

# **Greene County Highway and Solid Waste Department 2023 Annual Report**

**Scott R. Templeton, Superintendent**

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# Mission Statement

## Highway and Solid Waste

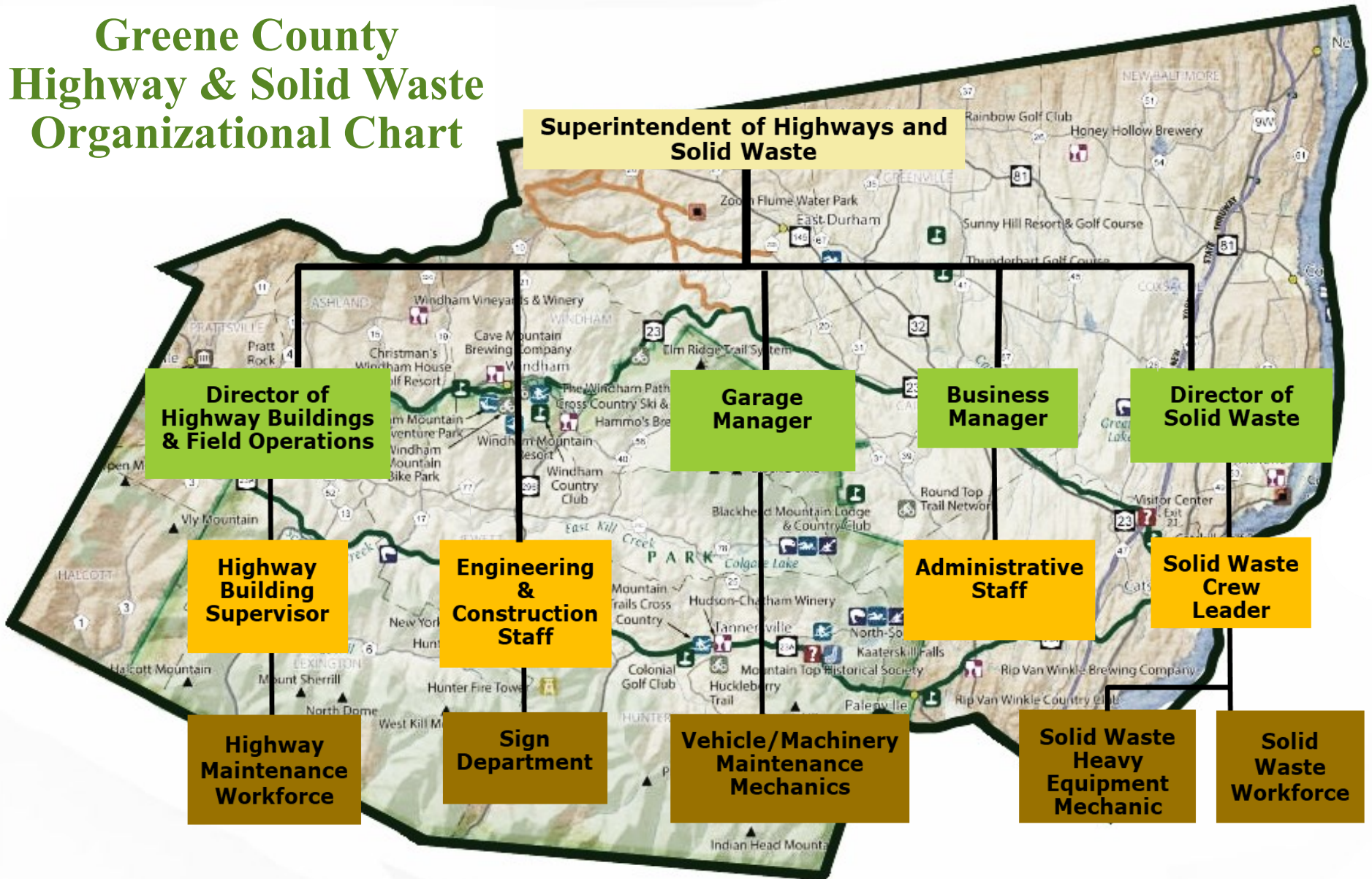


*The Greene County Highway Department exists to effectively maintain and improve the Highway and Bridge Infrastructure of Greene County for the efficient and safe use of the traveling public.*



*The mission of the Greene County Solid Waste Department is to create a safe, efficient and effective waste management disposal and recycling program to serve the county's residents and businesses.*

# Greene County Highway & Solid Waste Organizational Chart



# Greene County Highway Department Staff

## 5 - MANAGEMENT

- 1 - Superintendent
- 1 - Director of Highway Buildings & Field Operations
- 1 - Business Manager
- 2 - Project Managers

## 5 - ADMINISTRATION PERSONAL

- 1 - Senior Engineering Tech.
- 1 - Administration Assistant
- 2 - Senior Account Clerks
- 1 - Stenographer

## 36 - HIGHWAY EMPLOYEES

- 3 - Highway Building Supervisors
- 1 - Working Foreperson
- 18 - Motor Equipment Operators
- 7 - Heavy Equipment Operators B
- 1 - Heavy Equipment Operator A
- 1 - Sign Maintenance Worker
- 1 - Sign Maintenance Assistant
- 4 - Laborers

## 4 - FLEET MAINTENANCE PERSONAL

- 1 - Garage Manager
- 1 - Lead Automotive Mechanic
- 2 - Service Mechanics

# Greene County Highway Buildings

**BUILDING # 1 - CATSKILL**



**BUILDING # 4 FREEHOLD**



**BUILDING # 2 - ATHENS**



**BUILDING # 5 - HUNTER**



**BUILDING # 3 ASHLAND**



**SHOP # 1 - ATHENS**



# Highways in Greene County

	<u>County Roads by Town</u>	<u>County Roads by Village</u>	<u>County Roads Total</u>	<u>Town Roads Total</u>
Ashland	17.99	-	17.99	15.89
Athens	11.91	2.77	14.68	31.47
Cairo	30.04	-	30.04	87.92
Catskill	18.37	-	18.37	80.32
Coxsackie	16.34	0.72	17.06	47.81
Durham	22.26	-	22.26	76.99
Greenville	23.76	-	23.76	62.04
Halcott	7.21	-	7.21	15.99
Hunter	13.78	0.4	14.18	35.31
Jewett	23.71	-	23.71	37.62
Lexington	16.7	-	16.7	35.28
New Baltimore	23.63	-	23.63	61.67
Prattsville	12.71	-	12.71	17.66
Windham	19.13	-	19.13	35.14
	<b>257.54</b>	<b>3.89</b>	<b>261.43</b>	<b>641.11</b>

## Greene County Highway Mileage by Functional Classification

07 - Major Rural Collector	15.47
08 - Minor Rural Collector	121.14
09 - Local Rural	111.87
17 - Major Urban Collector	10.07
18 - Minor Urban Collector	1.61
19 - Local Urban	1.28

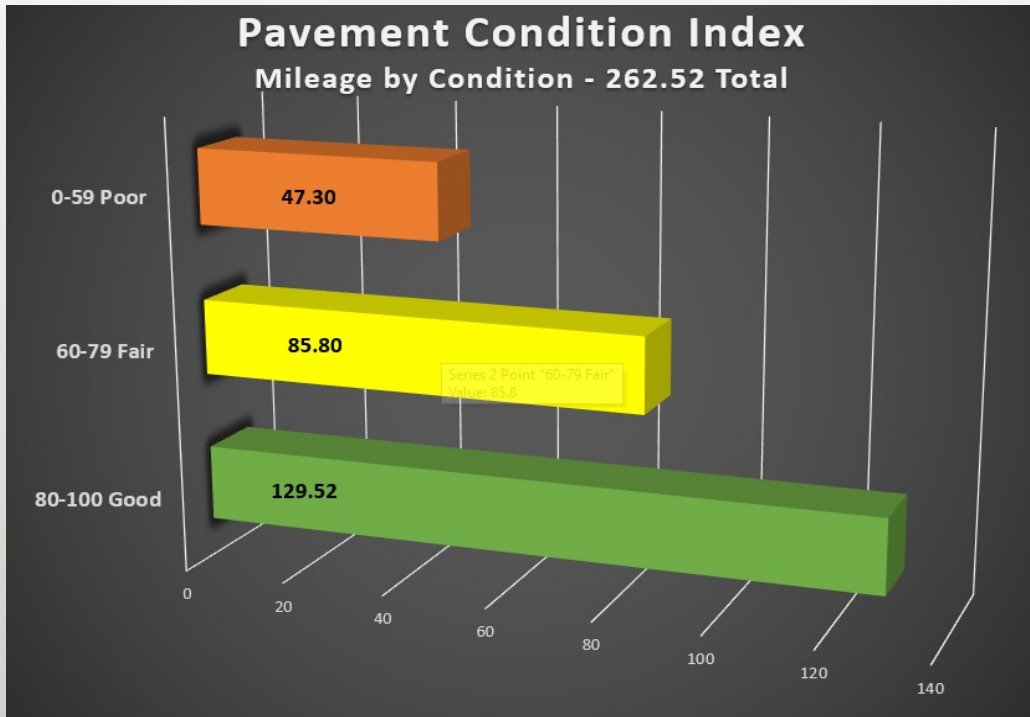
## State Highway in Greene County

194.63 Miles

## NYS THRUWAY in Greene County

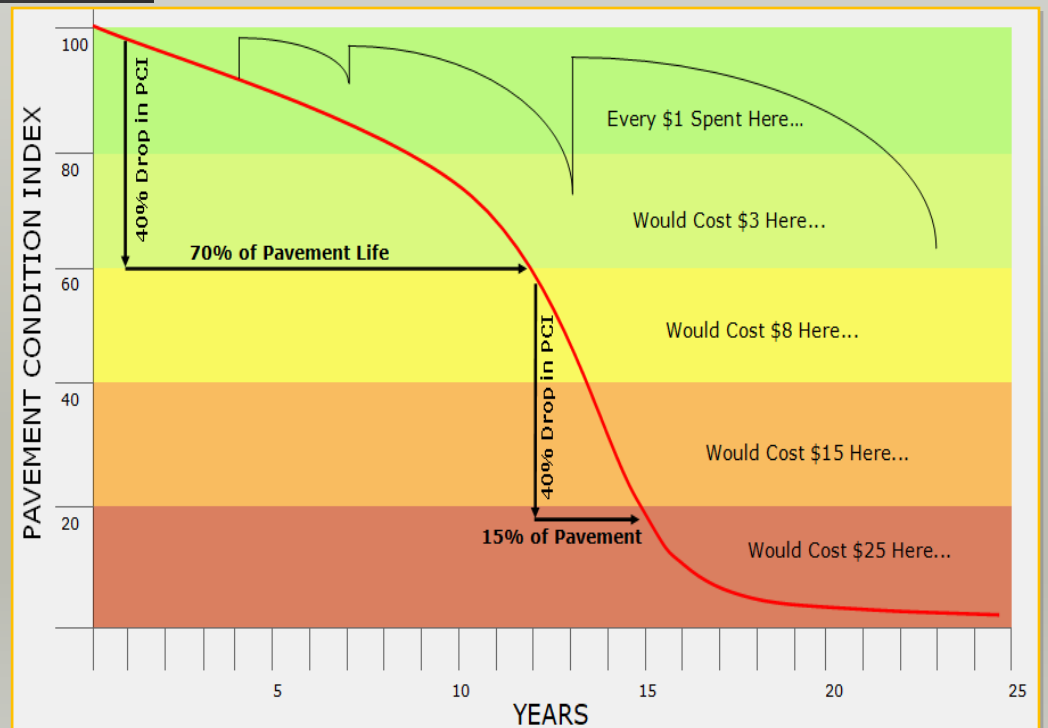
23.84 Miles

Source: NYS DOT CHIPS Local Road Inventory



The graph to the left shows the current condition of county owned roads. 82% of the network is in fair or better condition with 49% being in good condition. A pavement preservation plan will encourage keeping the “good” roads in good condition while working to bring the “fair” roads into good condition. A “worst to first” strategy, where all funding is allocated to the worst roads in the network each year, is neither feasible nor beneficial to the network. Poor roads are not forgotten, just fixed gradually while using remaining funds to keep better roads from falling into poor condition.

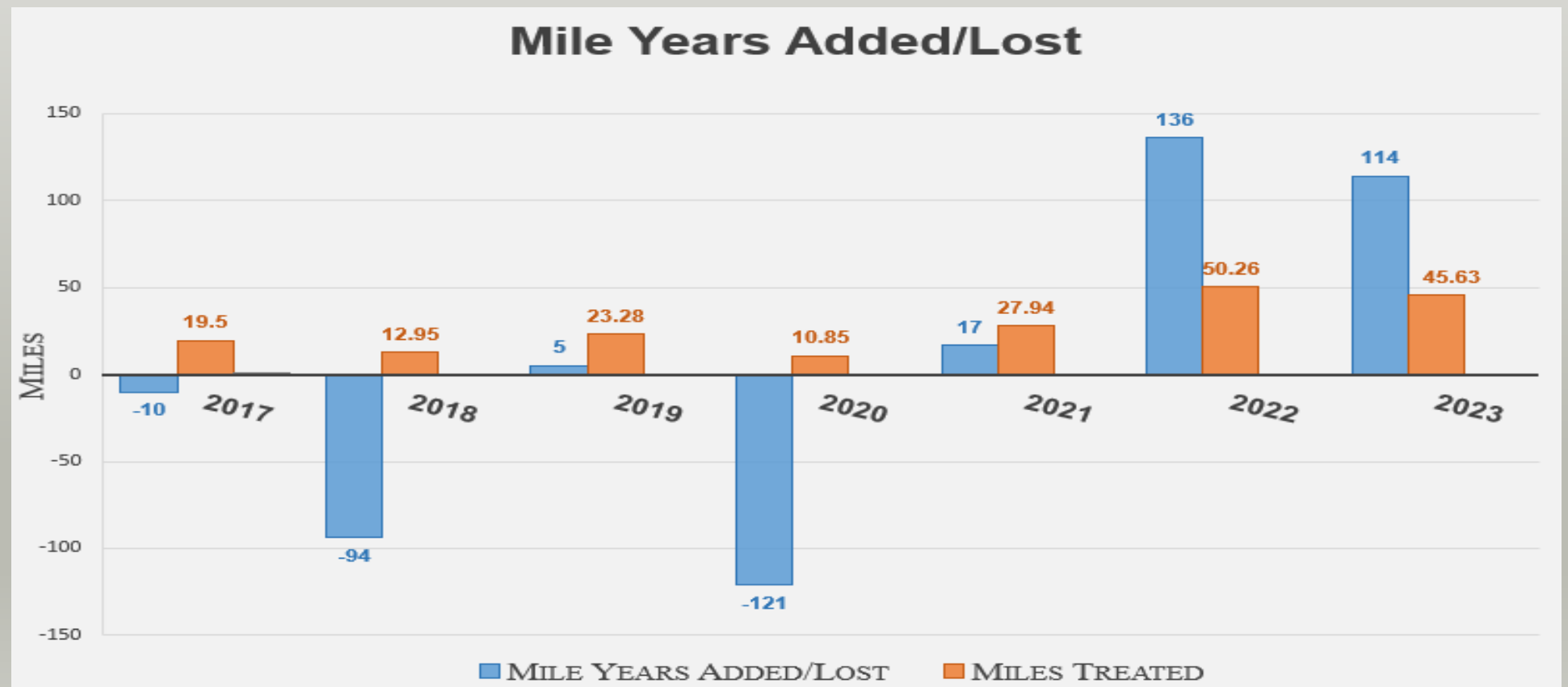
The chart on the right illustrates a typical pavement deterioration curve. As pavement ages, it begins to rapidly deteriorate between years 10 and 15. Preservation techniques have been shown to drastically flatten this curve, at a fraction of the cost of waiting until the pavement has failed. By optimizing preservation strategies, it is possible to see cost savings upwards of 50% over a 40 year period, when compared to a 12-15 year overlay schedule.



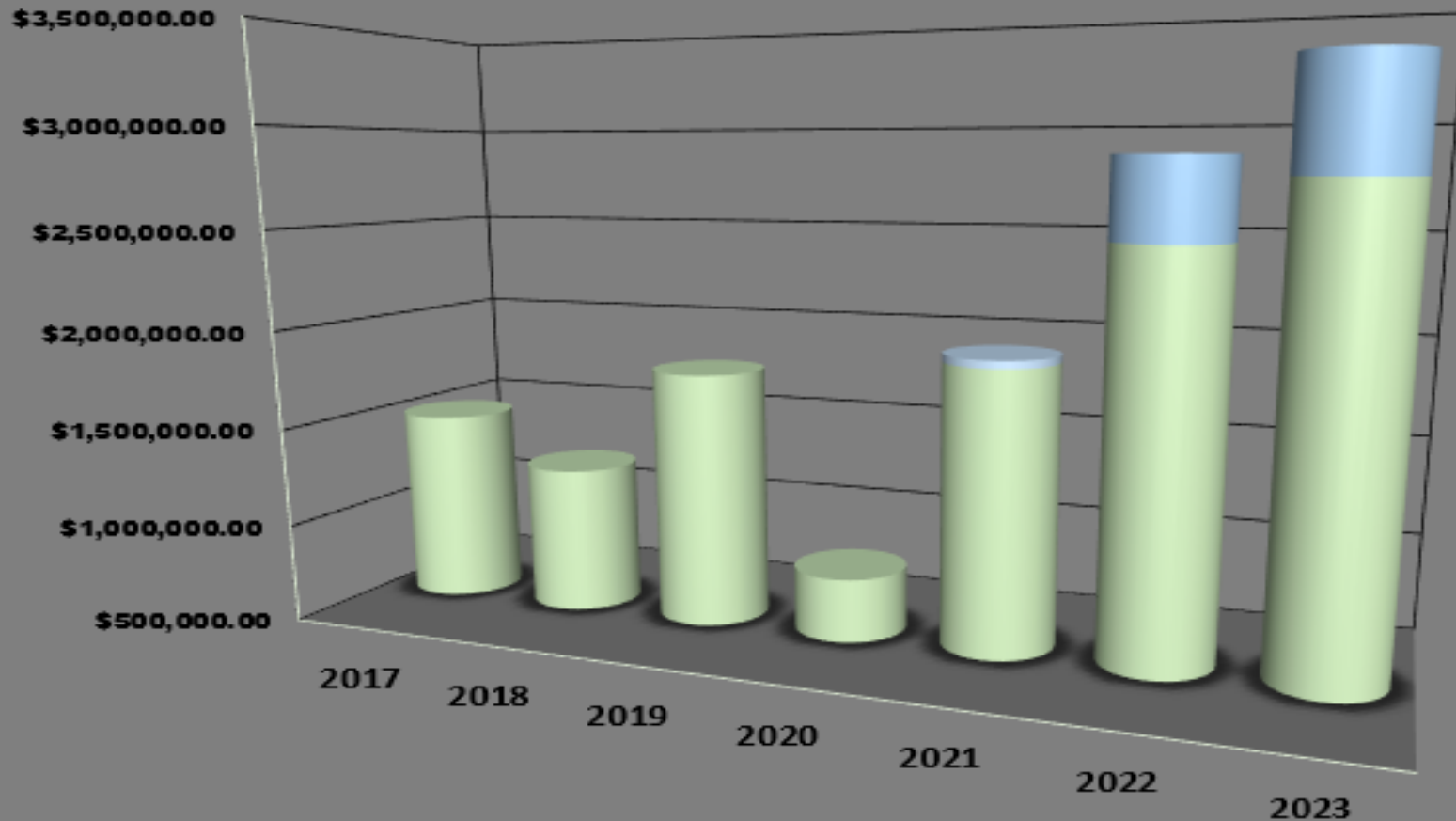


A critical principle in pavement maintenance is a concept known as a “Mile Year”. It states that every year, every mile of road loses one year of service life. Every treatment has an expected service life, be it 3 years for crack seal, 7 years for micro-surface, or 13 years for a two inch overlay. If three, one mile sections were treated with those examples, 23 years of service life would be added to the network. Greene County maintains 262.5 miles of road. Meaning that if we don’t add 262.5 years of service life annually, the network is in decline. It would take approximately 20 miles of two inch overlay to reach 262.5 mile years, at a cost of \$2.6 million. This would not improve the network, merely maintain it at current levels. That same \$2.6 million could micro-surface 56 miles and add 392 mile years of service life. While not every road is a candidate for every treatment type, this principle demonstrates the benefit of lower cost preservation techniques can have on the network as a whole.

The graph below represent mile years added/lost, in relation to our network mileage, as well as total mileage treated. In 2023, our treatments totaled 45.63 centerline miles, 376.52 mile years of life, resulting in a gain of 114 mile years. In 2020, covid-19 played a major role in the lack of treatments being done, resulting in a 121 mile year loss for the network.



# Annual Road Maintenance Money



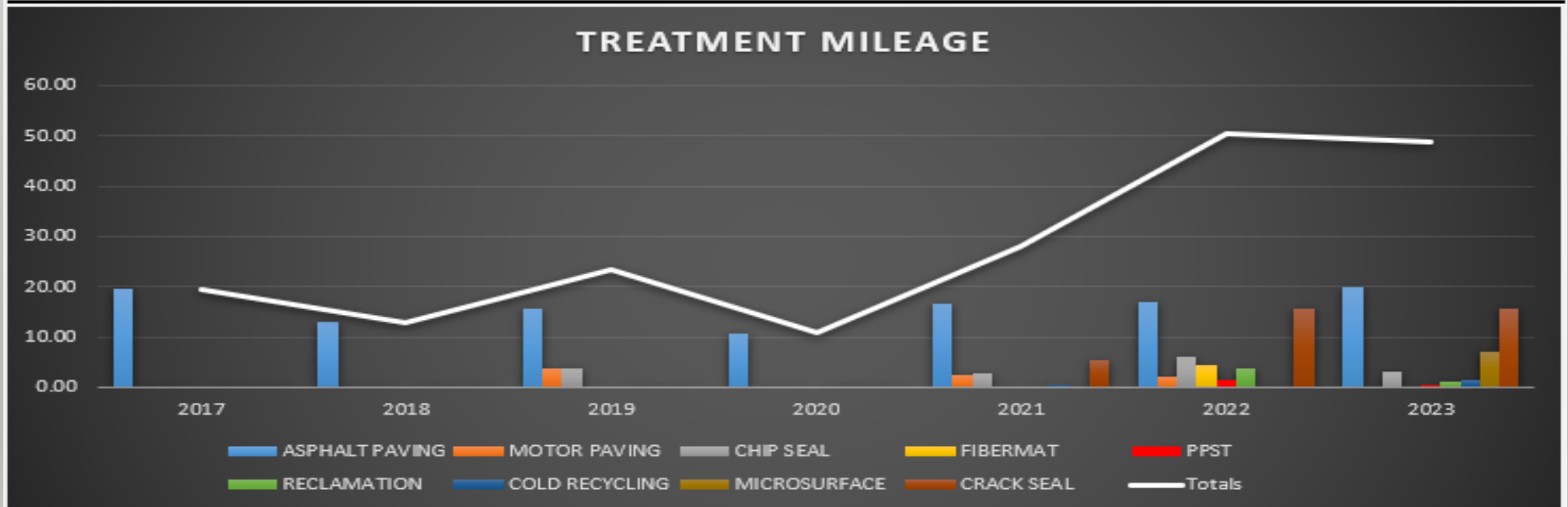
	2017	2018	2019	2020	2021	2022	2023
■ Preservation	\$0.00	\$0.00	\$0.00	\$0.00	\$38,541.00	\$384,060.50	\$513,891.20
■ Reconstruction	\$1,484,978.17	\$1,248,130.46	\$1,792,317.06	\$821,806.59	\$1,902,210.38	\$2,476,186.65	\$2,766,670.01

In 2022 and 2023 there was a concerted effort to implement more preservation techniques. Asphalt prices continued to rise, with a 20% increase between '22 and '23, in addition to a 30% increase the previous year.

\*Paving totals in 2020 were low due to Covid-19

# Pavement Treatment Summary

TREATMENT	2017	2018	2019	2020	2021	2022	2023
ASPHALT PAVING	19.50	12.95	15.50	10.85	16.65	17.12	20.04
MOTOR PAVING	0.00	0.00	3.89	0.00	2.41	2.20	0.00
CHIP SEAL	0.00	0.00	3.89	0.00	2.94	6.07	3.06
FIBERMAT	0.00	0.00	0.00	0.00	0.00	4.30	0.00
PPST	0.00	0.00	0.00	0.00	0.00	1.38	0.35
RECLAMATION	0.00	0.00	0.00	0.00	0.00	3.81	1.25
COLD RECYCLING	0.00	0.00	0.00	0.00	0.60	0.00	1.51
MICROSURFACE	0.00	0.00	0.00	0.00	0.00	0.00	7.21
CRACK SEAL	0.00	0.00	0.00	0.00	5.34	15.50	15.50
<b>Totals</b>	<b>19.50</b>	<b>12.95</b>	<b>23.28</b>	<b>10.85</b>	<b>27.94</b>	<b>50.38</b>	<b>48.92</b>



\*Paving totals in 2020 were low due to Covid-19

# 2023 Completed Paving List

## (Roads and Sections)

Road Name	Town	From	To	Width (feet)	Length (miles)	Estimated US Tons	Actual US Tons
CR. 2	Prattsville	Slide Repair	Slide Repair	23.0	0.07	220.00	217.24
CR. 2	Lexington	Beech Ridge Rd.	H Truesdel Sr Rd	24.0	0.17	437.18	416.56
CR. 5	Ashland	SR 23	Brink Rd.	18.0	1.10	1,815.00	1,802.98
CR. 14	Jewett	CR 77	CR 17	21.0	1.23	2,356.48	2,251.85
CR. 20	Cairo	CR 20A	Eddison Timmerman	21.0	1.62	2,613.60	2,622.47
CR. 21	Windham	Siam Rd. (Southernmost)	Windham Highway	22.0	2.07	2,688.38	2,714.52
IDA	Coxsackie	SR 9W	SR 8W	30.0	0.53	1,321.47	1,313.78
CR. 25	Hunter	CR 23C	Box 537	21.0	1.45	2,054.36	2,003.05
CR. 26	New Baltimore	CR 51	Alcove Rd	21.0	1.77	2,725.80	2,768.21
CR. 32C	Ashland	CR 10	End	18.0	1.85	3,321.45	3,208.94
CR. 41	Cairo	CR 23B	Germans Hill	22.0	1.55	2,482.77	2,474.97
CR. 47	Catskill	S. of Dedrick St.	SR 23A	22.0	1.70	2,512.77	2,539.03
CR. 57	Coxsackie	Hamilton Rd	Flint Mine Rd.	21.0	2.45	3,037.27	3,048.13
CR. 65	Windham	SR 296	SR 23	21.0	0.84	1,190.11	1,216.20
CR. 83	Hunter	SR 214	SR 23 A	22.0	1.51	2,188.08	2,202.45
						<b>Estimated</b>	<b>Actual</b>
<b>Grand Total</b>					<b>19.91</b>	<b>30,964.72</b>	<b>30,800.38</b>

# 2023 FEDERAL & STATE AID PROJECT SUMMARY

<u>BIN / PIN</u>	<u>PROJECT DESCRIPTION</u>	<u>FUND APPROPRIATION</u>	<u>CONTRACT COST</u>
<b>PIN 1760.23</b> (Federal Aid)	<b>CR 83 Culvert and Pedestrian Bridge</b>	<b>Project 93</b>	<b>(2017 &amp; On Going)</b>
	Engineering - CDM Smith, Inc.		\$207,955.00
	ROW Incidentals - CDM Smith, Inc.		\$37,589.00
	ROW Acquisitions		\$2,000.00
	Construction Inspection - Clark Patterson Lee		\$260,000.00
	Construction - James H. Maloy, Inc.		<u>\$1,338,696.87</u>
			<b>\$1,846,240.87</b>
<b>BIN 3302860</b> <b>PIN 1761.92</b> (Federal Aid)	<b>CR 40 Over the Batavia Kill</b>	<b>Project 124</b>	<b>(2022 &amp; On Going)</b>
	Engineering - Barton & Loguidice		\$316,137.00
	ROW Incidentals - Barton & Loguidice		<u>\$57,627.00</u>
			<b>\$373,764.00</b>
<b>BIN 3302910</b> <b>PIN 1761.91</b> (Federal Aid)	<b>CR 61 Over the Coxsackie Creek</b>	<b>Project 125</b>	<b>(2022 &amp; On Going)</b>
	Engineering - Creighton Manning, LLP.		\$312,000.00
	ROW Incidentals - Creighton Manning, LLP.		<u>\$23,000.00</u>
			<b>\$335,000.00</b>

# 2023 BRIDGE OF NEW YORK PROJECT SUMMARY

<u>BIN / PIN</u>	<u>PROJECT DESCRIPTION</u>	<u>FUND APPROPRIATION</u>	<u>CONTRACT COST</u>
<b>BIN 3201240</b>	<b>Timber Lake Road Over the Broad Street Hollow</b>	<b>Project 106</b>	(2020 & On-Going)
<b>PIN 1761.21</b> (Federal Aid)	Engineering - Creighton Manning Engineering, LLP. ROW Incidentals - Creighton Manning Engineering, LLP. ROW Acquisitions Construction Inspection - Clark Patterson Lee Construction - ING Civil, Inc.		\$268,424.00 \$37,534.00 \$16,900.00 \$246,000.00 <u>\$1,585,500.00</u> <b>\$2,154,358.00</b>
<b>BIN 3200960</b>	<b>Bloomer Road over Gooseberry Creek</b>	<b>Project 107</b>	(2020 & On-Going)
<b>PIN 1760.21</b> (Federal Aid)	Engineering - Clark Patterson Lee ROW Incidentals - Clark Patterson Lee ROW Acquisitions Construction Inspection - CDM Smith, Inc. Construction - Bette & Cring, LLC.		\$275,656.20 \$30,430.00 \$2,700.00 \$276,342.00 <u>\$1,803,919.00</u> <b>\$2,389,047.28</b>

# 2023 SWSMP GRANT WITH SOIL & WATER PROJECT SUMMARY

<u>SWSMP #</u>	<u>PROJECT DESCRIPTION</u>	<u>FUND APPROPRIATION</u>	<u>CONTRACT COST</u>
<b>SWSMP</b> <b>2021-23-002</b>	<b>CR 02 Culvert over Unnamed Tributary of Schoharie Creek</b> Construction - Advanced Enterprise		(2021 & On Going) <b>\$412,552.00</b>

# 2023 CATSKILL WATERSHED CORPORATION GRANT SUMMARY

<u>CIN</u>	<u>PROJECT DESCRIPTION</u>	<u>FUND APPROPRIATION</u>	<u>CONTRACT COST</u>
<b>CIN 01-00-474 HAL</b>	<b>CR 01 Culvert over Brownell/West Settlement Creek</b> Engineering - Creighton Manning	<b>D5112.2160</b>	(2022 & On Going) <b>\$57,500.00</b>

*Background - New Timber Lake Road over Broadstreet Hollow Stream - Lexington*

# 2023 LOCAL FUNDED PROJECT SUMMARY

<u>LOCATION/ BIN / CIN</u>	<u>PROJECT DESCRIPTION</u>	<u>FUND APPROPRIATION</u>	<u>CONTRACT COST</u>
<b>BIN 3201020 Hunter</b>	<b>Platte Cove Rd. over Plattekill Creek</b> Rehabilitation Study - CDM Smith, Inc. Bridge Rehabilitation (Approved for Bridge NY Funding)	D5112.2160	(2022 & On Going) \$18,222.27 <u>\$31,000.00</u> <b>\$49,222.27</b>
<b>Catskill</b>	<b>CR-23B Pedestrian Crossing Study</b> Engineering - Creighton Manning Engineering, LLP.	D5112.2160	(2023 & On Going) <u>\$10,500.00</u> <b>\$10,500.00</b>
<b>CIN 67-06-180-GRN Greenville</b>	<b>CR-67 Culvert over Jan deBakkers Kill</b> Engineering - H&T Engineering, PLLC.	D5112.2160	(2023 & On Going) <u>\$27,544.00</u> <b>\$27,554.00</b>
<b>BIN 3303052</b>	<b>CR-83 Bridge over Schoharie Creek - Granite Curbing Repair</b> Construction - Town and County Bridge and Rail	D5112.2160	(Completed) <b>\$24,455.00</b>
<b>BIN 3200770</b>	<b>All Peats Bed Rd. over Gooseberry Creek - Cheek Wall/Abutment Repair</b> Construction - Town and County Bridge and Rail	D5112.2160	(Completed) <b>\$26,960.00</b>

12/14/2021

# 2023 LOCAL FUNDED PROJECT SUMMARY

## (continued)

<u>LOCATION/ BIN / CIN</u>	<u>PROJECT DESCRIPTION</u>	<u>FUND APPROPRIATION</u>	<u>CONTRACT COST</u>
BIN 2259510 Halcott	<b>Turk Hollow Road over Vly Creek Deck Repair</b> Construction - Town and County Bridge and Rail	D5112.2160	(Completed) <b>\$20,833.60</b>
Greenville	<b>CR 35 Culvert Deck Repair</b> Construction - Town and County Bridge and Rail	D5110.4056	(Completed) <b>\$9,880.00</b>
County Routes 07, 14, 47, 61, 83	<b>Guide Rail Repair/Replacement Program</b> Material - Chemung Supply Construction - Litchko Construction	D5110.4056	(Completed) \$47,626.76 <u>\$8,160.00</u> <b>\$55,786.76</b>
All County Roads	<b>Roadside Vegetation Management Program (Guide Rail Spraying)</b> Construction - Chase Enterprise	D5112.2140	(Completed) <b>\$17,528.00</b>
Ashland, Jewett, Windham	<b>Silane Sealer Treatment of Concrete Bridge Decks (5 Year Cycle)</b> Construction - Town and County Bridge and Rail	D5112.2160	(Completed) <b>\$32,736.42</b>

*Background - New Guide Rail Installation, CR-61 - Cocksackie*



# Bridge Structural Flags

New York State Department of Transportation administers an annual or bi-annual inspection of all publicly owned bridges located in Greene County. The Engineering Division receives from New York State Department of Transportation the inspection reports and any “Flag” information resulting from those bridge inspections. Red Structural Flags require immediate response in the form of a site inspection, by the County’s General Consultant Engineer, and subsequent repair plan formulated and submitted to New York State Department of Transportation within 24 hours or 6 weeks from the initial notification, depending on the designated urgency of the flagged condition.

Yellow Structural Flags are reviewed and a proposed plan to effect repairs is formulated before the flagged condition worsens, resulting in a red flag.

The Engineering Division monitors all structural and safety flags received from New York State Department of Transportation and then updates the files in our Bridge Management database. In 2023, there were a total of 6 Structural Flags, all Yellow.

The table below indicates the number of Red and Yellow Flags received over the past five years:

<b>YEAR</b>	<b>RED</b>	<b>YELLOW</b>
<b>2023</b>	<b>0</b>	<b>6</b>
<b>2022</b>	<b>0</b>	<b>6</b>
<b>2021</b>	<b>3</b>	<b>8</b>
<b>2020</b>	<b>1</b>	<b>4</b>
<b>2019</b>	<b>2</b>	<b>9</b>

# 2023 Sign Program

The Greene County Highway Sign Department is responsible for over 15,000 road signs. These signs include Speed Limit, Pedestrian Crossings, Hidden Driveways, School Bus Ahead, Signal Arrows and Chevrons.

The Sign Department is often called upon to design and implement complete highway closure detours for construction projects. These include bridges, paving, culvert replacements and road stabilization projects. The department is also responsible for contacting New York Dig Safe for all pipe and sign replacements, along with saw cutting of pavement for said pipe replacement projects. The sign department also delivers voting machines to various locations for the November General Election as well as School Budget Votes, Primary Elections and Special Elections.

## In 2023, the Sign Department completed the following:

- \* 615 New High-Intensity Prismatic Signs Installed
- \* 115 Signs Repaired/Replaced (Accidents, etc.)
- \* 11 Detours installed and maintained
- \* 20 Pavement Cuts for Catch Basin Replacement (IDA Park)
- \* Crosswalks, Stop-Bars, & Turning Arrows Repainted
- \* Share The Road Signs on CR-56
- \* New 4-Way Stop - CR-67, Sandy Plains, and Ira Vail Rd.
- \* New Speed Limit Signs, Town of New Baltimore
- \* New Crosswalks at Coxsackie Transfer Station
- \* 80 Underground Utility Call-Ins
- \* 63 pavement cuts for pipe excavation
- \* 224.4 miles of centerline marking
- \* 225.8 miles of edge line marking
- \* Voting Machines Delivered/Picked up
- \* Fence Post and Animal Pen Installed at Youth Fair
- \* Bleachers Installed and Removed at The Point

# 2023 Roadside Vegetation Maintenance Program

Beginning in 2021, Greene County has been treating roadside vegetation with a chemical herbicide to prevent weed growth along guide rail on county roads. In 2023 there was a fall application to prevent growth of new vegetation for 2024. The application was done by Chase Enterprises of Syracuse.

All chemicals used are approved for use by NYSDOT and NYSDEC.



**Picture in 2021 prior to any application**



**Picture in 2023 after 2 years of treatment.**

# Bloomer Road Bridge & Spruce Street Culvert - Hunter



The original bridge carrying Bloomer Road over the Gooseberry Creek was built in 1968 and had reached the end of its useful life (top left). The replacement structure designed by CPL Engineering consists of prestressed concrete hollow slabs with cast-in-place abutments founded on H-piles (top center & right). As a part of this project, repairs were made to a large multi-plate arch culvert owned by the village of Tannersville (bottom center). The new bridge and repairs to the Spruce street culvert was completed in November by the contractor Bette & Cringe.

# Timber Lake Road Bridge - Town of Lexington



The former bridge (top left) carrying Timber Lake Road over the Broadstreet Hollow Stream was replaced in 2023 with a new structure featuring prestressed hollow slabs with cast-in-place abutments founded on micropiles designed by Creighton Manning. An on-site detour structure (top center) was required to maintain access for residents. This project was funded through the Bridge NY program, and construction was completed by ING Civil, Inc. in November.



## CR-83 Ski Bowl Road Culvert & Pedestrian Bridge - Town of Hunter



County Route 83 (Ski Bowl Road) runs parallel to the Schoharie Creek and provides access to the town park and Hunter mountain. The replacement structure, designed by CDM Smith, is a precast concrete box culvert (top center). One of the design considerations was to match the aesthetics of a historic bridge nearby. The new pedestrian bridge (bottom right) mirrors the appearance of this bridge, which was one of the first gas-welded bridges in New York. The construction was completed in November by James H. Maloy, Inc.



# Greene County Highway Department Vehicle List

ID. Num.	VEHICLE DESCRIPTION	ID. Num.	VEHICLE DESCRIPTION	ID. Num.	VEHICLE DESCRIPTION
19-01	19 Dodge Durango	15-33	15 Ford F350 Crew Cab 1 Ton Pickup	02-67	02 Int'l Tandem Axle w/Plow
02		13-34	13 Ford F350 Crew Cab 1 Ton Pickup	68	
19-03	19 Ford F250 3/4 Ton 4x4 Pickup	01-35	01 Ford F 450 XL 1 Ton Utility Truck	02-69	02 Ford F450 1 Ton w/Stake Body
16-04	16 Ford F250 3/4 Ton 4x4 Pickup	08-36	08 Ford F250 Service Truck	06-70	06 Int'l Single Axle w/Plow
22-05	22 Ford F250 3/4 Ton 4x4 Pickup	89-37	89 Oshkosh Tandem Axle w/plow	22-71	Int'l HX520 SFA 6x4 Tandem w/Plow
22-06	22 Ford F250 3/4 Ton 4x4 Pickup	16-38	16 Ford F350 1 Ton Crew Cab Pickup	22-72	Int'l HX520 SFA 6x4 Tandem w/Plow
22-07	22 Ford F250 3/4 Ton 4x4 Pickup	16-39	16 Ford F350 1 Ton Crew Cab Pickup	22-73	Int'l HX520 SFA 6x4 Tandem w/Plow
08		88-40	88 Int'l S1600 Sign/Rack Truck	22-74	Int'l HX520 SFA 6x4 Tandem w/Plow
15-09	15 Ford F250 3/4 Ton 4x4 Pickup	08-41	08 International 7600 Tandem	22-75	Int'l HV507 Single Axle 4wd w/Plow
06-10	06 Ford Expedition	42		22-76	Int'l HV507 Single Axle 4wd w/Plow
15-11	15 Ford F250 3/4 Ton 4x4 Pickup	02-43	02 Int'l 4700 Sign/Rack Truck	22-77	Int'l HV507 Single Axle 4wd w/Plow
20-12	20 Ford F350 Service Truck	83-44	83 Oshkosh Single Axle w/Plow	22-78	Int'l HV507 Single Axle 4wd w/Plow
22-13	22 Ford F350 Service Truck	07-45	07 Int'l 7500 Single Axle w/Plow	05-79	05 Johnson Sweeper – Freightliner
13-14	13 Ford Explorer	46		07-80	07 Freightliner 55-ft. Bucket Truck
17-15	17 Ford Escape	03-47	02 Int'l Tandem Axle w/plow	01-81	01 Int'l Altec + F11 65-ft. Bucket Truck
14-16	14 Dodge Durango	13-48	13 Ford F250 3/4 Ton 4x4 Pickup	82	
16-17	16 Ford F250 3/4 Ton 4x4 Pickup	95-49	95 Int'l 4800 Single Axle w/plow	18-83	18 Freightliner Tymco Broom
04-18	04 Dodge 2500 3/4 ton 4x4 Pickup	50		88-84	88 Oshkosh Tandem Axle w/plow
04-19	04 Dodge 2500 3/4 ton 4x4 Pickup	97-51	97 Oshkosh Single Axle w/Plow	00-85	00 Int'l Eagle Paystar Tri-Axle Dump Truck
86-20	86 Oshkosh Single Axle w/Plow	95-52	95 Oshkosh Single Axle w/Plow	01-86	01 Int'l Eagle Paystar Tri-Axle Dump Truck
18-21	18 Dodge Ram 5500 Dump w/plow	04-53	04 Mack Single Axle w/Plow	00-87	00 Int'l 6x4 Day Cab Tractor
92-22	92 Int'l Single Axle Dump Truck	54		19-88	19 Int'l HX520 SFA 6x4 Day Cab Tractor
18-23	18 Dodge Ram 5500 Dump w/plow	90-55	90 Ford/Oshkosh Single Axle w/Plow	00-89	00 Oshkosh Single Axle w/Plow & sander
17-24	17 Dodge Ram 5500 Dump w/plow	56		88-90	88 Oshkosh Single Axle w/Plow & sander
17-25	17 Dodge Ram 5500 Dump w/plow	57		91	
26		17-58	17 Western Star Tandem w/plow	92	
91-27	91 Int'l 4600 Crew Cab Dump Truck	58-59	58 Oshkosh Snow Blower (Durham)	91-93	91 Int'l Dump Crew Cab (Water Truck)
28		01-60	01 International 2574 Single Axle	05-94	05 Int'l Paystar 4x4 Truck w/plow
29		61		95	
30		16-62	Freightliner Tandem Axle w/plow	96	
87-31	87 Oshkosh Single Axle w/Plow	63		97	
07-32	07 Int'l 7500 Dump Truck w/plow	14-64	Freightliner Tandem Axle w/plow	98	
		65		99	
		01-66	01 Int'l Paystar 4x4 w/Plow	100	

# Greene County Highway Department Equipment List

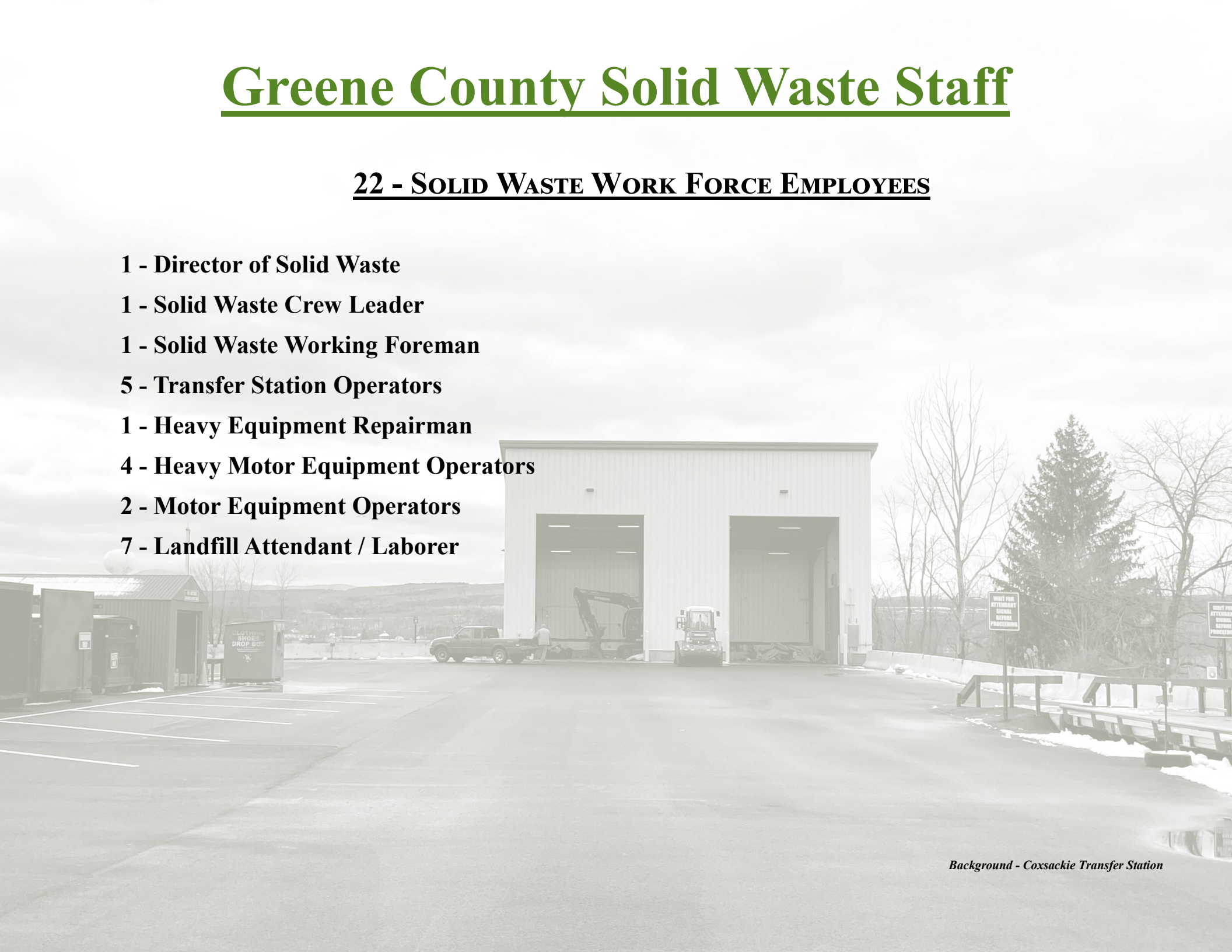
99-E06	99 Case 650G Dozer, 80 hp. 2.2cy.	22-E82	BANDIT Intimidator 12X - Brush Bandit
19-E12	19 John Deere 544K Loader	22-E83	BANDIT Intimidator 12X - Brush Bandit
87-E16	87 Mastercraft Forklift	00-E85	00 Case 590 Super L Backhoe
17-E17	John Deere 544K Loader	01-E87	01 Ingersoll-Rand DD110 Double Drum Roller / 120 hp.
21-E21	John Deere 6110M Tractor w/Rotary & Flail Mower	98-E91	98 Vermeer 1230A Chipper 4 cy. / 86 hp.
18-E22	John Deere 6110M Tractor w/Rotary Boom Mower	02-E96	02 Case 590 Backhoe 4cyl. / 99 hp.
20-E23	BOMAG BW 120 SL -5 Vibratory Roller	80-E108	80 Hauck Steam Culvert Thawer
20-E24	BOMAG BW 120 SL -5 Vibratory Roller	83-E111	83 Sullair Air Comp. 68 hp., 185 cfm.
22-E25	BOMAG BW 120 SL -5 Vibratory Roller	88-E112	88 Sullair Air Comp. 78 hp., 185 cfm.
22-E26	BOMAG BW 120 SL -5 Vibratory Roller	07-E115	07 Caterpillar 314C Excavator Track
04-E27	04 Stone Wolfpac 3100 Vibratory Roller / 18 hp.	89-E120	89 Caterpillar Grader 120 hp.
17-E28	17 John Deere 544K Loader		
03-E35	03 Broce Broom RJ350 Street Sweeper 80 hp.		
15-E40	15 John Deere 5085M Tractor w/ Side Flail Mower		
17-E41	John Deere 5085M Tractor w/ Side & Rear Flail Mower		<u>TRAILERS</u>
22-E42	John Deere 5090E Tractor w/ Side & Rear Flail Mower	99-T07	Trail King 20-Ton Tag Trailer
22-E43	John Deere 5090E Tractor w/ Side & Rear Flail Mower	23-23T	Cam Superline 7ton Split-Tilt
99-E53	99 Gradall G3WD / 8cy. / 190 hp.	23-24T	Cam Superline 7ton Split-Tilt
19-E68	19 John Deere 544K Loader	20-T25	Big Tex Single Axle Trailer
21-E70	T66 Bobcat Compact Track Loader	20-T56	Big Tex 6-Ton Trailer
97-E72	97 Gradall G3WD / 8cy. / 190 hp.	20-T57	Big Tex 6-Ton Trailer
07-E73	Gradall XL-3100	20-T87	Talbert 35-Ton Lowboy
94-E74	94 Gradall XL-4100 8 cy. / 145 hp.	22-T88	Felling 35-Ton Lowboy
20-E80	MORBARK Eager Beaver 1215 Chipper	02-T89	Dump Trailer
20-E81	MORBARK Eager Beaver 1215 Chipper		



# Greene County Solid Waste Staff

## 22 - SOLID WASTE WORK FORCE EMPLOYEES

- 1 - Director of Solid Waste**
- 1 - Solid Waste Crew Leader**
- 1 - Solid Waste Working Foreman**
- 5 - Transfer Station Operators**
- 1 - Heavy Equipment Repairman**
- 4 - Heavy Motor Equipment Operators**
- 2 - Motor Equipment Operators**
- 7 - Landfill Attendant / Laborer**



# Solid Waste Services

## Greene County Transfer Stations

CATSKILL

COXSACKIE

HUNTER

WINDAHM

County operated Transfer Stations accept Municipal Solid Waste, C&D, and the following Recyclables:

Glass, Cans, Cardboard, Metal, Plastic, Paper, Food Waste Composting (Catskill Only), Electronics, Appliances, 20lb. Propane Tanks, Tires, Batteries (Lithium and Car), and Nickel Deposits

## Services Provided by Greene County Solid Waste

### *Town Recycling Centers*

Town of New Baltimore Recycling - Glass, Cans, Cardboard, Metal, Plastic, and Paper

Town of Cairo Recycling - Glass, Cans, Cardboard, Metal, Plastic, and Paper

Town of Durham Recycling - Glass, Cans, Cardboard, Metal, Plastic, and Paper

Town of Greenville Waste & Recycling - MSW, Glass, Cans, Cardboard, Metal, Plastic, Paper, TVs, and Tires

Town of Halcott Waste & Recycling - MSW, Glass, Cans, Cardboard, Plastic, Paper, and TVs

### *(9) Needle Kiosk*

Locations in: Catskill (2), Cairo (2), Windham, Greenville, Durham, Hunter and Coxsackie

### *(2) Paper Boxes*

South Cairo Post Office and Earlton Fire Department

### *(3) Senior Center Recycling Pick-up*

Athens, Catskill and Coxsackie

### *Town Cleanup Days*

County Provides Containers and Transportation

### *Household Hazardous Waste Day*

# Solid Waste Facility Locations

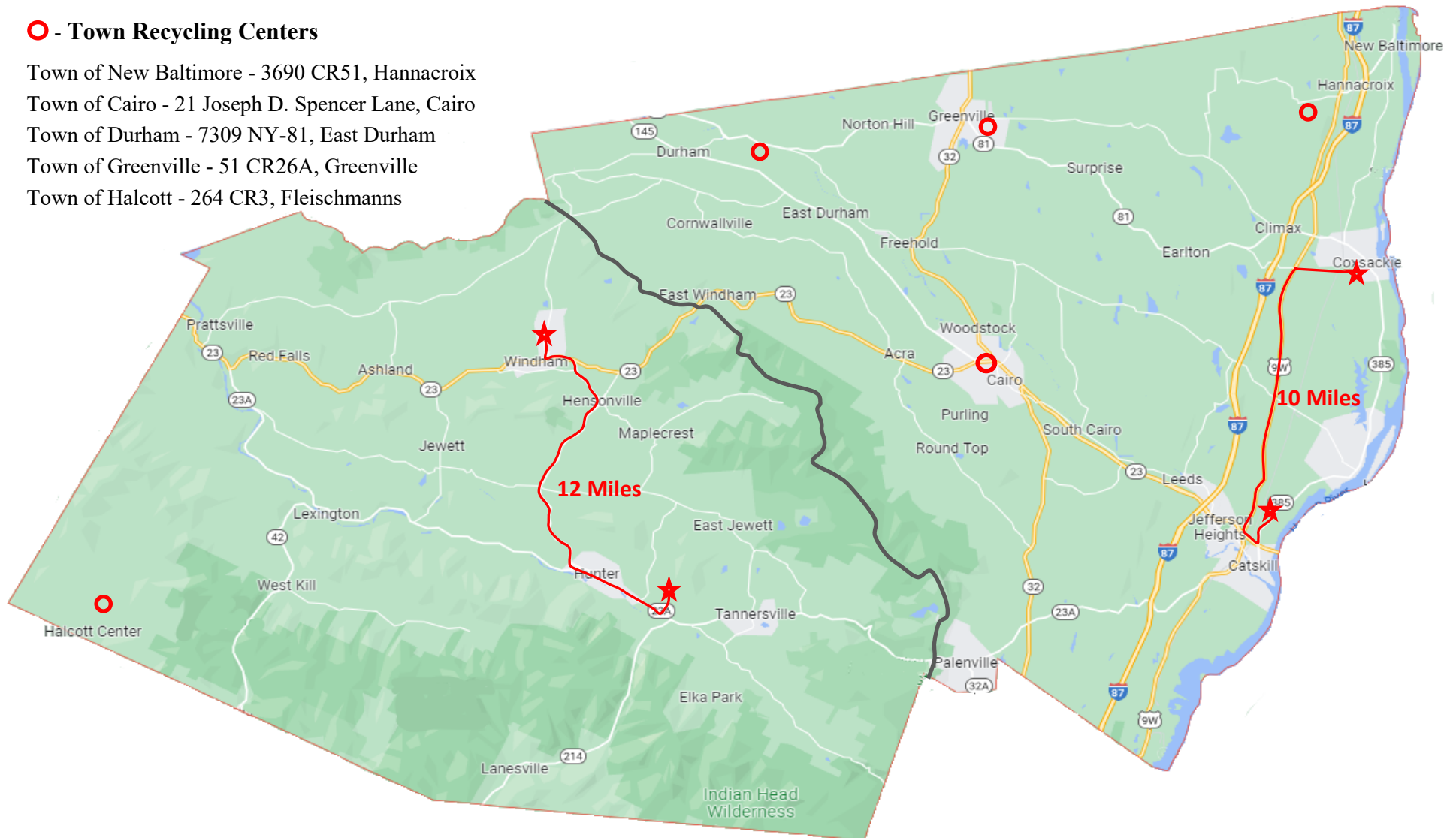


## ★ - Greene County Transfer Stations

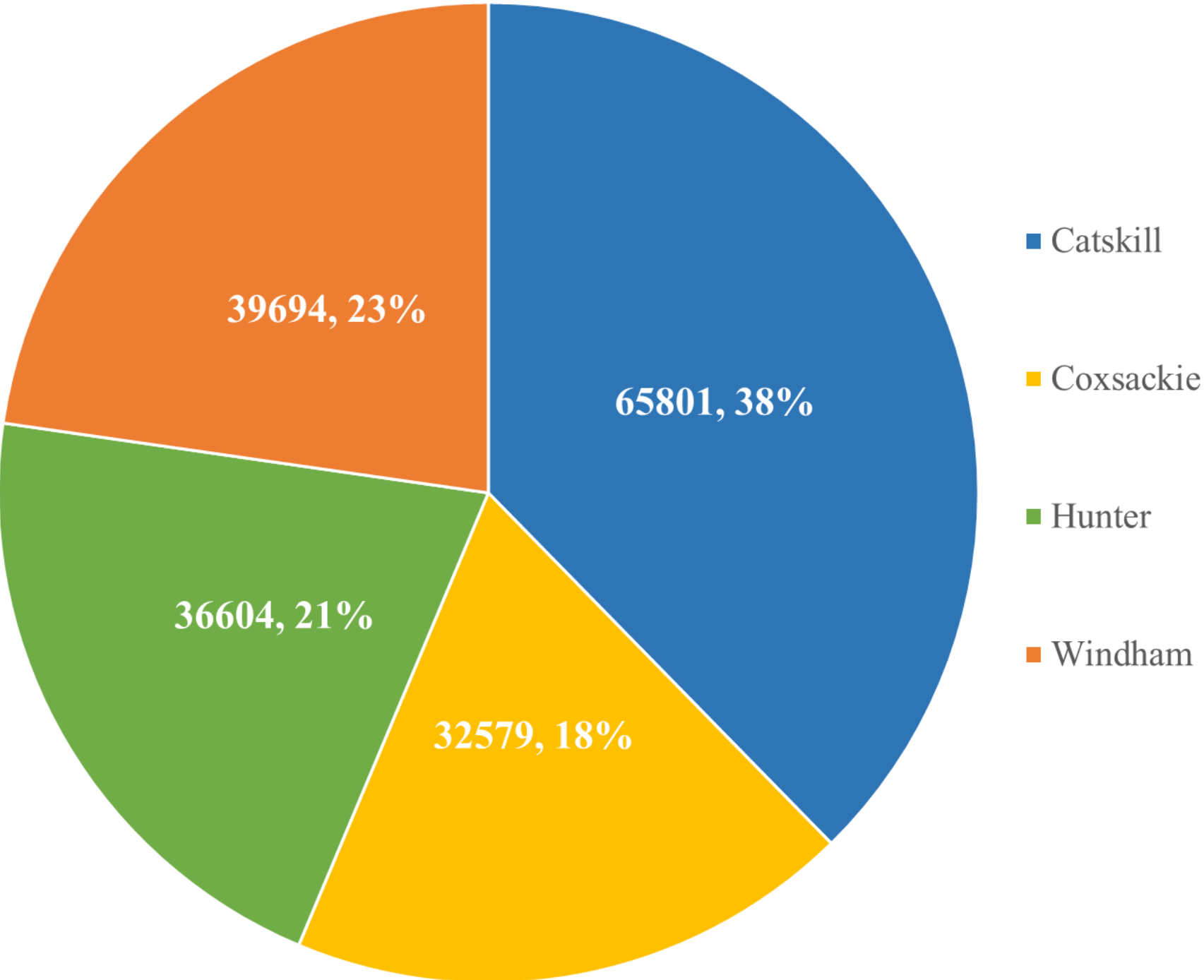
- Catskill - 181 NY-385, Catskill
- Coxsackie - 88 Plank Rd, Coxsackie
- Hunter - 75 Hylan Rd, Hunter
- Windham - CR 21, Windham

## ○ - Town Recycling Centers

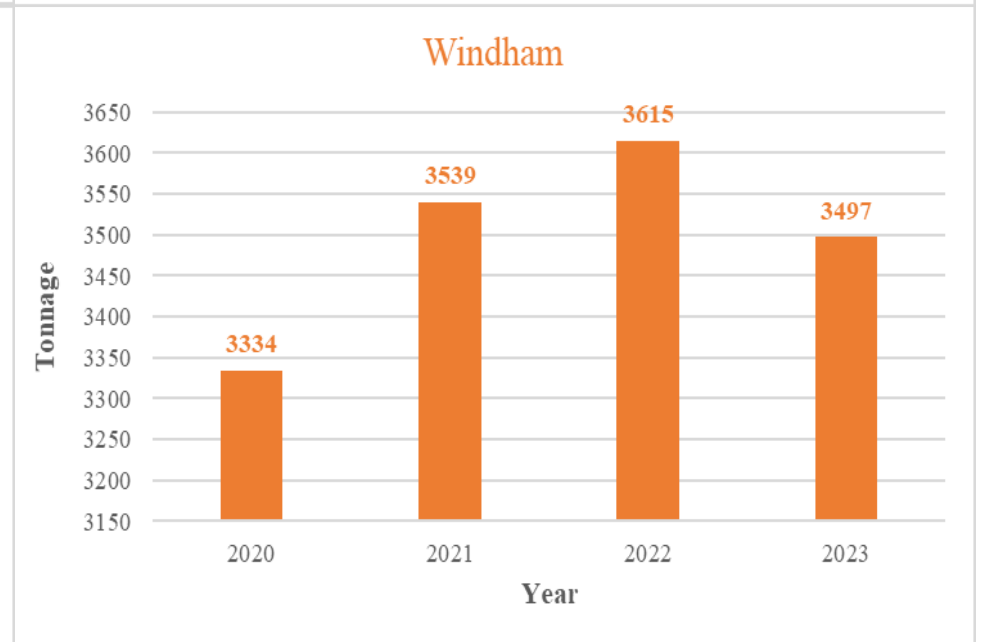
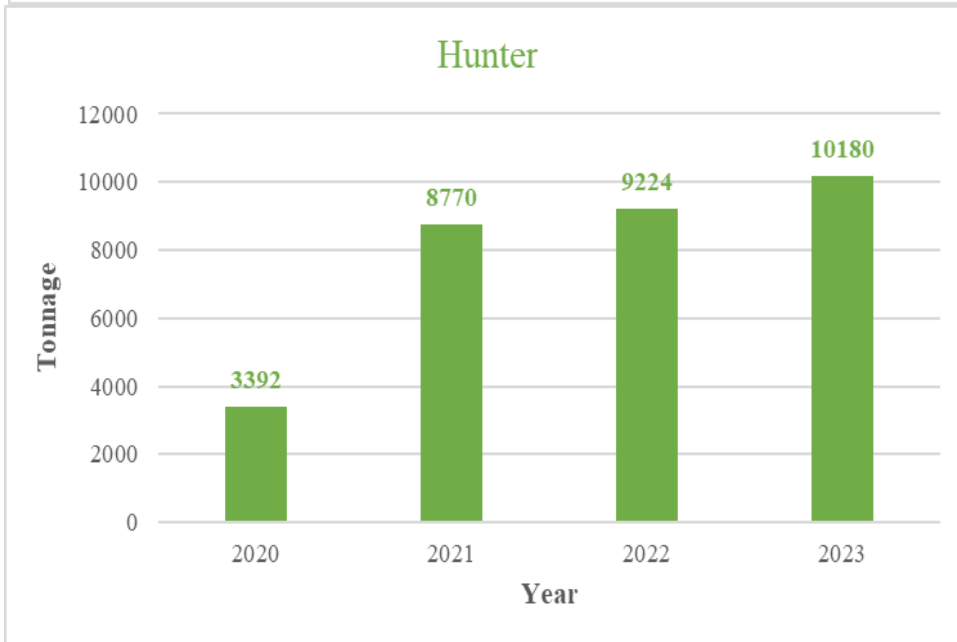
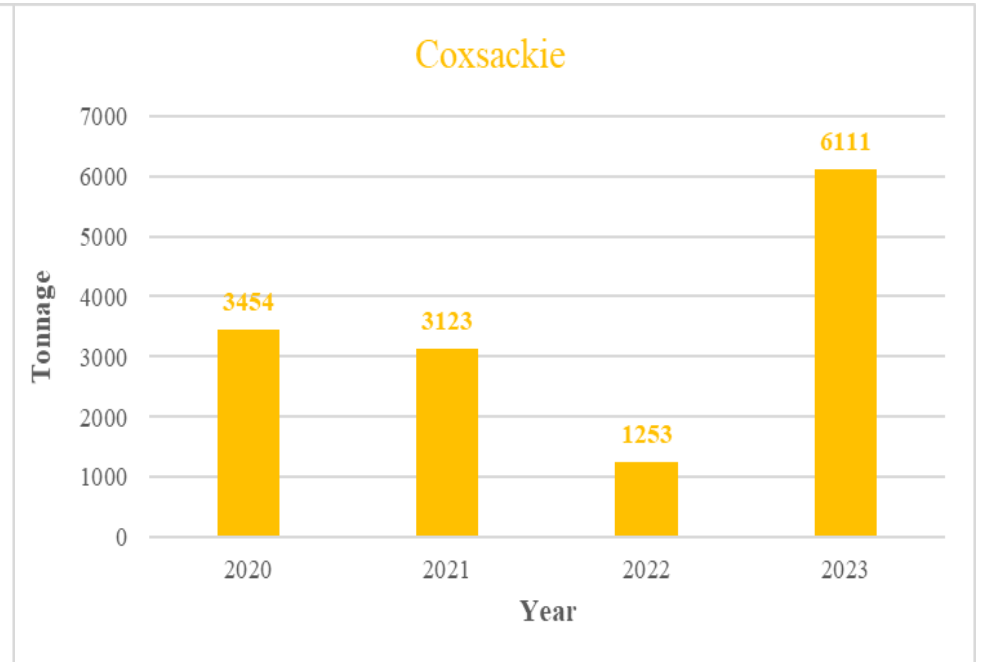
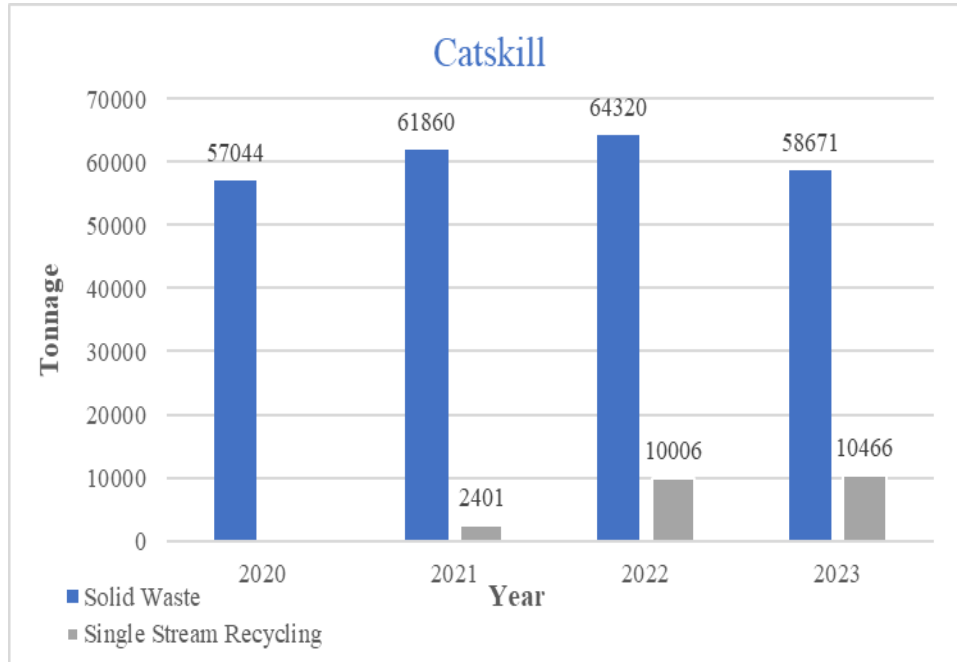
- Town of New Baltimore - 3690 CR51, Hannacroix
- Town of Cairo - 21 Joseph D. Spencer Lane, Cairo
- Town of Durham - 7309 NY-81, East Durham
- Town of Greenville - 51 CR26A, Greenville
- Town of Halcott - 264 CR3, Fleischmanns



# Solid Waste Customers by Locations



# Solid Waste Volume by Locations



# 2023 Solid Waste Capital Improvement Project Summary

## **Catskill Transfer Station Single Stream Recycling Building (Project 126)**

Engineering - Barton & Loguidice, D.P.C.  
Construction - Jersen Construction Group  
Electrical - DLC Electric

\$136,570.00  
\$1,500,314.49  
\$203,581.62  
**\$1,840,466.11**

## **Catskill Transfer Station Residential Drop-Off Infrastructure Improvements (Project 147)**

Engineering - Barton & Loguidice, D.P.C.

\$130,000.00  
**\$130,000.00**

## **Current Grant Applications - Prepared on behalf of Greene County Solid Waste Management by Barton & Loguidice, D.P.C.**

<u>Grant Title</u>	<u>Status</u>	<u>Amount Requested</u>	<u>Item</u>
Municipal Waste Reduction and Recycling Program (NYSDEC)	Submitted	\$97,029.74	Recycling Truck
Municipal Waste Reduction and Recycling Program (NYSDEC)	Submitted	\$87,826.84	Roll Off Truck
Municipal Waste Reduction and Recycling Program (NYSDEC)	Submitted	\$36,419.30	ER-1000 Composter and Residential Bins

# New Solid Waste Equipment



During 2023 the Greene County Solid Waste Department purchased:

- 1- 2023 International Box Truck
- 1- 2023 John Deere Loader
- 1- 2022 Kobelco Excavator
- 1- 2023 Kobelco Excavator

# 2023 Solid Waste Vehicle and Equipment List

## VEHICLES

<b>ID. Num.</b>	<b>Description</b>
SW-01	2014 Dodge Durango
SW-02	2018 Dodge 1500 Tradesman Quadcab
SW-03	2007 Chevrolet Express 2500 Van
SW-04	2020 Chevrolet 3500 Service Truck
SW-05	2020 Volvo Tri-Axle Roll Off Truck
SW-06	2000 GMC 3500 Bucket Truck
SW-07	2003 Ford F-350 Pickup / Plow & Sander
SW-08	2010 Ford F-350 Dump / Sander
SW-09	2022 Volvo Roll Off Truck
SW-10	2023 International Box Truck
SW-12	2004 International Box Truck
SW-13	2004 International Roll Off Truck
SW-14	2021 Volvo Tri-Axle Roll Off Truck
SW-17	2001 Ottawa Yard Tractor
SW-18	1986 Ottawa Yard Tractor
SW-19	2008 Kalmar Yard Tractor
SW-20	2001 Ottawa Yard Tractor
SW-21	2002 Ottawa Yard Tractor

## EQUIPMENT

SW-T66	2022 Bobcat Skid Steer Loader
SW-444P	2023 John Deere Loader
SW-416E-1	2008 Caterpillar Backhoe
SW-HX130	2022 Hyundai Excavator
SW-HX130-1	2022 Hyundai Excavator
SW-SK140	2022 Kobelco Excavator
SW-TW80	2020 Takeuchi Loader
SW-TW80-1	2022 Takeuchi Loader
SW-SK140-2	2023 Kobelco Excavator
SW-92	2002 Yale Fork Truck