

Borough of Chatham
Department of Public Works
2013 Annual Report

Public Property and Roads:

2012-Regular hours- 18,309

2013-Regular hours- 18,309

2012- Overtime hours-1501

2013- Overtime hours-980.5

34.677% decrease

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 2013 was a relatively mild one. The entire season was comprised of several minor snow related events. The first part of the season, consisted of five (5) minor storms. Two (2) storms required plowing, and the remaining three (3) were treated with deicing material. During the second part of the season one (1) storm required plowing and a few minor events required deicing.

Road Maintenance:

2012-Regular hours- 4325

2013-Regular hours- 4729

9.341% increase

2012-Overtime hours-755

2013-Overtime hours-871.5

15.43 % increase

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 early April and continued through mid October. The division processed thirty-eight (38) residential generated incident requests and repaired a total of twenty-nine (29) water ditches. They also prepared ten (10) roads for the 2013 Micro-Surfacing Program which Asphalt Paving Systems micro-surfaced in Mid-August of 2013. In comparison to the 2012 road repair program which required (409) ton of asphalt, the 2013 required (402) tons of asphalt. An overall (1.7 %) decrease in the amount of asphalt required.

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Micro- Surfacing:
2012- total 26,468 square yards –
2013- total square yards-27,636
4.4% increase

2013 Street	Limits	Square Yards
Coleman Avenue	From Weston Avenue to Circle	3,621
Sussex Avenue	Entire Length	1,421
Mercer Avenue	Entire Length	1,506
Penn Terrace	Entire Length	1,113
Somerset Avenue	Entire Length	1,495
Orchard Road	From Lafayette to dead end	1,586
Front Street	Washington Avenue to train station lot	1,600
Inwood Road	From Lafayette Avenue to town line	3,386
Oak Road	From Lafayette Avenue to town line	3,633
Essex Road	Entire Length	4,511
Meadowbrooke	Entire Length	3,764

2013 Road Capital Improvements

The following Roads were overlaid in 2013

1. Kings Road
2. Lafayette Place
3. Charles Place
4. Colonial Way

2014 Continue Micro-surfacing program

2013 Replace sidewalk, curbing, and complete necessary road repairs to (16) locations remaining from Hurricane Sandy's uprooting of trees.

During the winter months the division made necessary repairs to the sixteen (16) areas damaged by uprooted trees during Super Storm Sandy. Tree stumps were excavated, a number of sidewalk slabs were replaced, curbing was reset and necessary road repairs were performed. The areas were back filled a dressing of topsoil and seed was applied in early spring.

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Drainage:

2012-Regular hours- 1516

2013-Regular hours- 1368

9.7% decrease

2012-Overtime hours- 7

2013-Overtime hours- 10.5

50% increase

Annual drainage improvement projects continued in 2013.

The division built a new catch basin vault, installed a frame, grate and head between 45 and 47 North Hillside Avenue. The road was excavated and a (30) foot piece of pipe was installed connecting the vault to the system. The area was backfilled, compacted allowed to settle, and then paved.

The division then focused on improving drainage between 78 and 84 Coleman Avenue. Two (2) catch basin vaults were built in order to redirect water from flowing over the sidewalk. A catch basin vault basin was built in the ROW and a flat grate was installed. A second basin vaulted was build along the curb line and a frame grate and head were installed. A six inch (6") pipe was installed under the sidewalk connecting the two basins. The road was then excavated and a 12 inch piece of pipe was installed connecting it to the existing storm water system. All areas were backfilled, compacted allowed to settle, and then paved.

The third drainage project was located in front of 45 and 46 Broadview Terrace. Catch basin vaults were built and frame, gates and heads were installed in front of each of the addresses. The road was then excavated and the basins were connected to the existing storm water pipe in the center of the road. All areas were backfilled, compacted allowed to settle, and then paved.

The final drainage project was located at 48 River Road. Repairs were made to a existing drainage ditch to alleviate the overflowing of water on to River Road and down Perrin Street during storms. An existing one hundred (100) foot section of clogged thirty inch (30") diameter drainage pipe was removed and replaced. A head wall was fabricated at the upper end of the pipe, and connected directly to a existing catch basin located along the curb line. The areas were back filled, compacted and allowed to settle and then paved. As part of the routine drainage maintenance program the division removed debris from drainage ditches, catch basin grates/vaults, and repaired numerous catch basin vaults over the year.

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Recreation:

2012-Regular hours- 1643

2013-Regular hours- 1317

19.8 % decrease

2012-Overtime hours-4

2013-Overtime hours-0

100 % decrease

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. 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.

This year outfield drainage improvements were made to the Sheppard Kollock Park ball diamonds. This project was headed up by Borough Engineer Vince De Nave, and Pavelec Brothers were awarded the contract to make the necessary improvements. The field was closed for the remainder of the year.

During late summer and early fall, the division focused on downsizing the south side ball diamond. The overall arc size of the ball diamond was reduced by Sixty feet (60') in length. This will make regulatory softball diamond. The project began with a crew removed existing clay from the area approximately eight inches (8") deep and stock piling it on the north ball diamond for reuse. The area was then back filled with soil remaining from the drainage project. Utilizing the departments screening machine top soil was created and the turf area was top dressed and seeded. Once the outfield was renovated the division began utilizing the stock pile of clay and raised the entire ball diamond crowning it in order to allow water to flow off the field. The only materials purchased for this project was grass seed and salt hay. Remaining ball diamond clay and topsoil will be used for the renovations north ball diamond as soon as weather permits in the spring of 2014 with the part remaining clay.

As part of recreation programs annual maintenance schedule additional clay was added to all ball diamonds. New carpet mulch was applied to the playground fall zones at Shepard Kollock, Memorial and Garden Parks.

2014 - Renovate Shepard Kollock Park north ball diamond

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2014 Building Maintenance Goal:

- ❖ Borough Hall -Spackle and paint all three main entrances and hallway leading to Recreation Department
- ❖ Renovations of previous Construction Office- remove necessary walls, spackle and paint entire office. Move records to Madison and file cabinets and desks for auction to Public Works.

Shade Tree:

2012-Regular hours- 5460
2013-Regular hours- 2973
45.5%- Decrease

2012-Overtime- 655
2013-Overtime- 36.5
94% - Decrease

Here is a list of the routine incident requests below.
 From January 1, 2013 thru December 31, 2013

	2012	2013	
Shade Tree Requests	412	138	- 66.5%
Pruned In House	246	57	-76.8%
Removed In House	95	36	-62.1%
Trees Contracted Pruning	39	12	-69.2%
Trees Contracted for Removal	20	15	-25%
Trees Removed by JCP&L	12	18	+50%
Trees Pruned By JCP&L	0	0	0
Shared Services Trees Removed- Summit	0	0	0
Shared Services Trees Trimmed-	0	0	0
Stumps Ground	76	78	+2.6%
Stumps dug out (Sandy)		56	
Trees Planted for Shade Tree	0	0	

The division conducted a scheduled annual brush pickup in March of 2013.
 The division also responded to numerous storms related incident requests for service throughout town.

2013 Shade Tree Goal:

Remove all (56 stumps) remaining from Hurricane Sandy prior to spring backfill top soil and seed areas.

Completed- all 56 stumps remaining from Hurricane Sandy were removed and the area's were backfilled with topsoil and seeded in early spring.

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2014 Shade Tree Goal

Continue raising low trees branches along roads and sidewalks.

Signs and Traffic Control:

2012 Regular hours- 191

2012 Overtime 5 hours

2013 Regular hours- 161

2012 Overtime 0 hours

15.7%- Decrease

100%- Decrease

Traffic Lines Painted

	2012	2012	2013	2013	
Line Striping	Length in Feet	Gallons of Paint	Length in feet	Gallons of Paint	
White	18,326	42	19,263	44	+5.1%
Yellow	17,470	40	17,220	39	-1.4%
Blue	1,100	5	1,100	5	0%

Traffic Lines Thermoplastic

Color	2012	2012	2012	2013	2013	2013	
	Length in feet						
	4" Lines	8" Crosswalks	12" Stop bars	4" Lines	8" Crosswalks	12" Stop bars	
White		2,477			3695		+49.172
			311			721	+131.8%
Yellow	2,508			2,200			-12.2%

Completed Sign & Traffic Control Goals for 2013:

The Borough awarded Denville Line Striping Inc. the 2013 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. And signs missing from Super storm Sandy were replaced.

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

Sign & Traffic Control Goals for 2014:

Street sign poles were straightened throughout town and replace faded signs