

# *GREENE COUNTY HIGHWAY DEPARTMENT & SOLID WASTE*



**Slater Road  
Bridge over the  
Batavia Kill, in  
the Hamlet of  
Maplecrest, Town  
of Windham.**

**Gary R. Harvey L.S.  
Superintendent**

**2014  
ANNUAL REPORT**

**Robert Van Valkenburg  
Deputy Superintendent**



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**Greene County  
Highway Department**

240 West Main Street  
Post Office Box 485  
Catskill, New York 12414

Gary R. Harvey, L.S.  
Superintendent

Robert J. Van Valkenburg  
Deputy Superintendent

Greene County Legislature  
411 Main Street  
Catskill, NY 12414

Dear Legislators:

I am pleased to present the Greene County Highway Department Annual Report for the year of 2014.

Once again, the entire Highway Department, including road crews, mechanics, supervisors, administrative staff and the engineering division have done an excellent job of handling our departmental responsibilities, large and small.

The Highway Department is responsible for 262.5 centerline miles of roadway and 135 bridges. During 2014 we were able to address the needs of 19 miles of roadway with asphalt paving, and chip sealing. We were also able to replace one bridge, and rehabilitate another, under our Miscellaneous Bridge Program. Details of these and other projects are included in the report.

Currently, approximately 15% of our bridges are considered “deficient”, which is well below the NY state average of 39%. The term “deficient” does not mean the bridge is unsafe, rather that the bridge is not functioning as it was originally designed. Some of these bridges are old and outdated. They were not built to handle today’s traffic, and loads. Regarding pavement condition, currently 41% (109 miles) of roadway is now rated fair or worse, with distress frequent or severe. This is just below the state average for local roads. Given the current cost of road maintenance, and our limited funding, we continue to lose ground on our Pavement Maintenance Program.

During 2014 we were also working on nine (9) federal and state funded (HBP) capital projects, with four (4) in the construction phase and the others in the design phase. The total current cost of these projects is approximately \$8.2 million, of which, 80% is reimbursed by the federal government, and 15% by the State of New York, with the local share being 5%.

Once again, we were able to take full advantage of the CHIPS (Consolidated Highway Improvement Program) Program by utilizing the maximum funds allocated for Greene County. This included an additional Extreme Winter Recovery Appropriation of \$151,199 this year, for a total of \$1,852,938.

Regarding snow and ice control, which is an important and large part of our responsibilities as a department, 2014 proved to be a long, harsh winter, with above average snowfall, and below normal temperatures. Our workforce

responded well working long hours under the worst of conditions, in order to meet the expectation of safe driving conditions for emergency responders, and the traveling public.

During 2014, we also continued to work steadily with FEMA and the NY State Office of Emergency Management, to close out the remaining projects from the devastating effects of Hurricane Irene. An itemized breakdown of the total projects cost, with the reimbursements to date, and the anticipated balance, is included in the report.

In 2008 in an effort to improve safety on the nation's roadway, the Federal Highway Administration, adopted new traffic sign retro-reflectivity requirements. Under our current sign replacement program, we will be replacing all signs that do not meet the requirements over the next several years. In total, we are responsible for over 15,000 road signs.

Our equipment is a key element in all of the work we do and the increasing age of our fleet is a continuing concern. The majority of our fleet was purchased either prior to or through the equipment bond that was issued in 2000. In recent years, our Garage Manager and mechanics have focused on work that would reasonably extend the service life of our existing units, particularly heavy trucks, and dedicated snowplows and have now maximized the benefits of those efforts. This year, utilizing the accumulating funding reserved for equipment replacement we replaced five small vehicles that were in poor condition. We also auctioned off multiple items that were beyond reasonable repair and traded two others for two used Gradalls. Late in the year we began to revise and reprioritize our equipment plan, and will be replacing several more items in 2015. However, given the size and condition of our fleet, the significant cost of replacement vehicles and equipment, and the fact that so many pieces are reaching the end of their reasonable usefulness at the same time, it is clear that additional funding for equipment replacement will be required in coming years.

2014 was another busy and productive year for the Greene County Highway Department. The following report gives details of many projects, both large and small that were completed throughout the year. These are challenging times, with the increased demands for service, escalating costs of doing our work, and limited funding resources, our mission to efficiently maintain our roads and bridges for the efficient and safe use of the traveling public, is becoming increasingly difficult to carry out. We look forward to working with each of you to fulfill our commitment to provide a reliable, safe, and well maintained transportation system. Once again, I would like to thank the Highway Committee, chaired by Jim Hitchcock, and you the Legislature, for your continued support, without it, our accomplishments would not be possible.

Respectfully Submitted,



Gary R. Harvey, L.S.  
County Highway Superintendent





Greene County Legislature  
411 Main Street  
Catskill, NY 12414

Dear Legislators:

**Greene County  
Solid Waste**

240 West Main Street  
PO Box 485  
Catskill, New York 12414

**Robert J. Van Valkenburg**  
Superintendent

In 2014, Greene County's Solid Waste Management Program again operated at a record volume despite the difficult economic conditions. County Waste, the largest private hauler operating in the county executed a three year contract for disposal of waste through our system and several other haulers continued to utilize Catskill Transfer for disposal of Municipal Solid Waste (MSW) at our High Volume rate. We held our eighth annual Household Hazardous Waste Collection in June, and operated under the first year of a new three year contract for transportation and disposal with New England Waste Services.

Overall, the total tonnage of MSW and Construction and Demolition Debris (C&D) processed through the transfer station system increased approximately 2.5% to 51,407 tons. This compares with 50,122 tons in 2013, 50,014 tons in 2012 and 38,579 tons in 2011. Approximately 75% of the total volume or 38,610 tons of waste was accepted at the high volume tipping fee, compared with 38,212 tons in 2013 and 39,076 tons in 2012.

Prior to 2012 C&D was processed separately and shipped it to a different landfill with a lower disposal cost. Since 2012, and continuing under the new contract, with the decreased differential in disposal costs and the significant increase in tonnage being processed through Catskill Transfer this no longer made sense operationally or economically and the two waste streams were combined for handling and disposal. While difficult economic conditions continued to limit construction and therefore the amount of C&D generated in the county, MSW and C&D accepted for disposal at the regular tipping fee increased approximately 7.4 % to 12,797 tons compared with 11,910 tons in 2013 and 10,938 tons in 2012.

After completing the lengthy Request for Proposal process under NY General Municipal Law 120-W in late 2013 we implemented a new, three year contract for transportation and disposal services with New England Waste Services on January 1, 2014. This contract significantly reduces our transportation, disposal and fuel costs for three years and allows us the option to extend it for up to three (3) additional one (1) year terms providing it continues to be in the county's best interest. Additionally, the beneficial terms we negotiated have allowed us to continue to draw additional High Volume waste in to our system along with the resulting revenues. In March, we executed an agreement with County Waste which was retroactive back to January 1, 2014. The three year agreement will assure a consistent flow of waste into our system, helping to stabilize our volume and increase our annual revenues over the period. Several other haulers also continue to deliver a significant volume of waste to Catskill Transfer under the High Volume program



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The regular tipping fee for scaled waste at our transfer stations remained at \$105.00 per ton and the minimum scale charge at \$15.00. Fees for bagged waste and other items were also unchanged. Collection of receivables continued to require substantial attention due to general economic conditions. We continued assistance to the Towns of Greenville and Halcott, allowing acceptance of bagged waste at the town's recycling sites. At the request of the Town of New Baltimore we terminated our metal recycling services at the towns recycling site. We continued to provide services for cleanup days for most of the county's towns and villages and continued to support operations of Public Health's Needle Smart initiative. In 2014 we collected 1,484 pounds of used sharps from six kiosks and transported them to nursing homes for proper disposal.

Recycling markets and prices can be volatile and fluctuate with the demand for each commodity. We continued to seek the best price, or sometimes lowest cost available for each material, both through efforts of staff and use of a recyclables broker. Electronics recycling became increasingly difficult as markets struggled to manage the large volume of glass from Cathode Ray Tubes (CRT's) found in older TVs and computer monitors being recycled in accordance with the NYS Electronic Equipment Recycling and Reuse Law. We continued to accept electronics for recycling at no cost to residents, however with all the upheaval in the market we again had to change vendors and have had to take on more of the work to keep our costs down. Rather than the vendor picking up the material at each site as in the past, we are now required to transport the electronics accepted at each of the transfer stations to Catskill, sort them into five categories then package and load them into a trailer provided by the market.

Our staffing levels were unchanged in 2014 and our employees continued to do an outstanding job of handling the increased workload throughout the year. Many worked well beyond expectations to get the work done keeping pace with the increased tonnage. While the age of our vehicle and equipment fleet remains a concern, no vehicles or equipment were replaced this year due to financial concerns. This difficulty has been partially offset by several major repairs and overhauls completed in house by our Heavy Equipment Repairman. We continued to utilize a significant number of Community Service workers provided by Social Services and the Probation Department at each transfer station. The current Collective Bargaining Agreement with the Teamsters expired on December 31, 2012. Negotiations for a successor agreement which included mediation were ongoing throughout the year.

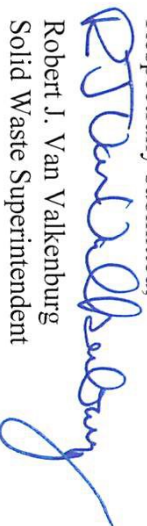
In June, we held our eighth Household Hazardous Waste Collection at the Highway Department facility in Athens. Public participation in this program remained strong. In excess of two tractor-trailer loads of household hazardous waste were collected and properly disposed of by the contractor, MXI Environmental. Solid Waste, Highway, and Sheriff's Departments each provided personnel and equipment for the event. The cost for the event was within budget at \$29,977.48 and is eligible for a 50% reimbursement under the NYS Household Hazardous Waste Assistance Program.



In 2014, our department again faced considerable challenges in our efforts to provide a full service solid waste management program. In addition to the proper disposal of all the MSW and C&D accepted at our transfer stations we provided management of other difficult wastes and recycling of a range of materials, some of which had little or even a negative market value. Each of our employees has willingly done whatever was required to efficiently complete the work and provide the services our county residents have come to expect. We recognize and are grateful for their hard work. We also acknowledge and appreciate the continuing support of the Public Works Committee chaired by Legislator Jim Hitchcock, the full Legislature, County Administrator, and other County Departments, in our efforts to continue to provide for the efficient and environmentally sound management of solid waste in Greene County.

As always, please feel free to contact me with any questions.

Respectfully submitted,

A handwritten signature in blue ink, appearing to read "R. J. Van Valkenburg", with a long, sweeping horizontal flourish extending to the right.

Robert J. Van Valkenburg  
Solid Waste Superintendent



## ***Mission Statement***

***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.***



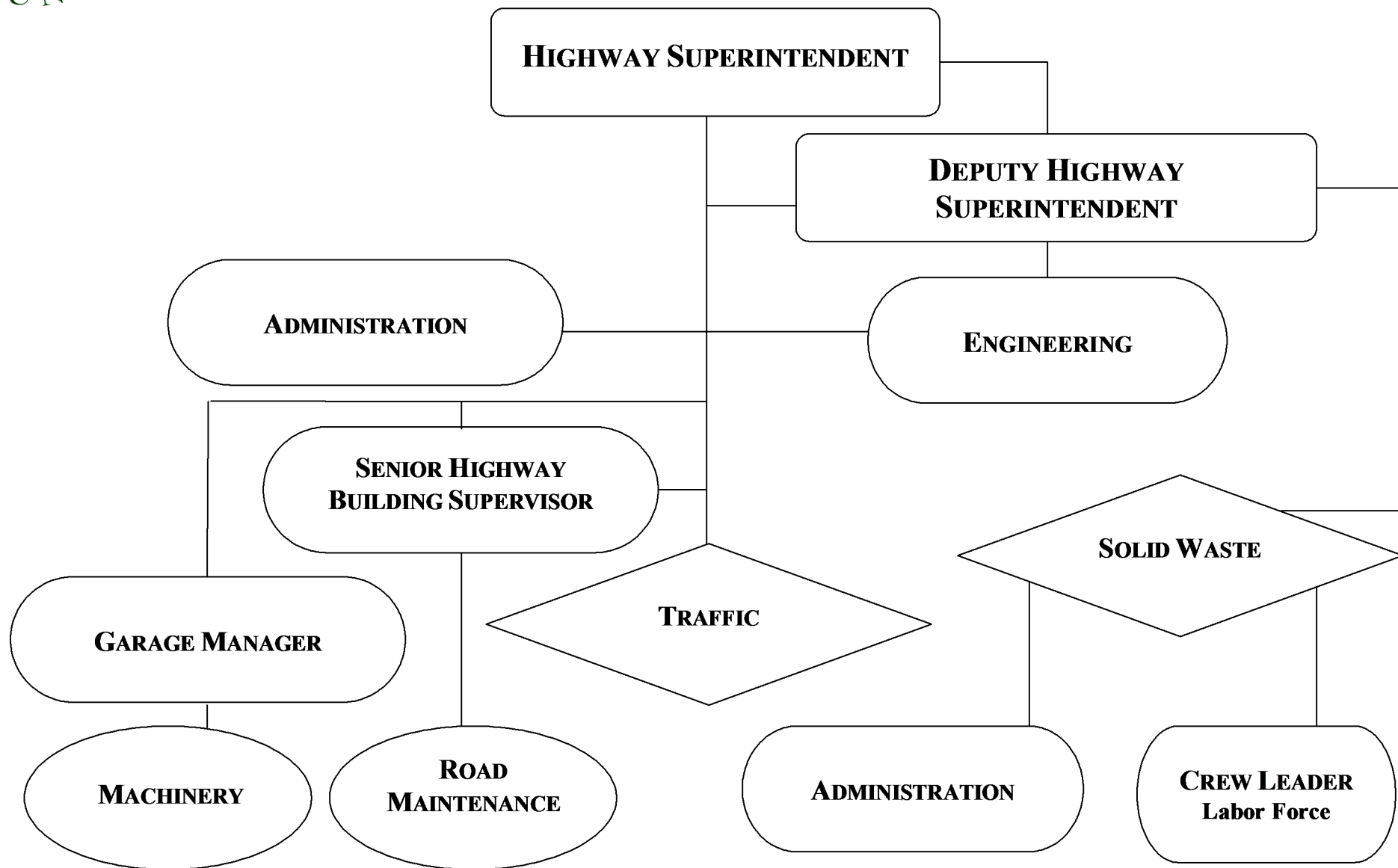


## ***Mission Statement***

***THE MISSION OF THE GREENE COUNTY SOLID WASTE DEPARTMENT IS TO ACCEPT AND EFFICIENTLY DISPOSE OF THE MUNICIPAL SOLID WASTE STREAM, INCLUDING CONSTRUCTION AND DEMOLITION DEBRIS, AND TO PROCESS AND MARKET THE SOURCE SEPARATED RECYCLABLES GENERATED BY THE COUNTY'S RESIDENTS AND BUSINESSES.***



# *Organizational Chart*







# *Classification of Highways*

Highways in New York State are divided in five classes under Chapter 25 of the Consolidated Laws.

1. **State Highways** are those constructed or improved under this Chapter at the sole expense of the State, including the highways specified and described in Sections 340 and 341 of this Chapter and acts amendatory thereof, including the highway heretofore classified or referred to as County Highways in this Chapter and heretofore constructed or improved at the joint expense of State, County and Town or State and County as heretofore provided by Law.
2. **Controlled Access Highways** are those State highways which are entirely or partly constructed, reconstructed or improved at a location where no public highway therefore existed and to and from which the owners or occupants of abutting property as pedestrians, as operators of vehicles or in any other capacity, excepting as such access may be reserved pursuant to the description and map of the property which has been or which thereafter shall be acquired in accordance with this Chapter for the purpose of such controlled access highways.
3. **State Thruways** are those highways specified and described in Section 349 of this Chapter, constructed, improved or reconstructed as provided in such section.
4. **County Roads** are those roads constructed, improved, maintained and repaired under Article 6 of this Chapter and roads constructed or improved under general or specific law, which are maintained by the County.
5. **Town Roads** are those constructed, improved, or maintained by the Town with the aid of the State or County, under the provisions of this Chapter, including all highways in Towns, outside of incorporated villages constituting separate road districts which do not belong to either of the two preceding classes.



# Highways in Greene County

Mileage of each class of highway in Greene County is as follows:

Class 1 – State Highways.....	220.88 miles
Class 2 – Controlled Access Highways .....	9.77 miles
Class 3 – State Thruways .....	23.83 miles
Class 4 – County Roads.....	262.52 miles
County Roads within Villages.....	3.70 miles
Class 5- Town Roads.....	663.61 miles

	County Roads in Towns	County Roads in Villages	County Roads	Town Highway Total
Ashland	16.59	--	16.59	17.99
Athens	11.97	2.75	14.72	31.67
Cairo	30.21	--	30.09	91.34
Catskill	18.68	--	18.56	83.39
Coxsackie	17.73	0.56	18.29	49.42
Durham	22.67	--	22.67	80.02
Greenville	23.59	--	23.59	62.51
Halcott	7.16	--	7.16	16.34
Hunter	14.01	0.39	14.40	38.97
Jewett	23.88	--	23.88	39.07
Lexington	16.79	--	16.79	34.97
New Baltimore	23.83	--	23.83	63.18
Prattsville	12.62	--	12.62	18.91
Windham	19.07	--	19.07	35.83
	258.82	3.70	262.52	663.61



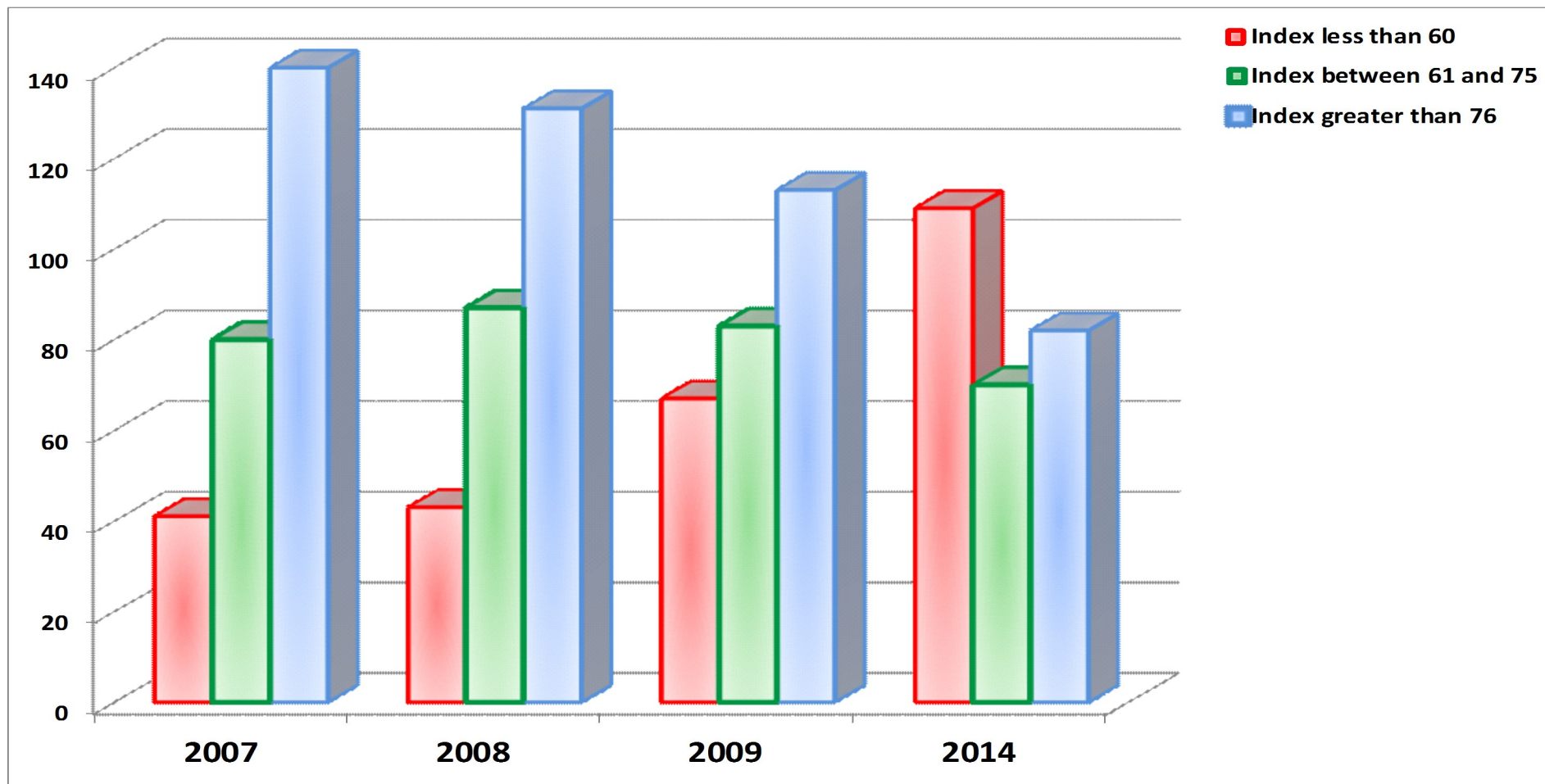


# *Pavement Condition Summary*

**P**avement **C**ondition **I**ndex, or also known as **PCI**, is the Value assigned to each road Section that indicates the road severity based on a 0 to 94 value system. Zero being the worst and 94 being the Best.

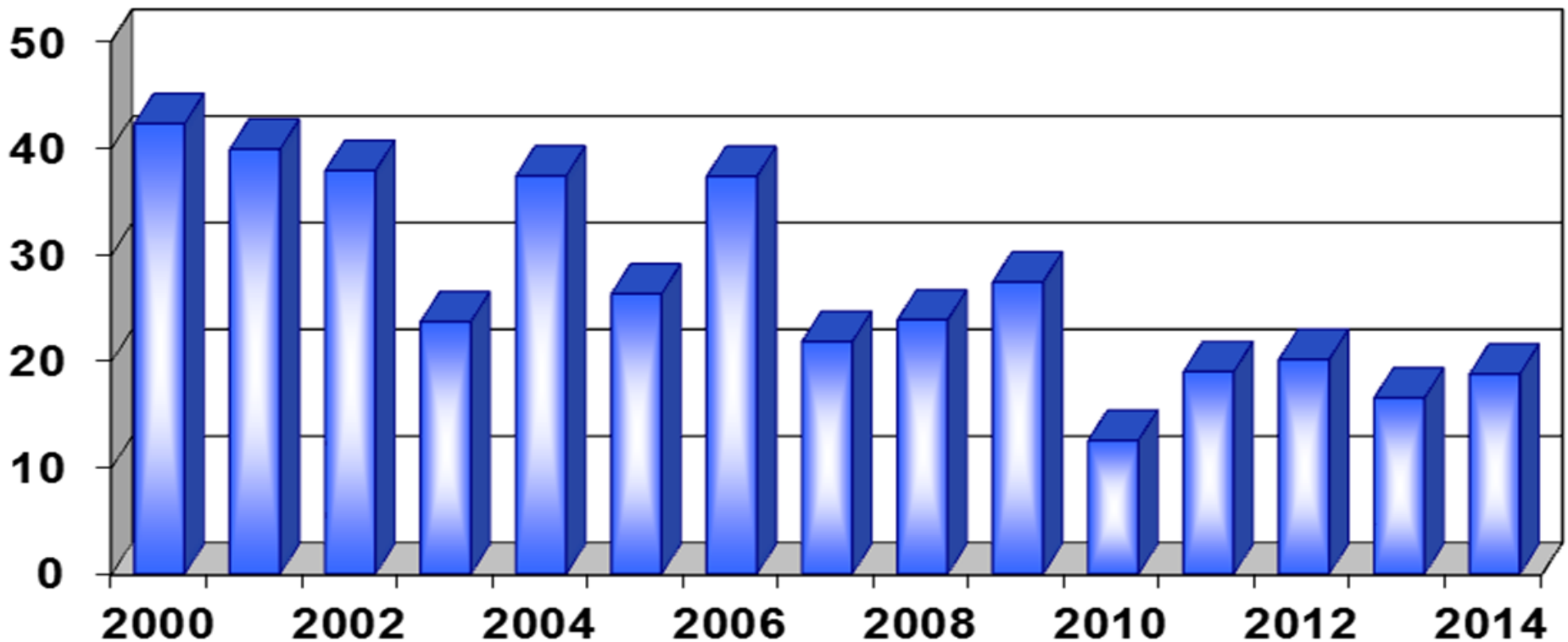
Total County Road Miles	= <b><u>262.52 Miles</u></b>
Total Number of Pavement Management Sections	= <b><u>306 Sections</u></b>
Average Length of each Section	= <b><u>0.89 Miles</u></b>

## **THE NUMBER OF COUNTY ROAD MILES VERSES CALENDAR YEAR**



# *Pavement Treatment Summary*

<b>Treatment</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
Asphalt Paving	11.22 mi.	10.77 mi.	11.60 mi.	12.58 mi.	11.14 mi.
Motor Paving	0.00 mi.	0.00 mi.	0.00 mi.	0.00 mi.	0.00 mi.
Chip Seal	1.31 mi.	8.18 mi.	8.52 mi.	3.93 mi.	7.62 mi.
Nova Chipping	0.00 mi.	0.00 mi.	0.00 mi.	0.00 mi.	0.00 mi.
Hot-In-Place Rec.	2.89 mi.	0.00 mi.	2.58 mi.	2.10 mi.	0.00 mi.
<b>Total Miles</b>	<b>12.53 mi.</b>	<b>18.97 mi.</b>	<b>20.12 mi.</b>	<b>16.51 mi.</b>	<b>18.76 mi.</b>



*Total Number of Treated Miles Verses Calendar Year*



# GREENE COUNTY HIGHWAY DEPARTMENT



## 2014 Quick Quote: Paving Contract Roads & Their Sections

Road Name	Town	From	To	Road Width (feet)	Length (miles)	US Tons (Estimated)	US Tons (Actual)
CR. 17	Jewett	Rice Street	Butternut Lane	20.0	1.49	2,185.33	<b>2,018.03</b>
CR. 23B	Cairo	State Route 23	Bridge over the Shingle Kill	24.0 to 38.0	1.20	N/A Lump Sum Bid	
CR. 23C	Jewett	Boy Scout Road	County Road 25	20.0	1.73	2,791.07	<b>3,029.36</b>
CR. 35	Greenville	County Road 41	State Route 81	20.0	1.51	2,214.67	<b>2,278.95</b>
CR. 41	Cairo	German Hill Road	New Pavement South of CR. 67	20.0	1.63	2,390.67	<b>2,382.36</b>
CR. 45	Coxsackie	Schoharie Turnpike	New Pavement @ Box 494	20.0	1.19	1,745.33	<b>1,718.89</b>
CR. 51	New Baltimore	Paradise Hill Road	County Road 26	20.0	1.10	1,613.33	<b>1,434.23</b>
CR. 56	Windham	C-D Lane Park Entrance	Bridge over the Batavia Kill	20.0	1.29	1,892.00	<b>2,054.15</b>
				<b>Grand Total</b>	<b>11.14</b>	<b>14,832.40</b>	<b>14,915.97</b>



# ***GREENE COUNTY HIGHWAY DEPARTMENT***



## ***2014 Chip Seal Contract Roads & Their Sections***

<b>Road Name</b>	<b>Town</b>	<b>From</b>	<b>To</b>	<b>Road Width (Feet)</b>	<b>Length (miles)</b>	<b>Total yd2</b>	<b>Tons of 1A Stone</b>	<b>Gallons of Emulsion</b>
<b>CR. 01</b>	Halcott	County Road 03	End of Road (South Lake Rd.)	20.0	2.60	30,506.67	381.33	13,728.00
<b>CR. 10</b>	Windham	County Road 21	Breezy Hill Road	20.0	2.71	31,797.33	397.47	14,308.80
<b>CR. 10</b>	Ashland	Breezy Hill Road	Case Road	20.0	1.92	22,528.00	281.60	10,137.60
<b>CR. 20</b>	Durham	County Road 10	Schoharie / Greene County Line	20.0	0.39	4,576.00	57.20	2,059.20

<b>Totals</b>	<b>7.62</b>	<b>1,117.60</b>	<b>40,233.60</b>
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# 2014 FEDERAL & STATE AID PROJECT SUMMARY

<u>BIN / PIN</u>	<u>PROJECT DESCRIPTION</u>	<u>FUND APPROPRIATION</u>	<u>CONTRACT COST</u>
<b>3-30304-0</b>	<b>Mountain House Road (CR 18) / Spruce Creek</b>	(2010 & On Going)	
PIN 1757.81	Engineering - Creighton Manning Eng. LLP	Project 69	\$247,000.00
(Federal Aid)	ROW Incidentals - Creighton Manning Eng. LLP		\$7,000.00
	ROW Acquisitions - (2012)		\$1,500.00
	Construction - A. Colarusso & Sons, Inc.		\$1,084,651.00
	Construction Support / Inspection - Barton & Loguidice, P.C.		\$218,600.00
 PIN 1039.52	 <b>Intersection Improvements at State Route 9W &amp; 81</b>	 (2009 & On Going)	
(State Aid)	Engineering - M.J. Engineering	Project 67	\$262,200.00
(100%)	ROW Incidentals - M.J Engineering		\$20,000.00
	Construction Support - M.J Engineering		\$19,200.00
 (Federal Aid)	Construction Inspection - M.J Engineering	 (2013 & On Going)	 \$256,000.00
	Construction - Green Island Construction Group, LLC		\$1,486,422.65



***County Road 18 Bridge  
over the Spruce Creek, in  
the Town of Hunter.***

# 2014 FEDERAL & STATE AID PROJECT SUMMARY

<u>BIN / PIN</u>	<u>PROJECT DESCRIPTION</u>	<u>FUND APPROPRIATION</u>	<u>CONTRACT COST</u>
PIN 1759.29 (Federal Aid) (2012 & On Going)	<b>County Rails-To-Trails Economic Development and Tourism Study</b> Engineering - Elan, PLLC	Project 73	\$117,900.000
<b>3-30321-0</b> PIN 1759.24 (Federal Aid) (2012 & On Going)	<b>Jewett Heights Road (Cr. 17) / Batavia Kill</b> Engineering Design & Construction Inspection Services - Clark Patterson Lee Design Professionals ROW Incidentals - Clark Patterson Lee Design Professionals ROW Acquisitions - (2014)	Project 76	\$292,889.75 \$23,110.25 \$1,150.00
<b>3-30282-0</b> PIN 1759.52 (Federal Aid)	<b>Cr. 47 / Kaaterskill Creek</b> Construction Inspection - Creighton Manning Eng. LLP Construction - Wm. J. Keller & Sons Construction Corp.	Project 79	\$122,133.95 (Final Cost) \$970,238.86 (Final Cost)
<b>3-20068-0</b> PIN 1757.13 (Federal Aid)	<b>Cauterskill Road / Kaaterskill Creek</b> Engineering - Barton & Loguidice, P.C. ROW Incidentals - Barton & Loguidice, P.C.	Project 86	(2014 & On Going) \$236,377.00 \$16,004.00
PIN 1759.71 (Federal Aid)	<b>Black Bridge / Catskill Creek</b> Engineering - Creighton Manning Eng. LLP	Project 85	(2014 & On Going) \$337,000.00

# 2014 FEDERAL & STATE AID PROJECT SUMMARY

<u>BIN / PIN</u>	<u>PROJECT DESCRIPTION</u>	<u>FUND APPROPRIATION</u>	<u>CONTRACT COST</u>
	<b><u>BRIDGE PRESERVATION PROJECT BUNDLED</u></b>	Project 78 (2013 & On Going)	
<b>3-30288-0</b>	<b>Brooksburch Road (CR 65) Over the Batavia Kill</b>		
<b>3-30310-0</b>	<b>Deans Mill Road Bridge (CR 27) Over the Catskill Creek</b>		
<b>3-30356-0</b>	<b>Old State Route 23 (CR23B) Over the Catskill Creek</b>		
PIN 1756.47	Engineering - CDM Smith		\$348,914.00
(Federal Aid)	ROW Incidentals - CDM Smith		\$26,896.00
<b>3-20117-0</b>	<b>Carr Road / Schoharie Creek</b>		
PIN 1759.23	Engineering - Barton & Loguidice, P.C.	Project 75	\$272,491.00
(Federal Aid)	ROW Incidentals - Barton & Loguidice, P.C.		\$16,139.00
(2012 & On Going)	ROW Acquisitions - (2014)		\$35,146.00
	Construction Inspection - Creighton Manning Eng. LLP		\$251,000.00
	Construction - Tioga Construction Company, Inc.		\$1,818,283.50



***Carr Road Bridge over the  
Schoharie Creek, in the  
Town of Jewett.***



# 2014 LOCAL FUNDED PROJECT SUMMARY

<u>BIN / CIN</u>	<u>PROJECT DESCRIPTION</u>	<u>FUND APPROPRIATION</u>	<u>CONTRACT COST</u>
	<b>Mitigation on Embankment Slope Failures</b>	<b>D5112.2140</b>	
	<b>[Cr. 02, Cr. 06 Cr. 20, Cr. 30 &amp; (2) Cr. 61]</b>	<b>ROAD CONSTRUCTION</b>	
	Towns of Prattsville, Lexington, Durham, Catskill, & New Baltimore	<b>(2010 and On Going)</b>	
	Engineering Design & Construction Inspection Services -		
	Creighton Manning Engineering, LLP		\$110,900.00
<b>3-20137-0</b>	<b>Slater Road Bridge / Batavia Kill</b>	<b>D5112.2160</b>	
Misc. Bridges	Engineering Design & Construction Inspection Services -		
	Clark Patterson Lee		\$28,960.00
	ROW Incidentals - Creighton Manning Engineering, LLP.		\$4,620.72
	Construction - Advanced Enterprise Concrete and Excavation		\$222,000.00
	Material Costs		\$146,541.87



***Slater Road Bridge over the Batavia Kill.***



# 2014 LOCAL FUNDED PROJECT SUMMARY

<u>BIN / CIN</u>	<u>PROJECT DESCRIPTION</u>	<u>FUND APPROPRIATION</u>	<u>CONTRACT COST</u>
3-30325-0	<b>Hearts Content Road Bridge (CR 31) / Kiskatom Brook</b> Engineering Design & Construction Inspection Services – Creighton Manning Engineering, LLP	<b>D5112.2160</b> <b>MISCELLANEOUS BRIDGES</b>	\$30,560.00
3-30299-0	<b>CR 78 / East Kill (Colgate)</b> <b>BRIDGE REHABILITATION</b> Engineering Design & Construction Inspection Services – Clark Patterson Lee Design Professionals	<b>D5112.2160</b> <b>MISCELLANEOUS BRIDGES</b> (2012 AND ON GOING)	\$21,650.00

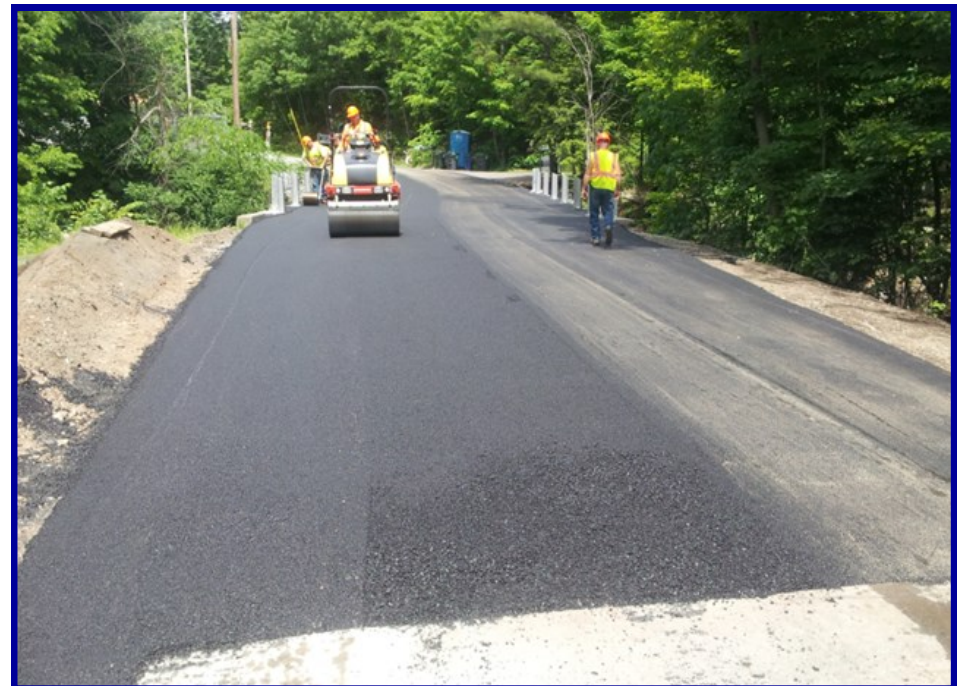


***Damage as a result of Hurricane Irene to the Colgate Road Bridge (Cr. 78) over the East Kill.***

# 2014 LOCAL FUNDED PROJECT SUMMARY

<u>BIN</u>	<u>PROJECT DESCRIPTION</u>	<u>FUND APPROPRIATION</u>	<u>CONTRACT COST</u>
	<b>County Road 25 / Slope Repair</b>	<b>D5112.2160</b>	
	Engineering Design - Creighton Manning Engineering, LLP	<b>MISCELLANEOUS BRIDGES</b>	\$8,055.52
	Construction - Wm. J. Keller & Sons Construction.		\$84,880.00
	Material Costs -		\$42,224.63
<b>3-20072-0</b>	<b>Potic Creek Road Bridge / Cob Creek</b>	<b>D5112.2160</b>	
	Engineering Design & Construction Inspection Services -	<b>MISCELLANEOUS BRIDGES</b>	\$28,250.00
	Creighton Manning Engineering, LLP		\$47,302.00
	Construction - Wm. J. Keller & Sons Construction.		\$168,615.74
	Material Costs -		

***Potic Creek Road Bridge over  
the Cob Creek, in the Town of  
Coxsackie.***



# *Greene County Sign Program*

## **NEW SIGN RETRO-REFLECTIVE REQUIREMENTS.**

One of the Federal Highway Administration's (FHWA's) primary concerns is to improve safety on the nation's roadways. Approximately 42,000 people have been killed on American roads during each of the past eight years. While only one-quarter of all travel occurs at night, about half of the traffic fatalities occur during the nighttime hours. To address this disparity, the FHWA has adopted new traffic sign Retro-Reflectivity requirements.

Adequately maintained Retro-Reflective signs improve highway safety and prevent roadway departure crashes by bouncing light from the vehicle headlights back toward the vehicle and the drivers eyes, making the signs appear brighter and easier to see and read. Because the Retro-Reflective properties of traffic control devices deteriorate over time, highway agencies need to actively manage the maintenance of signs in order to ensure that they are clearly visible at night. Under a federal rule that went into effect on January 2008, agencies had until January 2012 to establish and implement a sign assessment or management method that will maintain minimum levels of sign Retro-Reflectivity.

The *Manual on Uniform Traffic Control Devices* (MUTCD) is the national standard for all traffic control devices on any street or highway open to public travel. The MUTCD now requires that agencies maintain traffic signs to a set of minimum levels that must be maintained for traffic signs. The compliance date for meeting the minimum Retro-Reflectivity requirements on regulatory, warning, and ground-mounted guide signs is January 2015. For overhead guide signs and street name signs, the compliance date is January 2018.



***Retro-Reflective sheeting degrades over time. Daytime visual inspections cannot be used to assess reflectivity.***



# 2014 Sign Program

Pursuant to MUTCD requirements for management, the sign department utilizes the “Blanket Method Management System” where all signs are replaced along the entire county road. In 2014 two more county roads have had all new signs installed; for a total of 19 county roads that have had complete restoration with New High Intensity Prismatic Material, (HIPM) in an effort to conform with the national standard for control devices. This year, 300 new HIPM signs were either installed or replaced due damage or because of Non-Reflectiveness. The Sign Department recycles all old signs that are taken down for Non-Reflectivity then reapplying new Prismatic Sheeting Material faces. This is a cost effective way to meet the new standards.

The Greene County Sign Department is responsible for over 15,000 road signs. These signs include Pedestrian Crossings, Hidden Driveways, School Bus Ahead, Signal Arrows and Chevrons. The Sign Department is also often called upon to design and implement complete highway closure detours for construction projects. These closures include bridges, paving, culvert replacements and a road stabilization projects. The Sign Department is also responsible for 223.83 miles of centerline striping, and 422.06 miles of edge line striping. With budgetary constraints, 203.14 miles of centerline and 185.67 miles of edge line was striped.



***Purple Heart County Sign located in the Town of Hunter.***



# *Greene County In-House*

## **RED - FLAG SCOUR REPAIR PROJECTS**

### ***Town & County Bridge and Rail***

	D5112.2160 (misc. bridges)
Cornwallville Road - Shotcrete Repairs	\$7,800.00
County Road 17 Culvert - Shotcrete Repairs	\$15,600.00
Potic Creek Bridge Abutments	\$29,205.00

## **APPLICATION OF SILANE PENETRATING SEALER (DECK SEALING)**

### ***Town & County Bridge and Rail***

	D5112.2160 (misc. bridges)
Woodstock Ave. Bridge - Catskill	
Tumbleweed Road Bridge - Lexington	\$17,338.30
Ski Bowl Bridge - Hunter	(Total Cost for Five Bridge decks)
County Road 67 – Greenville	
County Road 47 Bridge - Catskill	

262.52 Miles of Roadway Maintained.

General Maintenance Including: Culvert Replacement, Ditching, Tree removal & Trimming, Mowing, Removal of Debris.

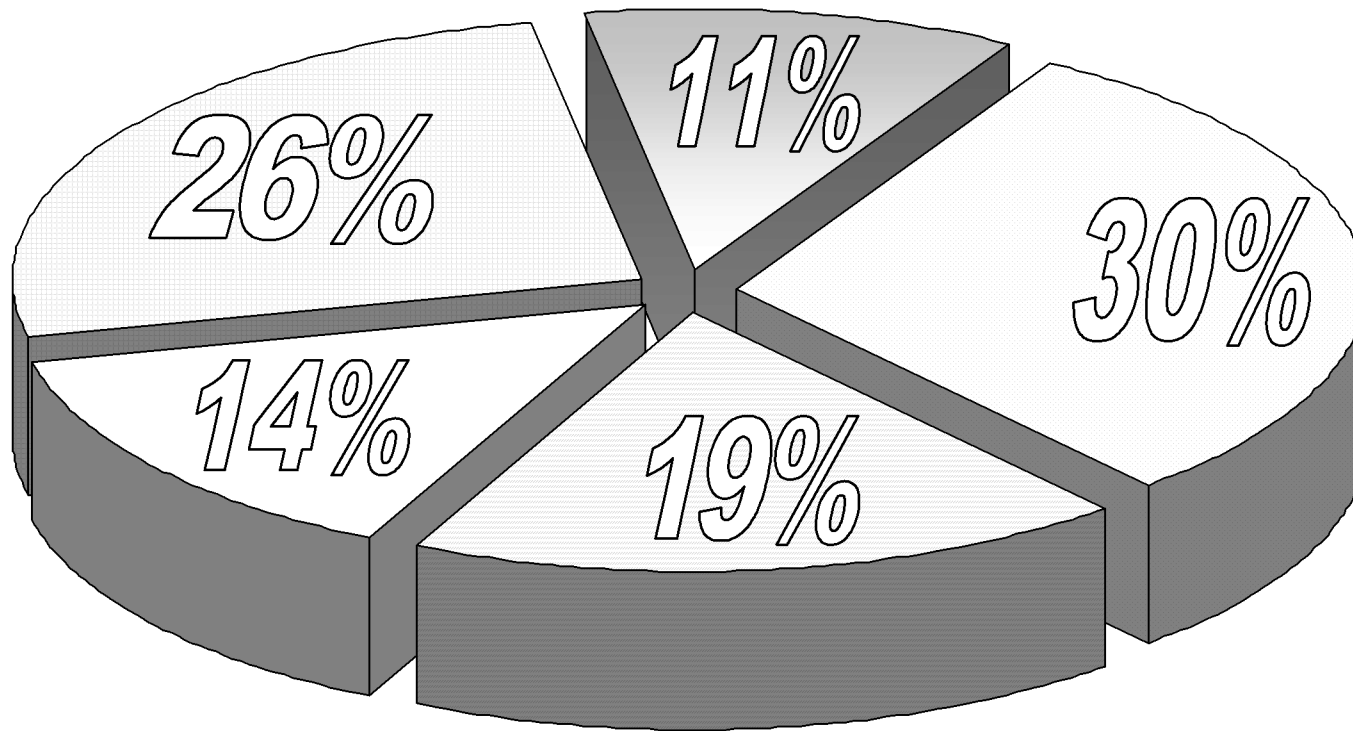
Maintained 135 Bridges within the NYS Computer Regulated “FLAG” System

Administered the “Petro-Vend” Automated Fueling Management System.



# ***GREENE COUNTY***

## ***135 BRIDGES***



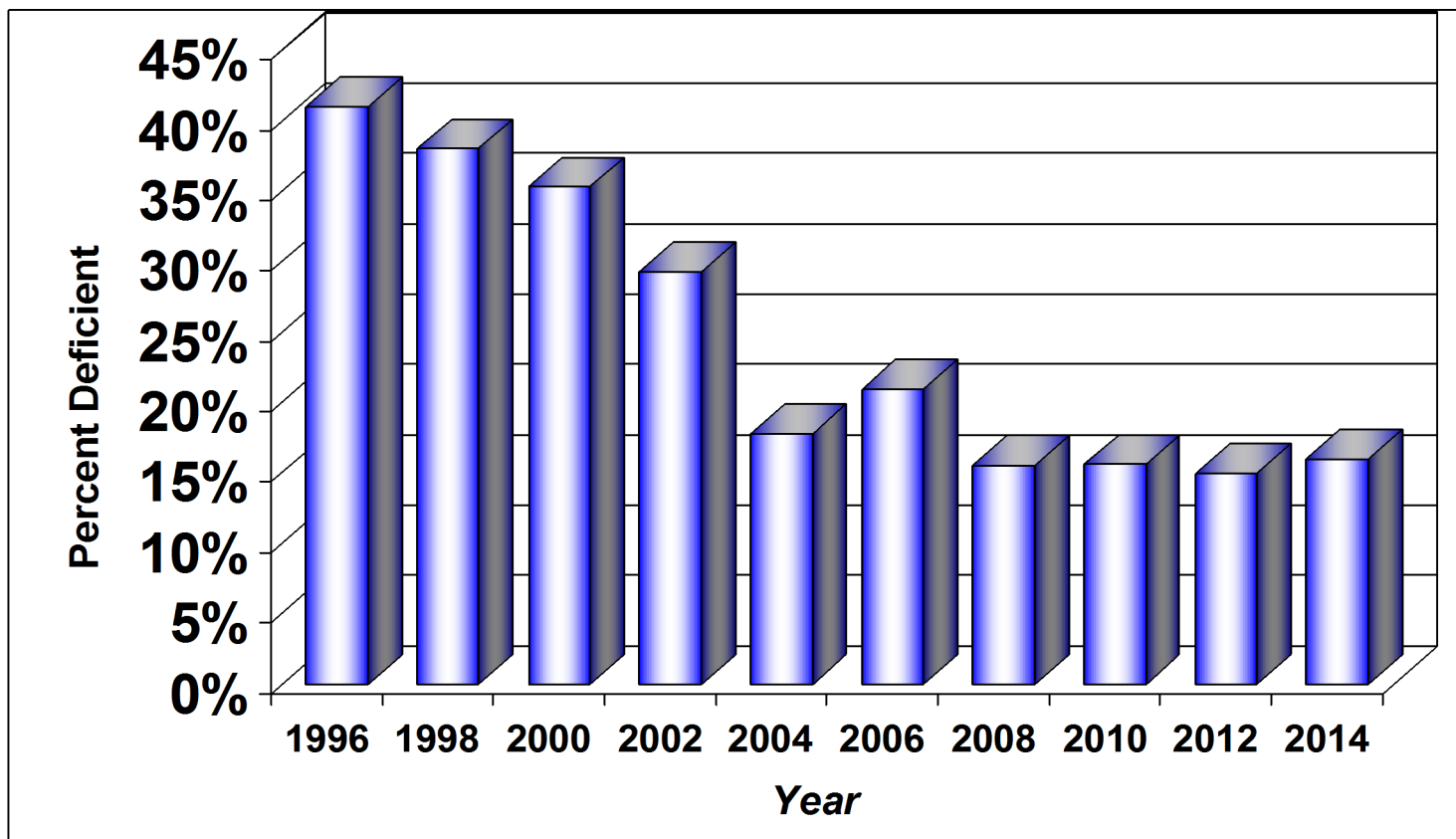
- ☐ Between 20 & 30 ft. = 11%
- ☐ Between 31 & 45 ft. = 30%
- ☐ Between 46 & 60 ft. = 19%
- ☐ Between 61 & 75 ft. = 14%
- ☐ Greater Than 75 ft. = 26%

***2014 Bridge Length Inventory***



# *Deficient Bridge Status History*

*From 1996 to 2014*



A Bridge with an Overall General Recommendation of less than 5.0 is considered NOT to be performing as it was designed and is, therefore, considered "DEFICIENT". The term "DEFICIENT" does NOT mean, however that a Bridge is Unsafe. Currently there are 21 County owned bridges that are rated less than 5.0



# *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.

Safety Flags are coordinated and supervised in-house between the Engineering Division, the Senior Highway Building Foreman and the General Foremen, with repairs being completed by the Greene County Bridge Maintenance Crew.

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 2014, there were a total of 25 Structural Flags, 14 Yellow, and 6 Red.

There were 5 Safety Flags issued in 2014. The table below indicates the number of Red and Yellow Flags received over the past twelve years:

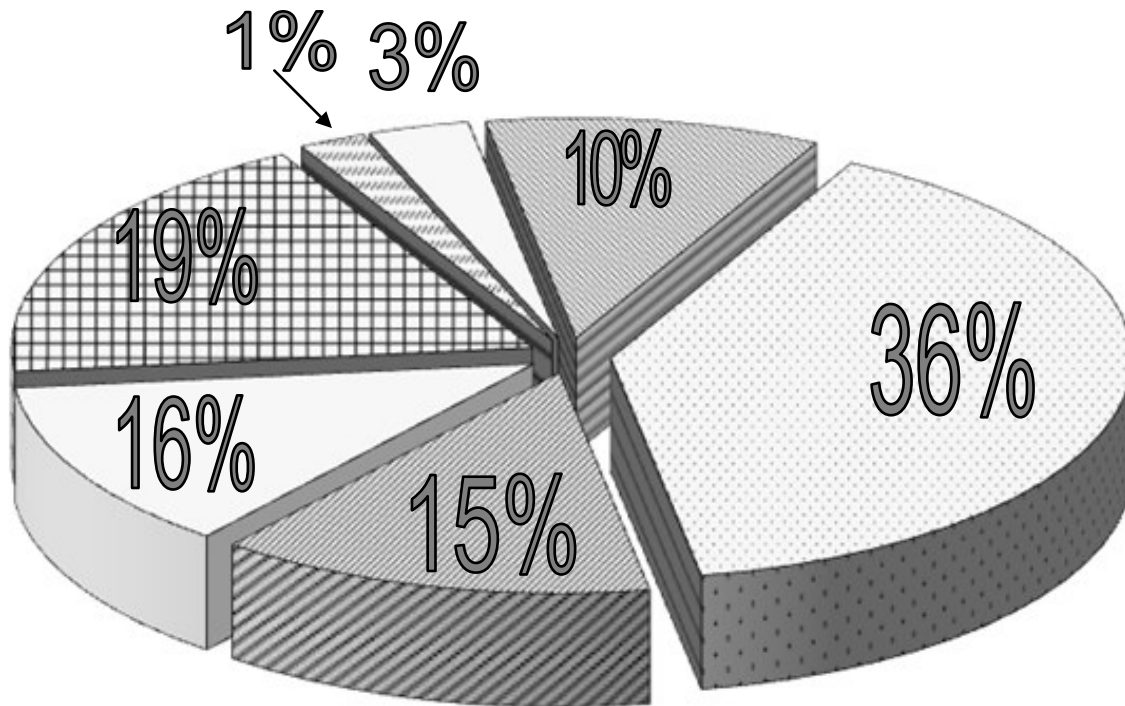
<u>YEAR</u>	<u>RED</u>	<u>YELLOW</u>
2014	6	14
2013	10	19
2012	12	11
2011	5	23
2010	1	21
2009	10	23
2008	4	10
2007	2	8
2006	1	6
2005	4	9
2004	0	14
2003	0	14





# 2014 Fund Allocation

*Maintenance \* Construction \* Snow Removal \* Machinery  
Employee Benefits \* Serial Bonds*



Engineering, Traffic Control & Admin.	10%
Road / Bridge Maintenance	36%
Road / Bridge Construction	15%
Snow / Ice Removal	16%
Machinery	19%
Employee Benefits & Services	1%
Serial Bonds	3%

**Total Allocation: \$ 11,074,326.31**

# County Vehicle List

ID. Num.	VEHICLE DESCRIPTION	ID. Num.	VEHICLE DESCRIPTION	ID. Num.	VEHICLE DESCRIPTION
06-01	06 Jeep Liberty	01-35	01 Ford F 450 XL Utility 1 Ton Truck	02-69	02 Ford F450 1 Ton w/Stake Body
14-02	14 Dodge Durango	00-36	00 GMC Sierra 1 Ton Utility Truck	06-70	06 Int'l Dump
13-03	13 Ford F250 3/4 Ton 4x4 Pickup	89-37	89 Oshkosh Dump Truck	98-71	98 Chevrolet 2500 Crew Cab 3/4 pickup
15-04	15 Ford F250 3/4 Ton 4x4 Pickup	38		72	
15-05	15 Ford F250 3/4 Ton 4x4 Pickup	39		10-73	10 Int'l Tandem Snow Plow / Dump
01-06	01 Dodge Durango Sport	88-40	88 Int'l Cab Chassis Stake Body Flat Bed	01-74	01 Chevrolet S-10 Pickup
09-07	09 Ford F250 3/4 Ton 4x4 Pickup	08-41	08 Int'l Tandem Dump Truck w/plow	01-75	01 Chevrolet S-10 Pickup
13-08	13 Ford F250 3/4 Ton 4x4 Pickup	00-42	00 Volvo Dump Truck	06-76	06 Ford Taurus
04-09	04 Ford F250 3/4 Ton 4x4 Pickup	02-43	02 Int'l 4700 w/16' Flat Bed Rack Truck	77	
02-10	02 Chevrolet 1/2 Ton Pickup	83-44	83 Oshkosh Snow Plow	78	
02-11	02 Chevrolet 1/2 Ton Pickup	07-45	07 Int'l 7500 Dump Truck	05-79	05 Johnson Sweeper
14-12	14 Dodge Durango	87-46	87 Int'l Dump Truck	91-80	91 Ford F600 Bucket Truck
04-13	04 Ford F250 3/4 Ton 4x4 Pickup	03-47	02 Int'l Dump Truck	01-81	01 Int'l Altec + F11 Bucket Truck
06-14	06 Ford F250 3/4 Ton 4x4 Pickup	48		01-82	01 Elgin Eagle Pavement Sweeper
01-15	01 Ford F550 Dump	49		83	
14-16	14 Dodge Durango	86-50	86 Int'l Tractor	88-84	88 Oshkosh Tandem Dump
08-17	00 Ford F250 3/4 Ton 4x4 Pickup	92-51	92 Ford Dump Truck	00-85	00 Int'l Eagle Paystar Tri-Axle Dump Truck
00-18	00 Ford F150 1/2 Ton Pickup	95-52	95 Oshkosh Snow Plow	01-86	01 Int'l Eagle Paystar Tri-Axle Dump Truck
05-19	05 Ford 550 Dump Truck	53		00-87	00 Int'l Tractor
85-20	85 Oshkosh Snow Plow	54		88	
95-21	95 Chevrolet Suburban Tahoe	91-55	91 Ford Utility Truck	00-89	00 Oshkosh Snow Plow w/spreader
92-22	92 International Dump Truck	91-56	91 Int'l Dump	88-90	88 Oshkosh Snow Plow w/spreader
01-23	01 Int'l 4700 Crew Cab Dump Truck	98-57	98 Int'l Dump	91	
01-24	01 Int'l 4700 Crew Cab Dump Truck	58		92	
01-25	01 Int'l 4700 Crew Cab Dump Truck	58-59	58 Oshkosh Snow Blower	91-93	91 Int'l Dump Crew Cab (Water Truck)
01-26	01 Int'l 4700 Crew Cab Dump Truck	01-60	01 Int'l Dump	05-94	05 Int'l Paystar Dump Truck w/plow
91-27	91 Int'l 4700 Crew Cab Dump Truck	01-61	01 Int'l Dump	95	
00-28	00 Ford Suburban Expedition	01-62	01 Int'l Dump	96	
92-29	92 Int'l Dump Truck	01-63	01 Int'l Dump	97	
83-30	83 Chevrolet Utility 1 Ton Pickup	64		98	
87-31	87 Oshkosh Snow Plow	96-65	96 Int'l Dump Truck	99	
07-32	07 Int'l 7500 Dump Truck	01-66	01 Int'l Paystar Plow	100	
15-33	15 Ford F350 Crew Cab 1 Ton Pickup	02-67	02 Int'l Dump Truck		
13-34	13 Ford F350 Pickup	02-68	02 Int'l Dump Tandem Truck		

# County Equipment List

ID. Num.	DESCRIPTION	ID. Num.	DESCRIPTION
81-E02	81 Power Pack 605 Road Widener 3 cy. / 18 hp.	97-E54	97 Gradall Excavator
99-E06	99 Case 650G Dozer, 80 hp. 2.2cy.	00-E55	00 Big Tex 6 Ton Trailer
99-E07	20 Ton Tagalong Trail King Trailer	00-E56	00 Big Tex 6 Ton Trailer
97-E09	97 Ford 555 Backhoe / Loader 1cy. / 65 hp.	89-E68	89 John Deere 544E Loader 2.25 cy. / 115 hp.
99-E12	99 Caterpillar 938G Loader 3yd. / 145 hp.	01-E70	01 Ingersoll-Rand 873 Bobcat 73 hp.
63-E15	63 Lincoln Welder	94-E74	94 Gradall XL-4100 8 cy. / 145 hp.
88-E16	88 Mastercraft Forklift	81-E79	81 Bomag 755 Drum Roller (walk behind)
00-E17	00 Caterpillar 938G Loader 145 hp.	93-E81	93 Morbark 290 Eagle Chipper
81-E22	81 Champion 715 Grader 150 hp.	00-E85	00 Case 590 Super I Backhoe
00-E23	01 Ingersoll-Rand DD12 1/2 ton Roller / 16.5 hp.	01-E86	01 John Deere 4x4 624 Loader / 2.5 cy.
00-E24	01 Ingersoll-Rand DD12 1/2 ton Roller / 16.5 hp.	01-E87	01 Ingersoll-Rand Roller DD110 / 120 hp.
01-E25	01 Big Tex 5 Ton Trailer	00-E87T	00 Talbert 35 Ton Trailer
01-E26	01 Stone Wolfpac 2500 Vibratory Roller / 18 hp.	98-E88	98 Miller Welder
04-E27	04 Stone Wolfpac 3100 Vibratory Roller / 18 hp.	98-E90	98 Vermeer 1230A Chipper 4 cy. / 86 hp.
94-E28	94 John Deere 624 Loader 3.25 cy. 145 hp.	98-E91	98 Vermeer 1230A Chipper 4 cy. / 86 hp.
05-E29	05 Brim Trailer	00-E92	00 Salsco Chipper / 4.21 cy. Diesel
03-E35	03 Broce Broom RJ350 Street Sweeper 80 hp.	00-E93	00 Salsco Chipper / 4.21 cy. Diesel
05-E39	John Deere Tractor / Boom Flail Mower	02-E96	02 Case 590 Backhoe 4cyl. / 99 hp.
02-E44	02 John Deere 5320 Diesel Tractor Mower 4 cy.	80-E108	80 Hauck Steam Culvert Thawer
91-E45	91 Rexworks SP-910B Roller 87 hp.	83-E111	83 Sullair Air Comp. 68 hp., 185 cfm.
00-E46	00 John Deere 5310 Tractor Mower 55 hp.	88-E112	88 Sullair Air Comp. 78 hp., 185 cfm.
91-E47	91 Massy Ferguson Diesel Tractor w/Side Mower	07-E115	07 Caterpillar Excavator Track
02-E48	02 John Deere 5320 Diesel Tractor Mower	89-E120	89 Caterpillar Grader 120 hp.
99-E53	99 Gradall G3WD / 8cy. / 190 hp.	85-E200	85 Leeboy Asphalt Maintainer 65 hp.



# ***SOLID WASTE MANAGEMENT***

## **Municipal Solid Waste and Construction & Demolition**

**2013**

<b>Year End</b>	<b>MSW and C&amp;D</b>
January	3,830.00
February	3,366.18
March	3,912.61
April	4,661.84
May	4,249.12
June	4,559.62
July	4,584.66
August	4,372.22
September	4,059.61
October	4,479.70
November	4,032.98
December	4,013.79
<b>Total</b>	<b>50,122.33</b>

**2014**

<b>Year to Date</b>	<b>MSW and C&amp;D</b>
January	3,868.35
February	3,037.27
March	3,609.72
April	4,454.20
May	4,831.16
June	4,298.27
July	5,137.48
August	4,721.65
September	4,571.07
October	4,830.25
November	3,989.17
December	4,058.63
<b>Total</b>	<b>51,407.22</b>

**Percentage of 2012 Total**

**102.56%**





# SOLID WASTE MANAGEMENT

## HIGH VOLUME TONS

**2014**

December  
YTD

PREVIOUS

35,379.15

MSW

3,154.01

C&D

76.62

TOTAL

3,230.63

YTD TOTAL

38,609.78

## APPROXIMATE CUSTOMER COUNT

**2014**

January

1,914

1,605

1,091

1,058

2,334

8,002

February

1,757

1,466

1,298

876

2,155

7,552

March

1,877

1,736

1,800

968

2,812

9,193

April

1,790

1,953

1,742

1,612

3,446

10,543

May

2,051

2,369

2,060

1,702

3,622

10,804

June

2,084

2,473

1,772

1,552

3,275

11,156

July

2,538

3,296

1,686

1,480

4,074

13,074

August

2,936

3,170

2,028

1,629

3,514

13,277

September

2,210

2,965

1,696

1,522

3,155

11,521

October

2,187

2,516

1,567

1,588

2,985

10,843

November

2,009

2,587

1,678

1,186

3,193

10,653

December

2,325

2,529

1,877

1,189

3,015

10,935

Year to Date

25,678

28,665

20,268

16,362

37,580

128,553

Monthly Total



# SOLID WASTE MANAGEMENT

## RECYCLABLES

2013				2014	
Year End			Previous Totals	Current Totals	Year to Date Total Tons
					Percentage of 2013 Total
Batteries	6.08	Batteries	0.00	0.00	0.00%
Cans	75.35	Cans	68.78	8.17	95.49%
Cardboard	418.40	Cardboard	351.06	30.05	91.09%
Electronics	102.40	Electronics	94.01	0.00	91.81%
Glass	238.45	Glass	230.84	0.00	96.81%
Metal	459.75	Metal	400.49	51.03	94.73%
Paper	296.94	Paper	238.31	27.75	89.60%
Plastic	115.48	Plastic	78.91	0.00	68.33%
Textiles	85.50	Textiles	955.25	13.50	127.19%
Tires	55.67	Tires	28.71	7.33	64.74%



# 2014 Solid Waste VEHICLES & EQUIPMENT LIST

## ID. Num.

## Description

### VEHICLES

SW-2	2003	FORD	F350 MECHANICS TRUCK
SW-5	1991	INTERNATIONAL	BOX TRUCK
SW-9	1996	MACK	TRACTOR
SW-10	1996	MACK	TRACTOR
SW-12	2004	INTERNATIONAL	BOX TRUCK
SW-13	2004	INTERNATIONAL	ROLL OFF TRUCK
SW-16	2006	INTERNATIONAL	TRACTOR
SW-17	1979	OTTAWA	YARD TRACTOR
SW-18	1986	OTTAWA	YARD TRACTOR
SW-20	2008	CHEVROLET	IMPALA LS SEDAN
SW-49	1992	INTERNATIONAL	TRACTOR

### TRAILERS

SWT-9	2003	GALBREATH	TRIAxLE TILT TRAILER
SWT-10	2003	GALBREATH	TRIAxLE TILT TRAILER
SWT-21	2004	SPEC TEC	COMPACTOR TRAILER
SWT-22	2004	SPEC TEC	COMPACTOR TRAILER

### EQUIPMENT

SW130G	2013	JOHN DEERE	EXCAVATOR
SW-310G	2006	JOHN DEERE	BACKHOE
SW-863	2003	BOB CAT	SKID STEER LOADER
SW-510B	1988	JOHN DEERE	BACKHOE
SW-416E	2007	CATERPILLAR	BACKHOE
SW-416E1	2008	CATERPILLAR	BACKHOE
SW-92	2000	YALE	FORK TRUCK

### STORAGE CONTAINERS

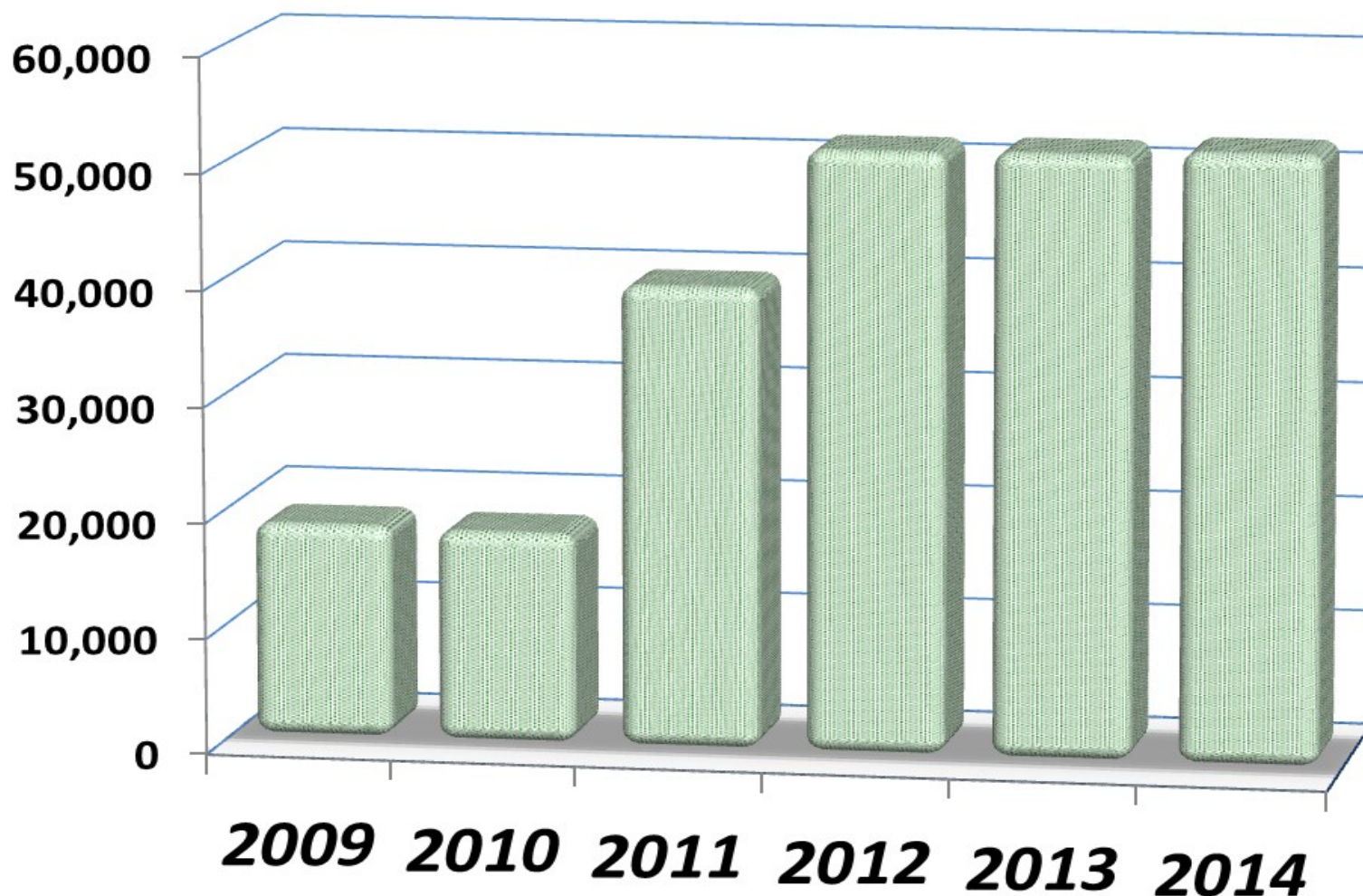
SWT-15	1980	STECO	COMPACTOR TRAILER
SWT-16	1980	STECO	COMPACTOR TRAILER
SWT-18	1980	STECO	COMPACTOR TRAILER
SWT-20	1974	FRUEHAUF	BOX TRAILER
No #	1968	FRUEHAUF	BOX TRAILER
No #	1970	FRUEHAUF	BOX TRAILER



# ***SOLID WASTE MANAGEMENT***

***TOTAL VOLUME OF MUNICIPAL SOLID WASTE BY YEAR.***

**US Tons**

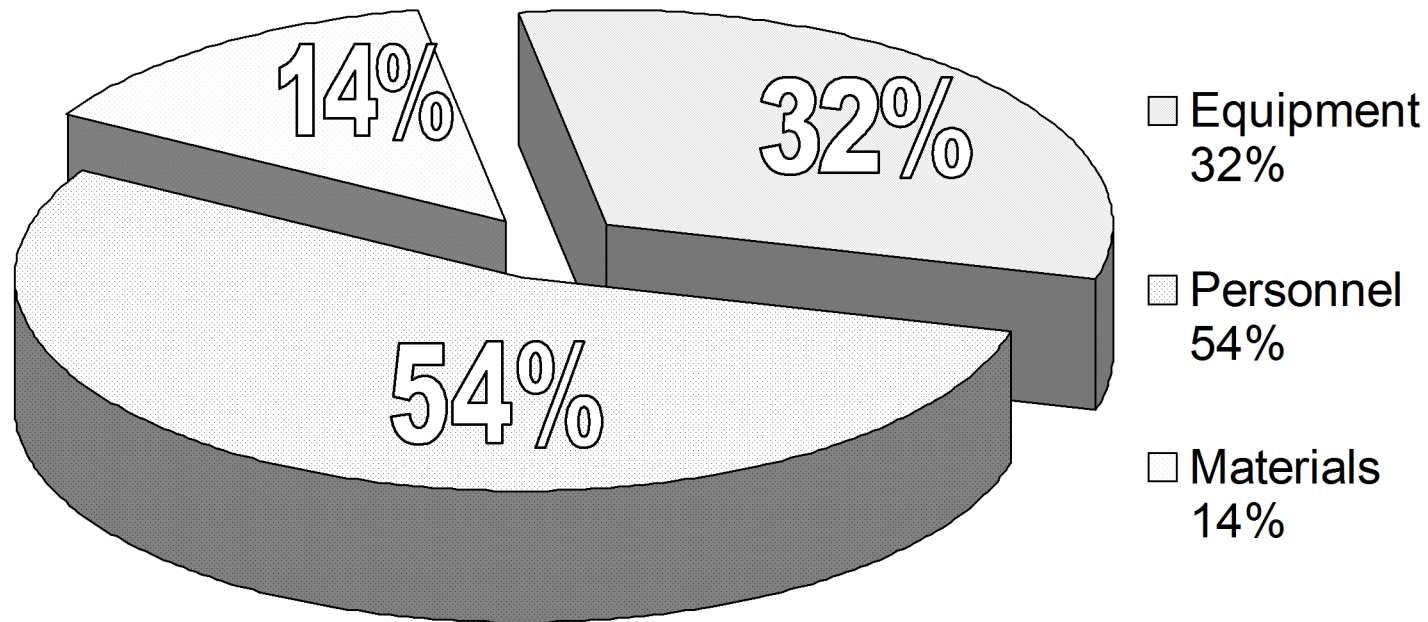


***Tons of Municipal Solid Waste and Construction & Demolition Debris Per Year.***



# 2014 - Snow / Ice Removal

*\* Equipment \* Personnel \* Materials \**



**2014 Annual Total: \$1,825,602.49**



# 2014 TRAINING and SEMINARS

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DATE	EVENT	LOCATION	ATTENDEES	DEPARTMENT
January 21 & 22	NYSCHSA (Winter Conference)	Albany	Superintendent, Deputy Superintendent	Administration
March 5	Advocacy Day - Re: CHIPS, Funding for roads & bridges	Albany	Superintendent	Administration
May 13	Alcohol and Controlled Substance Reasonable Suspicion Training	Catskill	Superintendent Deputy Superintendent All Supervisors	Administration Road, Machinery, and Solid Waste
May 14	Blood Borne Pathogens Training	Catskill	Deputy Superintendent Office Manager, Solid Waste Staff	Administration Solid Waste
October 23	Emergency Management Training	Cairo	Superintendent, Deputy Superintendent	Administration
October 28 & 29	Snow and Ice Training	Cairo	Superintendent, Deputy Superintendent Highway Staff	Administration Road and Machinery
November 5-7	20 <sup>th</sup> Statewide Conference on Local Bridges	Syracuse	Superintendent, Sr. Engineering Tech.	Administration Engineering Division

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***GREENE COUNTY OFFICE BUILDING PARKING AREA STORM WATER RETROFIT AND SHORELINE STABILIZATION,  
IN CONJUNCTION WITH POROUS ASPHALT PAVEMENT AND INFILTRATION BED.***

Stormwater management functions of porous asphalt installations include water quality treatment, peak flow reduction, storm volume reduction via groundwater recharge, and increased hydrograph time lag. The work along these sections includes subgrade preparation, installation of the underlying porous media beds, and porous asphalt mix design, production, and installation. Porous media beds refer to the material layers underlying the porous asphalt pavement. Porous asphalt pavement refers to the compacted mix of modified asphalt, aggregate, and additives.



***During the  
Construction of  
Phase 2, Slope  
Stabilization and  
Infiltration Bed  
Project***







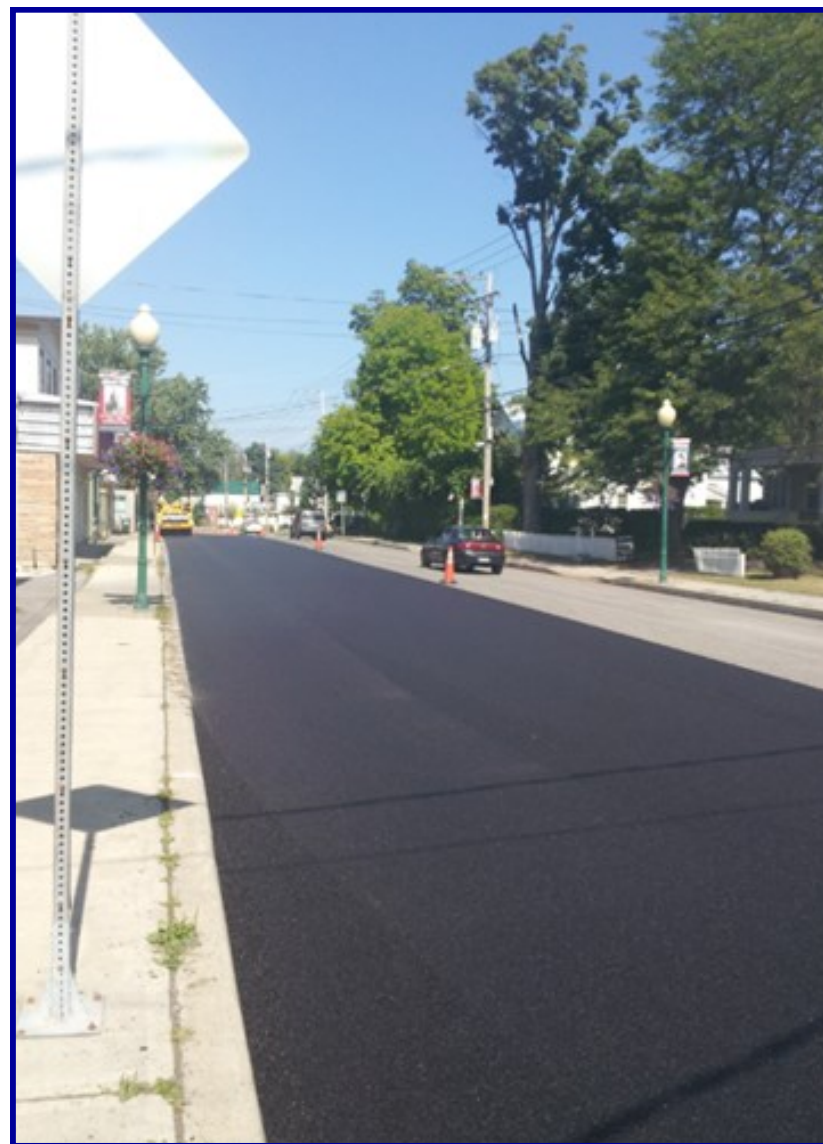
***Completion of Phase 2.  
Slope Stabilization and Infiltration Bed Project.***







***Utilizing the New York State Office of General Services Quick Quote Process, Greene County Highway Department entered in to an agreement with the low bidder (Callanan Industries) for Asphalt Milling and Paving along County Road 23B, in the Town of Cairo.***



# **FEMA - 4020 - DR - NY P.A. #039-99039-00**

**HURRICANE IRENE - INCIDENT PERIOD: AUGUST 26, THROUGH SEPTEMBER 5, 2011**

*(The following is the Summary by Category of Blue Book Bundles Received, as of January 31, 2014)*

## **PROJECT SUMMARY**

***Small Projects - (Under \$63,900)***

***Large Projects - (\$63,900 and Over)***

### **Emergency Work**

#### ***Category A: Debris Removal***

Clearance of trees and woody debris; building wreckage; sand, mud, silt, and gravel; vehicles; and other disaster related material deposited on public and, in very limited cases, private property.

#### ***Category B: Emergency Protective Measures***

Measures taken before, during, and after a disaster to save lives, protect public health and safety, and protect improved public and private property.

### **Permanent Work**

#### ***Category C: Roads and Bridges***

Repair of roads, bridges, and associated features, such as shoulders, ditches, culverts, lighting and signs

#### ***Category D: Water Control Facilities***

Repair of irrigation systems, drainage channels, and pumping facilities. Repair of levees, dams, and flood control channels fall under Category D, but the eligibility of these facilities is restricted.

#### ***Category E: Buildings and Equipment***

Repair or replacement of buildings, including their contents and systems; heavy equipment; and vehicles.

3/20/2015

## INSURANCE PROCEEDS AND FEDERAL AND STATE REIMBURSEMENTS

BDL	TRACE NUMBER <i>Reference #</i>	VOUCHER NUMBER <i>Invoice # / check #</i>	DATE	INSURANCE PROCEEDS RECEIVED	FEDERAL REIMBURSEMENT RECEIVED (75%)	STATE REIMBURSEMENT RECEIVED (25%)
7	02070881	38593IR	2/15/2012		\$42,595.25	
	0098126	4020DRNYPW660	6/28/2012			\$14,198.42
					\$42,595.25	\$14,198.42
Total (Federal & State) Bundle 7:						\$56,793.67
8	02072108	38539IR	2/16/2012		\$37,238.72	
	0098126	4020 DR NY PW630	6/28/2012			\$12,412.90
					\$37,238.72	\$12,412.90
Total (Federal & State) Bundle 8:						\$49,651.62
13/159	02120347	39297IR (73%)	3/28/2012		\$73,260.22	
	0109713	4020 PW 1298 (73%)	7/5/2012			\$24,420.08
	0859572	4020DRNY PW 1298	10/10/2013		\$29,097.85	\$9,699.28
					\$102,358.07	\$34,119.36
Total (Federal & State) Bundle 13:						\$136,477.43
16	02121964	39410IR	3/29/2012		\$72,476.55	
	0118980	4020 PW 1119, 1152	7/13/2012			\$24,158.86
					\$72,476.55	\$24,158.86
Total (Federal & State) Bundle 16:						\$96,635.41
21	0067063	RF2F 0112 UPS BA000093	6/11/2012		\$11,077.50	
	0103440	4020DRNY PW1144	7/2/2012			\$3,692.50
					\$11,077.50	\$3,692.50
Total (Federal & State) Bundle 21:						\$14,770.00
24	0085204	4020DRNY PW1492, 1494, 1542, 1799 ...	6/21/2012		\$146,501.90	
	0118980	4020DRNY PW1492, 1494, 1542, 1799 ...	7/13/2012			\$48,833.96
					\$146,501.90	\$48,833.96
Total (Federal & State) Bundle 24:						\$195,335.86

3/20/2015

## INSURANCE PROCEEDS AND FEDERAL AND STATE REIMBURSEMENTS

BDL	TRACE NUMBER Reference #	VOUCHER NUMBER Invoice # / check #	DATE	INSURANCE PROCEEDS RECEIVED	FEDERAL REIMBURSEMENT RECEIVED (75%)	STATE REIMBURSEMENT RECEIVED (25%)
44/100	0158834	4020DRNY PW1021, 1687, 3449 (0% of PW 2566)	8/7/2012		\$342,461.39	\$114,153.80
	0797921	4020DRNY PW 2566	9/3/2013		\$387,046.42	\$0.00
	1174385	4020DRNY PW 2566V2	4/21/2014		\$139,735.02	\$175,593.81
					\$869,242.83	\$289,747.61
					<b>Total (Federal &amp; State)</b>	<b>\$1,158,990.44</b>
					<b>Bundle 44:</b>	
49 (182 closeout)	0156989	4020DRNY PW4052, 4056, 4354, 4470 (65% of PW 3458)	8/6/2012		\$343,753.97	\$114,584.66
	1174385	4020DRNY PW 3458V1	4/21/2014		\$41,378.39	\$13,792.79
					\$385,132.36	\$128,377.45
					<b>Total (Federal &amp; State)</b>	<b>\$513,509.81</b>
					<b>Bundle 49:</b>	
53/179	0167147	4020 DR NY PW5322 (80%)	8/13/2012		\$152,919.39	\$50,973.13
	1097057	4020DRNY PW5322,5322v1	3/4/2014		\$33,017.50	\$11,005.83
					\$185,936.89	\$61,978.96
					<b>Total (Federal &amp; State)</b>	<b>\$247,915.85</b>
					<b>Bundle 53:</b>	
56	0169338	4020 DRNY PW 4350	8/14/2012		\$24,666.00	\$8,222.00
					\$24,666.00	\$8,222.00
					<b>Total (Federal &amp; State)</b>	<b>\$32,888.00</b>
					<b>Bundle 56:</b>	
59	0169338	4020 DR NY PW 5355, 5970	8/14/2012		\$9,073.74	\$3,024.58
					\$9,073.74	\$3,024.58
					<b>Total (Federal &amp; State)</b>	<b>\$12,098.32</b>
					<b>Bundle 59:</b>	
60	0169338	4020 DRNY VARIOUS PW BDL 60	8/14/2012		\$327,147.05	\$109,049.00
					\$327,147.05	\$109,049.00
					<b>Total (Federal &amp; State)</b>	<b>\$436,196.05</b>
					<b>Bundle 60:</b>	



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## INSURANCE PROCEEDS AND FEDERAL AND STATE REIMBURSEMENTS

BDL	TRACE NUMBER Reference #	VOUCHER NUMBER Invoice # / check #	DATE	INSURANCE PROCEEDS RECEIVED	FEDERAL REIMBURSEMENT RECEIVED (75%)	STATE REIMBURSEMENT RECEIVED (25%)
62	0198181	4020 DRNY VARIOUS PW'S BDL 62	8/31/2012		\$69,530.46	\$23,176.82
					\$69,530.46	\$23,176.82
					<b>Total (Federal &amp; State)</b>	<b>\$92,707.28</b>
					<b>Bundle 62:</b>	
65/161	0169338	4020 DR NY PW 6658 (85% of PW 6658)	8/14/2012		\$170,940.36	\$56,980.12
	0867046	4020DRNY PW 6658	10/16/2013		\$10,788.93	\$3,596.31
					\$181,729.29	\$60,576.43
					<b>Total (Federal &amp; State)</b>	<b>\$242,305.72</b>
					<b>Bundle 62:</b>	
67	0198181	4020 DRNY PW 6790	8/31/2012		\$4,005.35	\$1,335.11
					\$4,005.35	\$1,335.11
					<b>Total (Federal &amp; State)</b>	<b>\$5,340.46</b>
					<b>Bundle 67:</b>	
74	0198181	4020 DRNY PW 5986	8/31/2012		\$540,324.07	\$180,108.02
					\$540,324.07	\$180,108.02
					<b>Total (Federal &amp; State)</b>	<b>\$720,432.09</b>
					<b>Bundle 74:</b>	
76	0200901	4020 DRNY VARIOUS PW'S BDL 76	9/4/2012		\$21,587.41	\$7,195.79
					\$21,587.41	\$7,195.79
					<b>Total (Federal &amp; State)</b>	<b>\$28,783.20</b>
					<b>Bundle 76:</b>	
79	0217876	4020 DRNY PW 5560, 7334	9/14/2012		\$19,888.03	\$6,629.34
		check #3707732	11/18/2011	\$31,924.99		
				\$31,924.99	\$19,888.03	\$6,629.34
					<b>Total (Federal &amp; State)</b>	<b>\$26,517.37</b>
					<b>Bundle 79:</b>	

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## INSURANCE PROCEEDS AND FEDERAL AND STATE REIMBURSEMENTS

BDL	TRACE NUMBER Reference #	VOUCHER NUMBER Invoice # / check #	DATE		FEDERAL REIMBURSEMENT RECEIVED (75%)	STATE REIMBURSEMENT RECEIVED (25%)
84	0222573	4020 DRNY PW 7052	9/18/2012		\$89,330.29	\$29,776.76
					\$89,330.29	\$29,776.76
Total (Federal & State) Bundle 84:						\$119,107.05
87	0205989	4020 DR NY BDL 87	9/7/2012		\$186,238.55	\$62,079.52
					\$186,238.55	\$62,079.52
Total (Federal & State) Bundle 87:						\$248,318.07
89	0222573	4020 DRNY VARIOUS PW'S BDL 89	9/18/2012		\$44,094.72	\$14,698.23
					\$44,094.72	\$14,698.23
Total (Federal & State) Bundle 89:						\$58,792.95
93	0220226	4020 DRNY PW 7663	9/17/2012		\$6,391.09	\$2,130.36
					\$6,391.09	\$2,130.36
Total (Federal & State) Bundle 93:						\$8,521.45
97	0215405	4020 DR NY BDL 97	9/13/2012		\$24,758.36	\$8,252.78
					\$24,758.36	\$8,252.78
Total (Federal & State) Bundle 97:						\$33,011.14
98 (203 closeout)	0210447	4020 DRNY VARIOUS PW'S BDL 98 (75% of PW 7672, 1% of PW 7684)	9/27/2012		\$345,680.04	\$115,226.69
	2224991	4020DRNY PW 7672	1/8/2015		\$88,436.92	\$29,478.97
	2345364	4020DRNY PW 7672V1	3/13/2015		\$52,911.37	\$17,637.12
					\$487,028.33	\$162,342.78
Total (Federal & State) Bundle 98:						\$649,371.11

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**INSURANCE PROCEEDS AND FEDERAL AND STATE REIMBURSEMENTS**

BDL	TRACE NUMBER Reference #	VOUCHER NUMBER Invoice # / check #	DATE	INSURANCE PROCEEDS RECEIVED	FEDERAL REIMBURSEMENT RECEIVED (75%)	STATE REIMBURSEMENT RECEIVED (25%)
99	0240447	4020 DRNY PW 8305	9/27/2012		\$4,548.88	\$1,516.29

\$4,548.88 \$1,516.29

**Total (Federal & State) Bundle 99: \$6,065.17**

102	0240447	4020 DR NY BDL 102	9/27/2012		\$171,878.67	\$57,292.88
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\$171,878.67 \$57,292.88

**Total (Federal & State) Bundle 102: \$229,171.55**

107	0349179	4020 DRNY PW8112	12/5/2012		\$60,276.47	\$20,092.16
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\$60,276.47 \$20,092.16

**Total (Federal & State) Bundle 107: \$80,368.63**

111	0411311	4020 DRNY BDL 111 PW 8852	1/14/2013		\$18,959.99	\$6,320.00
	0797921	4020DRNY PW 8852	9/3/2013		\$63,474.76	\$0.00
	1159457	4020 DR NY PW 8852	4/11/2014		\$0.00	\$21,158.25

\$82,434.75 \$27,478.25

**Total (Federal & State) Bundle 111: \$109,913.00**

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## INSURANCE PROCEEDS AND FEDERAL AND STATE REIMBURSEMENTS

BDL	TRACE NUMBER Reference #	VOUCHER NUMBER Invoice # / check #	DATE	INSURANCE PROCEEDS RECEIVED	FEDERAL REIMBURSEMENT RECEIVED (75%)	STATE REIMBURSEMENT RECEIVED (25%)
116 (165, 182, 184, 196, 197 & 200 closeout)	0353442	4020 DR NY BDL 116 (0% of PW's 3992, 5495, 5509, 6189, 6601, 6695, 6919, 6954, 7107 & 7794; 21% of PW 8046)	12/7/2012		\$95,964.82	\$31,988.27
	0582713	4020 DRNY (Progress Payments for PW 7107, 8046 and 6919)	4/24/2013		\$256,327.46	\$85,442.49
	0797921	4020DRNY PW 3992, 5495, 5509, 6189, 6601, 6954 & 7794	9/3/2013		\$2,236,046.32	\$0.00
	0890784	4020DRNY PW 6954,6954V1	10/29/2013		\$318,750.14	\$407,500.00
	090889	4020DRNY PW6601MEMO236	11/18/2013		\$0.00	\$21,484.96
	1165224	4020DRNY PW 6695 (Progress Payment for PW 6695)	4/15/2014		\$390,012.75	\$130,004.25
	1176432	4020DRNY PW 3992V1	4/22/2014		\$865,060.90	\$678,036.51
	1307557	4020DRNY PW 6919	7/8/2014		\$178,214.65	\$79,871.45
	1352579	4020 DRNY PW6695 (Progress Payment)	7/29/2014		\$130,004.25	\$43,334.75
	2120312	4020DRNY PW7107 (Progress Payment)	11/5/2014		\$519,446.65	\$197,005.25
	2223336	4020DRNYPW4636v1,7107v1,7794v1	1/7/2015		\$209,008.11	\$69,669.37
	2223336	4020DRNY PW7794 (Progress Payment)	1/7/2015		\$24,698.23	\$8,232.74

\$100,000.00

\$5,223,534.28

\$1,752,570.04

Total (Federal &amp; State) Bundle 116:

\$6,976,104.32

120	0460163	4020 DRNY BDL 120 PW 5978	2/11/2013		\$1,040,768.64	\$346,922.88
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\$1,040,768.64

\$346,922.88

Total (Federal &amp; State) Bundle 120:

\$1,387,691.52



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**INSURANCE PROCEEDS AND FEDERAL AND STATE REIMBURSEMENTS**

BDL	TRACE NUMBER Reference #	VOUCHER NUMBER Invoice # / check #	DATE	INSURANCE PROCEEDS RECEIVED	FEDERAL REIMBURSEMENT RECEIVED (75%)	STATE REIMBURSEMENT RECEIVED (25%)
127	0406317	4020DRNY 9138	1/10/2013		\$3,634.11	\$1,211.37
					\$3,634.11	\$1,211.37
					<b>Total (Federal &amp; State) Bundle 127:</b>	<b>\$4,845.48</b>

131	0467165	4020 DR NY PW 7241, 8614, 8727	2/14/2013		\$122,322.47	\$40,774.15
					\$122,322.47	\$40,774.15
					<b>Total (Federal &amp; State) Bundle 131:</b>	<b>\$163,096.62</b>

141	0597700	4020 DR NY PW 9160	5/2/2013		\$55,172.20	\$18,390.73
		check #8119	5/16/2013	\$213,747.42		
					\$55,172.20	\$18,390.73
					<b>Total (Federal &amp; State) Bundle 141:</b>	<b>\$73,562.93</b>

143	0628516	4020DRNY PW8941	5/22/2013		\$140,582.61	\$46,860.87
	0797921	4020DR NY PW 8941	9/3/2013		\$361,495.64	\$0.00
	1165224	4020DRNY PW 8941	4/15/2014		\$2.50	\$120,499.38
					\$502,080.75	\$167,360.25
					<b>Total (Federal &amp; State) Bundle 143:</b>	<b>\$669,441.00</b>

**Total (Federal & State) \$16,249,585.30**

**Total (2014 - Federal) \$2,363,167.53**

**Total (2014 - State) \$1,492,400.57**

**Total 2014 Reimbursements \$3,855,568.10**

# HURRICANE IRENE PROJECT SUMMARY

FEMA - 4020 - DR - NY P.A. #039-99039-00

HURRICANE IRENE - INCIDENT PERIOD: AUGUST 26 THROUGH SEPTEMBER 5, 2011

REIMBURSEMENT STATUS

## PROJECTS UNDER CONSTRUCTION (PARTIAL PAYMENT RECEIVED) - BALANCE ANTICIPATED AT CLOSEOUT

PW NO. Ref #	BDL	CAT.	PROJECT SIZE	DAMAGED FACILITY	APPROVED PW AMOUNT	STATE & FEDERAL SHARES RECEIVED	PERCENT RECEIVED of Approved PW	STATE & FEDERAL BALANCE ANTICIPATED	INSURANCE ANTICIPATED
5355 99039B 3	59	E	Small	Court House - Mechanical Repairs	\$1,181.32	\$1,181.32	100%	\$0.00	\$5,611.58
5475 99039B 1	60	E	Small	Cairo Office Building Contents	\$4,780.07	\$4,780.07	100%	\$0.00	\$5,488.21
9138 9903969	127	E	Large	Greene County Highway Bldg.'s 1, 3 & 4 Contents	\$4,845.48	\$4,845.48	100%	\$0.00	\$154,964.04
9145 9903950	122	C	Large	Road Shoulders, Surface, Approach Ramp (25 Sites)	\$194,881.85	\$175,393.67	90%	\$19,488.18	\$0.00

**\$19,488.18** **\$166,063.83**  
(at project closeout)

# HURRICANE IRENE PROJECT SUMMARY

*Anticipated Payment Pending FEMA Audit \**

*Large Projects*

PW NO. Ref #	BDL	CAT.	DAMAGED FACILITY	APPROVED PW AMOUNT	STATE & FEDERAL SHARES RECEIVED	PERCENT RECEIVED of Project Cost	STATE & FEDERAL BALANCE ANTICIPATED	INSURANCE PROCEEDS RECEIVED	PROJECT COST
5978 UCBP290	120	D	Batavia Kill Watershed (Clarence D Lane Park Dam # NY 00615)	1,445,512.00	\$1,387,691.52	96%	\$53,477.98	\$0.00	\$1,441,169.50
6695 99039J1	116	C	CR40 (Maplecrest Road) over Batavia Kill - Bridge Replacement	\$693,356.00	\$693,356.00	73%	\$259,245.39	\$0.00	\$952,601.39
6919 99039J4	116	C	Mill Hollow (upper) over East Kill - Replacement	\$744,486.00	\$744,486.00	80%	\$185,154.80	\$0.00	\$929,640.80
7684 9903926	98	C	CR02 Near Prattsville Bridge	\$216,746.05	\$2,167.47	1%	\$590,891.82	\$0.00	\$593,059.29
8046 9903965	116	B	Municipal Files and Documents	\$609,300.42	\$336,754.23	55%	\$215,905.83	\$100,000.00	\$652,660.06
8852 UCBP292	111	D	Batavia Kill Watershed (Mitchell Hollow Dam)	\$109,913.00	\$109,913.00	75%	\$37,242.41	\$0.00	\$147,155.41
8941 UCBP291	143	D	Batavia Kill Watershed (Dam No. 3 - Nauvoo Dam)	\$669,441.00	\$669,441.00	99%	\$8,110.09	\$0.00	\$677,551.09
9160 99039E1	141	E	Greene County Highway Building Repairs and Cleanup (Bldg.'s 1, 3 & 4)	\$73,562.93	\$73,562.93	100%	\$49,238.41	\$213,747.42	Ins. Estimated = \$262,985.83

**\$1,399,266.73**

**Total All Categories:**

**\$17,577,990.47**  
(Approved PW Amount)

**\$16,249,585.30**  
(Shares Received)

**\$1,418,754.91**  
(Balance Anticipated)

**\* As of March 20, 2015**