



CITY OF SHEBOYGAN  
PUBLIC WORKS

# 2022 ANNUAL REPORT



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**PERSEVERANCE IS THE HARD  
WORK YOU DO AFTER YOU GET  
TIRED OF DOING THE HARD  
WORK YOU ALREADY DID.**

-Newt Gingrich



# Message from the Director

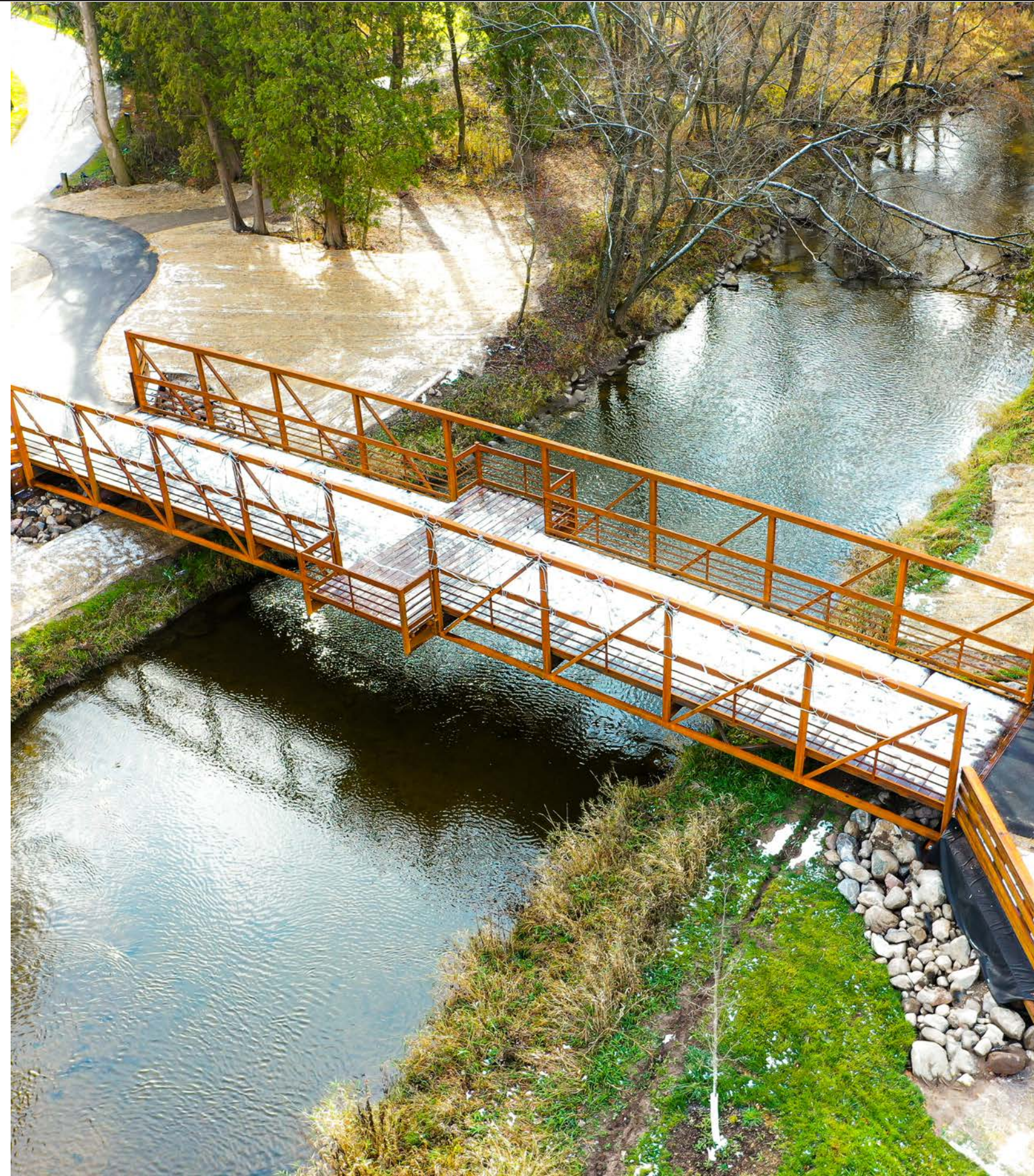
It is my pleasure to present the 2022 Department of Public Works Annual Report. 2022 was significant in many ways for the Department and I am extremely proud of all the employees and their momentous efforts this past year especially in their professional response to the severe storm in June that resulted in major damage and road closures throughout the City of Sheboygan. More often than not, the employees of the DPW are not considered first responders or essential workers. Nevertheless, the Department of Public Works were among those first to respond in assessing damage, setting-up barricades, removing trees and other obstacles blocking the streets.



DPW crews worked multiple days straight, including the weekends to ensure roadways and driveways were open for residents. This report highlights the accomplishments of the employees and their dedication and professionalism during this emergency. Public Works and its employees are defined as “first responders” according to Homeland Security Presidential Directive 8 (HSPD-8):

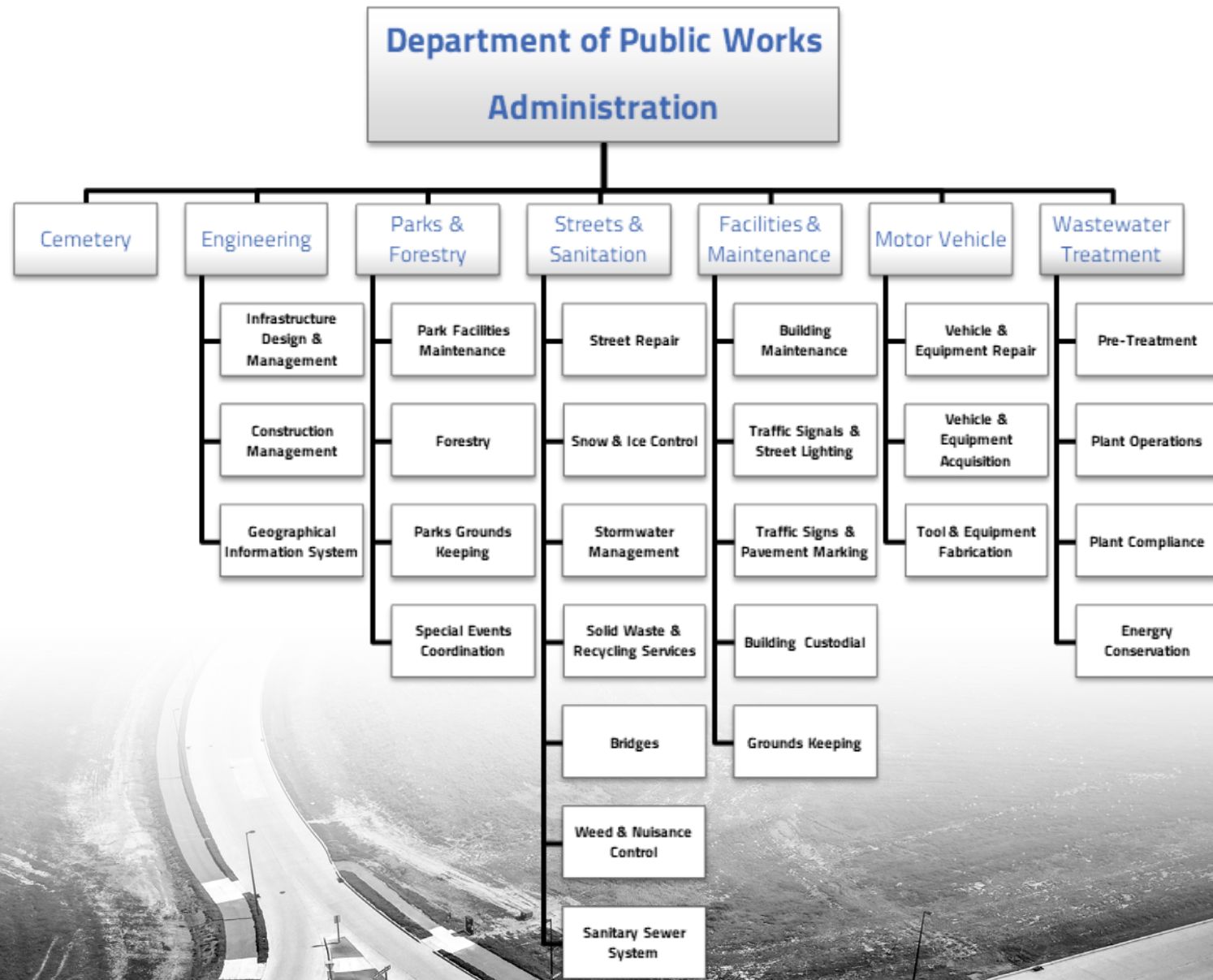
*(d) The term “first responder” refers to those individuals who in the early stages of an incident are responsible for the protection and preservation of life, property, evidence, and the environment, including emergency response providers as defined in section 2 of the Homeland Security Act of 2002 (6 U.S.C. 101), as well as emergency management, public health, clinical care, **public works**, and other skilled support personnel (such as equipment operators) that provide immediate support services during prevention, response, and recovery operations.*

I am proud of our “first responders” and incredible accomplishments the employees of DPW were able to complete this year. The year was successful due to the perseverance and commitment of the employees of DPW to our community and our mission of improving the quality of life for our residents. Even with the demands from the storm event, the employees were able to exceed expectations in many areas. Their service to the community is essential and needs to be celebrated with other public safety departments. Without the employees of public works and their efforts, daily life and its pleasures would be difficult at best. This report is one small step in recognizing the employees and importance of public works and its impact on our community. I hope you find this year’s annual report to be informative and interesting. The department is the largest, most complex and diverse in providing services to residents and businesses. The seven divisions that comprise DPW are a mixture of skilled labor and technical professionals working together to advance the mission and vision of the City of Sheboygan. This report highlights their accomplishments in making Sheboygan better. In closing, I just want to say it is a honor and privilege to serve the Department of Public Works and the City of Sheboygan, enjoy the report.



David H. Biebel  
Director of Public Works





WHO WE ARE, WHAT WE DO

## MISSION

Improve the quality of life by effectively developing, maintaining, and improving the infrastructure, natural resources and community services.

WHAT WE ASPIRE TO BE

## VISION

A professional Public Works organization that will offer quality infrastructure and services, in a sustainable way that will contribute to making Sheboygan a desirable place to work, live, and play.





# Core Functions

The Department of Public Works seeks to provide quality infrastructure that conveys safe, efficient delivery of essential goods and services, provide clean and beautiful public spaces that maximize the natural environment to enhance the overall quality of life, and deliver professional quality public service with a friendly and welcoming atmosphere.

To meet each aspect of the goal, the Department has several objectives.

## 01 To provide quality infrastructure that conveys safe, efficient delivery of essential goods and services:

- Construct, repair, and maintain City streets, sewers, and other critical infrastructure to ensure public safety
- Maximize agency relationships with other entities to coordinate expansion, maintenance, and reconstruction of infrastructure in an equitable manner
- Develop public right of ways with designs that encourage accessibility and efficient movements
- Meet with key stakeholders early in the planning stage to gain understanding and informed consent
- Provide complete streets and use best practices to create clean and beautiful public spaces
- Continue to maintain environmental compliance below regulatory requirements
- Continue to operate the wastewater/storm water collection and treatment system in a fiscally sound manner for the benefit of our customers
- Evaluate all infrastructure for areas of insufficiency and develop an action plan to correct areas of concern
- Develop a five-year capital improvements program identifying and prioritizing the major infrastructure projects needed to meet the community's needs

## 02 To provide clean and beautiful public spaces that maximize the natural environment to enhance the overall quality of life:

- Collect and properly dispose of garbage, litter, debris, and graffiti from public spaces creating a clean, livable community
- Lead sustainability practices preserving natural resources and reducing energy consumption
- Preserve and maintain all facilities in a manner that provides a safe environment for the facilities' functions and occupants
- Maintain an adequate amount of active and passive recreational lands to meet current and future recreation needs
- Ensure that open space, recreation facilities, and programs are designed to meet the accessibility needs of all residents, especially senior citizens and persons with disabilities
- Coordinate subdivision review with all Divisions responsible for providing or maintaining adequate park facilities
- Continue to replace old and deteriorating recreation equipment at all City parks
- Continue to monitor and maintain existing park equipment to ensure its longevity and safety

## 03 To deliver professional quality public service with a friendly and welcoming atmosphere:

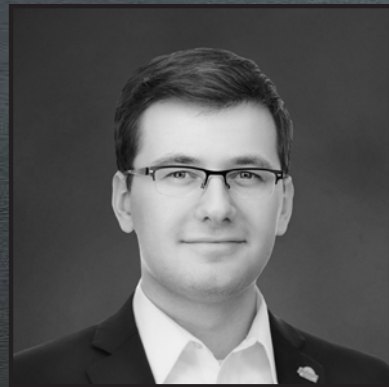
- Retain, develop, and recruit individuals with self-motivation and personal responsibility while embracing diversity and overall understanding of our mission
- Provide training and acquire skills to allow individuals to succeed and grow
- Provide a safe, healthy, and supportive work environment valuing employee contributions to the community
- Improve the effectiveness, efficiency, and quality of DPW service delivery through employee development, technology, and equipment
- Leverage the use of volunteers and public/private contractors to supplement the core levels of service needed
- Establish quality customer service mentality (treat others as you would want to be treated)
- Develop time management principals, and scheduling by prioritization of activities through communication within the organization

**Everybody can be great — because everybody can serve.**  
-Martin Luther King Jr.



# 2022 Common Council

# 2022 Public Works Committee



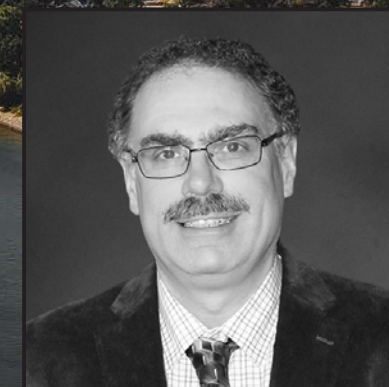
**Ryan Sorenson**  
Mayor



**Meredith DeBruin**  
City Clerk



**Chuck Adams**  
City Attorney



**Dean Dekker**  
Chairperson



**Zach Rust**  
Vice-Chairperson

- Aldersperson District 1 ..... Barb Felde
- Aldersperson District 2 ..... Roberta Filicky-Peneski
- Aldersperson District 3 ..... Amanda Salazar
- Aldersperson District 4 ..... Betty Ackley
- Aldersperson District 5 ..... Angela Ramey
- Aldersperson District 6 ..... Dean Dekker
- Aldersperson District 7 ..... Grazia Perrella
- Aldersperson District 8 ..... Zach Rust
- Aldersperson District 9 ..... Trey Mitchell
- Aldersperson District 10 ..... Joe Heidemann



**Amanda Salazar**  
Aldersperson



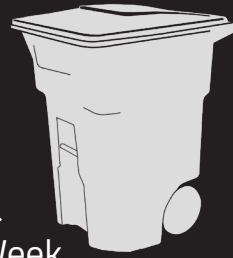
**Angela Ramey**  
Aldersperson



**Joe Heidemann**  
Aldersperson



**18,564** Household Garbage & Recycling Stops per Week



**106** Graves sold in Wildwood Cemetery in 2022

**15.81** Miles in Square Area, 19 Bridges with over 168,000 square feet of Bridge Decks



**18,835** Trees and 36 Parks

**198.90** Miles of Streets, 185.52 Miles of Storm Sewer, and 203.44 Miles of Sanitary Sewer



**42** Signalized Intersections, 4,590 Lights, and more than 30,000 Signs

**9.79** Million Gallons of Sewage Treated Daily



**BY THE NUMBERS**



# Administration

The Public Works Administration is responsible for being the first point of contact for residents. The division is responsible for advanced clerical duties and administrative support.

The City of Sheboygan’s Department of Public Works main purpose is to improve the quality of life by effectively developing, maintaining, and improving the infrastructure, natural resources, and community services. The administration is charged with the responsibility of developing strategy and ensuring the effectiveness of the Department’s activities in meeting the needs of the citizens of Sheboygan. This is accomplished through the effective planning, organizing, leading, and controlling of all available resources within the Department.

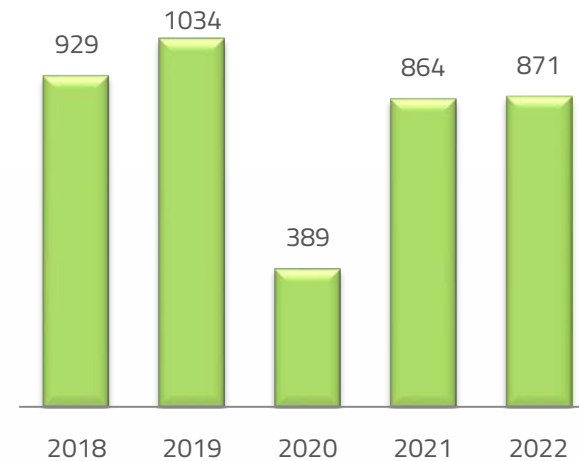
One of the most important functions of administration is preparing and controlling the Department’s budget. Public Works continues to innovate, adjust, and lead with regard to maximizing results with limited resources. Public Works is unique when compared with other departments in the City, in that the Department

has both internal and external customers. This environment often creates competing demands for services, which the Department consistently balances with good satisfaction ratings. Overall, the Public Works and Parks and Forestry budget has remained flat over the long term.

While the Department’s budget has remained relatively flat, the Department’s workload and demand for services is ever increasing. The operations of the Department are not comparable to a commercial setting in which economic demands determine the amount of labor and material needed. In addition, the Department has competing demands for the same limited resources further adding to the challenges. Balancing these limited resources and prioritizing them to meet the community needs is the main focus of administration.

## 2023 Park Rental Highlights

### Annual Park Reservations

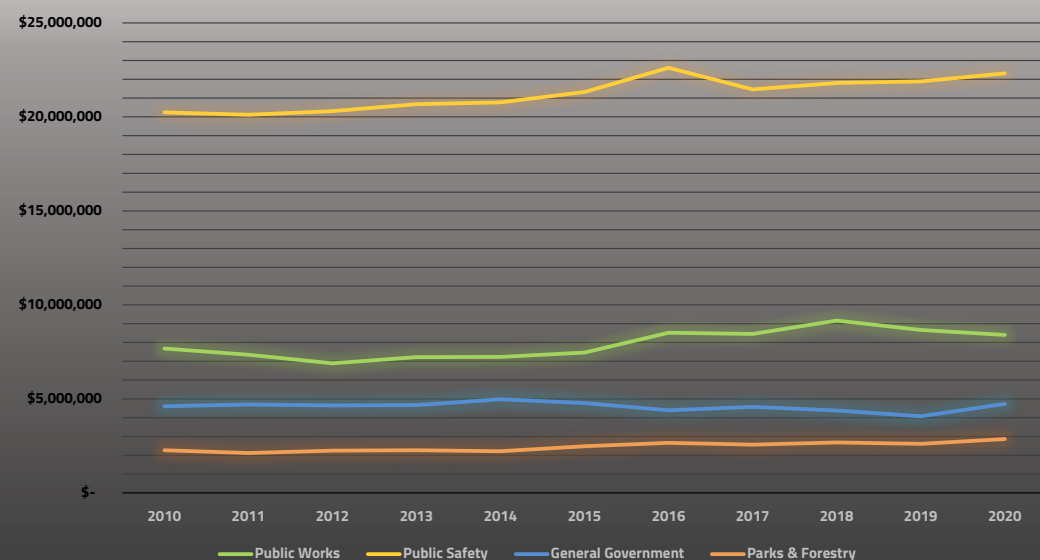


A visitor’s first impressions typically are the quality and cleanliness of streets and parks. The administration office staff manages all park reservations and special event applications.

City parks are one of the great assets of the community as shown on the annual parks reservation and annual park reservation revenue graphs. The significant reduction in rentals in 2020 was due to the closure of the facilities because of the COVID-19 Pandemic. Rentals quickly rebounded once facilities were opened for rentals.

Notable for 2022 is the temporary closure of Evergreen Area #5 and Lakeview Park Shelters from rentals. Both areas were reserved for staging areas for projects in 2022 and 2023. The Senior Activity Center also used Kiwanis Fieldhouse during the week for their scheduled programming until the new facility opened for use in November.

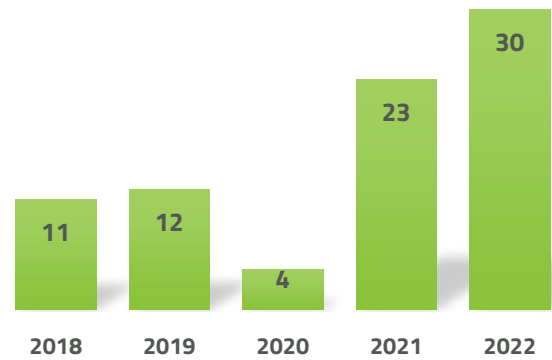
**City Budgets by Department  
2010-2022**





The Administration provides support services to all the Divisions within the Department by managing the budget, personnel transactions, customer requests, and public information. The objectives of the Administration are to support the necessary Divisions in order for their personnel to effectively concentrate on accomplishing their objectives. In addition, the Administration manages required reports for State and Federal agencies, grants, and the majority of permits and requests for service. Examples include: park permits, permits to excavate the right-of-way, permits to occupy the right-of-way (dumpster permits), boat ramp permits, and river boat slip leases.

**Driveway Installation Permits**



The Public Works office also handles all of the Municipal Driveway permits. Any resident wishing to cut an existing curb to install or expand a driveway must secure a permit through our office. The purpose of this permit is to ensure proper placement of driveways so as not to cause problems. There is a small fee (\$25.00) for residential driveway permits. Also, a filing fee is charged for commercial driveways for recording at the Register of Deeds.

In years past, the Department had seen a decrease in the number of driveway permits issued. There was an increase shortly after the adoption of the new winter parking rules which have been in effect for over a decade and may be the cause of the upturn in permits issued once again, due to the increased discussion of snow emergency rules. The Department encourages residents to develop and provide off-street parking. The permits issued by the Department allow for the proper placement of driveways to prevent issues. Off-street parking significantly helps the Department in street sweeping, snow removal, garbage collection, tree trimming, and other operations.

**Permits to Occupy Right-of-Way**



This is the same philosophy behind permits to occupy street right-of-way (ROW) or dumpster permits. This permit allows residents, businesses, or contractors to occupy the street ROW, typically the parking lane, with equipment for extended periods of time. A fee is collected for this activity and is based on the length of time someone is occupying the street ROW.

**STAY IN TOUCH**

[www.sheboygandpw.com](http://www.sheboygandpw.com)

Facebook

Twitter

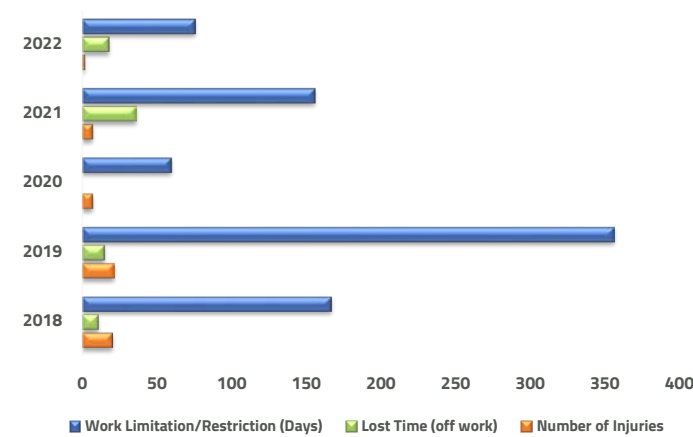
Instagram

Nextdoor

The Department is focused on employee safety and has made several safety improvements. The Department also takes advantage of Cities and Villages Mutual Insurance Company (CVMIC), the City's insurance company that provides assistance as part of our membership.

This year in an effort to engage employees, they were asked to participate in discussions pertaining to safety and other topics to create a more rewarding work environment. The Department continues to strive for improving and providing a safe and enjoyable work environment for all employees as well as the public at our work zones.

**OSHA Recordable Injuries**



**THE ADMINISTRATION DIVISION IS OPENING THE LINES OF COMMUNICATION WITH THE CITIZENS OF SHEBOYGAN.**

The Department enhanced its use of social media by providing real-time updates on road closures, construction detours, snow removal operations, garbage collection schedule changes, and other critical information.

The Department further extended its communication reach with the creation of a DPW focused website, [www.sheboygandpw.com](http://www.sheboygandpw.com). The website is a reliable source of the most up to date information.

In addition, the administration team gives public presentations to community groups and organizations on public works projects and programs.





## WINTER PARKING RULES ARE IN EFFECT

LEARN MORE

City of Sheboygan Department of Public Works

LEARN MORE

### FLOOD INFORMATION

No Flooding



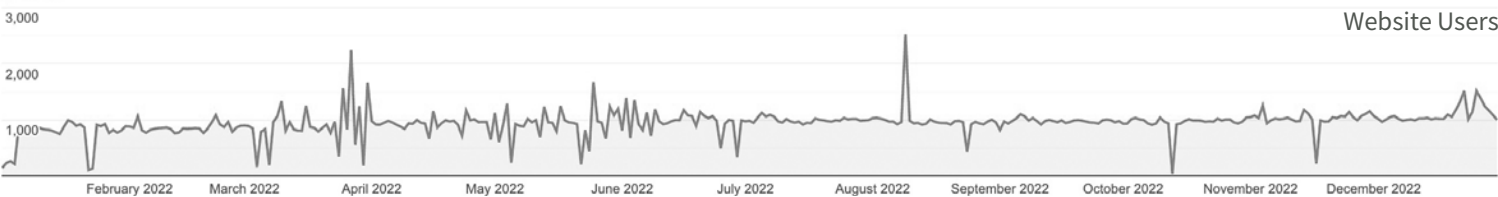
### GARBAGE & RECYCLING

On Schedule



Last update: 2/24/22

IN 2022  
287K ORGANIC  
IMPRESSIONS &  
1.2M PAID  
IMPRESSIONS  
ON DPW FACEBOOK



## Social Media

The Facebook page has become a reliable source of information for the community. The top organic post was the Indiana Avenue/CTH PP Road Closure with a reach of 28.6K people. Park Day was the top paid campaign ad with a reach of 6,393 people, a 214% increase over the 2021 ad which was the top paid campaign last year. Continually reaching more citizens in Sheboygan, followers of the DPW Facebook increased **sixteen percent** in 2022.

The DPW Twitter account gained 157 new followers in 2022 and earned 14,900 impressions on Tweets. There were 450 website sessions that came from Twitter which is 182% growth over last year. The DPW Instagram account most liked post was thanking our snowplow drivers for Snowplow Driver Appreciation Day! The account has increased its followers **fifteen percent** in a year over year comparison.

The website is steadily increasing its traffic and maintained an average of 1,000 users daily over the year. **Ninety-six percent** of these were new visitors to the site which contributed to a 523% increase in new user activity year over year. This shows the website continues to reach more citizens of the City. The significant increase of traffic to the website came from visitors going directly to it, versus a link being clicked to direct them to the website. The visitors are interacting with the website more and exploring the different pages available which resulted in a page view increase of 149%.

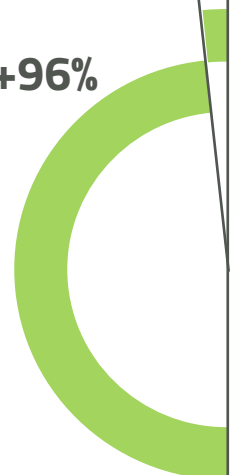
+16%



+15%



+96%





# Cemetery

The City of Sheboygan Department of Public Works has owned and operated the Wildwood Cemetery since the 1850's. The cemetery is 62 acres and has over 25,000 graves with perpetual care, with approximately 20,000 burial lots remaining. Of the 62 acres, 40 acres are intensively maintained, and the remaining 22 acres are reserved for future use.

The Department of Public Works Administrative staff provides quality death-care services to families in their time of need. Tree care, mowing and trimming account for the tremendous amount of time that it takes to keep the cemetery beautiful for visiting families.

One of the City of Sheboygan's major goals is to transition off the legacy AS-400 system as it is outdated and will no longer be supported in the near future by IT. In addition, this project meets strategic plan focus areas of quality of life and communication. LEAN process improvement techniques identified the great need for record-keeping and procedure improvements. The project objective was to convert cemetery records into the GIS applications/interface, which

provides internal and external end-users with a digital representation of the spatial location.

Creating an accurate map of the Wildwood Cemetery on GIS included lots, graves, way-finding section signs, monuments, underground sprinkler system, and sewer pipes. Cemetery records were compiled into scanned files and spreadsheets to be converted into the GIS system. Interment, lot, deed, scattering garden, and perpetual care information was audited by comparing records in books, catalogs, deeds, review of the actual grave sites, and the legacy AS-400 system data. The work is done incrementally by cemetery sections. Due to the intensity of the project scope, the project is ongoing.

In 2021, the Wildwood Cemetery had many areas that were affected by the Emerald Ash Borer as a result 65 trees needed to be removed.

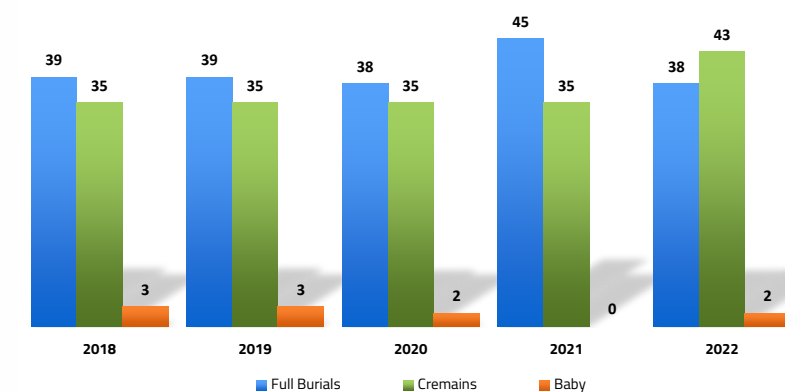
In 2022, cemetery staff again worked collaboratively with the City Forester, Traffic Division and two local contractors for the removal of the tree stumps. The schedule was managed diligently, coordinating the temporary relocation of memorials to accommodate for the stump grinding machinery. Cemetery staff worked with the Traffic Division to create signage to let families know about the temporary relocation of memorials that were then placed at each site that would be affected. Then staff worked with a private contractor to carefully remove the memorials to a safe distance from each site to allow for a separate contractor to remove the stump. Once the stump was removed, each memorial was treated with respect when they were returned to their places by re-leveling each memorial and seeding each site. Executing the project in increments so the privacy of burial ceremonies was not compromised was crucial for staff. Much of the contracted work took place in the afternoons away from scheduled burials.



Before and after stump grinding comparison



Wildwood Cemetery Burials





# Capital Improvement Project Highlights

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- Calumet Drive Pavement Repair
- North Avenue Resurfacing
- St. Clair Avenue Resurfacing
- Evergreen Park Area 5 Bridge Replacement





Capital Improvement Projects are a big part of Public Works' role in building the future. The Capital Improvement Plan establishes a five year plan for improvements to the community's infrastructure.



## Indiana Avenue Reconstruction

In 2022, the Wisconsin Department of Transportation along with Sheboygan County, reconstructed Indiana Avenue from South 24th Street to the west of South Taylor Drive. This reconstruction project consisted of upgrading the traffic signal infrastructure at the intersection of Taylor Drive and Indiana Avenue. Designated right and left turn lanes were constructed at this intersection and all traffic signal equipment was updated with a new traffic control camera system. The project included upgrades to the city sanitary sewer and water main. New sidewalk and ADA crosswalks were constructed at all intersections throughout the entire project. The existing 10 foot wide walking/biking trail on CTH PP from Kohler, WI was extended on this section of Indiana Avenue along with new street lighting throughout this trail extension. Indiana Avenue between South 17th Street and South 24th Street is scheduled to be reconstructed in 2023. This project will consist of a new water main, sidewalks, ADA crosswalks at all intersections, and street lighting throughout the project. This project will also extend the existing 10-foot-wide walking/biking trail on the south side of the road. This section of Indiana Avenue will be reconstructed as a concrete roadway with new curb and gutter.



### St. Clair Avenue Resurfacing

**Completion:** October 2022

**Project Description:** This project included storm sewer repairs, concrete sidewalk repairs, and new asphalt pavement.



### Calumet Drive Pavement Repair

**Completion:** June 2022

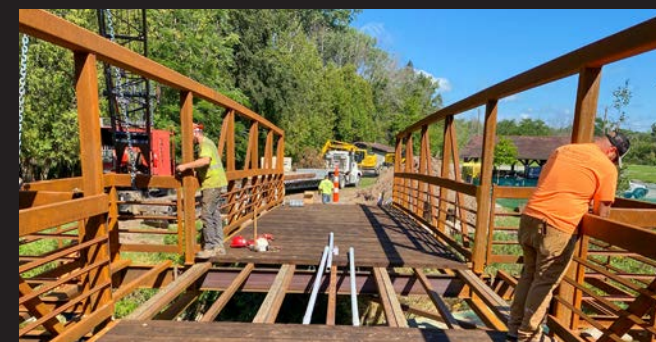
**Project Description:** This project included concrete pavement repairs.



### North Avenue Resurfacing

**Completion:** October 2022

**Project Description:** This project included storm sewer repairs, concrete sidewalk repairs, and new asphalt pavement.



### Evergreen Park Area 5 Bridge Replacement

**Completion:** October 2022

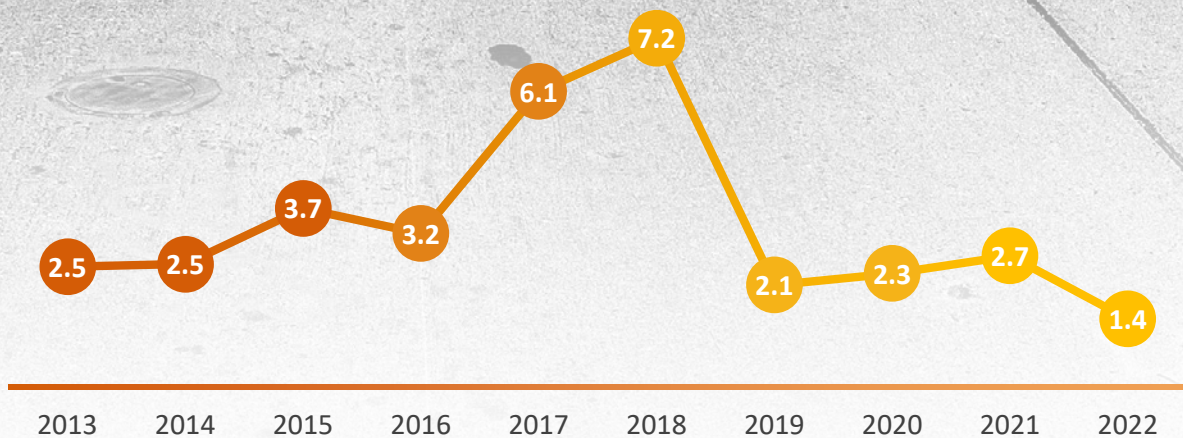
**Project Description:** This project included replacement of the pedestrian bridge near Evergreen Park Area 5 with a new bridge. The new bridge includes fishing platforms.



*The road to success is  
always under construction.*  
-Lily Tomlin



**Miles of Streets Reconstructed or Resurfaced per Year**



# Engineering

The Public Works Engineering Division has five main areas of concentration:

- Planning and Design
- Asset Management Surveys
- Maps and Records
- Construction Management
- Consultant Oversight

Through its programs and services, the Engineering Division seeks to improve the quality of life within the City by overseeing maintenance of the existing infrastructure, and design and oversight of improvement projects. The Engineering Division has a total of nine full time employees with several of the staff being with the Division many decades providing key historical references and information.

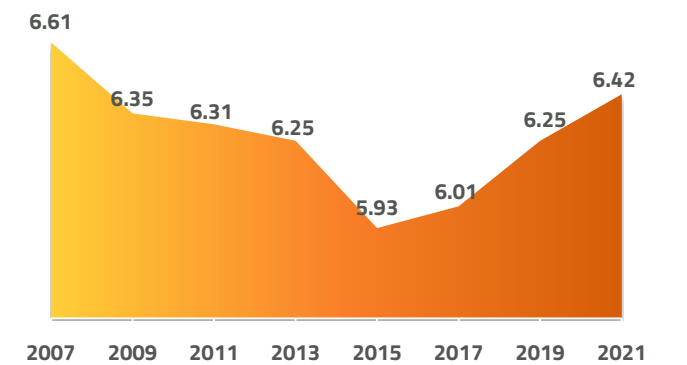
The Engineering Division manages the major infrastructure improvement projects (capital improvements program) within the City. Since 1995, the City of Sheboygan has invested approximately \$81 million in infrastructure improvements. The annual street resurfacing program provides the majority of street improvements. However, State and Federal funding for connecting highways also provides for the major reconstruction projects. Furthermore, new subdivision development requires the expansion of streets and sewer systems.

The City of Sheboygan's Pavement Management Program is a strategy that identifies cost-effective methods for preserving the City street network and prioritizes the levels of maintenance along with funding levels in order to improve the quality and extend the life on our existing street network. Pavement Management Systems take complex, large networks of data, and summarize this information into usable data for decision making. Streets are ranked biennially by many

factors such as pavement condition, average daily traffic, pavement type, utility condition, width, age, and many other factors. The goal of the Pavement Management is to make cost effective decisions with limited funding while improving and extending the life of the street.

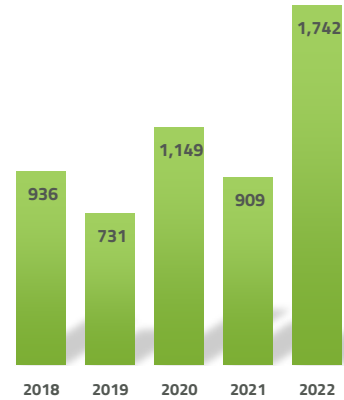
The Pavement Management System provides the Department of Public Works with a comprehensive overview of our street network and display the overall health or condition of this network, all based on condition assessments and maintenance strategies matrices and funding analysis. As a result, the Department has increased its efforts to improve this critical infrastructure to our community as is evident in the increased miles of streets resurfaced/reconstructed in recent years.

**Pavement Condition Rating**





**Linear Feet of Mini-Storm Sewer Installed**

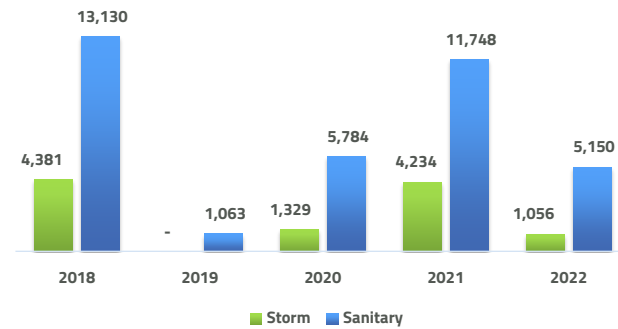


The Engineering Division has designed and installed over 10.76 miles of mini-storm sewers since the 1980's. Since the flood of 1998, the Division has taken an aggressive approach to solving clear water problems. This program continues to grow; Engineering Division now requires storm sewer laterals

in any new construction to ensure sump pumps are not discharged into the sanitary sewers. The mini-storm sewer program is ongoing.

Since 2012, the Division has relined CIPP (cure-in-place-pipe) over 11.9 miles of sanitary sewer and approximately 3.8 miles of storm sewer.

**Lineal Feet of Sewer Lining**

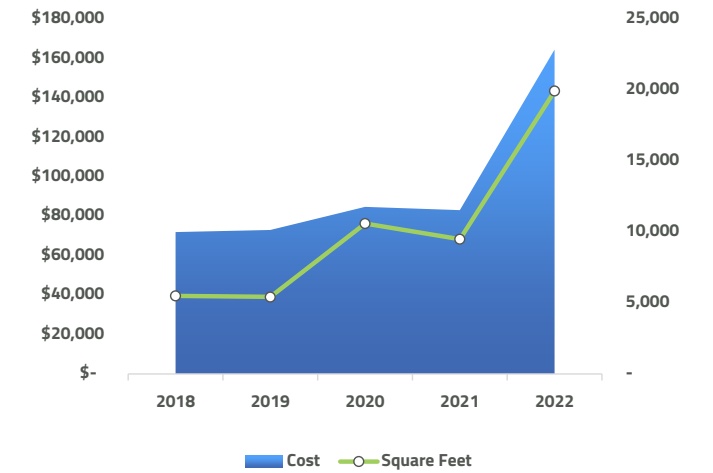


The Engineering Division also maintains all the mapping and data regarding the City's infrastructure. The City's base map is now digitally produced. In 2018, the Engineering Division invested in a new mapping and data collection software called ESRI. This software is the standard used throughout the industry. This software will allow the Division to transfer and share data more efficiently with other departments in the City of Sheboygan as well as other governmental and private industry entities. It will be the foundation for all of the infrastructure and data to be captured geographically. The majority of City services, even those outside of Public Works, are geographic in location.

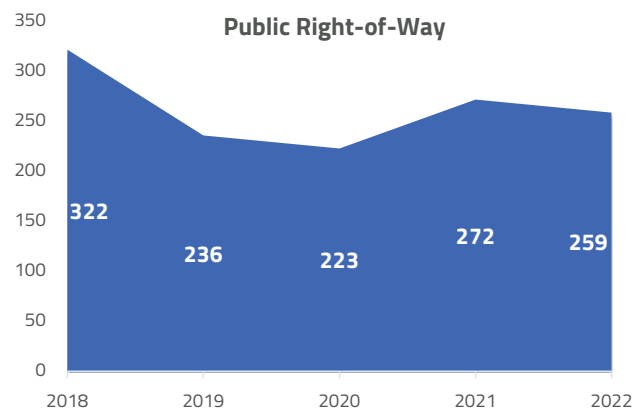
Surveying data is also captured digitally and downloaded into the mapping and design software (CAD), greatly enhancing the accuracy as well as speed to alter designs and review alternative layouts.

The Engineering Division manages the City Sidewalk Program, which inspects defective sidewalk and orders their replacement. It is the City's responsibility to maintain a safe pedestrian walkway, and failure to do so may result in future liability. Once notified of a defective sidewalk, the property owner has the option to do the work, hire their own contractor, or contract with the City's contractor for the sidewalk replacement. With approximately 350 miles of sidewalk, this program is ongoing.

**Sidewalk Repair/Replacement**



**Permits to Excavate in the Public Right-of-Way**



The Engineering Division also manages the utility cuts or excavations within the street right-of-way. This is an important program that ensures proper pavement restoration is performed. Poorly restored excavations in the street right-of-way lead to accelerated pavement deterioration.





# Parks & Forestry

The Parks and Forestry Division of the Department of Public Works main purpose through its facilities, programs, services, and personnel, seeks to enhance the quality of life and environment; to acquire, conserve, and protect natural resources; and to provide leisure opportunities for the benefit of its present and future citizens.

The Parks and Forestry Division has several goals that guide them to constantly strive for their purpose.

- Provide appropriate financial support for park, recreation, and open space needs.
- Develop an attractive diversified park system comprising of imaginatively designed indoor and outdoor areas and facilities to meet the varied interests of the residents.
- Maintain the park system, in accordance with high standards, so as to contribute to the beauty, charm, and quality of life of the City of Sheboygan.
- Cooperate with and support the Sheboygan Area School District in the joint planning, design, development, and operation of areas and community, recreation, and education programs.
- Utilize land and water resources in cooperation with both public and private agencies for the maximum development of recreation programs and services.
- Maintain high standards in leadership, facilities, and equipment consistent with the Department of Public Works and the City of Sheboygan's mission.
- Provide for the planting, maintenance, and preservation of all trees and flora on City owned properties.

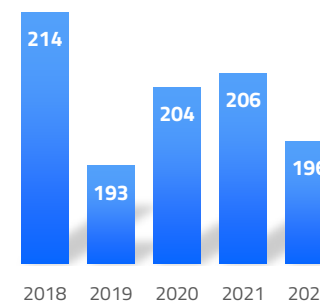
*Some people look for a beautiful place,  
others make a place beautiful.*

*-Hazrat Inayat Khan*

## PARKS

The division is responsible for maintaining and improving the City park system, which consists of 36 parks, 705 acres, six rent-able buildings, 10 rent-able picnic shelters, a bandshell, 25 sets of restrooms, 24 playgrounds, three splash pads, two fish cleaning stations, a kayak launch, six tennis/pickleball courts, three pickleball courts, six baseball/softball fields, Wildwood Softball Complex, Wildwood Athletic Complex (home of the Sheboygan A's), two miles of public beaches, a concrete skate park, and an archery range. The division also assists with the many Sheboygan celebrations and special events held throughout the parks and other locations within the community.

**Park Garbage in Tons**



Park garbage is collected twice a week by two park staff using the park garbage truck. The division also collects garbage from the 8th Street receptacles, City offices, and the Police and Fire Departments.

Grass cutting and park maintenance dominate the summer season. The grass mowing crews are comprised of full-time and seasonal employees. These crews are responsible for mowing and trimming of all parks, street boulevards, and water retention areas. With 16 rent-able areas during the summer and 25 sets of restrooms, maintenance and cleaning are scheduled seven days a week.



Winters for the park and forestry crew consist of adding an extra tree trimming crew, snow removal of 26.2 miles of sidewalks and trails, cleaning 11 parking lots and maintenance of park signs, picnic tables, garbage corrals, grills and cleaning of four park rental buildings. The Parks and Forestry Division also assists the Streets Division on an as-needed basis with street snow removal.



In addition to routine maintenance, the division is responsible for delivering park equipment to the major festivals and smaller gatherings within the park system. The department charges these organizations for the use and delivery of the equipment. Other than equipment and park rental fees, parks are available at no charge to the public.





In 2022, most major events were held once again in the city. Major events that are usually held in the city's parks include:

- Greek Fest
- Freedom Fest Independence Day Celebration
- Hmong Summer Festival
- Rotary Lobster Boil
- Jaycee's Bratwurst Days
- Maywood Flapjack Day

These celebrations are open to the entire community and enrich quality of life of the citizens of the City of Sheboygan. The division is committed to supporting these events and providing quality services which is consistent with enhancing the quality of life for the citizens of Sheboygan.



**LAKESHORE NATURAL RESOURCE PARTNERSHIP**

The Parks Division continues to work with Lakeshore Natural Resource Partnership (LNRP), and several other partners to hire Wisconsin Conservation Corps (WisCorps) to remove and chemically treat a variety of invasive species along the Broughton drive bluff. Stantec, an environmental engineering consultant, is instrumental in working with WisCorps along the Bluff. WisCorps were able to work two weeks on the bluff again in 2022. The Bluff Restoration Project consists of invasive removals and planting of a variety of native grass seed, trees, and shrubs for erosion control.



**JAYCEE PARK & ELLWOOD H. MAY ENVIRONMENTAL PARK**

Jaycee Park is 38.29-acre park that provides a year-round 23-hole disc golf course, mountain bike trails along Pigeon River, and a beautiful spring fed quarry lake that is home to the Quarry Beach and Adventure Park. The adventure park first opened in 2013, leased by the City to a private company. In 2017, a local company, EOS Surf, took over management and lease of the Quarry. The park provides water park inflatables, or wibits, for ages 6 and up, kayaks, stand up paddleboard rentals and lessons, a beautiful sand beach, and party room rental. The park is a big part of Sheboygan's history, and the adventure park has brought new life to the whole park.

Ellwood H. May Environmental Park, or more commonly referred to as, "Maywood," is Sheboygan's largest park with 135-acres of unique property that has been converted back into a natural state including six unique habitats; Prairie, Pine Forest, Mixed Hardwood Forest (Maple Forest), Ponds, Wetlands and the Pigeon River. The property also has an arboretum, a butterfly and hummingbird garden, and a fantastic Ecology Center. Maywood's primary focus is environmental education and stewardship. Programs offer educational and outdoor experiences designed to connect people of all ages to the natural world. In 2018, Maywood worked with the Sheboygan Area School District and Camp Y-Koda to offer a



pre-school program. The program has grown and now offers morning and afternoon sessions that offer a hands-on nature-based learning experience.

Maywood, Evergreen and Jaycee Park offer many winter activities including cross country skiing, snowshoeing, hiking, fat tire biking, disc golf, and a plowed walking path on the one-mile park roadway in Evergreen Park. All three parks offer beautiful winter views of the Pigeon River and wooded areas.

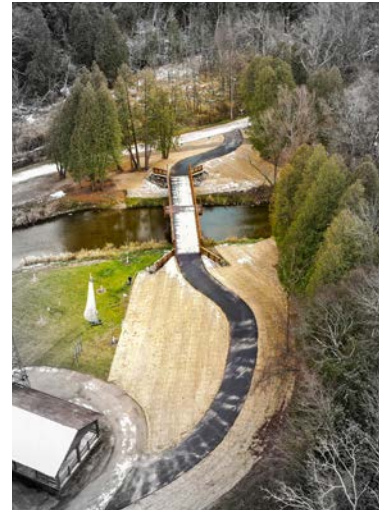


**MAKING SPIRITS BRIGHT**

A great holiday tradition is driving through the Sheboygan County Rotary Club's, Making Spirits Bright, annual holiday lights show in Evergreen Park. It was open to the public from 5:00 – 9:00 p.m. from the Friday after Thanksgiving through December 31 (closed on Christmas Eve). They were able to collect 121,000 pounds of pantry items for the Sheboygan County Food Bank this year. Making Spirits Bright was initiated in 2012 by the Sheboygan County Rotary Clubs and held in Evergreen Park and the Quarryview Center in Jaycee Park. The City is just one of the many partners that work closely with the County Rotarians to support the event.

**LAKEVIEW PARK AND EVERGREEN AREA #5 CLOSED FOR 2023**

Lakeview park will be used as a staging area for the Lakeshore Interceptor project during 2023. In exchange the park will receive several improvements as part of the project. Construction of the new bridge in Evergreen Area #5 was completed in 2022. The area will remain closed to rentals for a portion of the season for additional planned improvements and to allow growth of newly planted grass seed.

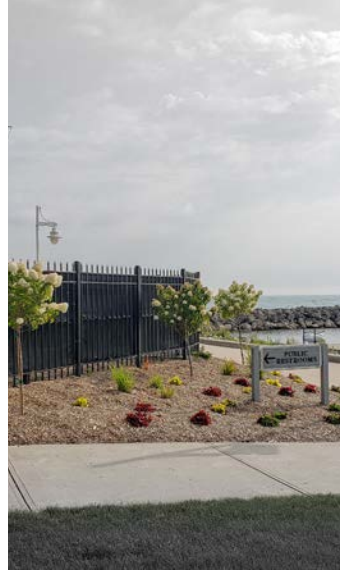


**SHEBOYGAN BIERGARTEN**

John Powers, owner of the Sheboygan Biergarten, a public private partnership held in Kiwanis Park, said that it was his best year ever, since opening in 2019. The Biergarten was open Friday – Sunday for the summer season. John stated that many walkers and bikers are using the new trail to visit the Biergarten and there are many boaters also stopping on the river. Next year John is working with the Parks Division to provide docking space for boaters.







**NEW LANDSCAPING  
AROUND THE MARINA**

Department staff removed overgrown arborvitae trees that were impeding into the Marina pool area and boardwalk along the lake. Privacy screen was added to the fence during the season and park lakefront staff designed and planted vegetation that beautified the boardwalk.

**CHANGES TO THE VOLLRATH  
DISC GOLF COURSE**

DPW worked closely with the Sheboygan Water Utility to make room in Vollrath Park for a \$41 Million dollar drinking water project. Unfortunately, it meant the loss of hole 13 or affectionately known as the “Lake Monster” by the local disc golf community. In return the department is working with local golfers to make small changes to the course and add another hole in an area known as the buffalo pit. This area is where the buffalo were kept when Sheboygan had a zoo in the park. As a part of construction the deep swale will be partially filled with clean fill from the project. Trees will be planted and a new disc golf hole will be made.



**SHEBOYGAN A’S**

It’s the end of an era as longtime A’s General Manager Denny Moyer stepped down as the GM of the Sheboygan A’s. Moyer has been the only GM in the Club’s long history.

The Sheboygan A’s are members of the Wisconsin State League and Northeastern Wisconsin Baseball League. The A’s have helped develop more than 43 players that have reached professional baseball, including 2002 World Series Champion Jarrod Washburn (Anaheim Angels). All Sheboygan A’s home games are played at Wildwood Baseball Park in Sheboygan.



**COMPREHENSIVE OUTDOOR RECREATION PLAN  
(CORP)**

The department spent a significant amount of time with GRAEF Consulting in 2022 to update the city’s Comprehensive Outdoor Recreation Plan. Keeping a current plan not only provides an assessment of recreational facilities and current needs but it also allows the city to be eligible for certain recreation grant programs administered through the Wisconsin Department of Natural Resources and other state and federal agencies. Facilitated by GRAEF Consulting, three community meetings were held throughout

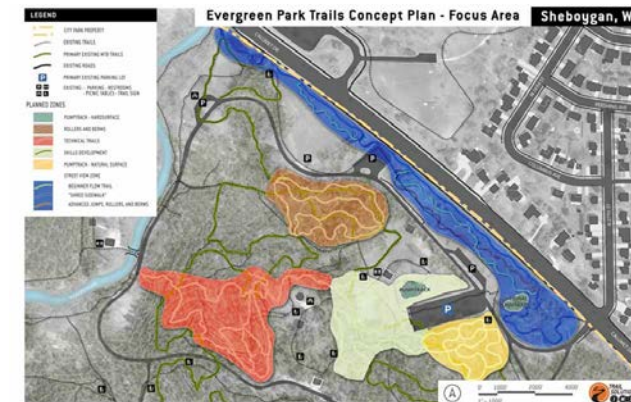
the summer and a month-long community survey was provided in several forms to reach as many community members as possible. This was all done in an effort to receive as much community feed-back as possible about what the public wants from our city parks and trails. The proposed completion of the plan is May 2023.

**ADOPT-A-PARK/TRAIL  
PROGRAM**



In 2018, the Department of Public Works piloted an Adopt-A-Park and Adopt-A-Trail program for Neighborhood Associations, local businesses and community groups. The program provides volunteer opportunities for community members to take an active role that contributes to the beautification of local parks and trails.

In 2022 Evergreen Park was adopted by the Friends of Sheboygan County Cycling. The Friends group started meeting with the city initially in 2021 to aid in the fundraising of a \$25,000 trails assessment and trail improvement project for Evergreen and Jaycee (Quarry) parks. After the storm on June 15, 2022, the Friends group made it their mission to clear all of the biking/hiking trails in Evergreen Park because the department was busy with the removal of hazardous trees along the city streets. The city did receive a quote for clean-up of the trails from a Tree removal company at a price of \$25,000. The Friends group instead held several work groups and cleared almost all of the trails. They



were unable to use chainsaws on city property so all work was done with hand tools. When completed, two city forestry staff worked for only four hours to help finish by cutting the larger trees left on the trail. The Friends of the Sheboygan County Cycling continue to fund-raise for the trail improvement project.



**PARK STORM DAMAGE FROM JUNE 15, 2022**

Evergreen Park was not the only park impacted by the June 15th storm. Almost all parks on the north side of the city suffered tree damage. All divisions of DPW came together to clear roads and remove hazardous trees. It was approximately three weeks before work could be done in the parks. Much of the park work was done during overtime hours. Landmark Landscapers, a local landscaping company, donated a crew for a day to help clear trees in the Vollrath Park disc golf course.

The Jaycee (Quarry) disc golf course was heavily damaged with downed trees and unfortunately the lower holes remained unusable for much of the summer. The city also received a quote for storm clean-up in the disc course area in the amount of \$30,000. When DPW crews finally had the streets secured, park staff organized overtime crews to start clearing the course. Community volunteers that were anxious to get the course open also helped with the weekend storm clean-up. BoMallies Restaurant provided food and water to the worker including 50lbs of wings during one of the clean-up days.



# June 15, 2022

On the evening of June 15, 2022, a thunderstorm with very high winds left thousands of downed and damaged street trees in the city. The majority of the damage was on the north side of Sheboygan. **The Department of Public Works responded immediately after the storm, inventorying the damage and prioritizing the clearing of trees from blocked roads.** For the next several weeks storm damage clean-up was long hours and all hands-on deck by any DPW staff that could be pulled from other duties.

Once the roads were open, crews worked on opening blocked driveways and removing trees that were on vehicles. Crews then concentrated on removing trees that were on top of houses. This work needed to be carefully performed and a specialty crane and excavator needed to be rented to supplement the Departments' equipment. Trees and limbs blocking sidewalks or laying in the parking lane/terrace were then addressed. It took just over four weeks for the Department to address most of the reported 1,082 damage concerns. The Forestry Division and contracted services spent the majority of the summer and fall addressing the aftermath of the storm.

**\$450,000** Cost of Clean-Up due to Storm Damage

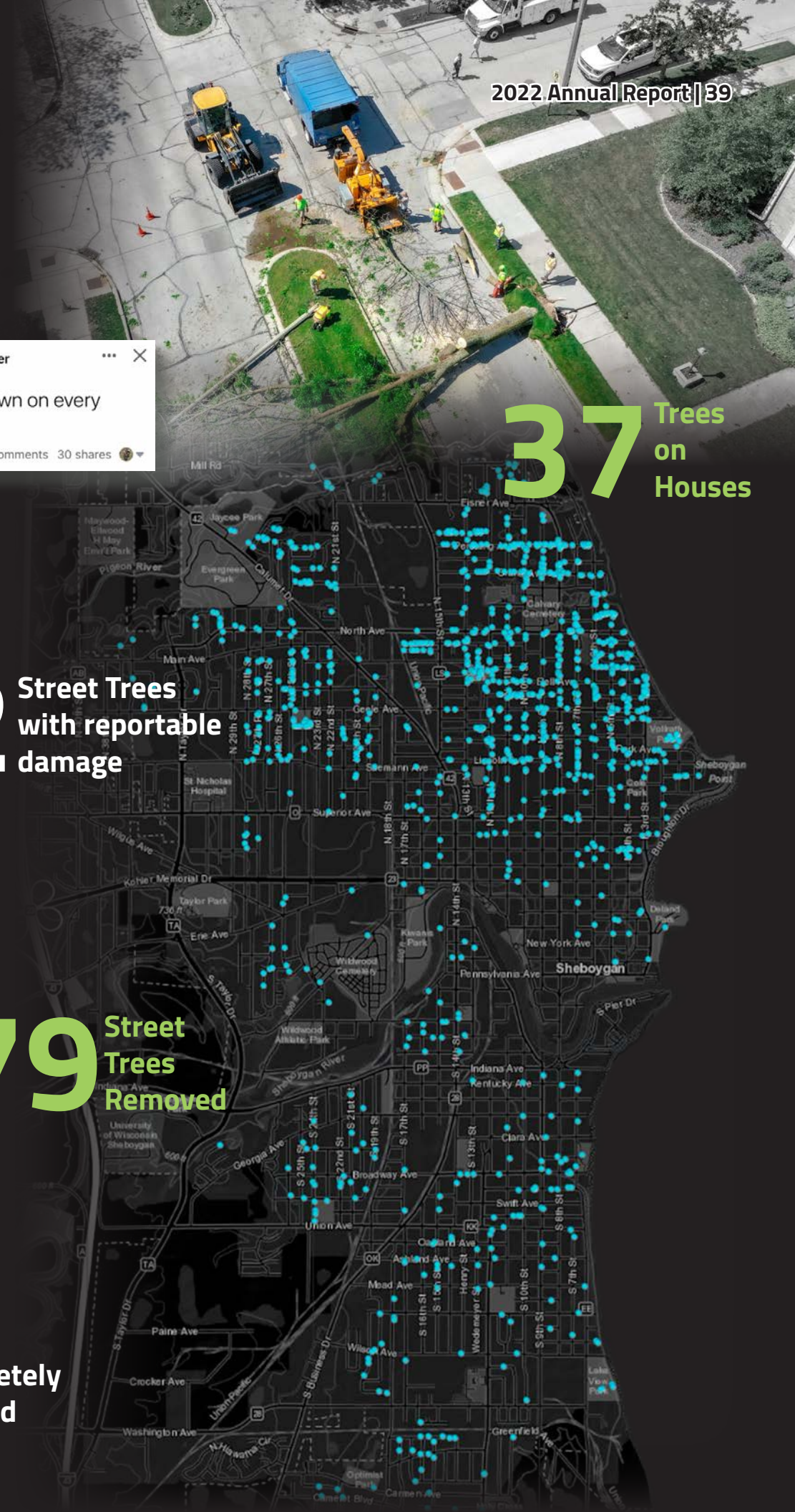


**37** Trees on Houses

**1,082** Street Trees with reportable damage

**479** Street Trees Removed

**40** Roads Completely Blocked





**The true meaning of life is to plant trees, under whose shade you do not expect to sit.**  
-Nelson Henderson

**FORESTRY**

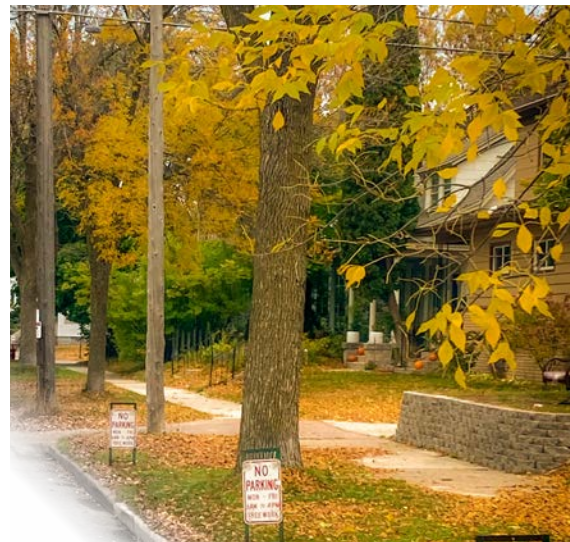
The Division has five full-time forestry employees that care for about 20,000 street and park trees. During the winter months, an additional three-person crew is formed by other Public Works employees to aid in the trimming of the street trees.

In 2016, the Common Council accepted its first Urban Forestry Management and Emerald Ash Borer (EAB) Plan. It also developed a planting plan, inventorying over 3,700 possible street planting sites. Tree planting and ash tree management became a priority for the division in 2017 and will be for years to come. The urban forest of Sheboygan provides aesthetic, economic, and environmental benefits to citizens, businesses, and visitors. Beyond shade and beauty, trees have practical benefits and real monetary value.

An i-Tree analysis found that trees contained within the City of Sheboygan inventory contribute \$3.1 million in benefits per year. These benefits include: stormwater runoff reduction, carbon dioxide reduction, energy savings, property value increases, and air quality improvement. **The purpose of having an urban forest management plan is to ensure that the citizens of the City of Sheboygan will enjoy the benefits of trees through proper arboricultural techniques and management practices.**

The plan breaks down into two main goals:

- **Eliminating high risk situations such as high-risk trees, branches, and the removal and management of EAB infected trees.**
- **Establish a routine, comprehensive Urban Forestry Program for a healthy forest.**



In 2022, the City of Sheboygan celebrated 44 years of being designated "Tree City USA" we are the longest-running in all of Wisconsin. **The City of Sheboygan also celebrated its second year of being named a "Tree City of the World" by the Arbor Day Foundation, one of only 139 cities around the globe to have this recognition and currently the only city in Wisconsin to have it.**



To earn the recognition of a Tree City of the World, the City had to meet five core standards:

1. **Establish Responsibility** - The city has a written statement by city leaders delegating responsibility for the care of trees within the municipal boundary to a city department.
2. **Set the Rules** - The city has in place a law or an official policy that governs the management of forests and trees.
3. **Know What You Have** - The city has an updated inventory or assessment of the local tree resource so that an effective long-term plan for planting, care, and removal of city

trees can be established.

4. **Allocate the Resources** - The city has a dedicated annual budget for the routine implementation of the tree management plan.
5. **Celebrate Achievements** - The city holds an annual celebration of trees to raise awareness among residents and to acknowledge citizens and staff members who carry out the city tree program.



Before and after construction of the gravel bed in 2021



Bare root trees waiting to be planted in 2022

Before and after of tree root ball development

One of the achievements celebrated for Arbor Day was showcasing the newly constructed Bare Roots Accelerated Growth System (BRAGS). The system was used for the first time in 2022. The BRAGS is a 60 foot x 90 foot area containing about 12 inches of pea gravel with daily scheduled irrigation and is used to house bare root trees over the summer which allows them to rapidly develop their roots before being planted in the fall. **The system successfully held 350 trees which were then planted in October and**

**November.** Combined with spring planting this brought our total tree planting numbers for 2022 to over 600. The Department of Public Works would like to recognize and thank the Sheboygan County Stewardship, Restoration Of Our Trees Sheboygan (ROOTS), Alliant Energy and The Wisconsin Department of Natural Resources for their continued support in grants that support the management of the City of Sheboygan's Urban Forest.



# Streets & Sanitation

As the largest Division within the Public Works Department, the Streets and Sanitation Division utilizes its personnel, resources and programs to improve the quality of life by effectively developing, maintaining, and improving the infrastructure, and providing community services. Operating with around 33 full-time employees in 2022, the Division was able to fulfill many of its Department goals.

Daily street and sanitation activities for the division includes:

- Street excavation and repairs
- Tarring / crack filling
- Pothole repair
- Asphalting and concrete work
- Street sweeping
- Snow and ice removal
- Barricading for City celebrations/events
- Garbage and recycling program
- Residential Recycling Center
- Sewer maintenance and construction



**All labor that uplifts humanity has dignity and importance and should be undertaken with painstaking excellence.**

*-Martin Luther King Jr.*

## STREET MAINTENANCE

Street maintenance activities are conducted daily throughout the year making this activity one of the costlier programs within the Division. Through process improvement, technology, and utilizing the latest equipment innovations, the Division is able to provide these services in a cost-effective way.

### POTHOLE REPAIRS

With the recent upgrade to an asphalt recycling unit, the Department is able to avoid utilizing “cold mix” as the primary material to fill potholes during the winter months. Utilizing this new equipment, the Department is effectively utilizing hot mix asphalt year-round allowing these repairs to be a more permanent solution. Using hot mix makes a better, longer lasting repair. As shown in the graph, the DPW placed 118 Tons of hot mix asphalt in 2022 for repairing potholes. During 2022, the division was able to respond to 84% of pothole repair requests within two business days.

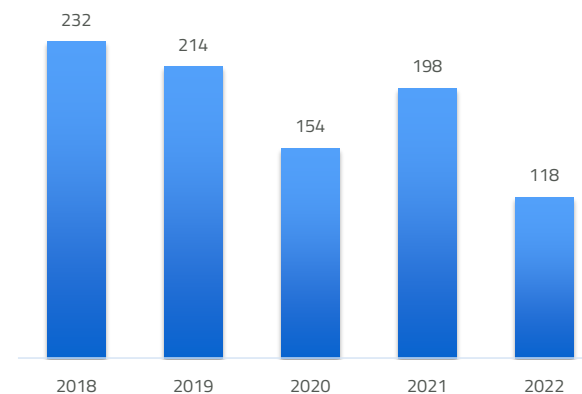


### ASPHALT PAVING OPERATIONS

With the purchase of the Department’s asphalt paver in 2017, the Streets and Sanitation Division works collaboratively with the Engineering Division to complete capital improvement projects. In addition, the Street Division completes multiple mill and overlay projects identified by surface condition need.

- N. 8th Street - Superior Avenue to National Avenue  
626 Tons  
668 Lineal Feet
- Lincoln Avenue - N. 10th Street to N. 12th Street  
316 Tons  
865 Lineal Feet
- N. 10th Street – North Avenue to School Avenue  
200 Tons  
682 Lineal Feet

**Tons of Asphalt for Pothole Repair**





- Kiwanis Park Road  
692 Tons  
733 Lineal Feet
- Pennsylvania Avenue - N. 5th Street to Broughton Drive  
603 Tons  
612 Lineal Feet
- Geele Avenue – N. Taylor Drive to N. 38th Street including dead-end of N. 36th Street  
1,894 Tons  
2,269 Lineal Feet
- Moening Road – Weeden Creek Road to S. Business Drive  
1,131 Tons  
2,588 Lineal Feet
- S. 12th Place – Castle Avenue to Camelot Boulevard  
413 Tons  
578 Lineal Feet
- S. 12th Place – Georgia Avenue to Alabama Avenue  
367 Tons  
382 Lineal Feet
- Cleveland Avenue – N. 21st Street to N. 22nd Street (North Half)  
41 Tons  
322 Lineal Feet



**Various Parking Lots and Access Roads completed in 2022:**

- City Parking Lot – NW corner of N. 9th Street and Center Avenue  
250 Tons  
9,510 Square Feet
- Wastewater Treatment Plant Access Road  
286 Tons  
20,000 Square Feet
- Sheboygan Fire Department #4  
70 Tons  
2,497 Square Feet
- City Cemetery – Wildwood  
55 Tons  
281 Lineal Feet
- Sheboygan Senior Living (UpTown Social) Parking Lot  
450 Tons  
25,113 Square Feet



The DPW placed a total of 7,394 tons of asphalt with the paver, overlaying 9,980 lineal feet of street pavement and 57,120 Square Feet of parking lot surface in 2022. The DPW purchases the majority of the asphalt from Sheboygan County Highway Department resulting in lower overall cost per ton than purchasing from a private vendor.



**CONCRETE PAVING OPERATIONS**

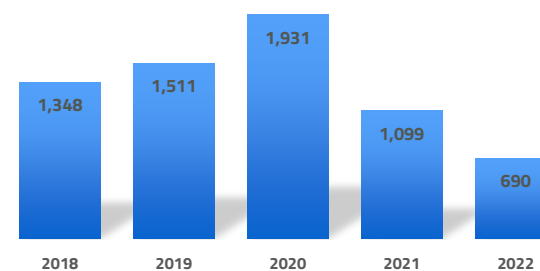
The DPW street crews continue to replace sidewalk ramp corners to meet American Disabilities Act standards on all concrete paving and asphalt overlay projects. Street staff and Engineering staff work together to set proper grades for the accessible ramps. This work has increased the amount of effort and time to complete these projects. Staff continues to remain up to date on specific requirements of the ADA Act through annual training.

- **Uptown Social (New Senior Activity Center on N. 8th Street)**

In addition to the various repairs to the City's street network, DPW street crews worked with the Engineering Department to develop the outside improvements to the newly constructed Uptown Social building. Concrete crews spent several weeks constructing new curb and gutter, sidewalk, sidewalk ramps, driveway approaches and outdoor patio spaces.

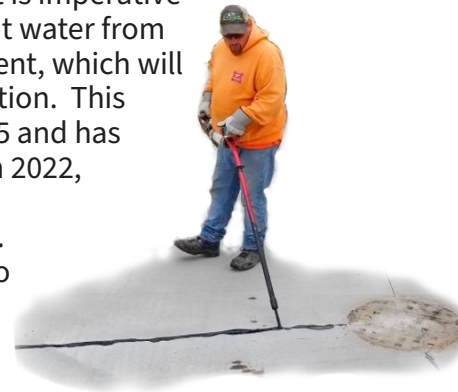


**Yards of Concrete Installed**

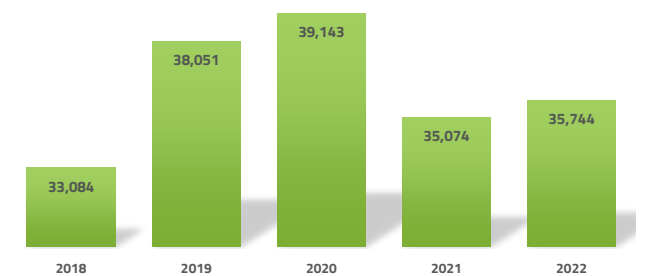


**CRACK FILLING OPERATIONS**

Crack filling is performed on a two-year, five-year, and ten-year cycle, in that streets with asphalt overlays or new streets have cracks filled during these periods. It is imperative to seal cracks to prevent water from penetrating the pavement, which will cause further deterioration. This program started in 1985 and has been very successful. In 2022, DPW crack filled 35,744 lineal feet of pavement. As the division begins to overlay more streets, the City will continue to see increases in the total lineal feet crack filled annually.



**Crack and Joint Filling (Lineal Feet)**

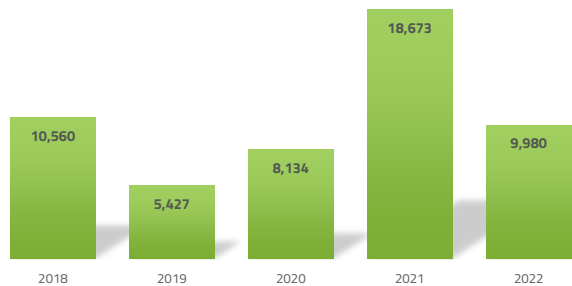


**STREET RIGHT-OF-WAY EXCAVATIONS**

Street Right-of-Way (ROW) excavations occur when contractors need to dig within the street ROW to repair, replace, or install utilities. The department regulates this activity to ensure the protection of the street and underground utilities. In efforts to maintain the street network's integrity and traffic, careful coordination is required between the DPW and the contractor.

In previous years, the Streets Division would perform all the repairs to the ROW. This activity would take a considerable amount of time and resources away from other division projects. To work more efficiently, the division has shifted this work back to the contractors and utilities. The

**Lineal Feet of Asphalt Overlay**





division ensures the quality of the repair through the permit process and frequent inspections through the Department's Engineering Division.

The quantity of utility service holes throughout the City is continually increasing as infrastructure ages and advancements to technology are made. Telecommunications deregulation has opened the competition, and the result is more companies installing new communication wires. Also, the gas utility continues to systematically upgrade its infrastructure. The permit process allows the department to quickly identify issues and/or the responsible party for damages and repair.



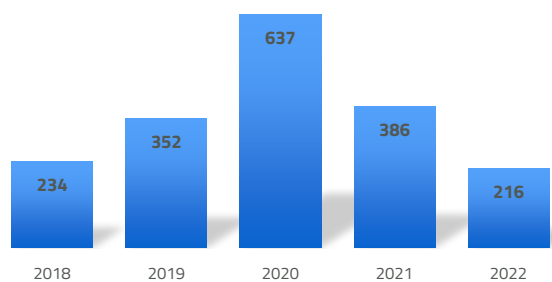
Directional boring that went through a storm sewer

### BRIDGE MAINTENANCE

Bridge maintenance is another major function under the Streets and Sanitation Division. The City has 19 bridges with over 168,000 square feet of bridge decking. The 8th Street Bridge over the Sheboygan River is the most expensive in terms of maintenance and operation.

The bridge has a lift span that must be opened for maritime traffic. From May 1 through October 31, the bridge is staffed with tenders that open and close the bridge for boaters.

Bridge Openings



State and Federal regulations require bridges to be inspected biannually by a certified bridge inspector, whom the division has contracted with the County. The City of Sheboygan Department of Public Works assists the County crew with various maintenance activities as recommended by these annual inspections which include repairs to the deck surfaces.

Annual Bridge Maintenance includes seal coating the bridges biannually. Eight bridge decks were sealed in 2022.



### SNOW AND ICE CONTROL

Snow and ice control are one of the most essential and visible activities the Streets Division performs. The division takes a proactive approach through advance planning, work crew training, equipment readiness, deicing agents, monitoring weather forecasts, dispatching crews, and public notification.



The Department of Public Works utilizes brine to treat the roadways. The direct application of brine, also known as anti-icing, can be applied to road surfaces three days before a snow event. While not a replacement for road salt, Anti-icing is often the most cost-effective and environmentally safe practice in certain winter road maintenance situations. Applying the brine to the roadways prevents snow and ice

from forming a bond with the street pavement allowing for easier snow removal.

Anti-icing requires about a fourth of material at one-tenth of the overall cost. One ton of salt makes around 800 gallons of brine. The DPW can treat 26 miles of road with 800 gallons of brine. Comparatively, one ton of salt applied directly on to the road at 300 lbs. per lane mile can treat up to 6.6 miles.

In addition to anti-icing, DPW salt and plow trucks can apply brine to the salt as it is applied to the road surfaces. Applying brine to road salt is called pre-wetting. According to recent studies, pre-wetting salt can reduce salt usage by 30 percent. It is activated by pre-wetting the salt with brine before being applied to the street and starts working immediately. In contrast, dry salt needs to come into contact with precipitation before it will to start work. When dry salt is applied to roadways, researchers have found that up to 30% of the salt bounces and scatters into the curb lines. Pre-wetted salt does not bounce as much and stays in the roadways.

Over the past four winter seasons, the City of Sheboygan has experienced an average of 15 snow events a year that required the DPW to respond. In 2021 – 2022 season, the City of Sheboygan saw 20 snow events, which totaled 26 inches of snow. The DPW used 2,663 tons of salt to make the streets safe for travel during the winter season.



Winter Snow Operations

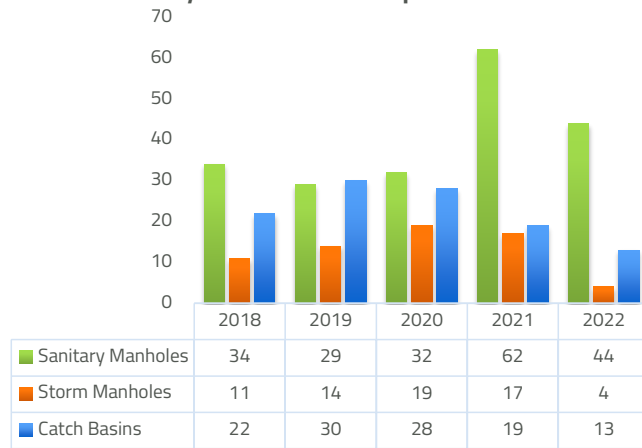
YEAR	NUMBER OF EVENTS	TOTAL EVENT DURATION (HOURS)	TOTAL EVENT PRECIPITATION (INCHES)	TOTAL MAN HOURS	LABOR COST	SALT (TONS)	SALT COST
2012-2013	24	319.25	61.50	4,004	\$ 126,126	5,012	\$ 297,574
2013-2014	32	248.00	69.25	4,680	\$ 147,428	4,667	\$ 283,777
2014-2015	19	124.50	29.00	1,960	\$ 61,740	2,302	\$ 162,055
2015-2016	22	332.25	39.70	3,115	\$ 98,107	4,552	\$ 320,433
2016-2017	22	447.50	65.00	4,988	\$ 157,122	4,557	\$ 314,314
2017-2018	15	253.50	47.50	3,424	\$ 117,710	2,925	\$ 195,785
2018-2019	20	231.00	69.00	2,937	\$ 102,795	3,212	\$ 245,300
2019-2020	10	210.00	34.00	2,863	\$ 71,575	1,701	\$ 137,696
2020-2021	16	288.00	39.00	3,339	\$ 83,475	2,276	\$ 191,616
2021-2022	20	249.50	25.70	2,719	\$ 85,645	2,663	\$ 230,892



## SANITARY AND STORM SEWER OPERATIONS

This Division performs sanitary sewer repairs through an interdepartmental budget from the Wastewater Treatment Plant. These expenses are charged against the sewer rates. These maintenance and repairs are typically prioritized with any street resurfacing or reconstruction.

Sanitary & Storm Sewer Replacements



### SANITARY & STORM SEWER CONSTRUCTION

During the 2022 construction season, the DPW replaced 44 sanitary manholes. The division uses precast concrete manholes as replacements. They are often replacing cream city brick manholes built by hand in the late 1800s. Using precast structures makes for faster and easier repairs, limiting the amount of time our employees are working in an excavation. Precast structures also limit the amount of infiltration from ground and surface water.

Along with replacing sanitary manholes, crews also replaced catch basins and stormwater manholes. Replacing the entire manhole with a precast concrete one is more effective over the long term because they allow little opportunity for groundwater infiltration.

Although this process is more time-consuming, older manholes constructed with block, brick, or a combination are easily infiltrated by groundwater.

Whenever possible, crews try to increase the size of the pipe when replacing catch basin leads. Unfortunately, this is not always possible because other buried utilities may conflict with the storm sewer pipe. In 2022, the DPW replaced 13 catch basins and 4 storm manholes.

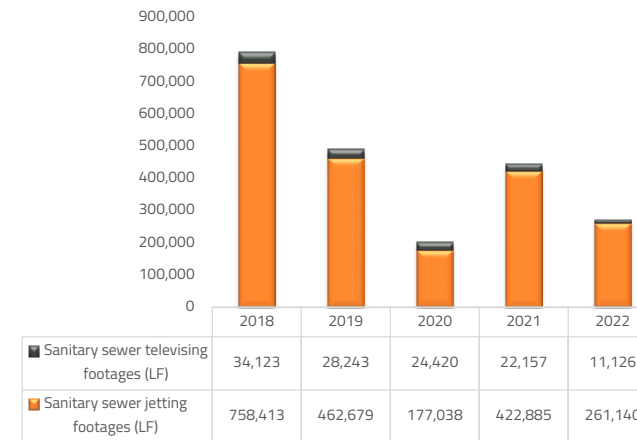


### SANITARY & STORM SEWER MAINTENANCE

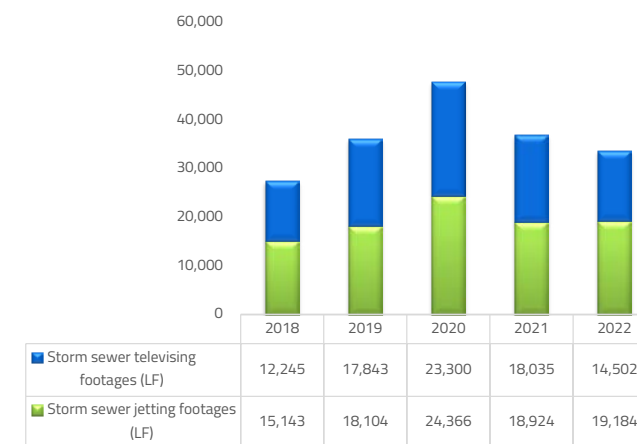
Sewer “jetting” is performed with a high-pressure water hose and is jetted through the sewer pipe to clean the inside of the pipe. Storm sewers become restricted with debris build-up such as leaves, twigs, sand, and gravel in storm sewers. Sanitary sewers have mineral deposits, grease, and roots. Sewer “jetting” alone is not sufficient to remove roots. The City hires a contractor to apply chemical-laden, thick foam to kill roots, which then decay and slough away. When debris causes the sewer to become restricted or smaller, the sewer is not capable of handling the normal flow. As a result, backwaters may occur. Sanitary sewers are the division’s main concern due to the health concerns of the potential of raw sewage backing

up. This explains the large disparity between the number of feet of sanitary sewer jetted versus storm sewer.

Sanitary Sewer Cleaning



Storm Sewer Cleaning



The Public Works Department owns and operates a sewer camera truck. This equipment allows the division to inspect the integrity of sewer pipe to determine its performance. As a rule, before any street resurfacing or reconstruction, the sewers are inspected to determine whether they should be replaced, lined, or remain. This practice has significantly reduced the need to excavate in newly paved streets, which is never popular or good for public relations. Also, to maintain high standards, new sewers are inspected to verify appropriate construction practices.



Backwaters occur when sewage backs-up into a residence or business. There are numerous reasons why a backwater may occur. Many backwaters occur due to broken laterals or from the property owner flushing inappropriate materials in the drains. The result is a clogged sewer lateral, which is the property owner’s responsibility. At times the sewer main is clogged and must be opened and cleared for the sewage to flow again.

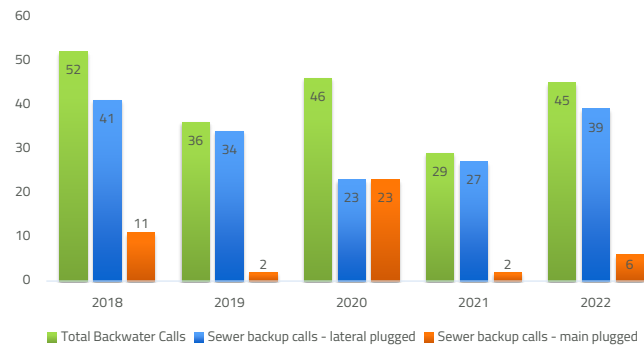
Sewer jetting and inspections are completed to prevent potential problems and avoid backwaters. In 2022, 261,140 linear feet of sanitary sewer pipe were jetted, and 11,126 linear feet were televised. There was 19,184 linear feet of storm sewer pipe jetted, and 14,502 linear feet televised. The DPW received 45 calls for backwaters, or sewer backups. Out of the 45 calls 39 were caused by the homeowner’s lateral that connects the home to the sanitary sewer.

The Department’s “Coping with Sewer Back-ups” informational handout is provided to property owners dealing with a sewer backwater and is also available on the Department’s web site.

To educate the public, the division has developed an informational handout for the public on “Coping with Sewer Back-ups.” It is available on the Department’s web site and is personally delivered on backwater calls.



**Sanitary Sewer Backup Response**



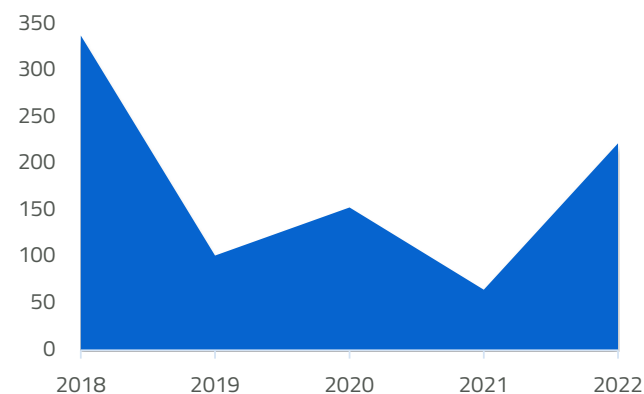
Manhole entries are performed during inspections, cleaning operations, installing monitoring equipment, and installing the camera for T.V. inspections. Every entry must have a permit that documents a confined space entry. Furthermore, two persons must be on-site during the entry for safety.

Manhole entries are very dangerous due to the potential of lethal gases and engulfment from flows. Annual training is mandatory for employees required to enter confined spaces. The City of Sheboygan has 4,852 sanitary sewer manholes and approximately 3,202 storm sewer manholes.

**STORMWATER MANAGEMENT**

Due to water quality concerns, the State of Wisconsin now requires the City to permit its storm sewer system through the Wisconsin Department of Natural Resources (WDNR). The permit requires “best management practices”

**Catch Basin Debris Removed (Tons)**



(BMP) to ensure water quality. Two major BMP’s are street sweeping and catch basin cleaning. In 2000, the Streets Division started to systematically clean catch basins. Before this period, the Division cleaned basins only on a complaint basis. The first year experienced a large amount of tonnage collected due to the infrequent cleaning in the past. In 2022, the DPW removed over 222 tons of debris from the catch basins.



Catch Basin before and after cleaning



The Engineering Division completed a comprehensive update to the Citywide Stormwater Management Plan in 2020 and is awaiting DNR approval. The Wisconsin Department of Natural Resources provided a grant to help pay the costs of contracting with a consulting engineer to help draft the update.

Since it was over ten years, the plan needed a comprehensive update and incorporated new rules that the State of Wisconsin DNR is permitting for water quality initiatives. Once approved by the DNR, the Department will have a plan that will guide daily maintenance activities and provide future capital planning of major stormwater management projects within the City.



**STREET SWEEPING**

Street sweeping operations not only keeps the City streets clean, it is also required to comply with the WDNR’s stormwater permit requirements. Overall, the amount of tonnages collected as part of the street-sweeping program has been fairly consistent. One change that has significantly affected the program in terms of cost was the requirement to dispose of the street sweeping debris in

a landfill. Previously, the division used material in backfill or compost.

The DPW has three street sweepers that are regenerative air/vacuum sweepers. During the spring and fall months, when debris and leaves fill the gutters, all three sweepers are deployed as heavy debris requires more time to collect. During the remainder of the summer months, two sweepers operate every day keeping the streets clean of debris.

**The Departments street sweepers traveled 5,783 curb miles collecting 766 tons of debris from the streets.**

**That is more miles than driving cross country from New York to Los Angeles twice.**

**Street Sweeping**





**COLLECTIONS**

**LEAF COLLECTIONS**

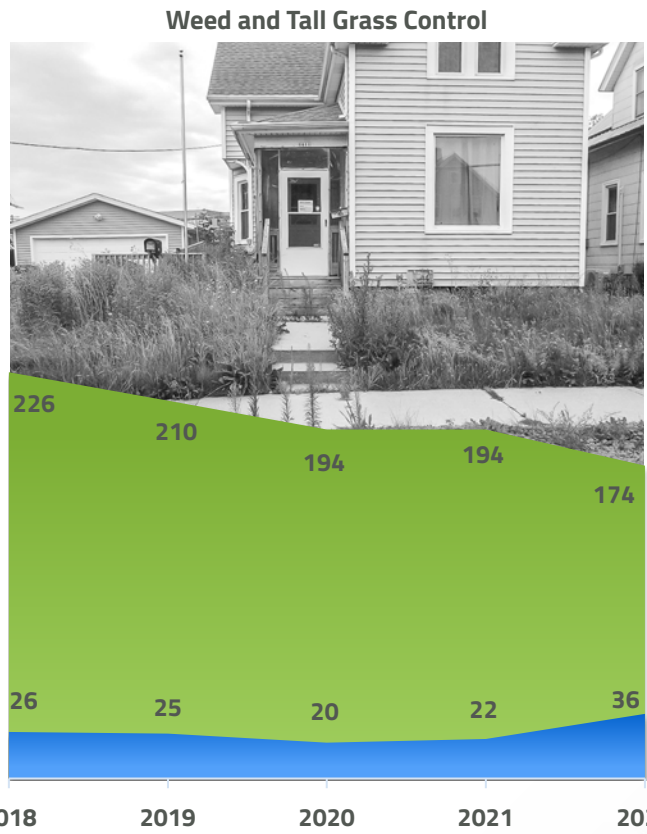
The Street Division manages the fall leaf collection program. Between October and November, the City allows residents to rake leaves into the street's parking lane to facilitate efficient collection of leaves every fall. Since the division is already performing street sweeping, it is most useful to allow the residents to rake additional leaves from their property into this designated area. The 2022 leaf season generated 1,291 Tons of leaves that were collected off the city streets.



2018 2019 2020 2021 2022

**NUISANCE WEED / TALL GRASS COMPLAINTS**

The Streets and Sanitation Division is responsible for the response and control of noxious weeds and tall grass complaints. The division takes calls on a complaint basis and will respond to verify if there is a violation of City Ordinances. A notice is issued to the property owner when a violation is discovered and provides 48 hours' notice to cut the weeds or grass.



2018 2019 2020 2021 2022

■ Nuisance notices issues (weeds notice)  
■ Number of lots cut by city contractor

A follow-up inspection is then necessary to see if the problem has been rectified. If not, the supervisor will notify the City's contractor to cut the weeds or grass. As one can imagine, this process is time-consuming. However, it is a necessary program that helps maintain the high quality of life within our community. The Department received 174 tall grass complaints in 2022.



**GARBAGE & RECYCLING**

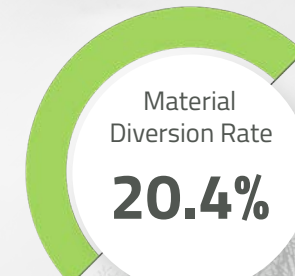
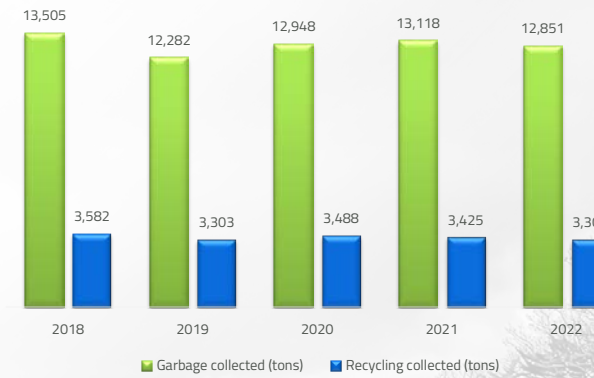
The Sanitation Division provides curbside pick-up of garbage and recyclables for residential units of four or less. Every week the sanitation operators make approximately **18,000 stops or pick-ups**. In 2022, the DPW collected 12,851.27 tons of garbage and 3,301.68 tons of recyclables.

The Residential Recycling Center is a drop-off site that provides residents with a place to dispose scrap metal, yard waste, waste oil, and

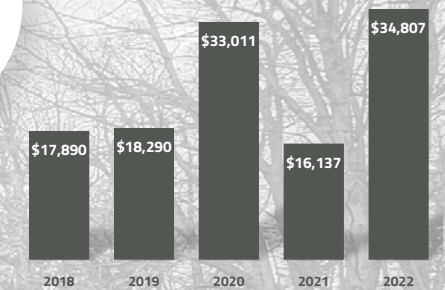
many other items not picked-up with curbside collection or banned from landfills.

Currently, there is no charge for this service. The increase in scrap metal collected is due to the market prices falling; as a result, citizens are not cashing in their scrap metals and conveniently using the drop-off site. The trend in yard waste has steadily grown due to the increased awareness of the Residential Recycling Center's accessibility.

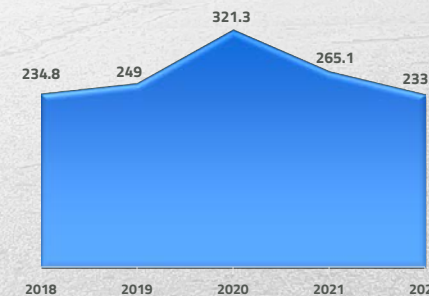
**Refuse/Recycling Curbside Collection**



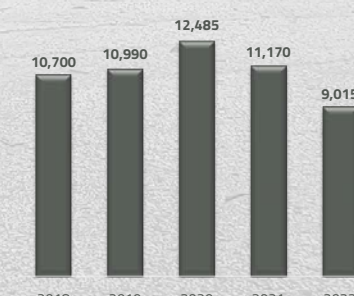
**Annual Cost to Grind Branches**



**Scrap Metal Collected (Tons)**



**Used Motor Oil Collected (Gallons)**



**Used Tires Collected**





# Facilities & Traffic

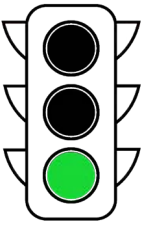
The Facilities and Traffic Division, which consists of 12 full-time employees and one part-time employee, is responsible for maintaining the City's building infrastructure system, traffic signals, street and path lighting, signs and street markings, boat docks, and the Emergency Alert System.



A valuable lesson that a traffic signal teaches us —

Every problem is like a **red** light.

If you wait sometime it will turn **green**.



## FACILITIES

The division's maintenance staff is responsible for the overall preventative maintenance and repair of the heating and ventilating systems, plumbing systems, electrical equipment, and providing custodial services for City Hall, Municipal Service Building, and Uptown Social (formerly known as the Senior Activity Center). DPW maintenance staff are instrumental in reducing City costs by performing preventative maintenance services along with other repairs for all city departments: City Hall, Municipal Service Building, Transit, Harbor Center Marina, Police Department, Uptown Social, and five Fire Stations.

Updates to the Municipal Service Building, constructed in 1966, are ongoing and included completing the new women's bathroom, locker room, and shower area and updating the men's shower room in early 2020.

Part of our 2021 Capital Improvement Project for the Municipal Service Building was delayed due to combining the engineering costs with a closely related 2022 CIP project. The 2021 CIP project, replacing the Municipal Service Building generator, and the 2022 CIP project, updating the Municipal Service Building electrical panels, were engineered together because they complimented each other in terms of the work that had to be performed by an electrical contractor. Furthermore, this saved the City \$10,000 in engineering costs. Engineering was completed in 2021 and an electrical contractor was awarded the project in January 2022. Due to the supply chain issues nationwide, this project is progressing slower than anticipated. We are hoping to have this project completed in 2023.

A few notable projects for our facilities division include converting a total of 130 light fixtures over to LED's at: Fire Station 4 and 5, Harbor Center Marina, 8th Street Bridge, and the Maywood facility. The division also installed a new PA system at the 8th Street Bridge.



LED Light Upgrade at Fire Station #4 & 5





In 2022, HR was relocated from the 1st floor of City Hall to the 2nd floor. The City contracted with Quasius Construction for demo and construction while our electricians and maintenance staff installed the electrical, data cables, and also moved and set-up all of the furnishings.



Department of Public Works played a large role in overseeing the construction and completion of the new facility Uptown Social, now located at 1817 N. 8th Street.

The Facilities Division staff was also instrumental in moving the contents from the former Senior Activity Center to the new facility, along with providing updated LED parking lot lights.

COVID-19 Pandemic: Even though the number of severe cases has decreased in our community; our staff continues to clean and sanitize per CDC recommendations. Proper cleaning and disinfecting are essential to any business environment and provides a positive impression to employees and visitors. The challenges of this pandemic continue to influence the way we conduct our business and manage our facilities.

In 2022 the DPW, along with Chad Pelishek from the Planning and Development Department, purchased a new HP Printer to help streamline larger projects that we are tasked with and produce specialized street name signs.

This division will design and fabricate signs for many departments citywide, including the Mayor’s Office, Fire and Police, Maywood, Parks, Wastewater Treatment Plant, Motor Vehicle Division, and other outside agencies. The employees also work closely with Shoreline Metro in supplying them with custom signage, and installing and replacing parking meters.

The signs and paint crew maintain crosswalks at 405 different locations throughout the city and 195 traffic arrows at 72 different locations. The centerline painting is contracted with the Sheboygan County Highway Department, which has the specialized equipment for this procedure. With the help of city employees, this process takes approximately two weeks to complete.

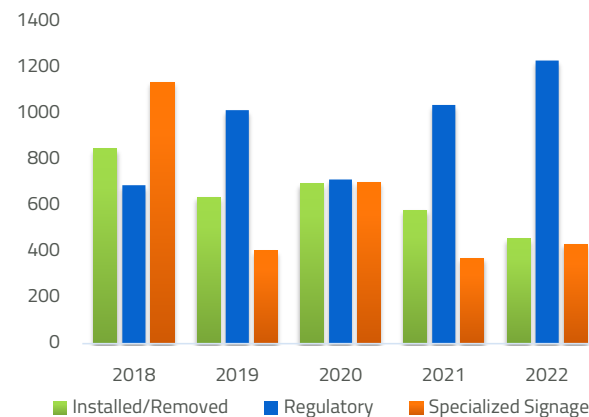


**TRAFFIC**

The Traffic Division is responsible for the design, maintenance, and repair of all city-owned traffic control systems, signs, markings, and devices. This division is divided into two separate crews; signs and paint and electrical, both working in conjunction with each other to keep our roadways safe to travel. The division is also responsible for installing, removing, and maintaining all festive decorations throughout the City of Sheboygan.

The City of Sheboygan has approximately 30,000 signs, ranging from stop signs to street name signs, speed limit signs, no parking signs, and custom way finding signs. City of Sheboygan signs are designed, fabricated, and installed in-house using a computerized plotter and multi-color heat transfer printing system, which can create custom indoor/outdoor signage.

**Signs**



The signs and paint crew consists of four full time employees who are responsible for all City street signs and painted traffic markings; such as centerlines, stop bars, crosswalks, turn arrows, bike lanes, and painted endcaps.



In 2022, the employees line striped a total of **85.5** miles of white and yellow paint, which equates to **1,690** gallons throughout the process. To get the reflectivity of the centerlines **11,830** pounds of glass beads were added in the painting procedure. Adding to those paint totals, the division used **880** gallons of paint to enhance the pedestrian crosswalks, stop bars, traffic arrows, bike lanes, shared lanes, and parking lots.

**Notable painting projects for 2022 include:**

- The division worked closely with the Sheboygan Active Transportation Committee and Mayor Ryan Sorenson to create a path for non-motorized transportation by painting sharrows on 8th Street from Michigan Avenue to Pennsylvania Avenue.
- Painting parking stalls throughout downtown, Blue Harbor, Uptown Social parking lot, and the parking lot where the old Social Security Building was located.
- Painting the interior of Roosevelt Park Shelter.
- This department was also responsible for the updated “Sister Cities” signs throughout the City, which now include Tsubame, Japan.





- The traffic division assisted the Lakeshore Natural Resource Partnership (LNRP) of Sheboygan County in designing 13 signs along the Sheboygan River Water Trail detailing locations for kayak launches. This project had a total material cost of \$375 County-wide, of which \$150 was donated by the City for materials of locations within the City limits.

The electrical crew consists of two full time Journeyman Electricians. The electricians are responsible for the design, installation, maintenance, and repair of all city-owned electrical systems including city owned buildings. Installing and terminating data cables are also included in their responsibilities.

These employees install, repair, and maintain 42 signalized intersections, seven red flashing signals, and two yellow flashing signals. In addition to the traffic signals, the city owns and maintains over 2,700 streetlights, 505 pathway lights, parking lot lights, and 1,380 lights in our park system. The division is also responsible for the design and layout of newly installed lighting throughout the city.

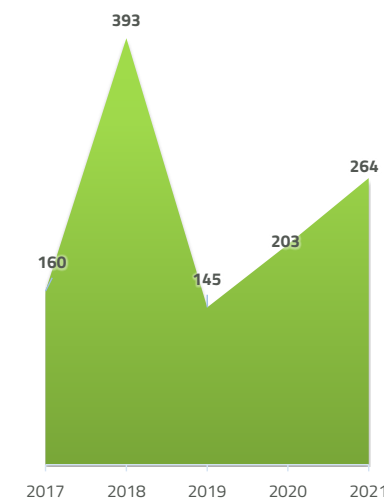
Annually, the employees test all the traffic controllers, which contains the program for that individual intersection, and conflict monitors, which monitor for any faults in the system, to ensure they are operating correctly.

Electricians respond to knockdown situations both day and night.

The severity and complexity of each incident varies from one to another. Damage from these incidents to city owned property ranges from \$1,000 to over \$90,000 per incident. Almost 100% of the repairs are completed by the division.

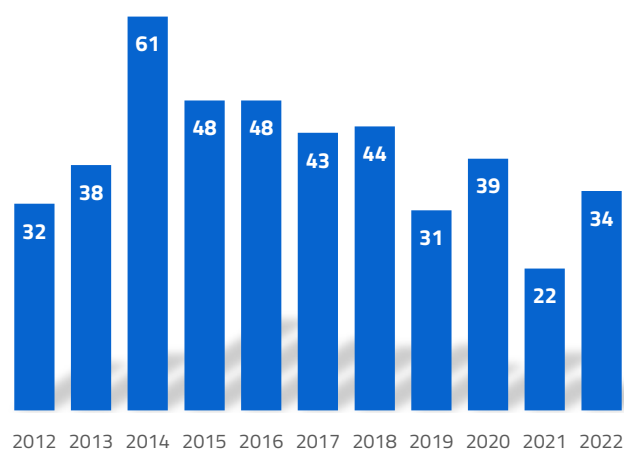


LED Street Lighting Conversion



The division also retro-fit 54 Phillips-Gardco street light fixtures to energy efficient LED's which results in an annual energy savings of \$3,995.00. In addition to the street light conversion, the division also converted 24 parking-lot light poles to LED's creating an additional savings of \$1,314.00 annually.

Traffic Signal & Street Light Knockdowns



## Uptown Social Sheboygan's Hub for Active Seniors

2022 kicked off with a substantial renovation project for new home of the City of Sheboygan's hub for active seniors, Uptown Social.

The property, formerly known as the old Save-a-Lot grocery store, located at 1817 N. 8th Street was purchased in early 2021. Design and engineering followed throughout most of the year and bidding on the project took place in the fall of 2021. J. H. Hassinger Construction Services was awarded the contract in November 2021 with construction to follow in 2022. The Department of Public Works was instrumental in the project management portion of the reconstruction. Staff worked regularly with architects, contractor and their sub-contractors. Any issues that arose

were handled aggressively to avoid any time-consuming delays.

The ribbon cutting ceremony for Uptown Social took place on November 15, 2022. Over 800 people visited the new facility throughout the day, celebrating with food, drink and tours.





# Motor Vehicle

The Motor Vehicle Division is responsible for maintaining the Department's fleet of equipment.

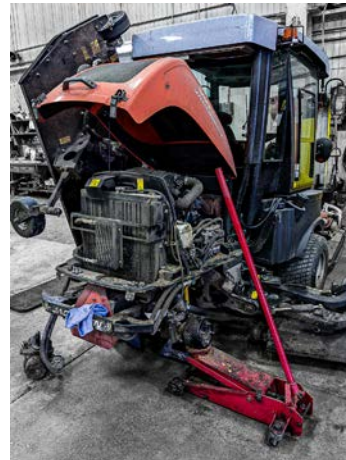
This division is unique, as it operates as a self-supporting, or enterprise, fund within the city budget. The Motor Vehicle fund is used to account for the central automotive equipment operations, which includes the purchasing, dispatching, repair, and maintenance of vehicles and motorized equipment used by the department.

The Motor Vehicle Division is primarily responsible for repairs and preventative maintenance on vehicles and equipment

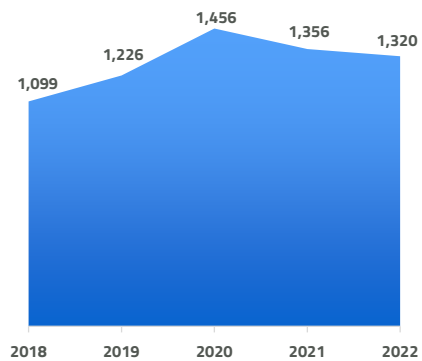
operated by the Department of Public Works and Fire Department.

Preventative maintenance for the fleet of more than 100 over road vehicles and an additional 200 off road pieces

of equipment takes up the majority of the employee's time. This covers all the vehicles that the Department of Public Works uses, including the garbage trucks, plow and construction trucks, bucket trucks, mowers, etc. Work orders are consistently escalating due to the increasing age of the fleet. This has resulted in the Department of Public Works entering into a lease and maintenance agreement with Enterprise Fleet Management for all light duty trucks, one ton and under. This agreement has reduced the amount of preventative maintenance workload and enabled us to better maintain our larger equipment. The sale of our City owned fleet and the order process for the 2023 leased units has been a success.



Work Orders Processed



Annually, two employees are sent to Fire Apparatus Training, however the past two years, the COVID-19 Pandemic has impacted the divisions ability to send employees. The training is crucial because all Motor Vehicle employees need the training courses to service the highly specialized vehicles used by the Fire Department. The classes have resumed for 2023 and technicians will be attending.

Starting in 2018, the Motor Vehicle Division adopted the 5S Methodology to create a clean, organized, efficient, and safe work environment. The program has been a success and in 2021 and 2022 it was implemented in the stockroom or Central Stores Inventory. The division's inventory was reorganized, cleaned, and eliminated of overstock and unsellable items. This will make the implementation of the new EAM software scheduled for 2023 much more efficient, resulting in a quality finished product.



Age of Fleet  
**9.3 Years**





# Wastewater Treatment

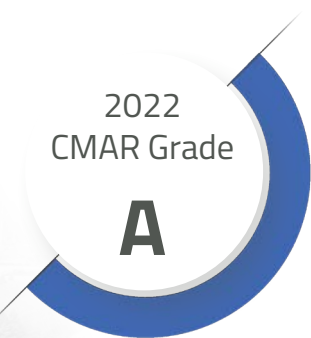
The Wastewater Treatment Division’s mission is to protect public health and the environment by providing reliable and cost effective wastewater collection and treatment services. The Wastewater Treatment Plant (WWTP) is owned and operated by the City of Sheboygan. It provides wastewater treatment for the City of Sheboygan, City of Sheboygan Falls, Village of Kohler, Town of Sheboygan, and Town of Wilson.

Goals for the Wastewater Treatment Division include:

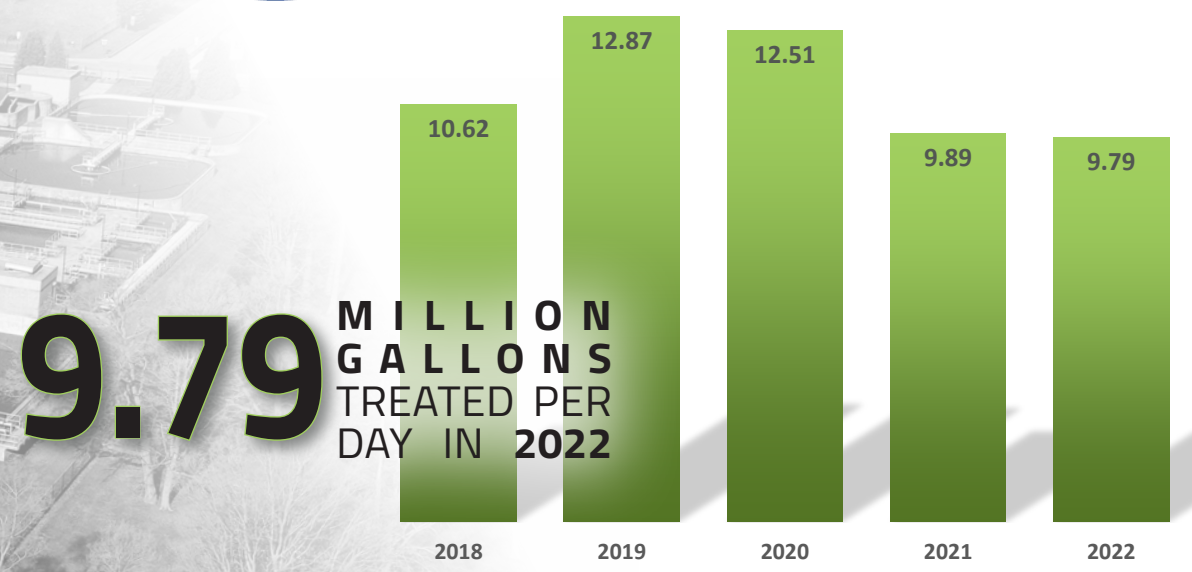
- Meet all compliance and reporting obligations for wastewater, air emissions, and bio-solids reuse.
- Maintain the infrastructure of the wastewater system in a sustainable and fiscally responsible manner.
- Empower the employees to develop and implement practices which will optimize the process and continuously improve equipment reliability.
- Update and implement the long term facility plan, through effective planning and project execution.
- Work with industrial customers to effectively meet all compliance obligations in a cost effective manner.
- Use new technologies to improve the process and reduce operating costs.

The WWTP is a conventional activated sludge wastewater treatment facility which utilizes enhanced biological nutrient removal to reduce total phosphorous and total nitrogen levels in the final effluent. The plant process includes primary treatment, secondary treatment (activated sludge) followed by effluent disinfection and de-chlorination prior to discharging to Lake Michigan. Sludge generated

by the facility is stabilized using anaerobic digestion, after which the material is dried to less than 10 percent moisture at a temperature above 180° F to produce a Class A bio-solids material. This material is then sold to a customer who uses it to enhance the nutrient and organic value of topsoil. Gases produced from the digestion of sludge are used for process heat to dry the bio-solids and heat the facility’s buildings.



Average Flow Million Gallons/Day



**9.79** MILLION GALLONS TREATED PER DAY IN 2022



There were many significant accomplishments in 2022. The following is a list of the most important items completed during the year. Almost all projects were completed by in-house staff.

- Installed a flow meter to capture key data for a future project to optimize final effluent pumps
- Received positive feedback on two key inspections—a DNR basin engineer inspecting the facility for permit compliance, and a safety inspector from CVMIC
- Completed critical repairs to three of six influent pumps, including one complete rebuild
- Cleaned and inspected one of two Harvestores (sludge storage silos)
- Met new e. coli permit limits with minimal impacts to operations and the budget
- Filled several vacancies, including Wastewater Superintendent, Operator and Maintenance Mechanic



**Rebuild of East Influent Screen**

**Completion:** May 2022

**Project Description:** Disassemble screen, including panels and the old chain. Clean the panels and install a new chain. The project cost totaled \$60,375; 25% less than the budget of \$80,000.



**Influent Building HVAC Replacement**

**Completion:** May 2022

**Project Description:** Installed new HVAC units to improve air circulation to two critical areas—the grit room and wet well. The new equipment alleviates odors and provides the air exchanges needed to keep these spaces safe to work in.



**Primary Clarifier #3 & Final Clarifier #1 Drives**

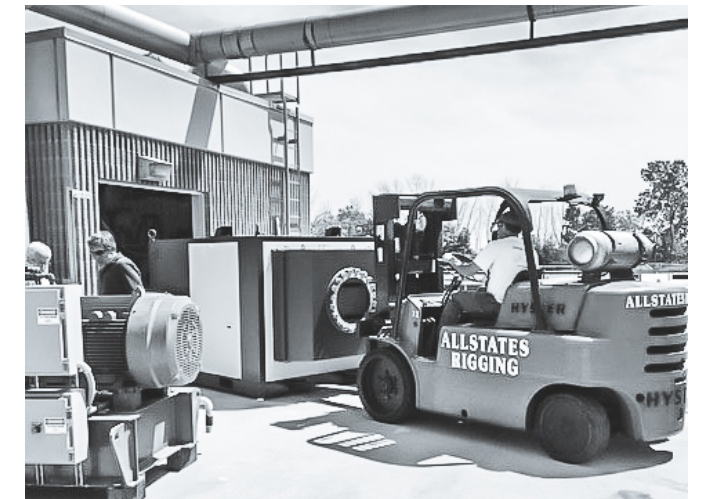
**Completion:** May 2022

**Project Description:** Replaced critical equipment and sealed expansion joints in two of eight clarifier structures. The clarifiers have sweeper arms that push solids accumulating on the tank bottom to a drain, and grease that floats on the surface to a separate drain. The drives that operate these sweeper arms 24/7/365 were decades old, and were replaced with rebuilt units. Expansion joints were sealed while the basins were empty, and corroded areas of steel members were ground down and repainted. The final cost was \$188,546, of \$210,000 budgeted.

**Blower #4**

**Completion:** October 2022

**Project Description:** Installed an additional aeration blower to provide more flexible and energy-efficient options in injecting oxygen into our aeration basins. The two existing Turblex units have been in service for decades, and do not have the adjustable energy settings of the new unit. The new blower was installed by Lone Star, but other contracts were entered for pipe fabrication and installation, expansion joints, building modifications, and insulating the discharge pipe to attenuate the noise it produced.



**WWTP Pavement Improvements**

**Completion:** September 2022

**Project Description:** Worked with DPW to improve all WWTP pavement, including crack sealing asphalt parking lots, overlaying asphalt driveways, and replacing a concrete septage hauler off-loading area. While \$85,000 was budgeted for this project, only \$11,000 was spent (materials only).





**Screen/Scum Rejects System Upgrade**

**Completion:** January 2023  
**Project Description:** Installed a second Muffin Monster grinder, removing solids such as food waste, grease and rags from the waste stream. Poured a concrete pad for the new unit adjacent to the current one, fabricated and installed new chutes entering and leaving the unit, installed a new water line and drain, wired power and control lines to the new unit. The new unit cost \$114,000 (with an overall budget of \$155,000), but actual expenses totaled \$127,471.



**Aeration Basin Supports, Expansion Joints, Cleaning**

**Completion:** Anticipated in 2023  
**Project Description:** Emptied three of six aeration basins for cleaning and inspection, preparing for a major capital project in 2023. The basin floors have significant build-up of grit and rags, some of which could be hosed down the drain but others had to be vacuumed by DPW's pumping truck. Much more cleaning remains, and the diffusers which carry oxygen to the microorganisms will be inspected and replaced as needed. Aluminum beams which support a large pipe have corroded, and will be replaced with stainless steel. Expansion joints in the 25' tall concrete structure will be resealed. \$865,000 has been budgeted for this project.



**Upcoming Projects for 2023...**

**Primary Clarifier #1 & Final Clarifier #3 Drive Replacement**

**Anticipated Completion:** August 2023  
**Project Description:** Primary Clarifier #1 and Final Clarifier #3 will be taken off line to be cleaned and inspected, removing and replacing the rake arm drive in the center of the structure. The rake arms and stilling wells will be repaired and their coating touched up, and the construction joints for the concrete tanks will be resealed. A scum box will be added to Primary Clarifier #1 to capture floating debris.

**Aeration Basin Cleaning, Diffuser Repairs & Beam Replacement**

**Anticipated completion:** October 2023  
**Project Description:** It has been many years since the six aeration basins (two of which have been modified into anoxic and anaerobic zones) have been emptied and cleaned. Piles of grit have accumulated on the structure bottom, and rags have been caught on the diffuser system affixed to the basin floor. This waste needs to be removed, and a schedule should be established to minimize such build-up in the future. Hundreds of diffusers are used to inject air into the wastewater, and this system is being analyzed by Redmon Engineering to optimize operations. The anoxic basins include aluminum structural beams that are severely corroded and will be replaced with stainless steel.

**Digester Gas Heat Exchanger Replacement**

**Anticipated Completion:** December 2023  
**Project Description:** This equipment is used to recirculate heated air to digesters, essential for the breaking down of bio-solids.

**Substation Inspection & Preventative Maintenance**

**Anticipated Completion:** June 2023  
**Project Description:** A contractor will inspect and test the breakers and switchgear on half of our major electrical equipment; work which we intend to complete on a five-year rotation.

**FE Pump Replacement**

**Anticipated Completion:** June 2023  
**Project Description:** Based on the data gathered from a new flow meter, the pumps used to disperse final effluent water throughout the plant will be modified or replaced. These are oversized and can be operated more efficiently. Using FE water (the water to be discharged into Lake Michigan) instead of potable water costs much less while still meeting quality requirements for these needs.

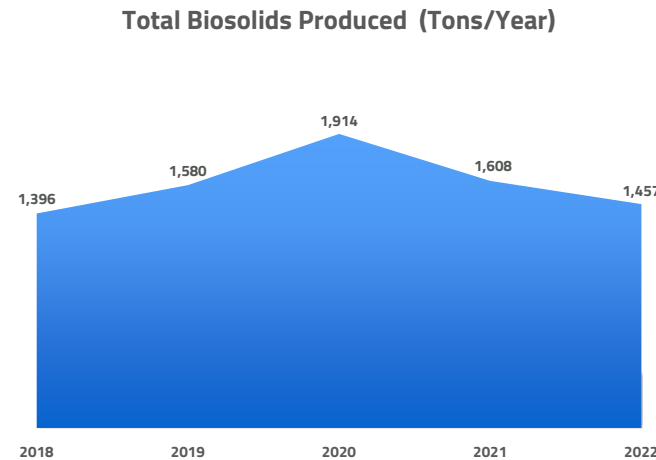
**6th & Pershing Lift Station Improvements**

**Anticipated Completion:** October 2023  
**Project Description:** This small station—which accepts wastewater from the northeast corner of the City, then “lifts” it to flow by gravity toward the Plant—needs new pumps, controls, and to be protected by a fresh paint job.



### ANNUAL BIO-SOLIDS PRODUCTION

Overall, the dryer and belt thickeners ran well in 2022. Twice the high-level float failed in the well to which screw press filtrate is discharged, so a sensor was added to allow operators to respond more quickly if that happens in the future. Anticipated annual dryer maintenance—planned for January 2023—includes replacing the screw press wipers, oil changes, changing out the upper dryer belt, inspecting the condition of the dryer roller, and installing a new stator on the Wangen pump. One of our two sludge storage silos was emptied and inspected in late 2022, and some repairs are anticipated over the winter while it is empty. We plan to empty and inspect the north silo in 2023.



### INDUSTRIAL PRE-TREATMENT PROGRAM

Each of the 15 permitted Significant Industrial Users (SIU) complete semi-annual wastewater sampling and laboratory analysis for a specific list of parameters set by the Environmental Protection Agency (EPA) and the WWTP. Each Industry must meet its individual permit limits, which are regulated through the facility's pre-treatment program per WDNR and EPA regulations. In 2022, one industry received a letter of Notice of Non-Compliance (NON). No industries were determined to be in Significant Non-Compliance (SNC), and no industries required a re-issued permit. Each permitted industry received an Annual Site Inspection (ASI) during 2022.



### LABORATORY

The on-site laboratory is responsible for the analysis of all conventional pollutants including Total Suspended Solids (TSS), Carbonaceous Biochemical Oxygen Demand (CBOD5), Total Phosphorous, Ammonia, Total Chlorine, pH, and Temperature. There is one primary analyst and one operator who is trained to perform the analysis when the primary analyst is off (with a second operator receiving this training, as well). Of the conventional pollutants analyzed, only a small number of samples were completed by a contract laboratory. A laboratory audit held in early 2022 went very well. Lab staff responded promptly when our mass spectrometer failed in the spring, using an older unit until a replacement could be delivered.

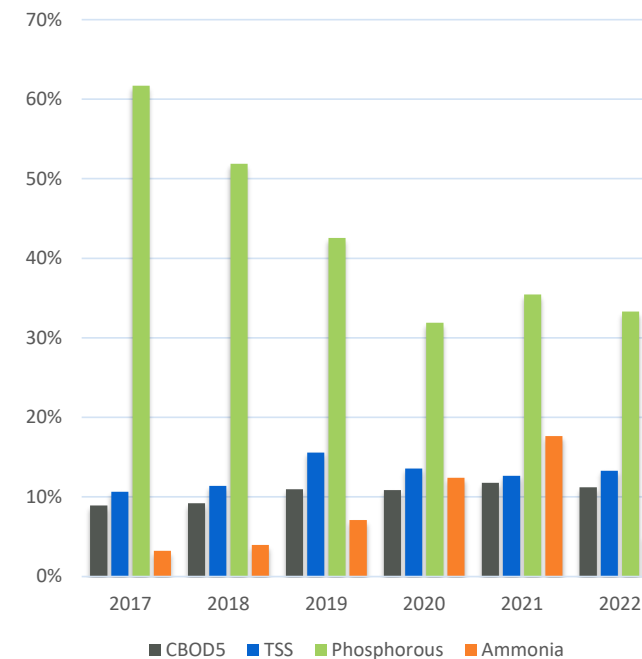
This was our first year with e. coli limits officially regulated by permit. E. coli was tracked from April through October, and we met the limits consistently, albeit with a higher chemical cost

for disinfection. We plan to continue to fine-tune our sampling and processes to meet this requirement in the most efficient, cost-effective manner possible.

As a part of our WDNR permit the WWTP has to abide by certain permitted levels in the final effluent. In 2022, the facility was significantly under these permitted levels, only using the following percentages of what is allowed:

- **11.2% of Carbonaceous Biochemical Oxygen**
- **13.3% of Total Suspended Solids**
- **33.3% of Total Phosphorous**
- **5.2% of Ammonia**

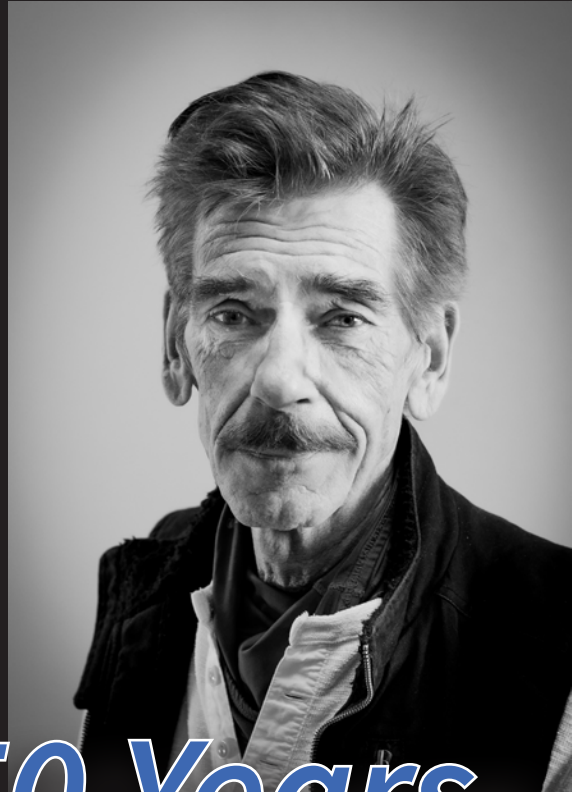
### Percent of Permit





# Recognizing a Legacy

## Vic Gatawakas



Vic Gatawakas a Senior Engineering Technician for the City of Sheboygan Engineering Department retired in January of 2023 after 50 years of service to the City. Vic started working for the City Engineering Department in 1972. Vic was instrumental in the construction of many significant construction projects throughout the City during his tenure. The Plaza 8 Project was envisioned for pedestrian traffic only in 1974. Vic was involved in the construction Plaza 8 in downtown Sheboygan in 1975. This project closed North 8th Street in downtown Sheboygan to all vehicular traffic. After 14 years the Plaza 8 Project (North 8th Street) was retrofitted back to allow pedestrian and vehicular traffic. Vic was again involved in the closing of North 8th Street for the reopening of North 8th Street to vehicular traffic.

Vic was involved in the design and construction of two Industrial Parks located on the South Side of Sheboygan. Today these two Industrial Parks are home of several of the biggest Industrial Businesses in Sheboygan County. The Conoco site located along the South Business Drive corridor was an abandoned oil refinery site. Vic was involved in the removal of the refinery buildings on this site, the remediation of the contaminated soils on this site, the construction of all new underground utilities and the construction of the road system throughout this site. Today this several hundred acre site is a thriving commercial district located on the southside of Sheboygan.

In 1992 it was decided by the Sheboygan Common Council to construct what is known today as Harbor Centre Marina. The Harbor Centre was constructed along the undeveloped Lake Michigan Northshore line in the City of Sheboygan. This project took over two years to construct from start to finish. The project is now home to a City owned Harbor Centre Marina, the Sheboygan Sailing Center and the Deland Community Center.

Vic was the Construction Supervisor Representative for the City of Sheboygan for the construction of this entire development. Vic's only goal while employed at the City of Sheboygan Department of Public Works – Engineering Division was to make the City of Sheboygan a better community in the present and for the future.

# 50 Years of Service



“I want to recognize Mr. Victor Gatawakas (Vic), Senior Engineering Technician with the DPW Engineering Division. Vic retired this year after 50 years of service with the City! This is an amazing accomplishment and needs to not only be recognized but celebrated. Vic has shared his wisdom and historical knowledge on every project in the City as he has personally been involved with building of our community, which is far reaching. He is a great person and will be deeply missed not only for his insight but his friendship as well.”

**David H. Biebel**  
Director of Public Works



# Remembering our Retirees

Celebrate your **accomplishments**,  
enjoy your newfound **freedom**,  
and always remember what a  
**positive difference** you've made.

"I want to personally thank this year's retirees for their dedicated service to the Department of Public Works and the City of Sheboygan. You all had a positive impact on our community and in achieving our mission to "improve the quality of life." Your contributions will be enjoyed by many future residents and visitors. Enjoy your well earned retirement, and remember: Retirement is not the end of the road, it is the beginning of the open highway."

**David H. Biebel**  
Director of Public Works



*20 Years*  
**Bruce Matzdorf**

"We wish Bruce Matzdorf well on his retirement. We value and appreciate his contributions, which helped shape the department during his time here. While he will be missed, we hope he enjoys this new chapter in his life."

**Brandon Munnik**  
Supervisor of Streets  
and Sanitation



*26 Years*  
**Ken Meinnert**

"During Kenneth's 26 plus years of working for the City of Sheboygan's DPW, he operated in almost every capacity and was familiar with the use of all equipment. Kenneth finished his career working as Maintenance Worker IV Leadperson for the Forestry Division. Kenneth's co-workers greatly appreciated his efforts and care that he showed for all. Kenneth will be greatly missed."

**Joe Kerlin**  
Superintendent of  
Parks and Forestry



*4 Years*  
**Steve Jossart**

"Steve Jossart served as Sheboygan's Wastewater Superintendent and built on decades of experience in wastewater processes and equipment to complete many big capital projects at the Plant, and to set a course for excellence into the future. He was well known for "doing more with less," and leaving no stone unturned in daily efforts to make the Plant operate as well as it could."

**Jordan Skiff**  
Superintendent of  
Wastewater Treatment



*36 Years*  
**Steve Meifert**

"Steve Meifert filled many roles in the DPW and at the Wastewater Treatment Plant from August 1986, until his retirement in October 2022, with his latest duties including programming and automating Plant equipment and supervising our electrician. Steve brought to the job a unique blend of an inquisitive mind, deep experience, and a strong determination to see any project through to completion."

**Jordan Skiff**  
Superintendent of  
Wastewater Treatment





# CITY OF SHEBOYGAN PUBLIC WORKS

