

2023
Canton Township Public Works
Annual Report



Approved: March 19th, 2024

Prepared by: Public Works Director Christopher Neisel

Canton Township Public Works 2023 Annual Report

Looking back over the past year, 2023 had a lot going on. Our Public Works team accomplished a lot around the Township for our residents and businesses. We are still making great strides in moving Canton Township forward and making it a great place to live. I am always looking for ways to improve our day-to-day functions and make our team more efficient. I strive for our team to be the best in everything that we do and I would put us up against any other entity in the county.

The residents and businesses of Canton Township have a great group of people who are dedicated in serving them and providing the best service we can. That all comes with a price and the price of doing business has increased as we all are aware of in our day-to-day lives. We continue to provide our services while being conscious about our budget and making the best decisions I can to keep us moving forward.

I have a great support staff here to rely on and would like to thank the Office staff, Fiscal Office, Public Works employees, and the Board of Trustees for everything that each and every one of them does, with me and for me, to keep us moving in the right direction.

I wish everyone a safe and healthy 2024 as we continue to move forward.

Christopher Neisel

Canton Township Public Works Director



Public works is the combination of physical assets, management practices, policies, and personnel necessary for government to provide and sustain structures and services essential to the welfare and acceptable quality of life for its citizens.

Vision Statement

The Canton Township Public Works Department will be a leader in the delivery of public services; known for our responsiveness, reliability, good stewardship of fiscal and human resources, and caring attention given to every single person we encounter.

Mission Statement

To provide the highest quality services to the public and other Township departments, balanced through efforts to maintain a cost-effective operation and to provide these services in a responsible and efficient manner.

Our Values

These principles, informed decision making, guide our behavior in working with each other, our businesses, and our residents.

Integrity: We are accountable and transparent with public funds and hold ourselves to the highest ethical standards.

Safety: We share ownership and responsibility for ensuring safety in all that we do.

Equity: We embrace diversity and foster a culture of inclusion.

Excellence: We use our skills and expertise to continuously strive to be more efficient, effective, and innovative.

Unity: We work together as ONE to provide better service and solutions.

Public Works Department Duties

1. Maintenance of 186 lane miles of Township owned roads.
 - Patching, sweeping, crack sealing, snow and ice control, markings
2. Routine inspection of 186 lane miles of Township owned roads.
 - Visual inspection of road condition for safety concerns
3. Annual Resurfacing Project.
 - Engineering, bidding, and overseeing project
4. Annual Stripping Project, if not included in the resurfacing project
 - Engineering, bids, and overseeing project
5. Annual Crack Sealing Project
 - Engineering, bids, and overseeing project
6. Keeping the roads clear of debris.
 - Trash, roadkill, trees, and any other type of debris
7. Mowing of road right-of-way in rural areas of the Township.
 - 2-3 times per season
8. Maintenance and replacement of road/street signs.
 - Approximately 2,000 signs throughout the Township
 - Conform to the Manual on Uniform Traffic Control Devices (MUTCD)
 - Continually upgrade to meet the retro reflectivity guidelines
 - Routine inspections
9. Maintenance and upkeep of 3 public works buildings, 1 salt storage structure, Township administration building, several park structures, playground equipment, 3 cemeteries, and assist with Community Center issues
 - General maintenance and repairs, and oversee outside contractors
10. Mowing of 42 acres of Township owned property.
 - Township owned buildings, and 2 parks
 - Hillcrest Cemetery

Public Works Duties Continued

11. Weekly park inspections

- Playground equipment, structures, picnic tables, benches, disc golf course, fences, dugouts, signage, and trees

12. Routine park cleaning and trash removal

- Trash removal and sanitation of pavilions, tables, benches, and grills before and after rentals
- Playground equipment sanitation

13. Park rentals

- Scheduling and payments (office staff)
- Posting rentals at parks

14. Maintenance and upkeep of the Township storm water system.

- Culvert installation, culvert replacement, inspections, flushing
- Catch basin installation, repairs, cleaning
- Ditch cleaning
- Outfall inspections (approx. 354 outfalls)
- Illicit discharge investigations

15. Annual Ohio Environmental Protection Agency Report (Ohio EPA)

- National Pollutant Discharge Elimination System (NPDES) permit
- Municipal separate storm sewer system (MS4) report

16. Zoning abatements, under the direction of the Zoning Director

- Mowing high grass nuisance properties
- Board up unsecured structures
- Removal of trash and debris from nuisance properties

17. Manage and maintain flags and banners along Cleveland Ave

- Routine inspection, replacement

18. Maintain the Township Yard waste site.

- Daily debris loading when site is open
- Trash removal from illegal dumping when needed

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Public Works Duties Continued

19. Maintenance and upkeep of all Public Works fleet vehicles and equipment and also Zoning Department Vehicle

- 17 trucks (dump, pickup, street sweeper, bucket truck)
- 8 trailers (utility, light tower, hot box, speed sign)
- 9 tractors (loader, backhoe, excavator, boom mower, flail mower, park mowers)
- 3 misc. (chipper, roller, forklift)
- Numerous small engines (chainsaws, weed trimmers, paint stripper, pumps, compactor, road saw, demo saws, leaf blowers)
- Annual vehicle inspections
- 13 snow plows
- 10 salt spreaders

20. Manage and maintain the Township fuel system.

- Monthly reports
- Maintenance

21. Manage and maintain Faircrest School zone lights.

- Yearly programing
- Maintenance

22. Maintenance of 1.9 miles of road for the Village of Meyers Lake.

- Patching, sweeping, snow and ice control

23. Maintenance and replacement of road/street signs for the Village of Meyers Lake.

- Approximately 60 signs on streets we maintain
- Conform to the Manual on Uniform Traffic Control Devices (MUTCD)
- Continually upgrade to meet the retro reflectivity guidelines
- Routine inspections

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Personnel

Canton Township has a unified team that works very well together to accomplish our mission.

Full Time Staff

Christopher Neisel- Public Works Director

Christopher Scarpino- Assistant Public Works Director

Doug Weaver- Road Foreman

Laura Datkuliak- Administrative Assistant/Assistant Zoning Director

Full Time Public Works

Anthony Ruess- Laborer

Cody Jones- Laborer

Steven Hunt- Laborer

Kevin Thompson- Laborer

Randy Gill- Mechanic

Part Time Seasonal

Fredrick Harper- Mower

Gary Weaver- Laborer

Part Time Public Works

Steve Wittensoldner- Laborer/Mechanic- Retired in 2023

Larry Baker- Laborer

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Public Works Vehicles and Equipment

Heavy Duty Trucks

2004 International Dump Truck w/Plow and Spreader
2006 International Dump Truck w/Plow and Spreader
2007 International Dump Truck w/Plow and Spreader
2010 International Dump Truck w/Plow and Spreader
2017 Freightliner Dump Truck w/ Plow and Spreader
2019 International Dump Truck w/ Plow and Spreader
2021 Freightliner Dump Truck w/ Plow and Spreader
2010 International Bucket Truck
2004 Sterling Swartz Street Sweeper

Medium Duty Trucks

1993 International Service Truck
1996 Ford F-350 Dump Truck (sold in November 2023)
2003 Ford F-350 Dually (sold in November 2023)
2001 Ford F-250 w/Plow and Spreader
2017 Ford F-550 w/Plow and Spreader
2017 Ford F-550 w/Plow and Spreader
2019 Ford F-450 Super duty w/Plow (purchased in November 2023)
2021 Ford F-350 Service Body w/Plow
2022 Ford F-350 Pickup w/Plow

Equipment

1993 Ford Flail Mower	2009 Ventrac mower (zoning)	Craftco Hot pot
1998 Light Tower	2023 Ferris Zero Turn Mower (parks)	TCM Forklift
1999 New Holland Boom Mower	2015 Wacker Neuson Roller	
2001 Brush Bandit Chipper	2016 Spaulding Hot Box	
2001 New Holland Tractor	2015 Bobcat E-55 Excavator	
2005 Case Backhoe	2020 Ventrac mower (parks)	
2022 Case Wheel Loader		

Trailers

1998 16ft Utility
2002 Equipment
2003 14ft Utility
2005 10ft Catch basin
2012 16ft Landscape
2015 12ft Tilt (roller)
2020 20ft Landscape

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2023 Public Works Vehicles and Equipment Purchased in 2023



- 2019 Ford F-450 Super Duty Pickup w/ a Boss V-plow
- Purchased used from AutoNation for \$55,961.80.
- This replaced a 1996 Ford F-350 Dump Truck and a 2003 Ford F-350 Pickup which were both sold on Govdeals.com

Public Works Vehicles and Equipment sold in 2023 through GovDeals.com

➤ Crack Seal Machine	\$3,450.00
➤ 2003 Crew Cab Pickup	\$3,600.00
➤ Salt Dogg Tailgate Spreader	\$261.00
➤ 1996 Ford F-350 Dump	\$3,200.00
➤ Pneumatic Transfer Pump	\$30.00
➤ Misc. Fabric Road Signs	\$40.00
➤ 2015 Ferris Zero Turn Mower	\$4,050.00
➤ 1995 International 4900 (#4)	\$4,550.00
➤ Misc. Truck Parts	\$102.00
➤ Misc. Warning lights	\$52.00
➤ Misc. Lights and Bulbs	\$22.00
➤ Light Bars and Misc. Parts	\$59.00
➤ Misc. Ford Parts, Old stock	\$129.00

Total sales for 2023 came to \$19,545.00

2023 Recycling - Yard Waste



Stark-Tuscarawas-Wayne Recycling District

Canton Township was awarded a grant in 2023 in the amount of \$40,300.00 for operation of our yard waste site. This grant money is used to handle the expenses of hauling the yard waste to a compost facility. Our site was opened on April 1st 2023 and closed on December 31st 2023. During that period, 310 loaded dumpsters were hauled from our location to Bull Country compost. The monthly breakdown is as follows:

Month	Haul Expense	Tons	Dumpsters
February	\$150.00	5	1
March	\$525.00	15	3
April	\$8,525.00	235	47
May	\$5,075.00	145	29
June	\$7,525.00	215	43
July	\$2,800.00	80	16
August	\$8,925.00	255	51
September	\$5,775.00	165	33
October	\$5,250.00	150	30
November	\$7,700.00	220	44
December	\$1,225.00	35	7
January	\$1,050.00	30	6
Totals	\$54,525.00	1550	310

As shown, the expenses for hauling were much greater than the grant amount in which we were awarded. The Recycling District has agreed to reimburse us for all expenses incurred with the hauling during the 2023 season.

Along with the expense of hauling, which is covered with a grant from the Stark-Tuscarawas-Wayne Recycling District, the Township incurs costs for labor, fuel, equipment, and repairs to equipment for the loading of waste material. These expenses are covered by the Public Works Department and paid for out of the Road Department budget. In 2023, those expenses came in at \$12,172.26.



2023 Recycling – Household

Residential Recycling in Stark, Tuscarawas and Wayne Counties



Take advantage of services, facilities, programs, and events for the recycling and safe disposal of a wide range of household items. Here is how you can reduce waste in our local landfills while helping to protect the community and environment.

The Recycling District coordinates and oversees:

- Recycling drop-offs in Stark, Tuscarawas, and Wayne Counties for residentially generated recyclables only
- Yard waste drop offs at any of our approved sites for residentially generated material only
- Year-round collection of household hazardous waste at the Canton Recycling Center

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2023 Snow/Ice Mitigation

The 2023-24 winter season is hopefully almost behind us. We have kept the streets of Canton Township safe for the traveling public. The crew of eight is on call 24 hours a day 7 days a week throughout the winter season for when snow and ice appear. None of the guys can stray far from home because you never know when they will be needed. Watching the weather forecasts throughout the season is a constant task.



First date out for the 2023/2024 season was on November 9th, 2023. Since then, we have been out a combined total of 20 times between salting and plowing.



- 1,744 tons of salt have been used
- Total cost of salt used for the 2023/2024 season so far has been \$103,846.24
- The Public Works Department personnel have been out a total of 20 times
- 17 events were just to apply salt
- 3 events were to plow and apply salt
- Personnel put in a combined total of 753 hours for snow and ice mitigation so far
- Labor cost of \$25,306.00

2023 Road Resurfacing

In 2023, the Township again bid out our proposed paving project. The project was a bit unique due to a Canton City Water Project in the southern end of the Township. A large area on the Southwest side of Cleveland Ave between Faircrest and Carnwise and the entire Southeast side of Cleveland Ave from Faircrest to 32nd St. had city water installed. The water project was funded by a grant from the EPA and part of that grant included re-paving one half of every street that the new water system followed. For the Township, this meant that we were going to get one half of each street paid for and we only had to cover the other half. What a deal! If it wasn't for the water project grant, there is no way that the budget would allow for the amount of paving that was done.

Included in the 2023 paving was the 2022 paving project which was granted an extension by the Board of Trustees in 2022 due to extremely high prices and labor issues with the contractor.

Northstar Asphalt Inc. had been awarded the 2022 paving project for \$628,488.00 which covered 2.91 miles of streets.

Northstar Asphalt Inc. was again the winning bidder for the 2023 paving project in the amount of \$502,937.63 and covered 6.78 miles of streets. Ahead of proposed paving, the Public Works Department inspected and replaced any questionable culvert pipes, catch basins, and trimmed trees back from the streets.



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2022 Paving Project Streets with Cost

Street	Cost
Deville Ave NW	\$38,850.44
15 th St NW	\$19,192.83
16 th St NW	\$8504.33
Sally Anne Ave NW	\$20,661.00
33 rd St SW	\$87,424.89
Berrywood Ave SW	\$30,492.72
Somerset St SW	\$39,704.17
Somerset Cul-de-sac	\$11,172.22
Sierra Ave SW	\$28,844.17
Ironwood St SW	\$39,882.56
Groveswood Cir SW	\$6,980.83
Groveswood Cul-de-sac	\$10,756.17
Woodington Ave SW	\$33,672.17
Peerless Cir SW	\$11,822.79
Peerless Cul-de-sac	\$14,233.61
Maplewood Ave SW	\$16,536.33
Forestdale Ave SW	\$64,488.00
Ashway Ave. SE	\$23,566.22
Atwood Ave SE	\$17,004.33
Fairknoll Ave SE	\$24,521.33
Bywood St SE	\$80,276.89
Total	\$628,488.00

2023 Paving Project Streets with Cost

(This represents 50% of the cost in which the Township paid, the other 50% was paid for by the Canton Water Department)

Street	Cost	Street	Cost
Shaheen Ave SW	\$8,908.14	32 nd St SW	\$32,942.63
George St SW	\$16,148.43	32 nd St SE	\$8,118.68
Dave Ave SW	\$7,049.27	Hollybrook SE	\$44,083.76
Maplewood Ave SW	\$27,658.57	Ironwood St SE	\$11,573.48
37 th St SW	\$7,571.58	33 rd St SE	\$12,657.47
Malhaven St SW	\$19,759.29	34 th St SE	\$14,033.80
Ira Circle SW	\$5,755.47	35 th St SE	\$17,860.65
37 th St SW	\$33,799.48	Carnwise St SE	\$19,887.97
Diane Ave SW	\$26,775.18	Figueroa St SE	\$14,884.22
Forestdale Ave SW	\$12,081.80	39 th St SE	\$10,432.83
38 th St SW	\$17,673.92	40 th St SE	\$8,843.21
39 th St SW	\$59,982.66		
Springvale Ave SW	\$2,682.52	Total	\$502,937.63
40 th St SW	\$23,284.12		
Highview Ave SW	\$38,428.59		

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2023 Road Repairs

Along with the 2023 Asphalt resurfacing project there were many areas where large area patching was performed. Those areas are listed below with the cost associated with each.

Street	Cost
Fohl St SW	\$27,515.00
Bruening Ave SW	\$75,000.00
Leander St NE	\$13,250.00
Pekin SE	\$6,079.00
Total	\$121,844.00

Large area patching is done every year on different streets in problem areas to help extend the service life of the pavement. This type of patching usually requires the pavement to be milled, tack applied, and new asphalt laid down and compacted. Problems that occur that require large areas to be patched are:

- Raveling
- Depressions
- Potholes
- Alligator Cracking
- Longitudinal Cracking
- Block Cracking
- Edge Cracking
- Asphalt Upheaval

Alligator Cracking



Block Cracking



Potholes



Edge Cracking



2023 Stormwater Management

Our Township's Stormwater System is maintained and overseen by the Canton Township Public Works Department. Finding and correcting problems and issues with the storm system are found by, but not limited to the following ways.

- Service requests from residents
- Issues observed by Township employees
- Other agencies reporting issues

Summary-

The National Pollutant Discharge Elimination System (NPDES) small municipal separate storm sewer system (MS4) general permit required the development and implementation of a Storm Water Management Program (SWMP) that satisfied the appropriate water quality requirements of the Ohio Revised Code (ORC) 6111 and the Clean Water Act. This must identify and describe the best management practices (BMPs) the MS4 has selected to address in the permit. The six Minimum Control Measures (MCMs) were selected by the MS4 in light of local water quality issues. The six MCMs are:

1. Public Education and Outreach
2. Public Participation and Involvement
3. Illicit Discharge Detection and Elimination
4. Construction Site Runoff Control
5. Post-Construction Runoff Control
6. Pollution Prevention/Good Housekeeping for Municipal Operations

Canton Township has a Memorandum of Understanding (MOU) with Stark County Soil & Water Conservation District for Technical Assistance. The MOU, signed January 2022, is for a two-year period which expires in April of 2024. For the sum of \$4,000.00 each year Stark Soil will assist Canton Township with the six MCMs, and reporting required in our annual EPA NPDES small MS4 general permit report.



2023 Stormwater Management Cont.



- 75 Catch basins cleaned
- 50 Catch basins repaired
- 30 New catch basins installed
- 8 old catch basins replaced



- 2,809 feet of culvert pipe was either installed new, old pipe replaced, or repaired
- 180 feet of culvert was flushed due to a blockage



- 9,032 feet of roadway ditches were cleaned and reshaped.
- 2,000 feet of roadway were bermed for proper water runoff



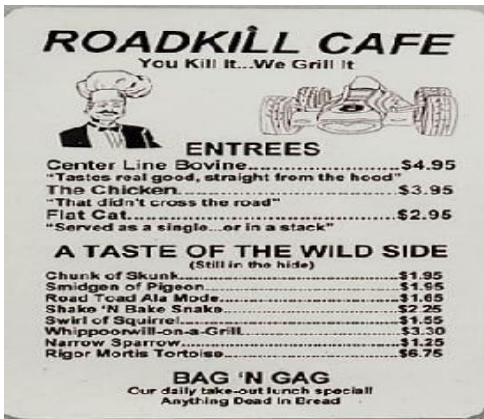
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2023 Road Safety and Maintenance

A duty of the Public Works Department is to keep the streets safe for the traveling public. Part of that duty is to keep the streets and road right of ways clear of trees, dead animals, trash/debris, and discarded tires.



- A total of 44 trees were removed from Township streets or the right of way due to storm damage or safety issues
- 6 trees were removed from Faircrest park due to storm damage by the Public Works Department
- 4 trees were removed from Hillcrest Cemetery
- Numerous trees were trimmed back from the roadway



- 22 deceased animals were picked up from the street and disposed of



- 251 tires were picked up from roadside ditches and recycled through a grant from the Ohio EPA

2023 Road Safety and Maintenance Cont.



- 44 different times to clean up trash and debris from the road, right of way, or ditch
- No tonnage totals are available as most items are disposed of with our regular trash collection service
- Items picked up include furniture, household trash, building materials, and yard waste

The Public Works Department in conjunction with Stark-Wayne-Tuscarawas Recycling District applied for and received a grant from the Ohio EPA. This grant will provide the pick-up (from our location) and proper recycling of up to 5,000 illegally dumped tires from Township streets, right of ways, and ditches. Canton Township has partnered with neighboring Townships to accept their tires at our facility for storage and centralized pick up for the hauling company.



2023 Road Safety and Maintenance Cont.

Another part of our road safety and maintenance is the upkeep of signage on the Township streets and the streets of the Village of Meyers Lake. We handle regulatory, warning, lane control, information, parking control, street name, school, littering/recycle, park, road, and object marker signage. We follow the MUTCD guidelines and the retro-reflectivity laws. Signage is a never-ending job. There is always signage to update, or replace due to age or accident. Canton Township has switched over to using a stronger galvanized u-channel sign post which holds up better in the wind and looks better due to not rusting after installation.



- 147 sign issues were handled during 2023
- 92 were new signs and new posts
- 55 were repairing/straightening the old sign or post



- 35 Road opening Permits were issued in 2023 for various contractors and utility companies
- Total of permit fees collected was \$7445.00

2023 Parks & Cemetery

- Trash was checked and collected a total of 127 times between both parks
- Both Parks were mowed a total of 20 times each
- Administration was mowed a total of 15 times
- Hillcrest Cemetery was mowed 15 times
- The flag box was emptied 33 times
- A small light display was at Faircrest Park during the Holidays
- The playgrounds at both parks were inspected 25 times
- Clean-up of Hillcrest Cemetery continued and debris hauled out

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2023 Community Day



- Community Day was held on June 24th, 2023
- LED Transportation provided shuttle buses to and from the parking lot at Faircrest Elementary school to the park
- 7 food vendors participated to provide food to attendees: Moonshine Q BBQ, JD's Gourmet Dogs, French Fries, Three Lil Piggies BBQ Food Truck, Bomb Tacos, Schoups Ice Cream, and Kona Ice
- Live entertainment was provided by Sounds From the Cellar and Gary Prisby
- Fireworks display was provided by Starfire Corporation
- Boy Scout Troop 250 participated by helping out with trash and cleaning
- Numerous area groups/organizations set up booths to display their products or showcase what they do in and around the community
- Approximate number of attendees was 3000
- Collected donations in the amount of \$30,350 from area businesses and residents
- Township elected officials, Public Works Staff, Fire Department Staff, and Office staff were all in attendance.

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