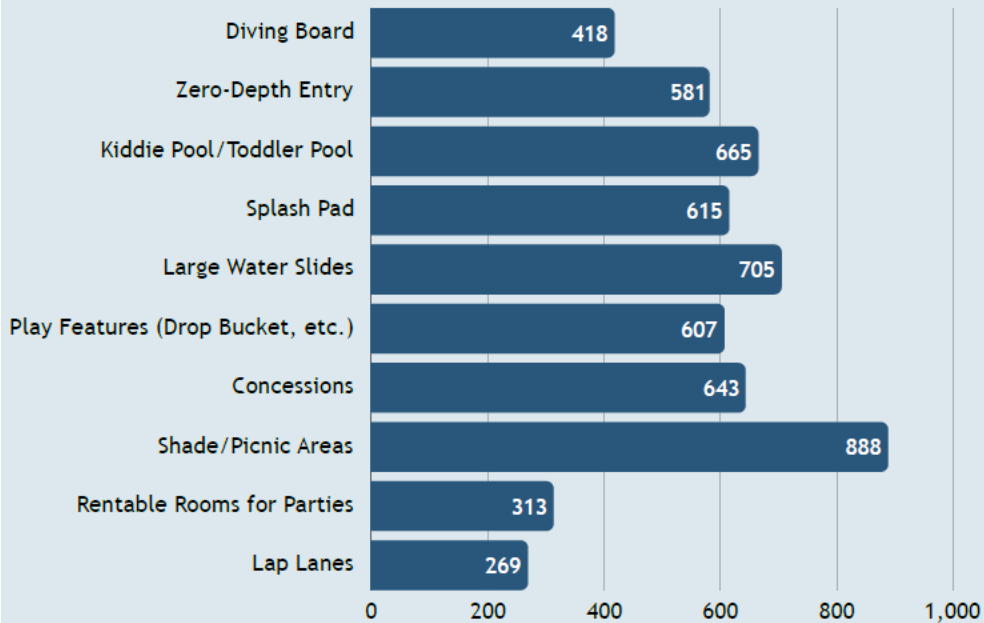
- Majority of visitors attend in the afternoon

Krueger Pool - Community Survey and Future Plans



Krueger Pool - Community Survey and Future Plans

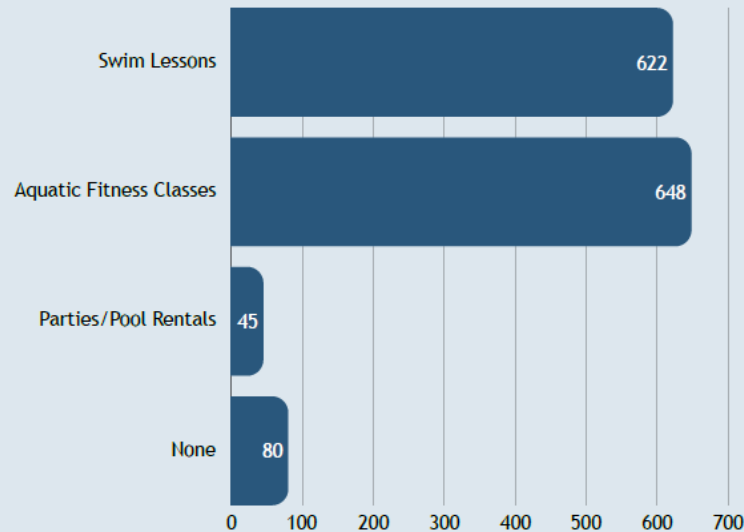
WHAT AMENITIES DO YOU PREFER?



Top Open-Ended
Response: Lazy
River

Krueger Pool - Community Survey and Future Plans

PROGRAMS

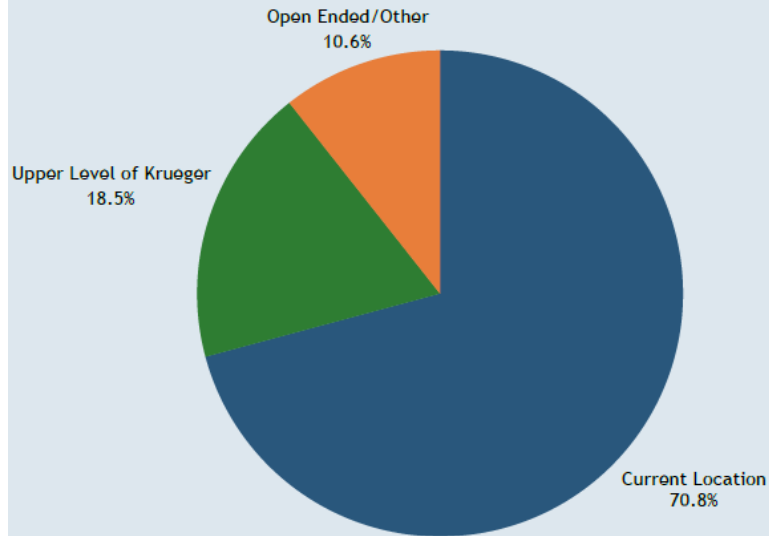


Top Program Themes (Open-Ended Question)

- Swim Team
- Family Activities
- Special Events/Themes
- Inclusive and Accessibility-Focused Programming (Sensory Friendly Swim Sessions)
- Teen and Adult Activities

Krueger Pool - Community Survey and Future Plans

LOCATION



Top Location Themes (Open-Ended Question)

- Keep or expand at current location/west side
- More central location
- East side or build a second pool
- No preference/not interested

Krueger Pool - Community Survey and Future Plans

TOP IMPROVEMENTS NEEDED (OPEN-ENDED QUESTION)

Amenities and
Water Features

Condition &
Cleanliness

Seating & Shade

Operating
Improvements

(Hours/Season Length, Prices, Improved
Concessions, Security/Supervision,
Consistent Schedule)

Krueger Pool - Community Survey and Future Plans

OTHER FEEDBACK TOP TRENDS (OPEN-ENDED QUESTION)

1. Support for outdoor pool

2. Concern about Taxes

3. Desire for modernization
or a new facility

4. Preference to repair and
maintain existing pool

5. Enhance operations &
programming

6. Enhance management,
behavior, safety and
supervision

Krueger Pool - Community Survey and Future Plans

- ▶ Majority (61%) of all respondents would support a small increase in daily admission to help maintain or improve pool.
- ▶ City of Beloit respondents were asked about a tax increase to construct new pool: 35.5% yes, 36.4% maybe, 28% no
 - ▶ Over 67% would support between \$20-\$60 annual increase with \$20 being the most likely answer at 37.7%
- ▶ Based on feedback from survey, Staff is working with the consultant Parkitecture who has developed concepts for a new pool layout in the current location.
 - ▶ \$5 - \$9 million cost for new pool

Questions?

Thank you for joining us today.