

Chatham Borough  
Department of Public Works  
2007 Yearly Report

**Mission Statement:**

This Division's primary responsibilities include preventive maintenance, scheduling, service and repair of vehicles and equipment used by the Police, Fire, Construction and Public Works Department in the most effective and cost efficient manner possible. Secondary responsibilities include making repairs to both 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 replaced an aging unmarked unit with a new marked unit in 2007. In addition, they moved an aging unit from the Operations Lieutenant to Detective Bureau.

**Police Vehicles**

- 6- Marked units
- 7- Unmarked units
- 2- Sport utility vehicles
- 1- Parking meter car
- 1- Motorcycle

**Public Works Department:**

The Public Works Division purchased a new dump truck with a material spreader & plow. We have changed the color of the vehicles over to a white cab and yellow body and are now having the lettering painted on. This look is very professional and it enhances the overall image of the Public Works department. A vehicle wash station was purchased this year to comply with storm water regulations. It was installed in the spring by the Riveer Company. The unit is self contained and keeps any grease, oils and washing solvents from going into the storm drains and waterways.

**Public Works Vehicles**

- 4- Pick-up trucks
- 7- Dump trucks
- 3- Mason dump trucks
- 2- Utility service trucks
- 1- Street sweeper
- 2- Front end loaders
- 2- Backhoes
- 1- Sewer Jet
- 1- Camera van
- 1- Royer material spreader
- 2- Cars (Construction/ 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 pick-up truck every 3000 miles. We will perform any emergency repairs needed to keep the fleet up and running at all times. We replaced all 10 tires on the ladder truck this year.

**Fire Department Vehicles**

- 3- Pumpers
- 1- Aerial ladder
- 1- Rescue truck
- 1- Pick-up truck
- 1- Sport utility vehicle

**2007 Goals:**

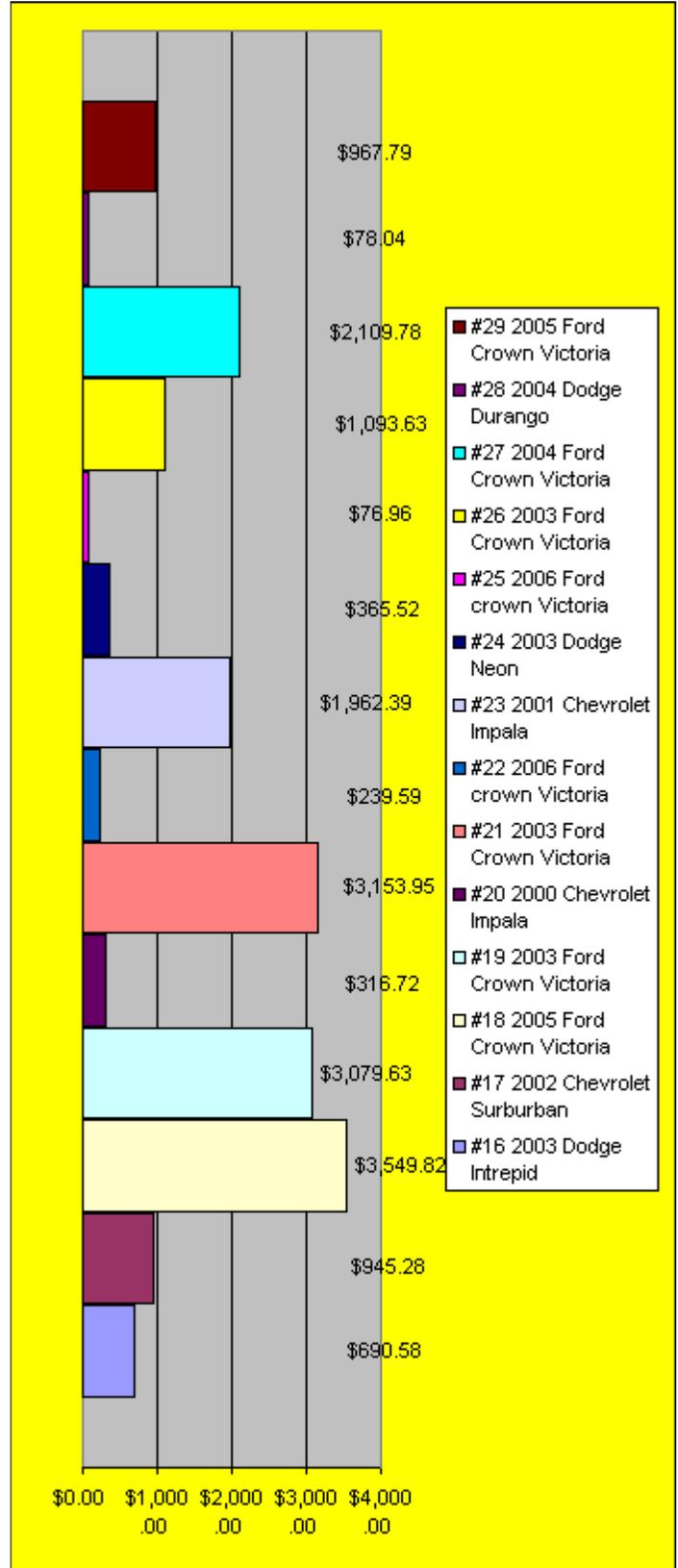
1. Purchase a spreader storage rack. This rack is attached to the spreader for safe operation of mounting, dismounting and storage of salt spreader.  
*Purchased in June of 2007*
2. Purchase a Hydraulic Hose crimping machine. This machine is used to make hydraulic hoses in house.  
*Purchased in January of 2007*
3. Purchase a computer scanner for the medium and heavy duty trucks. This scanner is used to retrieve engine and transmission codes from the vehicles computer.  
*Purchased in January of 2007*

**2008 Goals:**

1. To purchase a spreader storage rack for the third material spreader.
2. To purchase a new desk top computer for keeping records.
3. To purchase a new Steam cleaner/power washer for washing vehicles and equipment.
4. To purchase a new Mig welder replacing a 12 year old unit for welding metals up to 1/2" thick.
5. To purchase a new Arc welder replacing a 30+ year old unit for welding metals up to 1 1/2" thick.
6. To insulate and heat lower garages.

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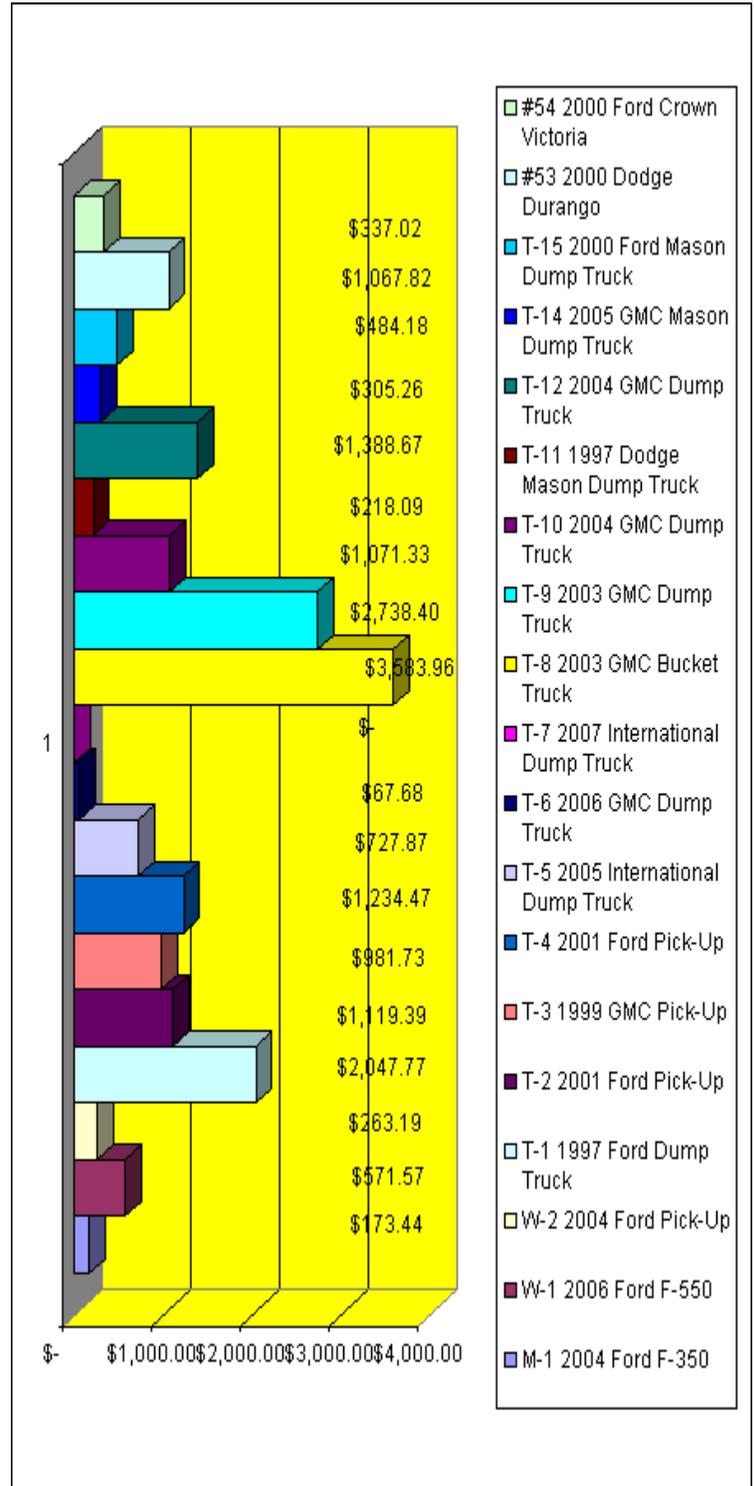
<u>Vehicle #</u>	<u>Description</u>	<u>Cost</u>
#16	2003 Dodge Intrepid	\$690.58
#17	2002 Chevrolet Suburban	\$945.28
#18	2005 Ford Crown Victoria	\$3,549.82
#19	2003 Ford Crown Victoria	\$3,079.63
#20	2000 Chevrolet Impala	\$316.72
#21	2003 Ford Crown Victoria	\$3,153.95
#22	2006 Ford crown Victoria	\$239.59
#23	2001 Chevrolet Impala	\$1,962.39
#24	2003 Dodge Neon	\$365.52
#25	2006 Ford crown Victoria	\$76.96
#26	2003 Ford Crown Victoria	\$1,093.63
#27	2004 Ford Crown Victoria	\$2,109.78
#28	2004 Dodge Durango	\$78.04
#29	2005 Ford Crown Victoria	\$967.79
<b>Total</b>		<b>18,629.68</b>



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**Public  
 Works**

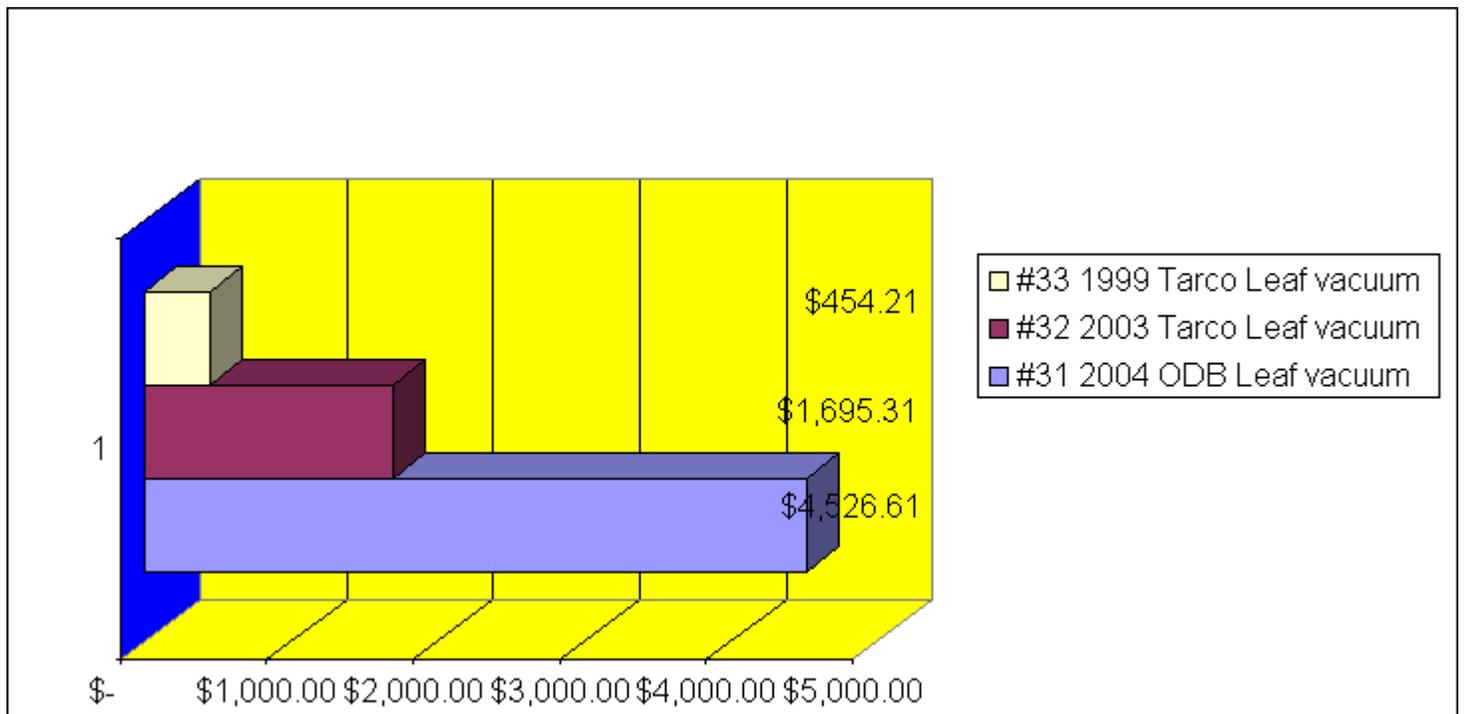
<u>Vehicle #</u>	<u>Description</u>	<u>Cost</u>
M-1	2004 Ford F-350	\$ 173.44
W-1	2006 Ford F-550	\$ 571.57
W-2	2004 Ford Pick-Up	\$ 263.19
T-1	1997 Ford Dump Truck	\$ 2,047.77
T-2	2001 Ford Pick-Up	\$ 1,119.39
T-3	1999 GMC Pick-Up	\$ 981.73
T-4	2001 Ford Pick-Up	\$ 1,234.47
T-5	2005 International Dump Truck	\$ 727.87
T-6	2006 GMC Dump Truck	\$ 67.68
T-7	2007 International Dump Truck	\$ -
T-8	2003 GMC Bucket Truck	\$ 3,583.96
T-9	2003 GMC Dump Truck	\$ 2,738.40
T-10	2004 GMC Dump Truck	\$ 1,071.33
T-11	1997 Dodge Mason Dump Truck	\$ 218.09
T-12	2004 GMC Dump Truck	\$ 1,388.67
T-14	2005 GMC Mason Dump Truck	\$ 305.26
T-15	2000 Ford Mason Dump Truck	\$ 484.18
#53	2000 Dodge Durango	\$ 1,067.82
#54	2000 Ford Crown Victoria	\$ 337.02
<b>Total</b>		<b>\$18,381.84</b>



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Leaf Vacuums

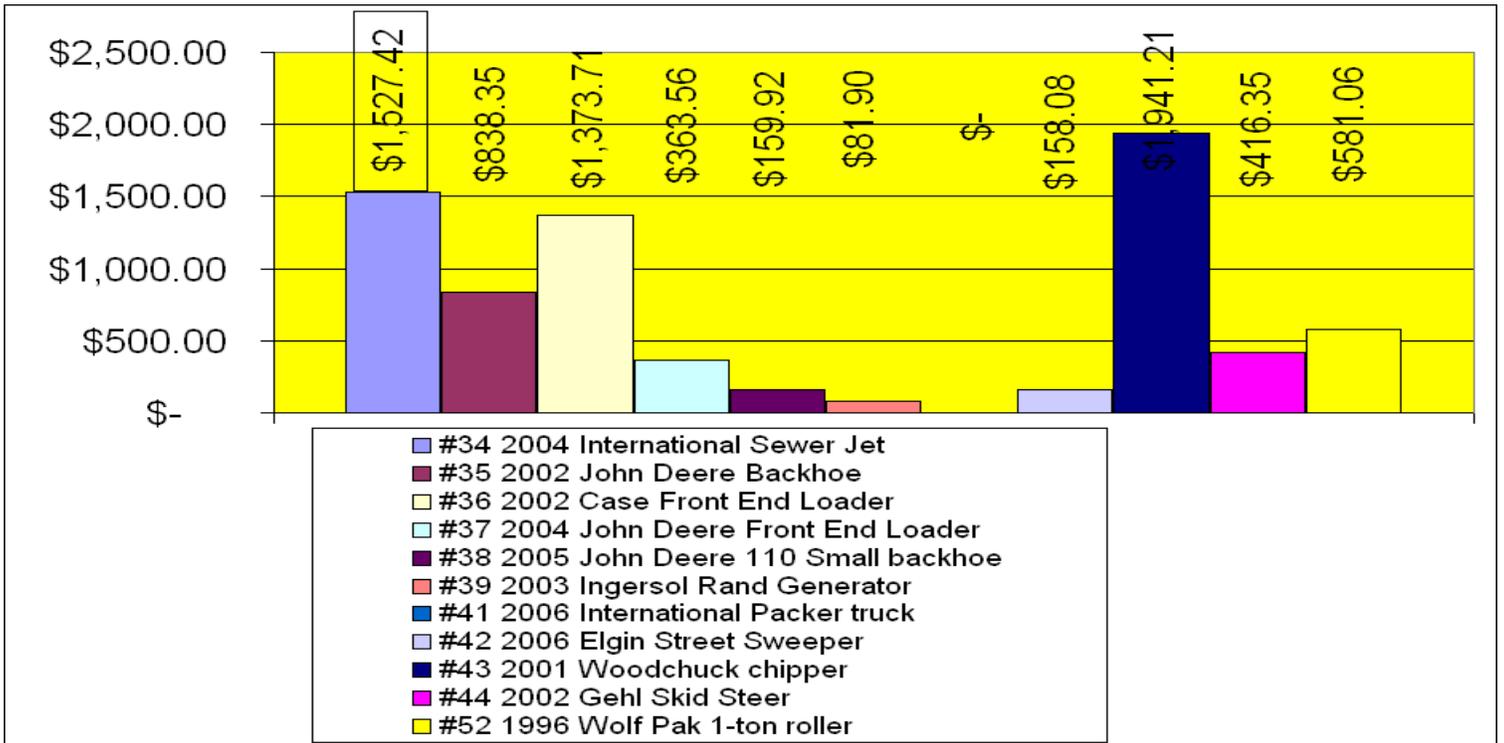
<u>Vehicle #</u>	<u>Description</u>	<u>Cost</u>
#31	2004 ODB Leaf vacuum	\$ 4,526.61
#32	2003 Tarco Leaf vacuum	\$ 1,695.31
#33	1999 Tarco Leaf vacuum	\$ 454.21
	<b>Total</b>	<b>\$ 6,676.13</b>



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**Equipment**

<u>Vehicle #</u>	<u>Description</u>	<u>Cost</u>
#34	2004 International Sewer Jet	\$ 1,527.42
#35	2002 John Deere Backhoe	\$ 838.35
#36	2002 Case Front End Loader	\$ 1,373.71
#37	2004 John Deere Front End Loader	\$ 363.56
#38	2005 John Deere 110 Small backhoe	\$ 159.92
#39	2003 Ingersol Rand Generator	\$ 81.90
#41	2006 International Packer truck	\$ -
#42	2006 Elgin Street Sweeper	\$ 158.08
#43	2001 Woodchuck chipper	\$ 1,941.21
#44	2002 Gehl Skid Steer	\$ 416.35
#52	1996 Wolf Pak 1-ton roller	\$ 581.06
	<b>Total</b>	<b>\$ 7,441.56</b>



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2007 International Dump Truck



Hydraulic Hose machine

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Vehicle Wash Station



Vehicle Wash Station

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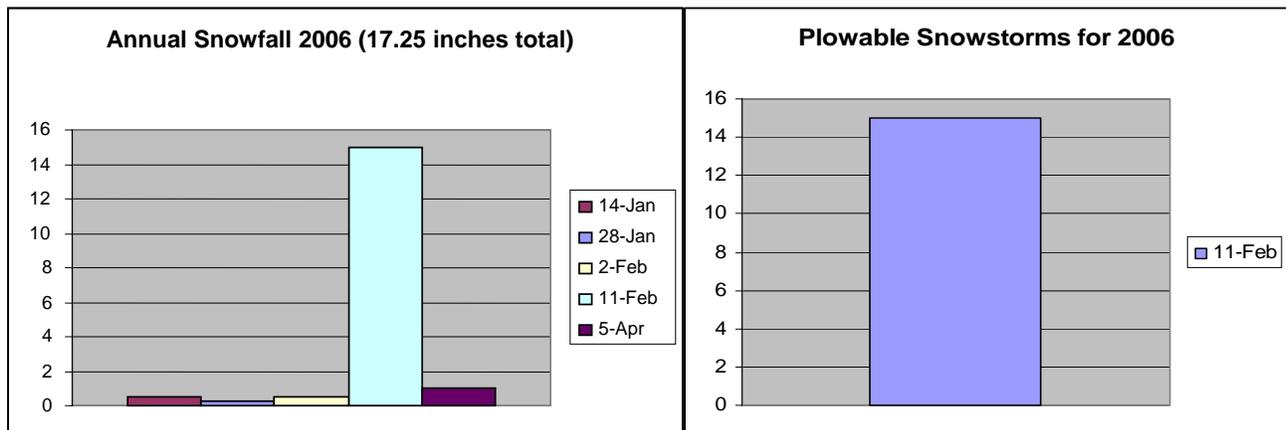
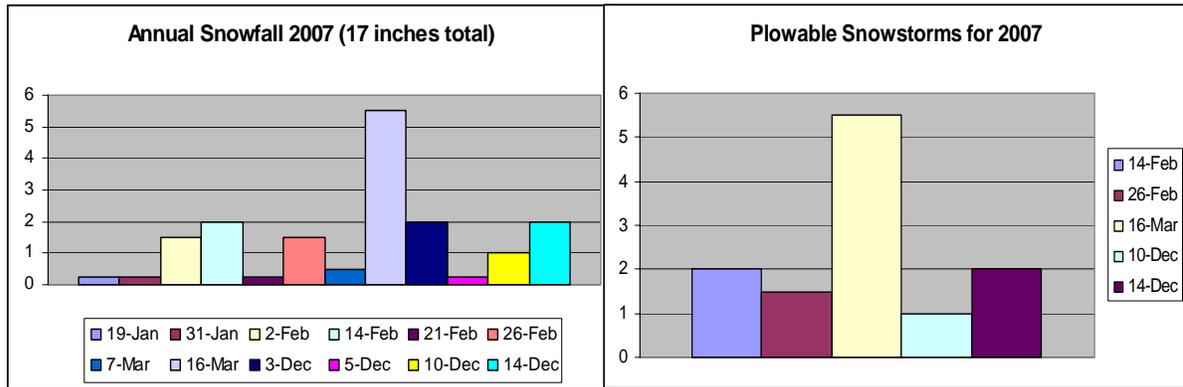
**Public Property and Roads: (regular hours 18,437/ 1,012.5 hours overtime)**

**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 to continue with modern, efficient, cost effective services maintaining and improving the infrastructure within the Borough.

**Winter:**

The winter season of 2007 exceeded the previous year's weather trend with extremely mild temperatures the entire year. The snow season consisted of twelve (12) snow events. Five (5) minor storms required plowing and the remaining seven (7) were treated with deicing material. The only substantial storm of the season occurred on March 16, 2007. It was a slow moving storm that brought a total of 5 ½ inches of snow to our area. The comparison charts below give a contrast between the 2006 and 2007 seasons.



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**Road Maintenance: (regular hours 5,803 / 938.5 hours overtime)**

The division continued with the annual town wide pothole repair program during the winter months. Approximately three tons of cold patch was applied in various locations making temporary repairs. Several water ditches were also repaired. The season's permanent road repairs began in early April and continued through late October. Several large areas on the south end of North Hillside Avenue required sub-base repairs to correct a severe allegation problem. The areas were saw cut and old material excavated to a depth of ten inches. The area was then back filled with two inch of stone, six inches of base and two inches of top. The division repaired twenty-five water and three sewer ditches. Repairs were made to numerous resident generated incident requests, as well as, preparing several seal coat roads for treatment. The 2007 road repair program required a total of 376.5 tons of asphalt.

To alleviate an icing condition caused by sump pump discharges on Overlook Road the Borough Engineer developed a plan to connect the sump pumps to the existing Stormwater system. Under the direction of the Borough Engineer (Vince DeNave); Leo Pietrantuono, Mike Kliesch and Joe Zbesko excavated a two hundred sixty foot (260') long trench on the south side of Overlook Road. They tapped into an existing twelve inch storm sewer pipe on Bridge Street and installed two hundred sixty feet (260') of storm sewer pipe and a catch basin. The area was backfilled and paved once the ditch settled.



**2007 Road Capital Improvements:**

The following roads which were scheduled for overlay in 2007 were move up to 2008.

1. South Passaic Avenue from Second Street to dead end
2. Chandler from Fairmount to Washington Avenue.
3. Burgess Street

**2008 Road Capital Improvements:**

The following roads which were scheduled for overlay in 2007

1. South Passaic Avenue from Second Street to dead end
2. Chandler from Fairmount to Washington Avenue.
3. Burgess Street
4. Van Doren Avenue
5. Woodland Avenue
6. Elmwood Avenue from Main Street to Weston Avenue

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**Sealcoat Treatment: (2007 total -10,898square yards)**

After necessary road repairs the following areas were sealcoated by Morris Asphalt Incorporated on July 25, 2007.

Street	Limits	Square Yards
Elmwood Avenue	Weston to Milton Avenue	1,431
Fern Avenue	Entire length	2,662
Yale Street	Center Street to N Passaic	560
Harvard Street	Both sides of North Passaic	1,616
Lincoln Avenue	From Chatham Street to Orchard Road	1,629
Edgehill Avenue	From Watchung Avenue to Lafayette Place	3,000

**Completed Road Division Goal for 2007:**

1. Sealcoat Program

- ❖ Survey entire town and choose roads which required attention by January 30, 2007
- ❖ Estimate cost and finalize list by February 15, 2007
- ❖ Begin road repairs to sealcoat list April 1, 2007
- ❖ Complete repairs by July 15, 2007
- ❖ Have Purchasing Agent develop a Purchase Order- July 15, 2007
- ❖ Have roads sealcoated by August 15, 2007.

The entire process was completed according to above plan. In fact the roads were sealcoat on July 25, 2007.

**Road Division Goal for 2008:**

**Improve the quality of maintenance program to Borough secondary roads.**

- ❖ Change the present sealcoat product to a microseal which is more durable, and does not bleed during hot days.

**Grounds Maintenance:**

Exceptionally warm weather in the spring, as well as, a record mild fall was the key factor in this year's ability to keep up with the appearance of the Borough. The usual spring cleanups, mulching of beds, were completed in a timely fashion. Routine maintenance of lawns once again began in mid April and concluded in mid November. Due to the mild fall with the first freeze occurring on November 5, 2007, the majority of leaves fell late in the season. This of course had a domino effect; the leaf bag collection and fall cleanups of Borough owned properties continued into 2008. Mark Preziosi Inc, of Livingston New Jersey was awarded the grass maintenance contract for 21 areas.

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**Completed Grounds Maintenance Goal for 2007:**

**Add mulch to all planting beds in town**

The department added mulch to all planting beds in town. This was completed in a timely fashion prior to end of May. Not only does this add to the appearance but also aids in weed control and water conservation.

**Ground Maintenance Goal 2008:**

**Concentrate on improving the quality of turf at Borough Hall, Firehouse and Library.**

- ❖ Top-dress damaged turf areas, aerate, seed and treat weeds

**Recreation:**

The division supported recreation programs throughout the spring, summer and fall months. This included 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 new Borough's artificial turf at Lum. A resolution also was passed this year allowing Public Works to take over the maintenance of the two ball diamonds located at Milton Avenue School. Both fields are used as part of the Recreation Program. Public Works supplied the labor and the school system supplied the clay. The entire clay infield perimeter was sod cut. Pitcher mounds and home plates were installed and clay was added to make the infields safe for play.

**2007 Completed Goals**

1. Sod cut baselines and renovated Memorial east and west ball diamonds and add infield clay.
2. Add ball diamond clay to all fields:

The division concentrated on Memorial West ball diamond this season. Sod cutting the baselines, removing the excess grass, and adding clay to raise and level the entire infield. The remainder of the ball diamonds in town also received additional clay.

(See the pictures below).



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**2007 Goal:**

1. To close Shepard Kollock field in late August and renovate grass field
  - ❖ Make arrangements to borrow Board of Education’s Top-dresser and Aerothacher/Seeder by February 15, 2007.
  - ❖ Have utilities check irrigation system by March 30, 2007
  - ❖ Complete purchasing necessary soil, seed ,fertilizer and hay by July 15, 2007
  - ❖ Close field late in August. Mark out sprinkler heads and valves.
  - ❖ Week of August 27, 2007 roll and aerate entire playing field.
  - ❖ Week of September 4, 2007 fill in ruts, top dress & seed and apply hay to damaged areas.
  - ❖ Week of September 10, 2007 complete repairs to turf over seed entire playing field and fertilize new lawn area. Complete renovation by September 14, 2007.
  - ❖

This goal was removed in mid summer and the fields were used for recreation this fall. The Recreation Department informed us of plans to close the field in 2008. The plan is to completely renovate the ball diamonds and turf fields. This work will be outsourced through public bid.

**2008 Recreation Goal:**

Improve the quality of turf at Memorial, Lum and Shepard Kollock

- ❖ Borrow Equipment from Summit or Chatham Township
- ❖ Top-dress worn areas seed and hay
- ❖ Aerate the entire field and over seed areas
- ❖ Apply fertilizer, lime and weed control

**Leaf collection:**

The program began on Tuesday, October 9, 2007. Mild temperatures persisted for most of the season resulting in a delay of leaves falling. The curbside leaf vacuum program ended on December 19, 2007. The trucks used for curbside collection were prepared for plowing and deicing. Remaining leaves (bagged) in town were collected on a daily basis right into 2008. The mulch area hours were also extended to assist residents.

	Vacuum/ Claw	Man-hours	# Brown Bags	Man-hours	Landscapers
2007	3,640	1,645.5	19,327	327	1,789 Cu/yd
2006	4,181 Cu/Yd	1,671	20,000	340	2,446 Cu/yd

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**Building Maintenance:**

**Completed Building Goals for 2007:**

Mike Kliesch and several employees spent the majority of the winter months completing office renovations at Borough Hall. The new Tax Office received a secure pay window counter, fresh coat of paint and new carpeting. The former Tax Office received an enclosed office space within and was painted. This became the Borough Clerk's new office. Next up, a portion of wall was removed and a door installed connecting the previous Administrator and CFO offices. It was then painted and became the Recreation Department's office. The final renovation was the conversion of the Engineering Office to the central mail room and copier center.

The division also made numerous repairs and painted selected rooms and hallways at Police Headquarters during September. This was done in preparation for the upcoming accreditation inspection.



**2008 Building Maintenance Goal:**

- ❖ Paint both the north and south side stairwells at Borough Hall
- ❖ Paint the bathroom on the second floor of the Firehouse

**Shade Tree: (2,559 regular hours / 33 overtime hours)**

The Shade Tree division conducted a scheduled annual brush pickup in March of 2007.

	2007	2006
Shade Tree Requests	221	192
Pruned In House	105	118
Removed In House	72	37
Trees Contracted Pruning	22	8
Trees Contracted for Removal	8	14
Trees Removed by JCP&L	11	5
Trees Pruned By JCP&L	3	10
Stumps Ground	75	57
Trees Planted for Shade Tree	0	0
Trees raised along walks Zone 2 & 3 in addition to requests	242	290

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**Completed Shade Tree Goals for 2007:**

**1. Prune and raise small trees to seven feet along sidewalks.**

The division completed Zones #2 & #3 - raising small trees along sidewalks.

**Signs and Traffic Control: (332 regular hours)**

**Painted Lines**

	2007	2007	2006	2006
Line Striping	Length in Feet	Gallons of Paint	Length in feet	Gallons of Paint
White	18,550	42	18,643	43.3
Yellow	17,670	40	17,677	40.8
Blue	1,100	5.0	1,170	5.0



**Thermoplastic lines**

Color	2007	2007	2007	2006	2006	2006
	Length in feet					
	4" Lines	8" Crosswalks	12" Stop bars	4" Lines	8" Crosswalks	12" Stop bars
White		1135	270		1607	229
Yellow	2774			1585		

**Completed Sign & Traffic Control Goals for 2007:**

The Borough awarded Denville Line Striping Inc. the 2007 contract to apply thermoplastic traffic markings. The thermoplastic line striping program consisted of crosswalks, stop bars and yellow center lines.

Street sign poles were straighten through out town.

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

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**Water Plant, Treatment, and Distribution**  
**(Regular Hours 4,898 / Overtime Hours 335)**

**Mission Statement:**

Primary responsibility of this Division is to supply the Borough of Chatham with the production, treatment and storage of clean drinking water of the highest standards. The Division follows the standards set by the Safe Drinking Water Act and the New Jersey Department of Environmental Protection regulations.

The Division is also responsible for the maintenance of the sanitary sewer collection system along with its three sewer lift stations. This is for the conveyance to the waste water treatment plant, so it can be returned to the environment free of contaminants.

The Division is also responsible for the maintenance of the mulch resource area. This is accomplished by the recycling of leaves, grass, and brush brought to the area. These materials, after processing, can then be returned to residents of Chatham.

In addition, the Division is responsible for the maintenance of the Recycling Resource Center. This area is for residents to deposit paper products, glass, plastic, metal products and textiles. This function in turn takes these recyclable goods out of the solid waste stream and returns them for reuse.

**Water Plant:**

The water plant received the beginning stages of a new SCADA (supervisory control and data acquisition) system. This system is on a designated computer which receives production output amounts for record keeping and state reports.

Electrical conduit line was run for the SCADA system at the standpipe by Division personnel.

**Distribution System – Water Meters:**

Two-hundred thirty two (232) Water Meters were installed in 2007. Of those meters, thirty one (31) were for outside lawn irrigation watering.

In August, the Department drained standpipe tank # 3. This was done so an outside contractor could come in clean and repaint the tank.

The spring and fall hydrant flushing program was conducted and produced some broken hydrants not known to the Department. And hydrant painting program continued through the spring and summer months.

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**Valve Replacements:**

Address	Date	Remarks
Lafayette & Woodland	3/9/07	Raise Valve Box to Grade
N. Summit & Yale	6/13/07	Replace 6" Valve (north)
50 E. Coleman Ave.	6/20/07	Replace 4" Valve
N. Summit & Cornell	10/25/07	Replace 6" Valve
N. Summit & Yale	10/25/07	Replace 6" Valve (south)

**Fire Hydrant Replacements:**

Address	Date	Remarks
48 University Ave.	3/14/07	Replaced Old Darling Hydrant
42 Roosevelt Ave.	3/29/07	Replaced Old Darling Hydrant
16 University Ave.	4/13/07	Replaced Old Darling Hydrant
28 University Ave.	4/13/07	Replaced Old Darling Hydrant
121 N. Summit Ave.	6/13/07	Replaced Broken Eddy Hydrant
34 E. Coleman Ave	6/20/07	Replace Broken Darling Hydrant
132 N. Hillside Ave.	8/8/07	Replace Old Eddy Hydrant
111 Washington Ave.	8/15/07	New Mueller Hydrant Installed
158 Watchung Ave.	8/16/07	Eddy Hydrant Removed from Service
22 Cornell Pl.	9/5/07	Replace Broken Eddy Hydrant
6 Milton Ave.	9/18/07	Replaced Old Eddy Hydrant
200 Washington Ave.	9/25/07	Replace Broken Eddy Hydrant
37 Bowers Ln.	9/26/07	Repair Mueller Hydrant
49 Tallmadge Ave.	10/2/07	Replace Broken Darling Hydrant
63 Tallmadge Ave.	10/2/07	Replace Broken Darling Hydrant
101 Washington Ave.	10/4/07	Replace Broken Eddy Hydrant
14 Cherry Lane	10/17/07	Replace Broken Eddy Hydrant
17 Bridge St.	10/29/07	Replace Broken Darling Hydrant
65 Lafayette Ave.	10/31/07	Repair / Replaced Operating Nut
15 Fuller Ave.	11/8/07	Replace 2 Spud Eddy Hydrant

All Replaced Hydrants are Mueller #423 with Steamer Connection.

\*Note Every Hydrant Changed Receives a New 6" Valve.

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**Water Service Replacements:**

<b>Address</b>	<b>Date</b>	<b>Remarks</b>
<b>26 Roosevelt Ave.</b>	<b>1/10/07</b>	<b>Replaced Lead Service</b>
<b>148 Center St.</b>	<b>2/1/07</b>	<b>Replaced Lead Service</b>
<b>26 Orchard Rd.</b>	<b>4/24/07</b>	<b>Replaced Lead Service</b>
<b>49 S. Passaic Ave.</b>	<b>5/24/07</b>	<b>Repair 2" Service Valve</b>
<b>Chatham Library 214 Main St.</b>	<b>6/6/07</b>	<b>Repaired 1 ½ " Service Leak Front Lawn</b>
<b>12 E. Coleman Ave.</b>	<b>6/25/07</b>	<b>Replaced Lead Service</b>
<b>66 Fairmount Ave.</b>	<b>6/5/07</b>	<b>Replaced Lead Service</b>
<b>81 Washington Ave. (St. Patrick's Church)</b>	<b>7/10/07</b>	<b>Replace Leaking 2" Corporation &amp; Saddle</b>
<b>58 N. Summit Ave.</b>	<b>7/24/07</b>	<b>Replace Lead Service</b>
<b>44 Hedges Ave.</b>	<b>7/26/07</b>	<b>Replace Lead Service</b>
<b>242 Washington Ave.</b>	<b>9/19/07</b>	<b>Installed New 1 ½" Service</b>
<b>37 Edgehill Ave.</b>	<b>12/17/07</b>	<b>Replace Broken 1" Corporation</b>

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**Curb Box Repairs:**

<b>Address</b>	<b>Date</b>	<b>Remarks</b>
186 Main St.	1/24/07	New Curb Stop / New Key Box
40 Tallmadge Ave.	2/13/07	Repair Curb Stop / New Key Box
130 Chatham St.	2/28/07	Repair Curb Stop / New Key Box
40 Rowan Rd.	3/5/07	Repair Curb Stop / New Key Box
50 Tallmadge Ave.	3/27/07	Repair Curb Stop / New Key Box
46 Minton Ave.	4/2/07	Key Box repaired
9 N. Hillside Ave.	4/2/07	Key Box Repaired
9 Edgehill Ave.	4/3/07	Repaired curb Stop
138 Weston Ave.	4/3/07	Repaired Curb Stop / New Key Box
12 Fern Ave.	4/3/07	Repaired Key Box
123 Washington Ave.	5/1/07	Repaired Curb Stop / New Key Box
124 Fairmount Ave.	5/3/07	Repaired Curb Stop / New Key box
30 Hillside Ave.	5/14/07	Repaired Curb Stop / Key Box
1 Sussex Ave.	5/16/07	Repaired Curb Stop / New Key Box
64 Highland Ave.	5/16/07	Repaired Curb Stop / New Key Box
27 Girard Ave.	5/22/07	Repaired Curb Stop/ New Key Box
22 Essex Rd.	5/29/07	Repair Curb Stop / New Key Box
42 Dellwood Ave.	5/29/07	Repair Curb Stop / New Key Box
17 Oak Dr.	6/1/07	Key Box Repair
15 Rowan Rd.	6/11/07	Repair Curb Stop / New Key Box
86 Fairmount Ave.	7/9/07	Repair Curb Stop
231 Main St.	7/19/07	Repair Leaking Curb Stop & New Key Box
195 Watchung Ave.	9/7/07	Key Box Repaired
175 Watchung Ave.	9/10/07	Key Box Repaired
47 Kings Rd.	10/10/07	Repair Key Box / New Key Box
27 E. Coleman Ave.	10/11/07	Repair Curb Stop / New Key Box
33 Inwood Rd.	10/22/07	Repair Curb Stop / New Key Box
249 Main St.	11/15/07	Repair Curb Stop / New Key Box
15 Sussex Ave.	12/18/07	Repair Curb Stop / New Key Box
52 Hedges Ave.	12/19/07	Repair Curb Stop / New Key Box

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**Emergency Water System Repairs:**

On Sunday November 23, 2007 the department received a complaint of low water pressure on Center Avenue. Results of the investigation resulted in a main leaking at the intersection of North Passaic Avenue and Princeton Street. A crew was assembled and the six (6) inch main connecting Princeton Street to North Passaic Avenue was repaired.

**2007 Goals:**

1. Replacement of Twelve (12) Hydrants. (Seventeen (17) Hydrants were replaced).
2. Completion of installation of new SCADA water well and pumping control system. (Computer and Well controls have been completed so far.)
3. Replacement of lead service lines found in the system. (Seven (7) Lead Services were discovered and replaced).
4. Continuation of the hydrant painting program. (Several hydrants received a fresh coat of paint).

**2008 Goals:**

1. Replacement of twelve fire hydrants
- 2 Hydrant flushing and painting
3. Continue changing lead service line when found in the system.
4. Take the last round of lead and copper samples (20) in July.

**Sewer Collection System: (1,164 regular hours / 61 overtime hours)**

**Mission Statement:**

Primary responsibilities are to keep the sanitary sewer infrastructure system in good working condition. This in turn prevents sewer back ups into homes causing damage to home owners property and or the environment. This is accomplished through routine cleaning of sewer mains and the scheduling of quarterly inspection or cleaning of trouble areas in the system. In addition, the division can inspect the inside of mains using a crawler camera to pinpoint areas to be repaired. This unit is a shared service jointly with Long Hill Township.

**Sanitary Sewer Collection System:**

132,783 feet of pipe clean during the year; this is an increase of 13,907' over the previous year. Four broken manhole lids were replaced during the course of the year.

**Sewer Emergencies:**

Three sewer backups were reported to the Department last year by home owners. All were minor stoppages that were cleared by our sewer Jet / Vac truck.

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**Maintenance of Sewer Lift Stations:**

October of this year saw the start of the refurbishing of the Jackson Avenue Lift Station. This is in a timely manner, as the stations #1 pump began to give the department trouble. The #1 pump was removed three times during the year to be cleaned. The drive shaft was repaired on motor # 1 at Jackson Avenue Lift Station in October of 2007. The compressor oils were changed quarterly on Riverview and Parrott Mill stations.

**Sewer Repairs:**

On March 30 2007 the Department responded to a problem at 142 River Road. Previously Verizon installed a telephone pole next to the 8" sewer main. During the drilling operation rocks moved by the auger in the hole. This in turn caused a breach in the main. The Division dug up the main and replaced a 15' section of transite sewer main. On August 28, 2007 the Division was called to repair the sewer main at #78 Coleman Avenue exposed by PSE&G. A 7 foot section of 12" clay pipe was replaced with PVC. While the pipe was exposed the camera was used to inspect the 340' section of pipe from Clark Street to Weston Avenue. It was found to be cracked and in poor shape. Quotes were obtained for a capital improvement for the replacement in 2008. On August 29, 2007 the division repaired an 8" sewer main at 15 Chatham Street. A 13' section of broken clay pipe was replaced with PVC and fernco connections. This repair was conducted after the inspection by the sewer pipe inspection camera. Manholes at # 67 & #81 Kings Road received repairs to the bottom channel on October 11, 2007.

**2007 Goals:**

1. Clean one-hundred twenty-five thousand feet of pipe. (One-hundred thirty two thousand seven hundred and eighty three feet of pipe was cleaned).
2. The refurbishing of Jackson Avenue Lift Station. (Work on the station began in October).
3. Camera sewer mains on roads earmarked to be resurfaced. (Camera work was done on Burgess St., Elmwood Ave.)

**2008 Goals.**

1. Clean one-hundred forty thousand feet of pipe.
2. The completion of the refurbishing and training of personnel on the Jackson Avenue Lift Station.
3. The replacement of sewer main on Coleman Avenue from Clark Street to Weston Avenue.

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**Mulch Area: (909 regular hours / 317 overtime hours):**

Leaf windrow temperatures are taken on monthly basis, and the leaves are turned to complete the mulching process. In September the broken down leaves are then stock piled for use by the residents.

An outside tub grinding company was brought in to grind large wood pieces and brush to make Hammer Mill for our residents. Also a small portion of leaves were ground. The area received wood chips on the outer perimeter of the area. Mulch deliveries are taken through out the year.

**Parks Activities:**

In May, the Department started the process of preparing the pool for the upcoming summer season. The schedule included draining and cleaning pools, painting, and filling of both pools. Start up of the filtering systems, and checking for any leaks. This year the pool bath house received a fresh coat of paint. And the bath house trim color was changed to an eye appealing blue from the old aqua marine color. The next area to receive attention was the chain link fence around the pool which was showing some rust. This involved the arduous task of painting the fence.

In September the pool and bath house was winterized and water shut off for the season.

**Recycle Center: (358 regular hours / 10.5 overtime hours):**

The Recycle Center had the stockade fence on the Summit Avenue side replaced by a new one. The fence then received a coat of wood preservative. Weeds were removed and Hammer Mill applied from our mulch site to dress up the area.