



Greene County Highway and Solid Waste Department 2024 Annual Report

Scott R. Templeton, Superintendent

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Mission Statement

Highway and Solid Waste

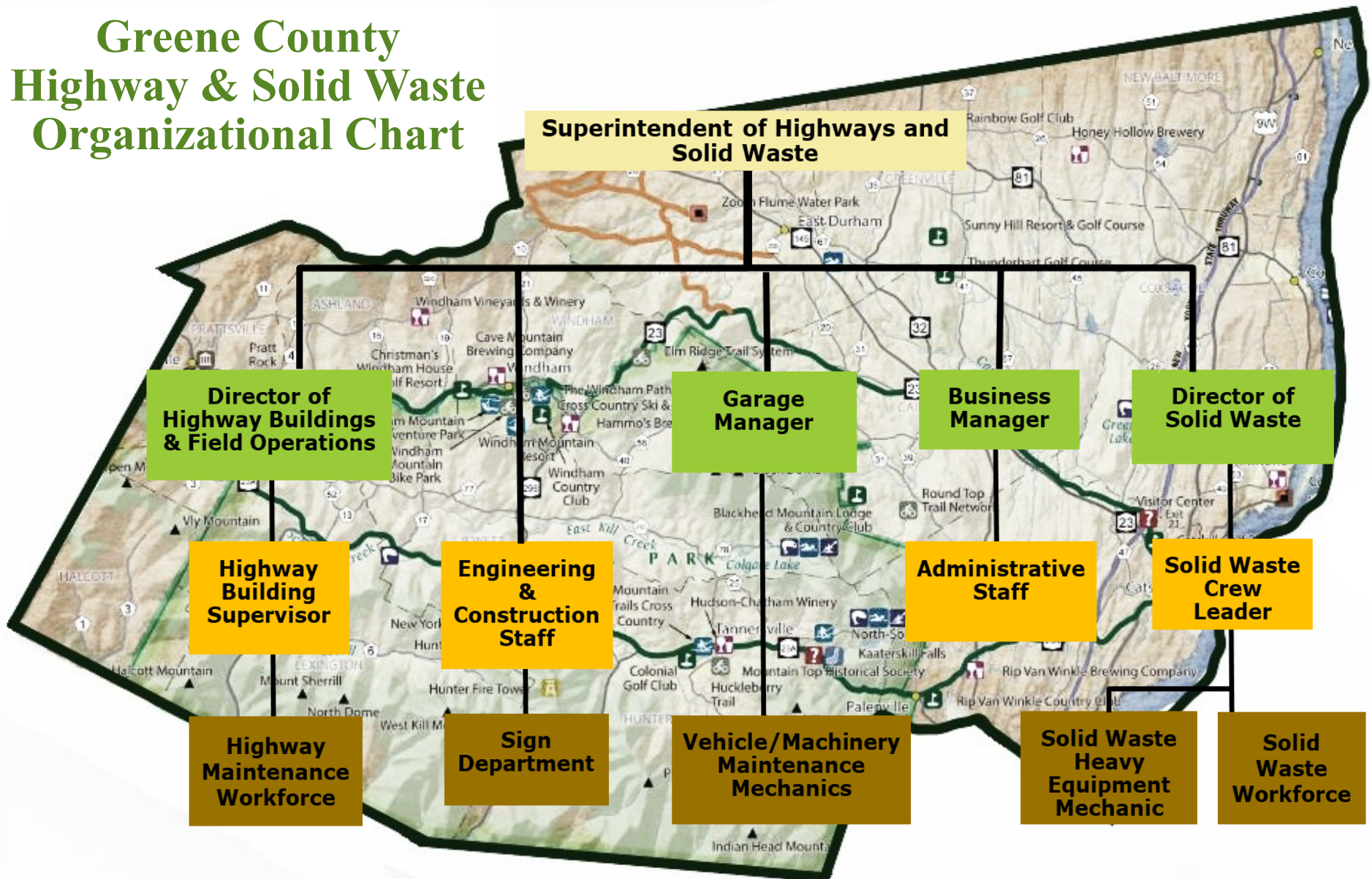


The Greene County Highway Department exists to effectively maintain and improve the Highway and Bridge Infrastructure of Greene County for the efficient and safe use of the traveling public.



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 - Principal Account Clerk**
- 2 - Senior Account Clerks**
- 1 - Stenographer**

35 - HIGHWAY EMPLOYEES

- 3 - Highway Building Supervisors**
- 1 - Working Foreperson**
- 15 - Motor Equipment Operators**
- 10 - Heavy Equipment Operators B**
- 2 - Heavy Equipment Operator A**
- 2 - Motor Equipment Operator Trainees**
- 1 - Sign Maintenance Worker**
- 1 - Sign Maintenance Assistant**

4 - FLEET MAINTENANCE PERSONAL

- 1 - Garage Manager**
- 1 - Lead Automotive Mechanic**
- 1 - Automotive Mechanic**
- 1 - Heavy Equipment Repair Worker**



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
	257.54	3.89	261.43	641.11

Greene County Highway Mileage by Functional Classification

07 - Major Rural Collector	15.47
08 - Minor Rural Collector	122.88
09 - Local Rural	110.12
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

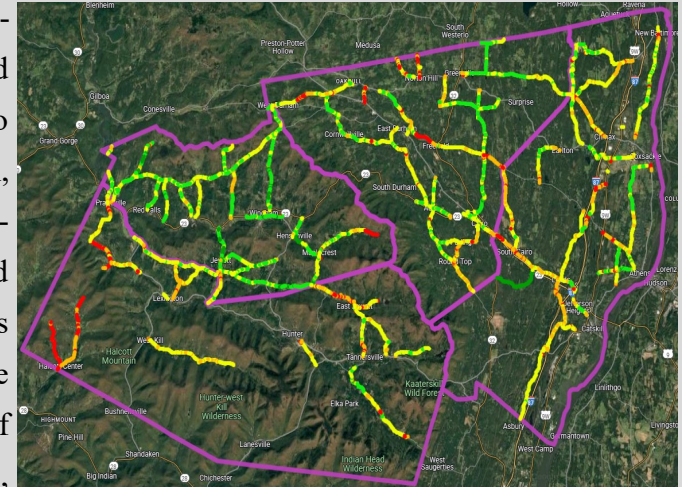
NYS THRUWAY in Greene County

23.84 Miles

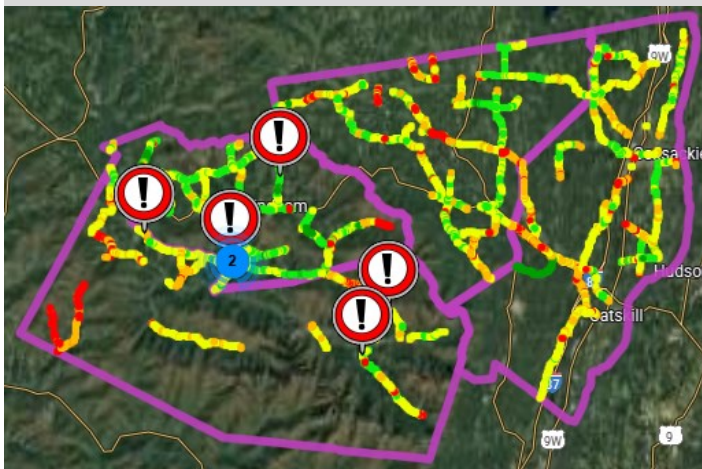
Source: NYS DOT Annual Certification of Local Highway Mileage

Roadway Management Technologies

In November of 2024, we partnered with Roadway Management Technologies to provide real-time pavement performance analytics. Photos and data are passively and objectively collected from hardware mounted on 21 county owned vehicles. This data is uploaded and translated into useful information and presented in a color-coded interactive map. Within the online platform, roads can be sorted and projects can be planned based on pre-defined criteria for various treatment types and surface conditions. The performance of a treatment is constantly evaluated and compared to its expected service life and the performance of similar completed treatments. This data helps ensure that the most efficient, cost effective treatments are being applied before more expensive rehabilitation methods are needed. With an estimated network value in excess of \$41,000,000, it is imperative that we have the data to use the right treatment, on the right roads, at the right time.



Another benefit of the program is asset recognition. The cameras are able to recognize assets such as guiderail and signage. This is especially important in regards to signage. With an estimated 10,000 signs on County roads, the program will not only recognize the type of sign, but also geo-locate each sign on the interactive map. Once signs are recognized and inventoried, if a camera equipped vehicle passes a location where a sign was previously located, and that sign is now missing, an alert is sent that a sign is missing at that location.

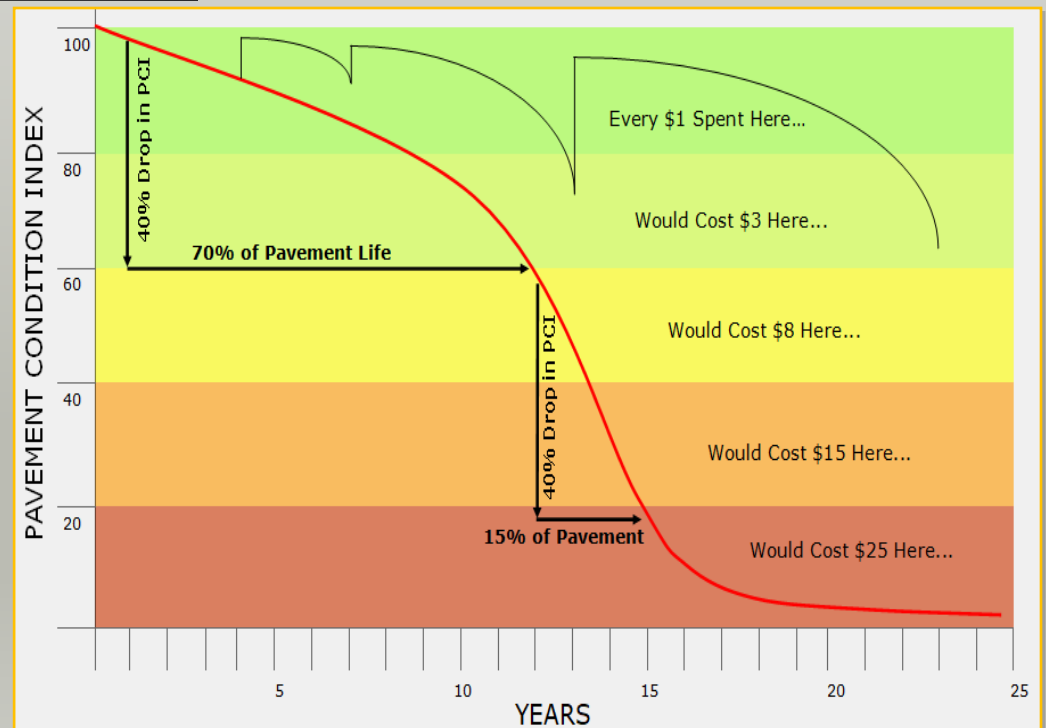


The software also contains a Work Order Management program. In the past, tasks were sent to building supervisors by way of fax. It became difficult to track what had been completed, by whom, if anything at all. This system allows for real-time tracking and record keeping of every task or complaint received. Complaints are received and input by our office staff and the program immediately notifies the proper building supervisor via text message. The clickable icons on the interactive map bring the supervisors to the individual, detailed complaint. From this point, notes can be created updating progress as well as a section devoted to tracking man hours, equipment and materials. All of the information is saved, creating a searchable database of what has been done in a particular area over time



The graph to the left shows the current condition of county owned roads. 86% of the network is in fair or better condition with 43% 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.

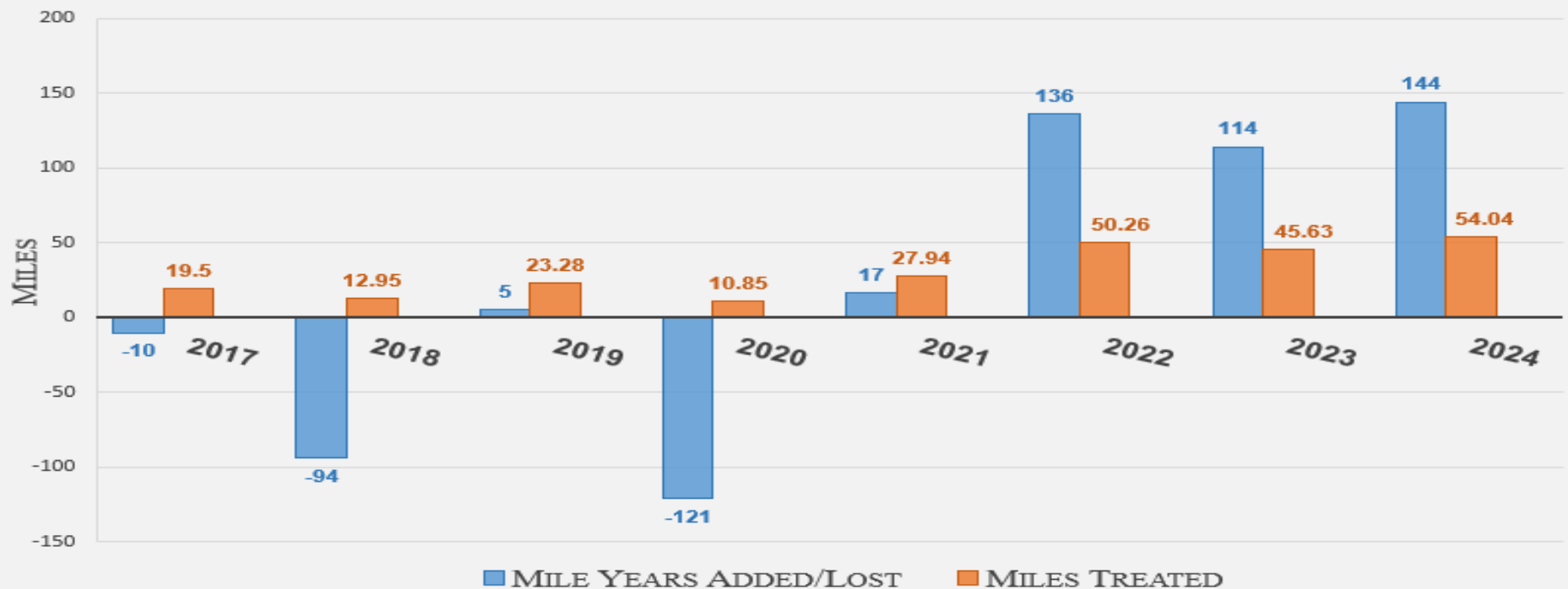
The chart on the right illustrates a typical pavement deterioration curve. As pavement ages, it begins to rapidly deteriorate between years 10 and 15. Preservation techniques have been shown to drastically flatten this curve, at a fraction of the cost of waiting until the pavement has failed. By optimizing 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 life extension for the pavement, 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 261.43 miles of road. Meaning that if we don’t add 261.43 years of service life annually, the network is in decline. It would take approximately 20 miles of two inch overlay to reach 261.43 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.

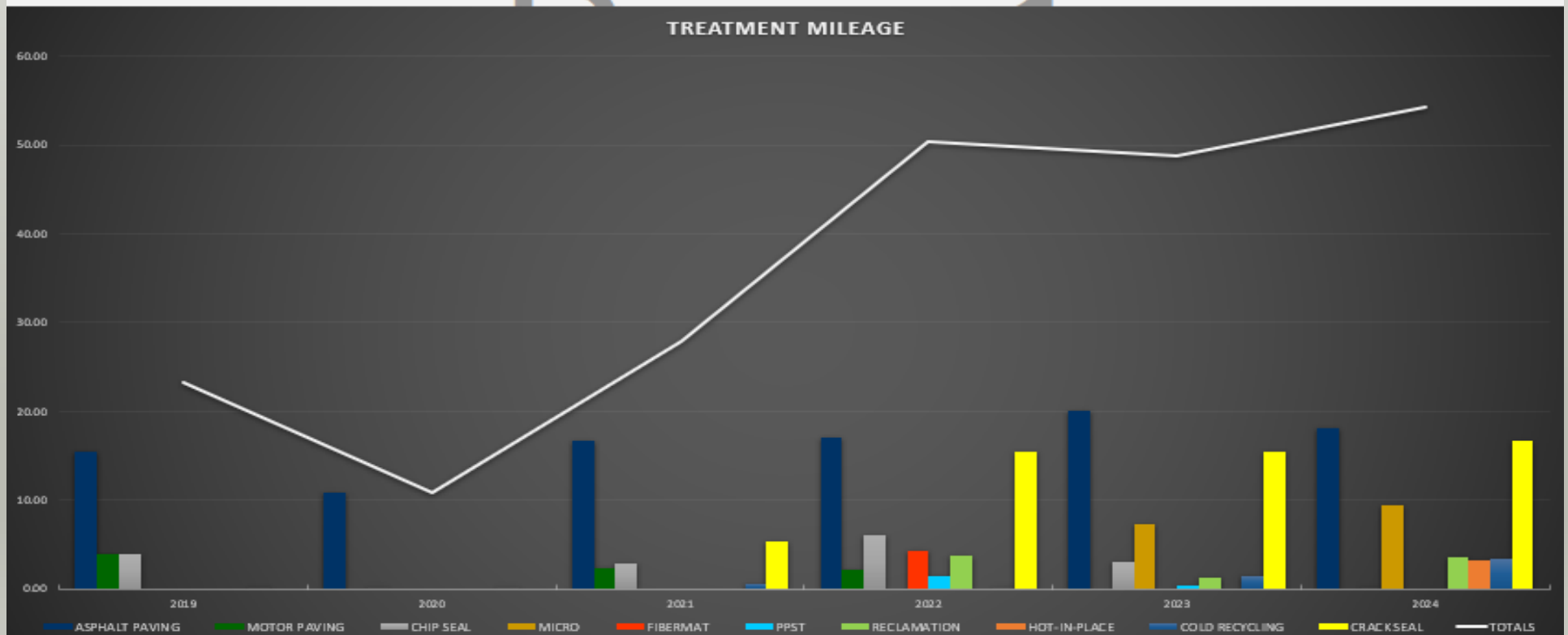
The graph below represent mile years added/lost, in relation to our network mileage, as well as total mileage treated. In 2024, our treatments totaled 54.04 centerline miles, 406 mile years of life, resulting in a gain of 144 mile years. .

Mile Years Added/Lost

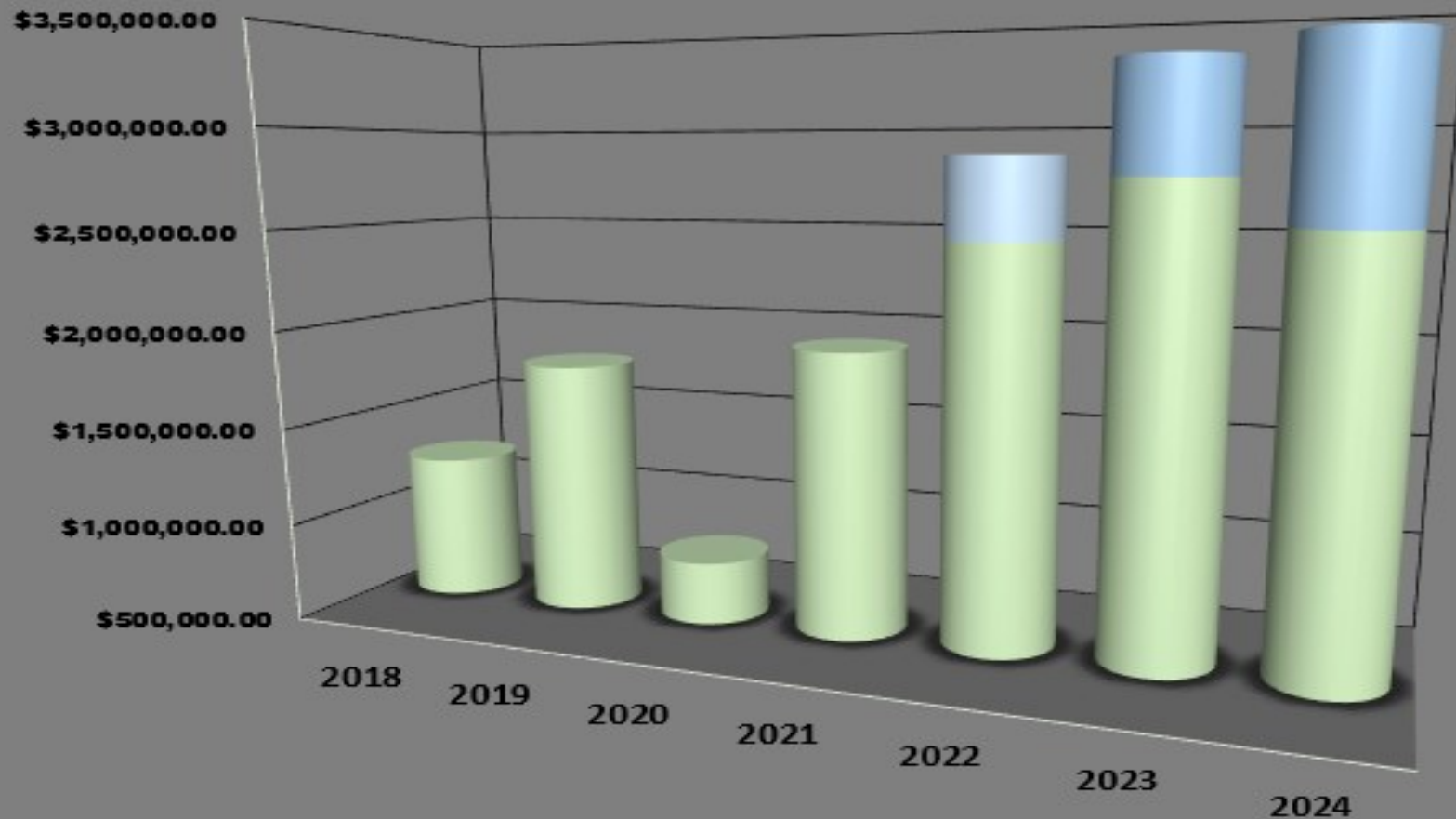


Pavement Treatment Summary

TREATMENT	2019	2020	2021	2022	2023	2024
ASPHALT PAVING	15.50	10.85	16.65	17.12	19.97	18.06
MOTOR PAVING	3.89	0.00	2.41	2.20	0.00	0.00
CHIP SEAL	3.89	0.00	2.94	6.07	3.06	0.00
FIBERMAT	0.00	0.00	0.00	4.30	0.00	0.00
MICRO	0.00	0.00	0.00	0.00	7.21	9.37
PPST	0.00	0.00	0.00	1.38	0.34	0.00
RECLAMATION	0.00	0.00	0.00	3.81	1.25	3.57
HOT-IN-PLACE	0.00	0.00	0.00	0.00	0.00	3.16
COLD RECYCLING	0.00	0.00	0.60	0.00	1.51	3.45
CRACK SEAL	0.00	0.00	5.34	15.50	15.38	16.65



Annual Road Maintenance Money



Since 2022, there has been a concerted effort to implement more preservation techniques.
In-place paving prices have increased over 50% since 2021.

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

2024 Completed Paving List

Road Name	Region	Town	From	To	Width (feet)	Length (miles)	ID ²	US Tons
CR. 2	Mountain	Lexington	New Culvert	CR 3	21.0	1.66	20451.20	3,329.39
CR. 13A	Mountain	Lexington	SR 23A	SR 42	25.0	0.45	6600.00	534.37
CR. 14	Mountain	Jewett	CR 77	New Culvert	20.0	0.95	11146.67	1,574.97
CR. 19	Mountain	Ashland	SR 23	Steinmetz Rd.	21.0	1.49	18356.80	1,710.67
CR. 20	Valley	Durham	Jennings Rd.	Eddison Timmerman	21.0	1.67	20574.40	2,316.95
CR 23B	Valley	Catskill	Thruway Bridge	Leeds Fire	25.0	0.63	9240.00	1,004.92
CR. 25	Mountain	Hunter	SR 23A	Hathaway Trail	21.0	1.53	18849.60	2,600.02
CR. 26	Valley	Greenville	Scutt Rd	Honey Hollow	21.0	2.00	24640.00	1,596.89
CR. 41	Valley	Cairo	Drake Hill	CR 35	21.0	1.55	19096.00	2,608.49
CR. 45	Valley	Coxsackie	SR 81	Halsted Dr.	21.0	1.38	17001.60	2,263.89
CR. 49	Valley	Athens	Sandy Plains Rd	Valley Rd	21.0	2.06	25379.20	2,279.64
CR. 65	Mountain	Windham	65A	296	22.0	0.14	0.00	250.00
CR. 67	Valley	Durham	SR 81	Box 5088	21.0	1.45	17864.00	2,212.44
CR. 77	Mountain	Jewett	CR 14	CR 23C	21.0	1.10	13552.00	2,315.72
					Grand Total	18.06	222,751.47	26,598.36

2024 FEDERAL & STATE AID PROJECT SUMMARY

<u>BIN / PIN</u>	<u>PROJECT DESCRIPTION</u>	<u>FUND APPROPRIATION</u>	<u>CONTRACT COST</u>
BIN 3302860 PIN 1761.92 (Federal Aid)	CR 40 Over the Batavia Kill Engineering - Barton & Loguidice, D.P.C. ROW Incidentals - Barton & Loguidice, D.P.C.	Project 124	(2022 & On Going) \$316,137.00 <u>\$57,627.00</u> \$373,764.00
BIN 3302910 PIN 1761.91 (Federal Aid)	CR 61 Over the Cossackie Creek Engineering - Creighton Manning, LLP. ROW Incidentals - Creighton Manning, LLP.	Project 125	(2022 & On Going) \$326,666.00 <u>\$36,103.00</u> \$362,769.00
CIN 03-00-285-HAL PIN 1762.66 (Bridge/Culvert NY)	CR-03 Over the West Settlement Creek Engineering - Creighton Manning, LLP.	Project 141	(2024 & On Going) \$259,630.00
B-24-CP-NY-1650 (HUD Grant)	CR-23B Rehabilitation of Main Street, Leeds Engineering - Barton & Loguidice, D.P.C.	Project 155	(2024 & On Going) \$378,562.00

2024 SWSMP GRANT WITH SOIL & WATER PROJECT SUMMARY

<u>SWSMP #</u>	<u>PROJECT DESCRIPTION</u>	<u>FUND APPROPRIATION</u>	<u>CONTRACT COST</u>
#2021-23-002	CR-02 Culvert over Trib. of Schoharie Creek	D5112.2160	(2021 - 2024)
	Construction - Advanced Enterprise		\$412,552.00
	Construction - Evergreen Mountain (Live Staking)		<u>\$29,250.00</u>
			\$441,802.00 (Final)
#2024-29-002	CR-23C Culvert over Town House Brook	D5112.2160	(2023 - 2024)
	R.O.W. - Creighton Manning LLP.		\$4,948.75
	Material		\$177,667.39
	Construction - A. Colarusso & Son, Inc.		\$179,824.00
	Construction - Litchko Construction, Inc.		<u>\$2,550.00</u>
			\$364,990.14 (Final)

2024 CATSKILL WATERSHED CORPORATION GRANT SUMMARY

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

Background - Construction of CR-01 Bridge - Halcott

2024 LOCAL FUNDED PROJECT SUMMARY

<u>LOCATION/ BIN / CIN</u>	<u>PROJECT DESCRIPTION</u>	<u>FUND APPROPRIATION</u>	<u>CONTRACT COST</u>
BIN 3372060 Cairo/Greenville	CR-67 Culvert over Jan deBakkers Kill Engineering - H&T Engineering, PLLC. Construction - Wm J. Keller & Son Construction Corp. Construction - Litchko Construction Inc. Materials	D5112.2160	(2023 - 2024) \$26,064.00 \$535,970.17 \$4,080.00 <u>\$313,552.91</u> \$879,667.08 (Final)
Catskill	CR-23B Crosswalk Installation - Jefferson Heights Engineering - Creighton Manning, LLP Construction - Town and County Bridge and Rail	D5112.2160	(2023 - 2024) \$5,000.00 <u>\$17,528.36</u> \$22,528.26 (Final)
BIN 3303051 Hunter	CR-83 over Schoharie Creek Flagpole Replacement Construction - Town and County Bridge and Rail Material	D5112.2140	(2024) \$3,684.00 <u>\$3,450.00</u> \$7,134.00 (Final)
Cairo	CR-23B Curbing Repair at Fountain - Main Street Construction - Town and County Bridge and Rail	Res No. 236-24	(2024) \$6,685.00 (Final)
BIN 3303080 Durham	CR-67 Bridge over Catskill Creek Joint Repair Construction - Town and County Bridge and Rail	D5112.2160	(2024) \$58,365.47 (Final)
New Baltimore	CR-61 Slope Failure (2 Locations) Engineering - CDM Smith, Inc.	Project 162	(2024 & On Going) \$99,500.00

12/14/2021

Background - Platte Clove Road over Plattekill Creek Bridge - Hunter

2024 LOCAL FUNDED PROJECT SUMMARY

(continued)

<u>LOCATION/ BIN / CIN</u>	<u>PROJECT DESCRIPTION</u>	<u>FUND APPROPRIATION</u>	<u>CONTRACT COST</u>
Catskill	CR-23B Slope Stabilization & Sidewalk Repair Engineering - CDM Smith, Inc.	D5112.2140	(2024 & On Going) \$293,684.00
Cairo	CR-23B Driver Feedback Signs - Cairo Elementary Engineering - Creighton Manning Engineering, LLP	D5112.2160	(2024 & On Going) \$6,300.00
County Routes 02, 06, 20	Guide Rail Repair/Replacement Program Material - Town and County Bridge and Rail Construction - Litchko Construction	D5110.4056	(2024) \$10,741.63 \$4,717.50 \$15,459.13 (Final)
All County Roads	Roadside Vegetation Management Program (Guide Rail Spraying) Post Emergent/Knotweed Summer & Pre Emergent Fall Treatments Construction - Chase Enterprise	D5112.2140	(2024) \$27,261.50 (Final)
Catskill, Durham, New Baltimore	Silane Sealer Treatment of Concrete Bridge Decks (5 Year Cycle) Construction - Town and County Bridge and Rail	D5112.2160	(2024) \$35,471.13 (Final)
Durham	Gabion Basket Wall Repair - CR-20, Durham Constructed by Greene County Material - Chemung Supply Corp.	D5112.2140	(2024) \$6,400.00 (Final)

Background - Gabion wall repair, CR-20 - Durham

Bridge Structural Flags

New York State Department of Transportation administers an annual or biannual 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 2024, there were a total of 8 Structural Flags. The Red Flag was received for scour along the footings of the Falke Road bridge in Lexington caused by heavy rains, which will be repaired in the upcoming construction season. Of the active Yellow Flags, 6 of them are on structures that are currently on the STIP for replacement or rehabilitation.

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

YEAR	RED	YELLOW
2024	1	7
2023	0	6
2022	0	6
2021	3	8
2020	1	4

Background - New CR-67 Road Bridge - Cairo/Greenville

Bridge Condition Rating

The "General Recommendation" plays a crucial role in the NYSDOT bridge inspection process. It serves as a summary assessment that inspectors provide after evaluating a bridge's condition. This recommendation is based on detailed inspections of various bridge components, such as the deck, superstructure, and substructure, as well as an evaluation of factors like structural integrity, load capacity, and potential vulnerabilities. The rating system uses a 1-7 numerical scale, with 1 being the worst.

7 - The bridge is in new condition, without deterioration.

6 - Only minor deterioration is present.

5 - Primary members and substructures are in good condition and do not need major repairs.

4 - Moderate deterioration of primaries, secondaries, and substructures has occurred, but bridge load capacity is not substantially reduced.

3 - Considerable deterioration of some or all bridge components. The bridge may no longer be able to support original design loads.

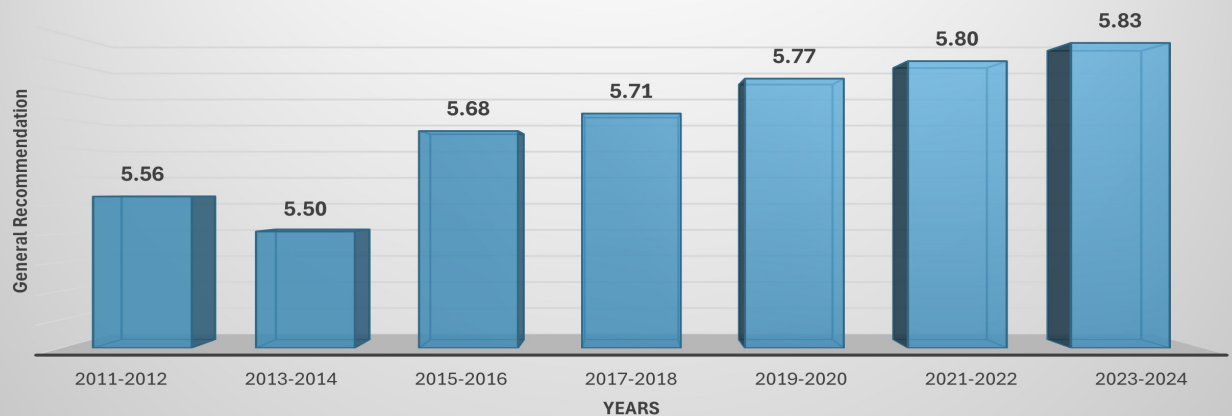
2 - Most bridge components are in poor condition. The bridge can no longer safely carry original design loads.

1 - Deterioration is so extensive that partial or total collapse is imminent.

Greene County owns and maintains 137 bridges. We currently have ten bridges listed with a General Recommendation of 4 and three bridges with a General Recommendation of 3. Of these structures, seven of them are currently on a funding program and slated for rehabilitation or replacement.

All bridges in Greene county are inspected on a biannual basis by NYSDOT. The graph to the right shows the General Recommendation for all bridges, has trended upward. These numbers are an average of all 137 bridges that have been inspected since 2011, and shows Greene County's commitment to improving the safety of our critical infrastructure throughout the county.

Average General Recommendation - All County Bridges



2024 Sign Program

The Greene County Highway Sign Department is responsible for over 10,000 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 2024, the Sign Department completed the following:

- * 132 Signs Repaired/Replaced (Accidents, etc.)
- * 22 Detours installed and maintained
- * 20 Pavement Cuts for Catch Basin Replacement (IDA Park)
- * Crosswalks, Stop-Bars, & Turning Arrows Repainted
- * New Crosswalk on 23B in Jefferson Heights
- * 3 new Handicaps Parking Signs at Catskill Point
- * New Speed Limit Signs, Town of Ashland
- * New Signage at Catskill Transfer Station
- * 75 Underground Utility Call-Ins
- * 66 pavement cuts for pipe excavation
- * 150.77 Miles of centerline marking
- * 252.88 Miles of edge line marking
- * Voting Machines Delivered/Picked up
- * Fence Post and Animal Pen Installed at Youth Fair

CR-67 over the Jan deBakkers Kill - Cairo/Greenville



The original structure carrying CR-67 over the Jan deBakkers Kill was a jack-arch style bridge. In April of 2023 Greene County Engineering staff reduced it to one lane of traffic and engaged H&T Engineering to design a replacement. The replacement structure, constructed in the summer of 2024 by Wm. J. Keller & Sons has a 43-foot span, using pre-cast voided slabs on spread footings. The new bridge has greatly increased hydraulic capacity and was opened to traffic on October 10, 2024.

CR-23C over the Town House Brook - Town of Jewett



Work to replace the culvert carrying CR-23C over the Town house Brook began in late June of 2024. The existing pipe was undersized and replaced with a 14' wide x 5' high precast concrete box culvert. The work, completed in early August was managed by the Greene County Highway Department and partially funded through a grant with Greene County Soil & Water. The designer was Creighton Manning Engineering and the contractor was A. Colarusso & Son, Inc., who also donated time and material to the town of Jewett to create a new Veteran's Memorial across from the town hall.



CR-01 over West Settlement Creek Culvert Replacement - Town of Halcott



The existing jack-arch style structure carrying CR-01 over the West Settlement Creek in the town of Halcott was identified in a Local Flood Analysis as being undersized and susceptible to overtopping during heavy rain events. In 2022 the Greene County Highway Department applied for a funding grant with the Catskill Watershed Corporation for design and construction of a replacement structure. Design was done by Creighton Manning Engineering and construction, by A. Colarusso & Son, began in August of 2024 and carried on through December. The new bridge was opened to traffic in early January as construction concluded for the season. Work will resume on the bridge in May of 2025 and is expected to be complete by June of 2025.



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	22 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	22 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	22 Int'l HX520 SFA 6x4 Tandem w/Plow
08		88-40	88 Int'l S1600 Sign/Rack Truck	22-74	22 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	22 Int'l HV507 Single Axle 4wd w/Plow
06-10	06 Ford Expedition	42		22-76	22 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	22 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	22 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	24-46	24 Freightliner 108SD Single Axle w/Plow	07-80	07 Freightliner 55-ft. Bucket Truck
24-15	24 Chevrolet Silverado	03-47	02 Int'l Tandem Axle w/plow	01-81	01 Int'l Altec + F11 65-ft. Bucket Truck
24-16	24 Chevrolet Silverado	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	Int'l HX520 SFA 6x4 Tandem w/Plow	88-90	88 Oshkosh Single Axle w/Plow & sander
17-25	17 Dodge Ram 5500 Dump w/plow	57	Int'l HX520 SFA 6x4 Tandem w/Plow	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	24 Freightliner 106 Single Axle 4wd w/Plow	01-60	01 International 2574 Sige Axle	05-94	05 Int'l Paystar 4x4 Truck w/plow
29	24 Freightliner 106 Single Axle 4wd w/Plow	61		95	
30	24 Freightliner 106 Single Axle 4wd w/Plow	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	Case 650G Dozer, 80 hp. 2.2cy.	22-E82	BANDIT Intimidator 12X - Brush Bandit
19-E12	John Deere 544K Loader	22-E83	BANDIT Intimidator 12X - Brush Bandit
87-E16	Mastercraft Forklift	00-E85	Case 590 Super L Backhoe
25-E17	Caterpillar 926 High Lift Wheel Loader	01-E87	Ingersoll-Rand DD110 Double Drum Roller / 120 hp.
25-E18	Caterpillar 926 High Lift Wheel Loader	98-E91	Vermeer 1230A Chipper 4 cy. / 86 hp.
21-E21	John Deere 6110M Tractor w/Rotary & Flail Mower	02-E96	Case 590 Backhoe 4cyl. / 99 hp.
18-E22	John Deere 6110M Tractor w/Rotary Boom Mower	80-E108	Hauck Steam Culvert Thawer
20-E23	BOMAG BW 120 SL -5 Vibratory Roller	83-E111	Sullair Air Comp. 68 hp., 185 cfm.
20-E24	BOMAG BW 120 SL -5 Vibratory Roller	88-E112	Sullair Air Comp. 78 hp., 185 cfm.
22-E25	BOMAG BW 120 SL -5 Vibratory Roller	07-E115	Caterpillar 314C Excavator Track
22-E26	BOMAG BW 120 SL -5 Vibratory Roller	24-E116	Caterpillar 308 Excavator Track
03-E35	Broce Broom RJ350 Street Sweeper 80 hp.	89-E120	Caterpillar Grader 120 hp.
15-E40	John Deere 5085M Tractor w/ Side Flail Mower		
17-E41	John Deere 5085M Tractor w/ Side & Rear Flail Mower		
22-E42	John Deere 5090E Tractor w/ Side & Rear Flail Mower		<u>TRAILERS</u>
22-E43	John Deere 5090E Tractor w/ Side & Rear Flail Mower	99-07T	Trail King 20-Ton Tag Trailer
91-E45	Rexworks SP-910B Roller	24-21T	Cam Superline 7ton Split-Tilt
99-E53	Gradall G3WD / 8cy. / 190 hp.	24-22T	Cam Superline 7ton Split-Tilt
19-E68	John Deere 544K Loader	23-23T	Cam Superline 7ton Split-Tilt
21-E70	T66 Bobcat Compact Track Loader	23-24T	Cam Superline 7ton Split-Tilt
24-E71	T66 Bobcat Compact Track Loader	00-25T	Big Tex Single Axle Trailer
97-E72	Gradall G3WD / 8cy. / 190 hp.	00-87T	Talbert 35-Ton Lowboy
07-E73	Gradall XL-3100	22-88T	Felling 35-Ton Lowboy
94-E74	Gradall XL-4100 8 cy. / 145 hp.	02-89T	Dump Trailer
20-E80	MORBARK Eager Beaver 1215 Chipper		
20-E81	MORBARK Eager Beaver 1215 Chipper		

New Highway Trucks & Equipment



2 - International HX 520 Tandem Axle - Bldg. 2



3 - Freightliner 106 Single Axle 4wd - Bldg. 3,4 & 5



Bobcat T66 Track Loader - Countywide



Freightliner 108 Single Axle—Bldg. 2



Caterpillar 308 Excavator - Countywide



2 - Caterpillar 926M Wheel Loader - Bldg. 3 & 4

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/Hunter), 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

Background - Residential Drop-Off Building, Catskill Transfer Station

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

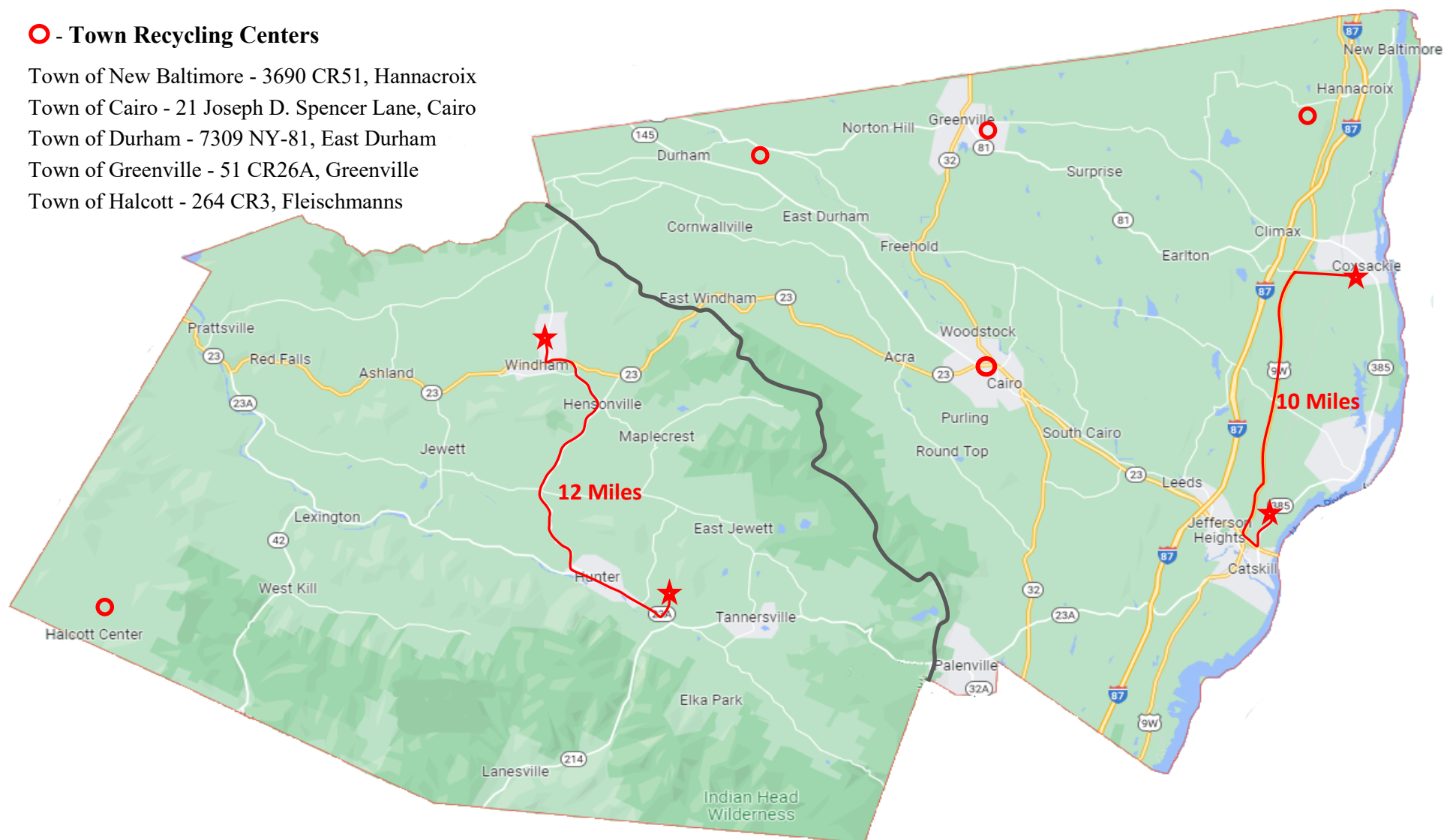
Town of New Baltimore - 3690 CR51, Hannacroix

Town of Cairo - 21 Joseph D. Spencer Lane, Cairo

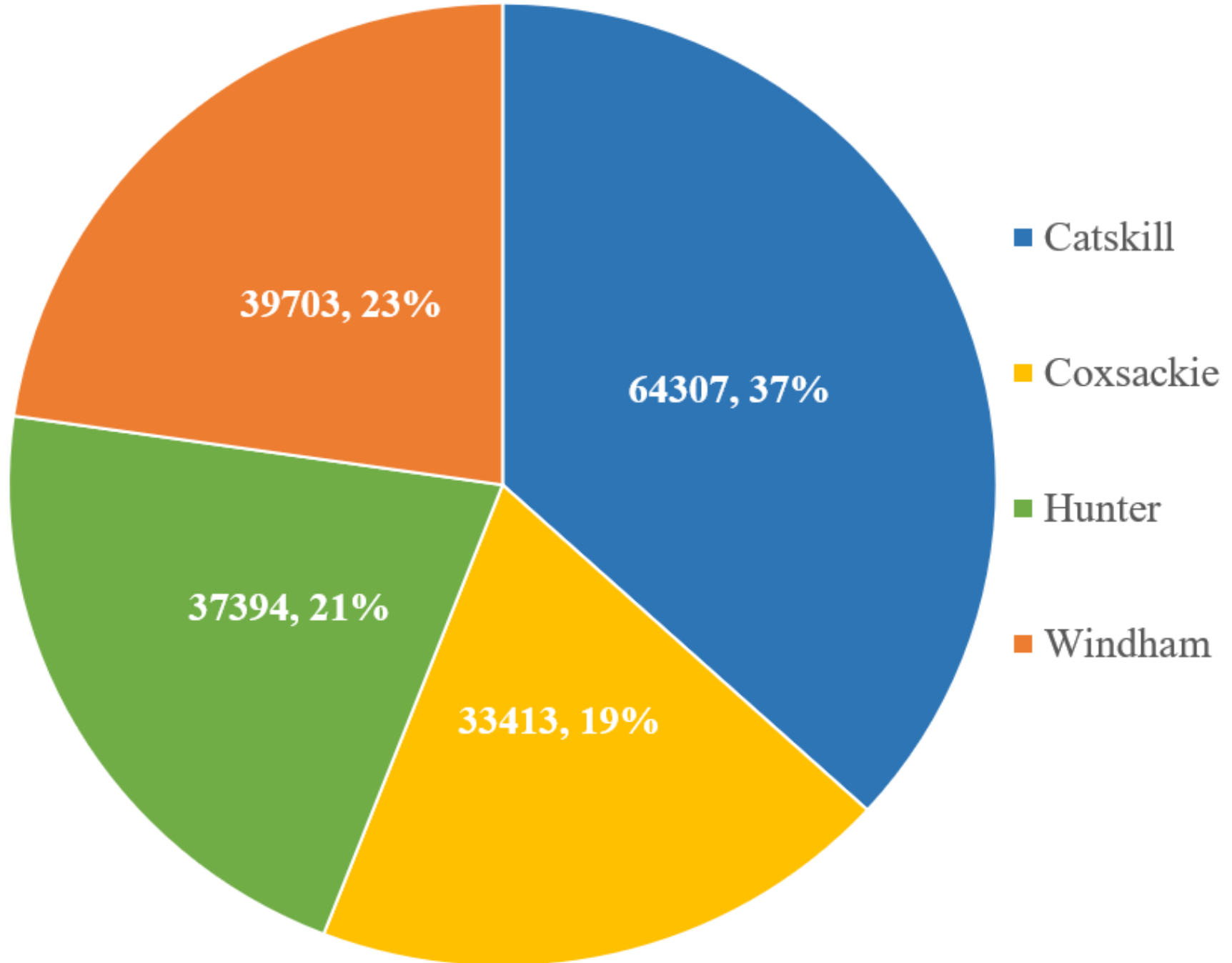
Town of Durham - 7309 NY-81, East Durham

Town of Greenville - 51 CR26A, Greenville

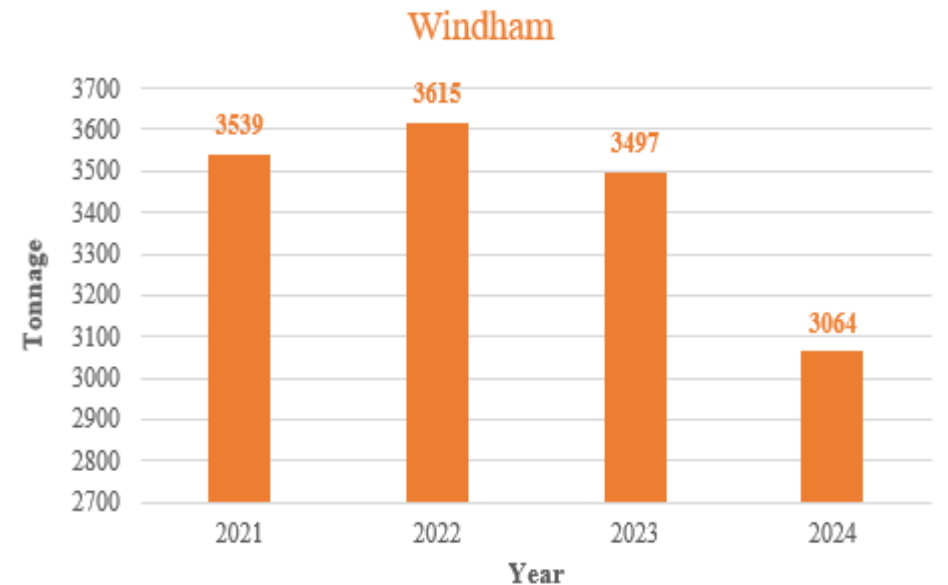
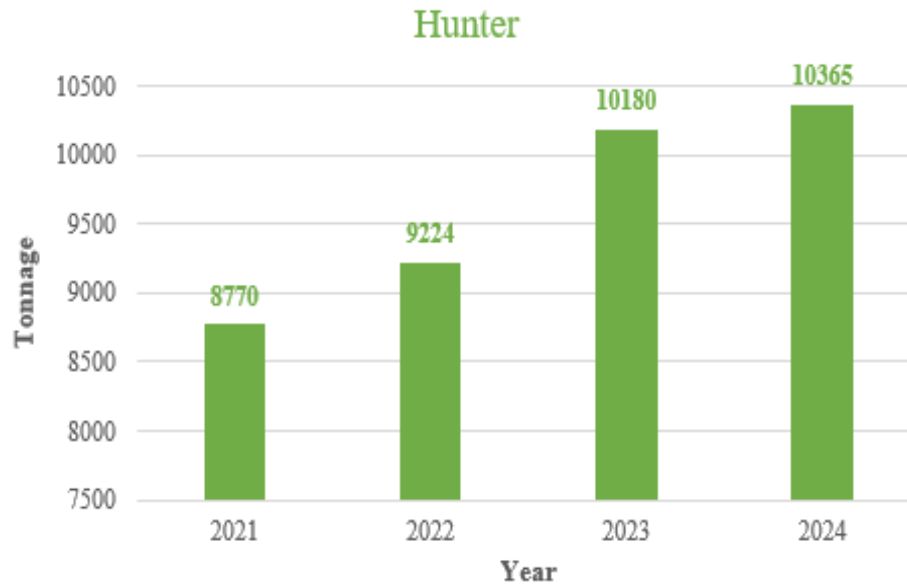
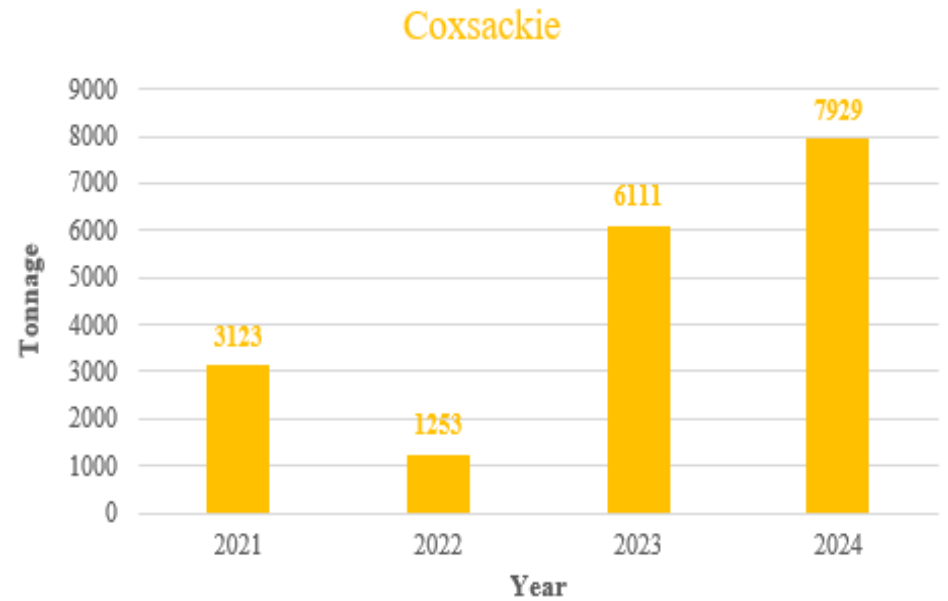
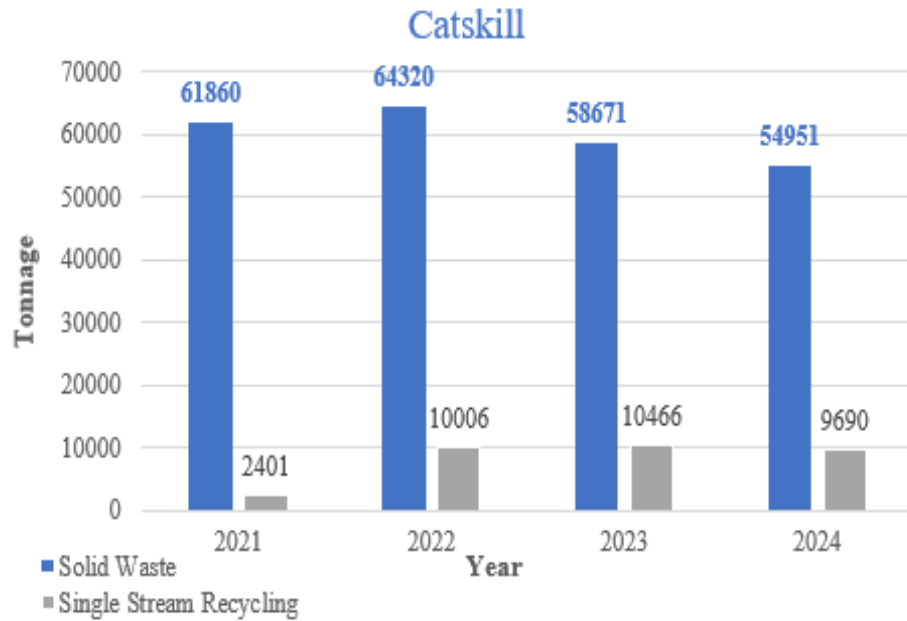
Town of Halcott - 264 CR3, Fleischmanns



Solid Waste Customers by Locations



Solid Waste Volume by Locations



2024 Solid Waste Capital Improvement Project Summary

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

Engineering - Barton & Loguidice, D.P.C.	\$169,250.00
Construction - Wm. J. Keller & Sons Construction Corp.	\$1,305,000.00
Electrical - CDE Electric Co., Inc.	<u>\$ 79,950.00</u>
	\$1,554,200.00

Greene County Solid Waste Consultant Services

Engineering - Barton & Loguidice, D.P.C.	<u>\$40,000.00</u>
	\$40,000.00

Background - New Residential Drop-Off, Catskill Transfer Station

Catskill Transfer Station Residential Drop-Off



With increased residential drop-off customers from 2020-2023, capacity, traffic flow, and customer safety concerns prompted a redesign of the residential drop-off area at the Catskill Transfer Station. Barton & Loguidice Engineers were hired to design a new building for recycling and bagged garbage. Traffic flow, parking, and access were all improved, and received a positive response from customers. A new attendant station, conversion of the former drop-off building to a food waste composter enclosure, and replacement of the main tipping floor were all completed as part of this project. Construction was completed by Wm. J. Keller & Sons.



2024 Solid Waste Vehicle and Equipment List

VEHICLES

<u>ID #</u>	<u>YEAR</u>	<u>MAKE</u>	<u>MODEL</u>
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-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
SW-22	2012	Capacity	Yard Tractor
SW-23	2012	Ottawa	Yard Tractor

Equipment

New 2024 CAT 920 Loader



<u>ID #</u>	<u>YEAR</u>	<u>MAKE</u>	<u>DESCRIPTION</u>
SW-T66	2022	Bobcat	Skid Steer Loader
SW-444P	2023	John Deere	Loader
SW-415	2024	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
SW-920	2024	Caterpillar	Loader

New 2024 CAT 415 Backhoe

