

Borough of Chatham
Department of Public Works
2011 Annual Report

Public Property and Roads: (18,309 hours / 1670.5 overtime hours)

Mission Statement:

We are dedicated to provide professional services that will enhance the quality of life, safety and appearance of the Borough of Chatham. Through educational opportunities personnel continue on the cutting edge of technology. This enables us a means to provide residents with the most modern, efficient and cost effective services in maintaining and improving the infrastructure within the Borough.

Winter:

The winter of 2011 was comprised of several snow related events. The first part of the season consisted of twelve (12) minor storms. Nine (9) of these storms required plowing, and the remaining three (3) were treated with deicing material. The final storm of the year, October 29, 2011, was a record breaking snow bearing Nor'easter. This system produced several inches of extremely wet snow which in turn coupled with leaves still remaining on trees created havoc statewide. During the storm, numerous trees and limbs fell, taking down wires and utility poles throughout town. Power outages in some areas of town lasted for several days. Opening roads for travel was a tedious operation. The department worked in conjunction with the Borough's Police and Jersey Central Power and Light to assure that conditions were safe. In comparison this storm by far exceeded the damage created by Hurricane Irene's winds and ten (10) inches of rain. The final total snowfall accumulation for the 2011 was 35 inches.

Road Maintenance: (4923 regular hours / 1242 hours overtime)

The division's annual town wide pothole repair program continued during the winter months. Approximately three (3) tons of cold asphalt mix was used to make temporary repairs to Borough streets.

Permanent road repairs began in mid April and continued through mid October. The division processed thirty-two (32) residential generated incident requests and repaired a total of twenty-two (22) water ditches. They also prepared several roads for the 2011 Micro-Surfacing Program. In early August, Asphalt Paving Systems micro-surfaced seventeen (17) roads, a combination of the 2010 and 2011 micro- surface programs. The 2011 road repair program required 320 tons of asphalt.

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**Micro- Surfacing: Roads Resurfaced in 2011 –
 (2010 total -16,946 square yards) – (2011 total- 26,491 square yards)**

2010 Street	Limits	Square Yards
Clark Street	From Van Doren Avenue to Rowan Road	1368
Carmine	From Van Doren Avenue to Coleman Avenue	2793
Martin Place	Entire Length	1131
Elm Place	Entire Length	972
Rowan Road	From Van Doren Avenue to Jackson Avenue	6013
Walnut Street	Entire Length	1943
Orchard Road	Fairmount Avenue to Washington Avenue	2726
2011 Street	Limits	Square Yards
Parrot Mill	Entire Length	5600
Chaucer Place	Entire Length	1000
Henderson Road	Entire Length	580
Roosevelt Avenue	Entire Length	3500
Fuller Avenue	From Red Road north to dead end	3060
Bartow Lane	Entire Length	1055
Meadow Lane	Entire Length	750
North Summit Avenue	From Cornell Place north to dead end	2980
North Hillside Avenue	From dead end north to Cul-De Sac	5133

2011 Road Capital Improvements:

The following roads were overlaid in 2011

1. Chatham Street
2. Hedges Avenue
3. North Hillside Avenue- From Main Street to Weston Avenue
4. Woods Lane
5. Elmwood Avenue – from Weston to Milton Avenue

2012 Tentative Road Capital Improvements

Overlay the following roads.

1. Center Street from Weston Avenue heading north to dead end
2. Duchamp Place
3. Essex Road

2012 Continue Micro-surfacing program

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Drainage projects:

The division continued with its annual drainage improvement projects. Improvements were made to the lower section of Fuller Avenue to eliminate icy conditions during winter months. A trench was excavated along the west curb from #6 Fuller Avenue to #10 Fuller Avenue. Two (2) catch basins were built and (280) feet of (6") inch diameter drainage pipe was installed. Several sump pumps were connected to the underground system. A trench was then excavated from the lower catch basin, across the road, to a new catch basin built on the east side. The trenches were back filled and allowed to settle and then paved.

The next projects location was on Fairview Avenue - two hundred (200) feet west of the Washington Avenue intersection. Two (2) catch basins/dry wells were built on opposite sides of the road and connected with a six (6) inch diameter perforated pipe. The areas were back filled allow to settled and then paved.

The third location was in front of 25 Highland Avenue. A forty (40) foot trench was excavated along the east curb heading south to an existing underground storm water pipe junction box. A (6) inch pipe was tapped into the existing system and a catch basin was built on the opposite end. The areas were back filled allow to settled and the paved.

The fourth location, 16 Amherst, a sump pump pipe with an overflow pipe was attached to an existing catch basin. The area was then backfilled, top soiled, and seeded.

The final project was between 93 - 97 Kings Road. One hundred fifty (150) feet of four (4) inch drainage pipe was installed in the right of way connecting a sump pump to an existing catch basin vault. The area was then backfilled, top soiled, and seeded.

Grounds Maintenance:

The annual grass maintenance contract went out to bid in 2011 and D'Onofrio Landscaping was awarded a two (2) year contract for weekly lawn maintenance. The contract covered all parks, public buildings and public properties. The division continued cutting the grass inside the Community Garden fenced in area.

Recreation:

The division continued with its support of all recreation programs throughout the year. This is comprised of the daily or weekly maintenance of baseball, soccer, lacrosse and football fields. In addition, the division painted temporary lines for soccer, football and lacrosse on the Borough's artificial turf field at Lum. The Public Works Department also continued with daily ball diamond maintenance on Board of Education fields located at Milton Avenue and Washington Avenue Schools. The division also processes numerous "Request for Service" generated by the Recreation Department.

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Leaf collection:

Two weeks into the season due to the Nor'easter of October 29, 2011 the curbside leaf collection was put on hold until November 28, 2011. Combined with good weather and weekend overtime the department was able complete an entire one round collection of all zones by December 15, 2011. This year the volume of leaves collected in the curbside collection program was down a total of 770 cubic yards from last year. The contributing factors may have been that the public and landscapers were aware the mulch site was opened and brought leaves to the site in the event an early snow would prevent a collection this year. As well as, during the town wide brush collection the department collected a massive amount of brush with leaves still attached. The department normally collects in the neighborhood of 4,700 cubic yards of leaves, and private landscape companies bring in an additional 1,400 cubic yards.

Building Maintenance:

During the winter months, renovations continued at Borough Hall, the division spackled and painted the office space previously occupied by the Borough's Judge. They moved the Mayor into this office. Next they spackled and painted the Mayor's old office, and moved the Engineer into that office. And finally they moved an existing door and wall and painted the area the engineer once occupied, creating a new office space which was leased out to CPS.

The Court Clerk's office space was renovated next .They removed an existing interior pay window door and wall. The area was spackled and painted. And new carpet was installed.

Light bulbs throughout Borough Hall were periodically replaced as needed, and the division processed numerous "Request for Service" throughout the year.

Several areas at the Firehouse received a fresh coat of paint. In addition, the floors were stripped and seal.

2012 Building Maintenance Goal:

- ❖ Lower the upper section of the dais located in the Councils Chamber at Borough Hall six (6) inches. Paint dais, trim and doors.
- ❖ Paint offices in Police Department.
- ❖ Caulk and paint interior window frames at Firehouse.

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Shade Tree: (regular hours 4476 / Overtime 259.5)

The division conducted a scheduled annual brush pickup in March of 2011. In addition, town wide brush collections were performed in wake of Hurricane Irene and The Nor'easter of October 29, 2011. The division also responded to numerous storms related incident requests for service throughout town. Here is a list of the routine incident requests below.

	2011	2010
Shade Tree Requests	241	192
Pruned In House	143	97
Removed In House	53	45
Trees Contracted Pruning	16	24
Trees Contracted for Removal	18	15
Trees Removed by JCP&L	7	11
Trees Pruned By JCP&L	0	0
Shared Services Trees Removed- Summit	3	1
Shared Services Trees Trimmed-	1	0
Stumps Ground	66	
Trees Planted for Shade Tree	0	0

2012 Shade Tree Goals for:

Systematically work in sections from east to west in each zone, correcting tree issues caused by the October 2011 Nor'easter.

Signs and Traffic Control: (326 / regular hours)

Painted Lines

	2011	2011	2010	2010
Line Striping	Length in Feet	Gallons of Paint	Length in feet	Gallons of Paint
White	16,326	42	18,326	42
Yellow	8,319	20	17,470	42
Blue	1,100	5	1,100	5

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Thermoplastic lines

Color	2011	2011	2011	2010	2010	2010
	Length in feet					
	4" Lines	8" Crosswalks	12" Stop bars	4" Lines	8" Crosswalks	12" Stop bars
White		1,096	220		1,576	420
Yellow	2,774			2,125		

Completed Sign & Traffic Control Goals for 2011:

The Borough awarded Denville Line Striping Inc. the 2011 contract to apply thermoplastic traffic markings. The thermoplastic line striping program consisted of crosswalks, stop bars and yellow center lines.

Street sign poles were straightened throughout town.

The division processed numerous work orders regarding sign installation from the police department's traffic unit.

Sign & Traffic Control Goals for 2012:

Street sign poles were straightened throughout town.

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Fleet maintenance
2011 Yearly Report

Mission Statement:

This Division's primary responsibilities include maintenance, scheduling, service and repair of vehicles and equipment used by the Police, Fire and Public Works Departments in the most effective and cost efficient manner possible. Secondary responsibilities include making repairs to water plant equipment, well houses and sewer lift stations. Participate in ice and snow control and leaf maintenance as required.

Police Department:

The Police department purchased one (1) new sport utility vehicle and one (1) new patrol car to replace ageing units.

Police Vehicles

5- Marked units

3- Unmarked units

4- Sport utility vehicles

1- Parking meter car

1- Motorcycle

1- ESU truck

Public Works Department:

The Road Division purchased 1 Dump Truck to replace a unit that was 14 years old. This division purchased a new wheel balancer and a new hydraulic porter power to replace units that were 20 years old.

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Public Works Vehicles

4- Pickup Trucks

8- Dump Trucks

4- Mason Dump Trucks

2- Utility Service Trucks

1- Street Sweeper

2- Front End Loaders

2- Backhoes

1- Skid Steer Loader

1- Sewer Jet/Vacuum

1- Packer Truck

1- Sewer camera Van

1- Material Separator

1- Car (DPW)

1- Sport utility Vehicle

This Division also services another one hundred and two (102) pieces of equipment.

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Fire Department:

The division will be performing preventive maintenance on the Chief's vehicle and the department's pickup truck every 3000 miles. We will perform any emergency repairs needed to keep the fleet up and running at all times.

Fire Department Vehicles

- 3- Pumpers
- 1- Aerial Ladder truck
- 1- Rescue Truck
- 1- Pickup Truck
- 1- Sport Utility Vehicle

2011 Goals:

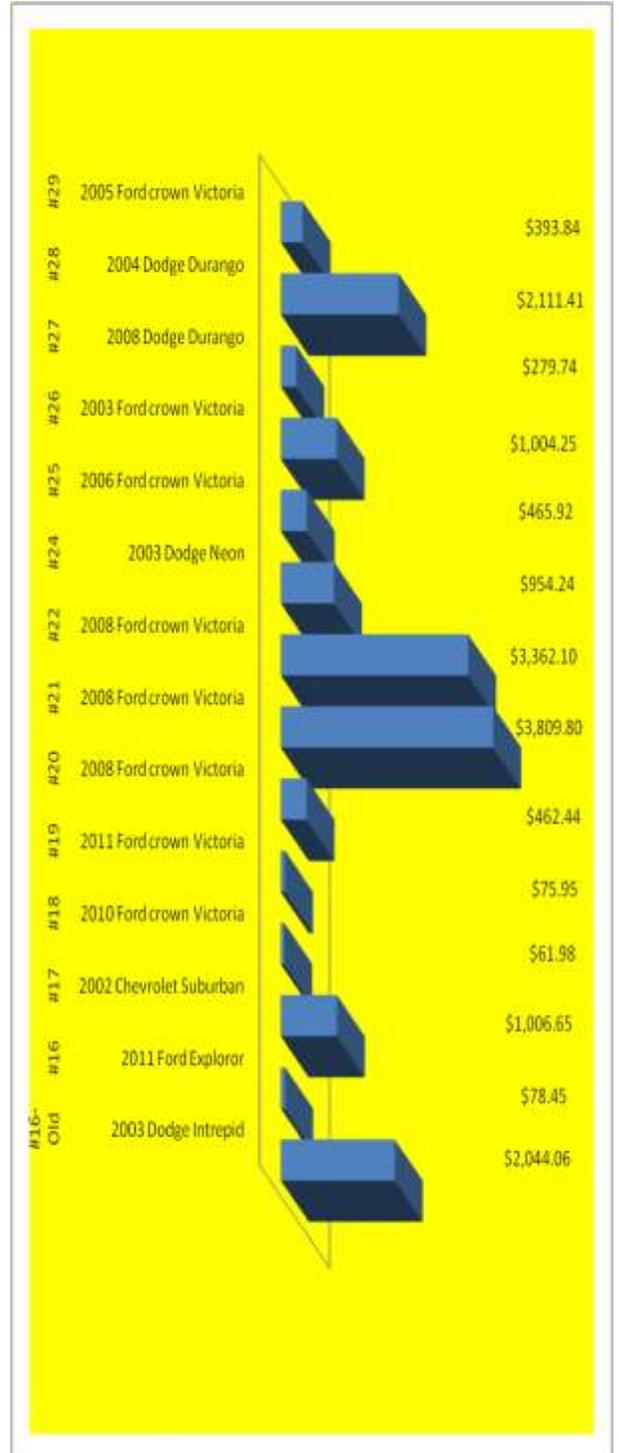
1. To purchase a new wheel balancer.
Purchased 9/15/2011
2. To Purchase a porter power unit.
Purchased 6/25/2010

2012 Goals:

1. To upgrade fuel island.
2. To update and expand parts stock.

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<u>Unit #</u>	<u>Description</u>	<u>Cost \$</u>
#16-Old	2003 Dodge Intrepid	\$ 2,044.06
#16	2011 Ford Explorer	\$ 78.45
#17	2002 Chevrolet Suburban	\$ 1,006.65
#18	2010 Ford crown Victoria	\$ 61.98
#19	2011 Ford crown Victoria	\$ 75.95
#20	2008 Ford crown Victoria	\$ 462.44
#21	2008 Ford crown Victoria	\$ 3,809.80
#22	2008 Ford crown Victoria	\$ 3,362.10
#24	2003 Dodge Neon	\$ 954.24
#25	2006 Ford crown Victoria	\$ 465.92
#26	2003 Ford crown Victoria	\$ 1,004.25
#27	2008 Dodge Durango	\$ 279.74
#28	2004 Dodge Durango	\$ 2,111.41
#29	2005 Ford crown Victoria	\$ 393.84
Total		\$16,110.83



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<u>Unit #</u>	<u>Description</u>	<u>Cost \$</u>
M-1	2004 Ford F-350 Service truck	\$ 152.46
PU#1	2009 Ford F-350 Pick up	\$ 126.56
PU#2	2001 Ford F-250 Pick Up	\$ 131.22
PU#4	2001 Ford F-250 Pick Up	\$ 153.77
W-1	2006 Ford F-550 Service truck	\$ 590.97
W-2	2004 Ford F-350 Pick Up	\$ 772.56
T-1	1997 Ford F-800 Dump Truck	\$ 353.02
T-2	2009 International Dump Truck	\$ 727.85
T-5	2005 International Dump Truck	\$ 348.09
T-6	2007 GMC Dump Truck	\$ 352.56
T-7	2007 International Dump Truck	\$ 348.62
T-8	2003 GMC bucket Truck	\$ 358.85
T-9	2003 GMC Dump Truck	\$ 456.67
T-10	2004 GMC Dump Truck	\$ 512.71
T-11	2008 Ford F-550 Mason Dump Truck	\$ 742.03
T-12	2004 GMC Dump Truck	\$ 974.95
T-14	2005 GMC Mason Dump Truck	\$ 1,981.79
T-15	2011 Ford F-550 Mason Dump Truck	\$ 2,083.97
T-16	2000 Ford F-350 mason Dump Truck	\$ 1,494.95

Total \$12,663.60



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<u>Unit #</u>	<u>Description</u>	<u>Cost \$</u>
#34	2004 International Sewer Jet	\$ 1,252.36
#35	2002 John Deere backhoe	\$ 725.42
#36	2002 Case Front End loader	\$ 1,370.67
#37	2004 John Deere Front End loader	\$ 3,643.26
#38	2005 John Deere Backhoe	\$ 880.58
#42	2006 Elgin Street Sweeper	\$ 295.95
#44	2002 Gehl Skid Steer	\$ 1,132.03

Total \$9,300.27



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<u>Unit #</u>	<u>Description</u>	<u>Cost\$</u>
LV #1	2008 ODB Leaf vac	\$1,573.44
LV #2	2008 ODB Leaf vac	\$1,998.66
LV #3	2004 ODB Leaf vac	<u>\$1,573.44</u>
Total		\$5,145.54

