



# PUBLIC WORKS DEPARTMENT

2022 Annual Report

**Keith Grantland**  
**Director,**  
**Public Works**



# Table of Contents

<b>THE DIRECTOR’S REPORT</b> .....	<b>2</b>
<b>PERSONNEL ROSTER</b> .....	<b>3</b>
<b>FLEET and EQUIPMENT</b> .....	<b>4</b>
<b>OUR GOAL and MISSION</b> .....	<b>5</b>
<b>TRAINING</b> .....	<b>5</b>
<b>FACILITY and EQUIPMENT MAINTENANCE</b> .....	<b>6</b>
<b>SNOW and SALT OPERATIONS</b> .....	<b>7</b>
<b>STREETS and SIGNAGE</b> .....	<b>8</b>
<b>SANITARY and DRAINAGE</b> .....	<b>9</b>
<b>MOWING OPERATIONS</b> .....	<b>10</b>
<b>STRAY TRASH COLLECTION</b> .....	<b>10</b>
<b>LANDSCAPING</b> .....	<b>11</b>
<b>TREE, BRUSH, and TRIMMING SERVICES</b> .....	<b>11</b>
<b>BRANCH CHIPPING</b> .....	<b>12</b>
<b>LEAF COLLECTION</b> .....	<b>12</b>
<b>SPECIAL EVENTS and CHRISTMAS DECORATING</b> .....	<b>13</b>

## THE DIRECTOR'S REPORT

I proudly present this Willow Springs Public Works 2022 Annual Report to the Honorable Mayor Neddermeyer and the Village Board.

This was a busy year for Public Works, and we have been proud to complete many projects and tasks. We have also accomplished many other tasks with the cooperation of and/or in conjunction with various entities and groups. Furthermore, we have also assisted other villages based on their needs and their events.

In a brief statement, we have contributed **8,218 labor hours** with a total **1,528 work orders** completed and processed as of the writing of this report.



In more detailed fashion, this report will summarize and highlight various aspects of the projects and tasks we have undertaken throughout 2022—both within village boundaries and beyond.

I am honored to lead the Public Works Department and its crew. It may be a humble and relatively small crew, yet its efforts and dedication positively reflect upon our department as well as the image of Willow Springs.

Respectfully,

A handwritten signature in blue ink that reads "Keith Grantlanc".

# PERSONNEL ROSTER

## FULL-TIME EMPLOYEES

<i>NAME</i>	<i>POSITION</i>	<i>TIME in POSITION</i>
Keith Grantland	Director	5 ½ years
Paulie Freyman	Assistant Director	½ year
Kevin Phillips	Laborer	4 ½ years
Kyle Pease	Laborer	1 ¾ years
Tyler Norkus	Laborer	1 ½ years
Tyler Gallo	Laborer	1 year



## PART-TIME EMPLOYEES

<i>NAME</i>	<i>POSITION</i>	<i>TIME in POSITION</i>
John DeHaan	Laborer, mechanic	5 ½ years
Marijo Kristie	Laborer	4 ½ years
Steven Vanderstuyf	Laborer	2 years
James Uckerman	Laborer	4 ½ years
Patti Gallinaro	Laborer	9 months
Mary O'Heron	Admin Professional	4 ¾ years

## FLEET and EQUIPMENT

The following table displays some of our vehicle fleet and equipment. It is not all-inclusive of the Public Works inventory, but it offers a snapshot of such vehicles and equipment in use on a regular basis.

MAKE	MODEL	YEAR	DESCRIPTION
Ford	F250	2022	Sewer & utility truck w/hoist
Ford	F550	2021	Dump & plow truck
Ford	F550	2012	Dump & plow truck
Ford	F550	2002	Dump & plow truck
Ford	F250	2022	Pickup truck w/plow
Ford	F350	2021	Pickup truck
Ford	F250	2013	Pickup truck w/plow
Ford	F350	2012	Pickup truck w/plow
GMC	Sierra	2010	Pickup truck w/plow
Dodge	Town & Country	2014	General purpose
International	7400	2016	Dump & plow truck
International	RT700	2008	Dump truck
GMC	C6500	2000	Utility truck with boom bucket
Caterpillar	Cat 430-07A QC	2021	Backhoe w/bucket, fork, & snow push box
Case	SV280	2017	Skid loader w/bucket, tow, & sweep ability
New Holland	NHTC35D	2004	Tractor w/bucket & mower deck
John Deere	Gator	2012	ATV w/snowplow
John Deere	Z970R Zero Turn	2021	Riding mower (60" mowing deck)
John Deere	Z950M Zero Turn	2018	Riding mower (72" mowing deck)
John Deere	Z915B Zero Turn	2016	Riding mower (48" mowing deck)
John Deere	997 Zero Turn	2014	Riding mower (60" mowing deck)
Morbark	M15R	2011	Woodchipper w/winch system
American Road	1500	2008	Leaf vacuum trailer
ODB	SCL800TM25	2000	Leaf vacuum trailer
Falcon	2021	2020	Hot Box/asphalt trailer
Wacker	RD11A	2008	Roller
Harben	E Series	2008	Sewer jetter

## OUR GOAL and MISSION

The services provided by the Public Works Department are essential for maintaining a secure and modern lifestyle. Our goal is to preserve public improvements by investing in our infrastructure before the onset of major problems. We are dedicated to working as a team to ensure our residents receive the highest quality of services today and in the future.



## TRAINING

Throughout the year, the Public Works crew participates in both classroom-style and hands-on training. In December 2022, the crew will participate in chainsaw use, safety, and maintenance training conducted by the Stihl corporation.

Other training topics included:

- 🔺 CPR and AED
- 🔺 Vehicle and equipment operation
- 🔺 Tool operation
- 🔺 Safety

TRAINING	
Total Hours	60.25

## FACILITY and EQUIPMENT MAINTENANCE

In order to keep the village running, we must maintain and account for our resources. This includes making improvements to our fleet, equipment, and facilities.

Some of this year’s highlights include:

- 🚩 Public Works improvements:
  - Tuckpointing, exterior painting, and new roof on south building
  - Break room construction, to include electrical and plumbing improvements in north building



- 🚩 Weekly vehicle washing and maintenance
  - Includes police department and administrative fleets

- 🚩 Winch/Hoist systems installed:
  - Sewer/utility vehicle
  - Morbark woodchipper

- 🚩 New pump installation at Renaissance lift station



<b>MAINTENANCE: LABOR HOURS</b>	
<b>Painting</b>	23.25
<b>Shopkeeping &amp; Improvements</b>	237.5
<b>Inventory</b>	41.25
<b>Equipment Maintenance</b>	150.75
<b>Vehicle Maintenance &amp; Cleaning</b>	750

## SNOW and SALT OPERATIONS

This section covers the winter 2021-2022 season. A total of 32 inches of snow accumulated during that season (averaged for all of Cook County): To date, our crew, our fleet, and our salt and brine supplies are prepared for the coming winter.

Approximated Quick Facts:

- 🚩 25 miles of streets and alleys
- 🚩 4 miles of village parking lots
- 🚩 4.6 miles of pedestrian areas
- 🚩 20 driveway aprons of senior citizen residents



<b>STATS: SNOW and SALT OPERATIONS</b>	
<b>Labor Hours</b>	553
<b>Salt Usage (tonnage): Streets, Parking, &amp; Sidewalks</b>	656.2
<b>Brine Usage (gallons): Streets &amp; Parking</b>	625





## STREETS and SIGNAGE



A variety of street-related projects have been completed in 2022. Likewise, street sign and lighting work has occurred village wide. Contract curb and resurfacing work occurred on 85<sup>th</sup> Place and Bucki Lane on the north side of town. On the south side, contract resurfacing work occurred on North Cliff Street from Archer to the east-west alley.

Other street-related projects included:

- 🚧 Various village-wide pothole patching
- 🚧 Street surface cutting and patching
- 🚧 Alley grading: in the north-south alley between Nolton and Charleton Avenues, from High Street to 87<sup>th</sup> Street
- 🚧 Alley improvement: Surface grading followed by spreading and rolling of asphalt grindings (from the Cliff Street project) in the north-south alley between Pearl Street and North Oakwood Avenue



<b>STATS: STREETS &amp; SIGNAGE</b>	
<b>Labor Hours</b>	312
<b>Tonnage: Hot patch</b>	52.3
<b>Sign/Light Maintenance Hours</b>	141

# SANITARY and DRAINAGE

Our crew keeps things flowing smoothly with our sanitary and storm system checks and maintenance.

Approximated Quick Facts:

- 🚩 6 sanitary sewage lift stations
- 🚩 30 miles of sanitary sewer lines
- 🚩 50-plus miles of storm sewer lines, culverts, and pond or ditch inlets and outlets



<b>SANITARY &amp; DRAINAGE: LABOR HOURS</b>	
<b>Lift Station Repair and Maintenance</b>	81
<b>Sewer Jetter Usage</b>	50
<b>Inspection/Cleaning: Sanitary Sewer</b>	80
<b>Inspection/Cleaning: Storm Sewers &amp; Curbs</b>	193
<b>Pond Maintenance</b>	23



## MOWING OPERATIONS



The mowing crew is one of the busiest crews during the prime grass cutting season--generally from April through September. Mowing occurs weekly at many sites while other areas are on a bi-weekly or as needed basis.

Quick facts:

- ▲ Mowing operations include string trimming, backpack blowing, and stray trash pick-up
- ▲ Approximately 20 acres of mowing on a weekly basis
  - Approximately 27 acres when the rights-of-way for Com-Ed/pipeline and certain IDOT areas are included

<b>MOWING OPERATIONS</b>	
<b>Labor Hours (total)</b>	1,776

## STRAY TRASH COLLECTION

Stray trash is an issue throughout the village, but our crew collects the trash regularly or as needed to maintain a clean image for the village.

- ▲ Areas covered include:
  - Village properties and easements
  - All locales where mowing operations occur
  - State and County rights-of-way



<b>STRAY TRASH COLLECTION</b>	
<b>Labor Hours</b>	241.5

## LANDSCAPING

Various landscape projects have occurred around village areas such as the village hall, village boundary signs, veterans' corner, neighborhood entrances, public works yard, and more. A small greenhouse now exists at the public works yard to preserve and cultivate plants and flowers for future seasons. Landscaping duties include the following:



- 🔺 Laying soil and mulch
- 🔺 Placing flowers and plants
- 🔺 Watering flowers and plants
- 🔺 Weed removal
- 🔺 String trimming and edging

LANDSCAPING STATS	
<b>Labor Hours</b>	1, 131
<b>Tonnage: Soil</b>	75
<b>Tonnage: Mulch</b>	110

## TREE, BRUSH, and TRIMMING SERVICES

A variety of tasks fall into the mix of our tree, brush, and trimming services, and our arsenal of power tools can own up to those tasks.

We've conducted several tree or limb removals on village easements and properties, trimmed road shoulders and sidewalks for better sight lines and safety, and we've otherwise maintained a neatly trimmed appearance of other easements and sections of the village.



TREE, BRUSH & TRIMMING: LABOR HOURS	
<b>Tree Removal/Trimming</b>	246.25
<b>Brush and Hedge Clearing/Trimming</b>	645.75
<b>All Chainsaw Activity</b>	263.75

## BRANCH CHIPPING



Our woodchipper is a true, all-season workhorse in the Public Works inventory. We've made multiple runs during the branch chipping season, removed trees and trimmed brush, and we've conducted storm debris clean-up.

Our woodchipper (and chainsaws) also handled the challenge of storm debris clean-up when our crew assisted the village of Lyons in June.

<b>BRANCH CHIPPING: LABOR HOURS</b>	
<b>Chipping</b>	559
<b>Storm Debris Clean-up: Willow Springs</b>	39.75
<b>Storm Debris Clean-up: Lyons</b>	100

## LEAF COLLECTION

Falling leaves in Willow Springs presented the typical autumn challenge, yet our crews and our two leaf vacuum trailers stood up to the test. Leaf collection runs were conducted on a daily/near-daily basis—sometimes with both leaf vacuum trailers operating concurrently in different areas of the village.



Leaf collection was more than residential areas; we collected leaves from village parking areas, we cleared curb lines, and vacuumed leaves out of storm sewer manholes.



<b>LEAF COLLECTION STATISTICS</b>	
<b>Labor Hours</b>	503
<b>Leaf Tonnage</b>	510k pounds

## SPECIAL EVENTS and CHRISTMAS DECORATING

The 2022 event list was extensive, and our crew was proud to help contribute to the success of all the festivities.

One of our proudest contributions was the construction enhancement to the stage for Willow Fest and the Windy City Blues Fest. We also contributed to many stages of the event process to include planning, set-up, operation, clean-up, and take-down.



Along with some outside help, the crew works hard to-adorn village properties with the Christmas spirit.

Per agreement and cooperation with the Renaissance homeowner association (HOA), we also decorate the majority of Willow Boulevard from the village hall eastward and southward to Archer.

<b>SPECIAL EVENTS and CHRISTMAS DECORATION: LABOR HOURS</b>	
<b>Special Events: Combined Total</b>	601
<b>Christmas Decorations: Village Properties</b>	272.25
<b>Christmas Decorations: Renaissance HOA</b>	52