

**CITY OF DANBURY
DEPARTMENT OF PUBLIC WORKS**



**155 DEER HILL AVENUE
DANBURY, CONNECTICUT 06810
(203) 797-4537 FAX (203) 796-1586**

**MAYOR
Honorable Mark D. Boughton**

**PUBLIC WORKS DIRECTOR
Antonio Iadarola, P.E.**

February 24, 2009

Honorable Mayor Mark D. Boughton
Honorable Members of the Danbury Common Council
155 Deer Hill Avenue
Danbury, CT 06810

RE: Monthly report for January 2009

Dear Mayor Boughton and Members of the Common Council:

I am pleased to present to you the Public Works Department report for the month of January.

Mother Nature dealt a very serious blow to the area on January 7, 2009 when a major ice storm came into the area. This storm caused treacherous road conditions as well as a copious amount of tree and limb breakage. An additional crew was mobilized to assist the Forestry Division to clear and open roads into the night to allow for safe passage. The crews worked under very difficult conditions in the darkness and freezing rain. The following morning the Forestry Division reported back to work at 4:30AM to clear over night damage. I appreciate their hard work and commitment to the residents of the City of Danbury. It has been a tough winter for all of us in Public Works.

Due to the number of storms this season, we have been monitoring the sand and salt supply very closely. With back-to-back storms and temperatures never getting above freezing, the stockpile

of winter material can get used up very quickly. In addition, there is a lack of salt available at this time. We are in the process of evaluating and estimating our needs for the remainder of the season to ensure safe travel for the residents of the city.

We have been researching used equipment to purchase in order to perform more in-house work and stretch our budgets. Next year will be a tough year to keep up with normal maintenance of our vast infrastructure. We have looked at a used paving box and excavator as equipment that will allow us to do more work in-house and increase efficiency with drain installations.

Should you have any questions regarding this report or any of the separately submitted division's reports, please call me at 797-4537.

Construction Services report submitted by Thomas H. Hughes III, Superintendent of Construction Services:

Backus Avenue Bridge over Miry Brook

The plans have been reviewed for constructability and comments forwarded to the City Engineer and designer. We are in the process of finalizing the plans & specifications with the Engineering Department and preparing the bid documents. I have met with the utility companies to finalize the sequencing for the temporary pole relocations.

White Street Streetscape – The contractor has completed 100% of the entire construction on the north and south sides of White Street Phase I. In conjunction with the Planning Department, we have extended the project into the Phase II portion of the design. The contractor's bid came in approximately \$270,000 under the estimate and the second bidder. This has allowed the City to increase the project limits and the contractor has agreed to hold their unit prices. The contractor has begun working on Phase II of the streetscape north west of the railroad tracks and is at 99% completion. CL&P has energized the second set of lights. The remaining plantings will take place in the spring.

Kenosia Spray Park – We met with the Public Utilities consultant, LGB, and forwarded information for the change of use permit required by the State Department of Health due to the proximity of the drinking water wells. We continue to work with LGB and have answered all the State Department of Health's comments. LGB, our consultant, has submitted the management plan to the State Department of Health. Once we receive the approval, we will proceed with construction.

Rogers Park Soccer Fields – The contractor, Excavation Technologies, has removed the soil for disposal (impacted non – hazardous soil) for the Rogers Park Field. The adjacent parking lot soil disposal has been completed. We are now moving forward with remediated the soccer field to sub-grade additional organic material was removed at the direction of the designer to ensure the fields integrity. As the material is being removed the clean material is being placed. The drainage outfalls and the four corner structures inside the field have been installed. Working with the City engineer, we are finalizing the artificial field and equipment. We have been researching the purchase of the field and equipment through a government cooperative program. This should result in a significant savings to the City.

Danbury High School ADA & Egress - The Engineering Division has hired an architect from our on-call consultants. Construction Services walked through the DHS with our on-call architect and are awaiting his report. From there, Construction Services will move forward with implementing and general contracting the compliance project from our City bid list and necessary vendors through quotes, which will reduce costs to the City. We have completed the additional code compliance work addressing the tread nosing in all non-compliant stair wells cited by the State of CT.

Danbury High School Hall of Fame – We met with Jim Blansfield. The first phase will be the construction of a new trophy case. We are waiting to receive from the Danbury High School Hall of Fame architect the construction documents necessary for bidding. Mr. Blansfield has stated he is in the process of getting these documents. We are ready to bid this phase of the project once we receive the construction documents. We have contacted a contractor and requested a quote for the construction of the trophy case.

Roberts Avenue School

Construction Services has taken over the day to day project management from O&G. The project is now administrated in-house. O&G finished their contract on October 31, 2008. Construction Services will be working in conjunction with the City Engineer to complete this project. The City of Danbury has saved \$ 350,000.00 in construction management fees by Construction Services assuming the construction management of this school project.

Pocono Lane

Construction Services met with the owner of the adjacent property and have worked out a soft buffer and fence line. The construction started on 11/20/08 and was completed in nine (9) days. The fence has been installed; the soft buffer plantings will be planted in the spring. We have encumbered the funds and issued a P.O. to L&L Evergreens for the plants which will be planted by the Public Works Forestry Division.

East Franklin Street Bridge over Padanaram Brook

The DOT has issued a report for this structure identifying the abutment being undermined from scour. We are reviewing the scope of the repair and will be hiring an on-call engineer for this work.

Long Ridge Road

A stone culvert crossing damaged during the April 2006 Northeaster has been inspected. The structure appears to be failing. With the City Engineer, we are developing a scope for the necessary repairs to avoid failure of the culvert and road.

Williams Street

We are currently working with the City Engineer to develop the scope for sidewalk, drainage and roadway improvements. This project will be funded by CDGB. The project will be administrated by Construction Services once it was been awarded.

Homeless Shelter

We are assisting the Health Department Director, Scott Leroy, in developing a scope of work for a CDGB project. The project will encompass installing a video system for security and to make

energy efficient improvements to the existing structure.

Should you have any questions regarding this report or any issues related to the Construction Services Division, please feel free to call me at 796-8069.

Engineering report submitted by Farid L. Khouri, P.E., City Engineer:

A second mail survey was sent to those who would benefit from the Short Street and Lombardi Street Area sanitary sewer project. Results of the mail survey will be compiled in January and sent to the Ad Hoc committee for action.

The design for the Tilden Road and Olive Street Area sanitary sewer project is 95% complete. The City met with property owners to discuss the drainage routes and easements needed. A successful resolution was reached after the meeting, and a decision on the possible drainage route and easement was agreed upon. The City's consultant will complete survey and preliminary drainage design as soon as possible (weather dependent).

The Cornell Hills sanitary sewer and water project drawings are 95% complete. The Engineering Department sent a letter to residents with the revised preliminary assessments based on the updated cost estimate. An information meeting for residents will be held in January to discuss the project.

Aqua Vista: Our consultant has revised the draft feasibility study for the extension of City water to the Aqua Vista Community based on the State's comments. The City is reviewing the executive summary and will finalize the submittal next month.

We have also started gathering information on various sanitary sewer assessment projects.

Roberts Avenue Replacement School Project: Site work is 80% complete, and the outer shell of the structure is complete. Interior wall framing and sheet rock, painting, rough plumbing, heating, electrical and sprinkler are 85% complete. Interior CMU masonry is 100% complete. Perimeter radiant heat is on, and classroom casework is being installed. Ceramic tile is being installed as are ceiling grid and diffusers. All kitchen appliances have been delivered.

Police Department Headquarters Project: Site work is completed. The outer shell of the structure is complete. Ceiling grids are complete. Tiles, VCT and carpet are being installed. Painting is 80% complete. The shooting range equipment is installed. Both elevators are complete, and State inspections will occur this month. Most of the doors are installed. Hardware installation has begun. The prisoners' cell equipment and doors have been installed.

The Traffic Engineer and two (2) Traffic Engineering Technicians are involved in the on-going maintenance, inspections and enhancement of a variety of traffic signal control devices, collection and analysis of data and monitoring of traffic operations during peak travel hours. On a regular basis, the Traffic Engineer is involved in the review and approval of land-use developments and the handling of public requests relative to traffic operations and safety. The

division is currently working on improvement of the intersection of Germantown Road and Osborne Street as well as updating of traffic signal coordination for intersections.

Staff Engineers review various site plans, water and sewer applications, special exception applications, and subdivision applications for land-use approval of ongoing development projects throughout the City. In addition, field inspection is performed regularly for these developments.

Our survey crew is currently working on: Laurel Street, Shelter Rock Road and William Street; a City-wide drainage study; survey for replacement of a culvert on Long Ridge Road; survey for intersection improvements at Hospital Avenue and Germantown Road; easements for the Ives Trail along the Old Post Road. They have also been learning the new GPS system.

The Pocono Lane site plan was submitted and was approved. The road has been constructed and is open to traffic.

Candlewood Lake Education Center Project: The City has received preliminary plans of the exterior and interior of the building. We are presently working on zone modifications.

The City hired BL Companies to work on the Kennedy Park area, Beautification of Main Street, Bandshell, Streetscape and enhancement to the downtown area. Scope of work and proposals are under review.

DHS ADA plans: City hired on-call consultant, Rodriguez Associates, to prepare plans to comply with the State of CT/SFU ADA requirements. Report has been forwarded to the State for review.

Boehringer Ingelheim: Our office has been working with the Corporation Counsel to secure the necessary (six) easements to perform the work. Five of the six easements have been secured.

Backus Avenue Bridge: The City met with the design engineer and finalized plans and specifications. Project will be bid out in January 2009.

GIS: The City purchased a GPS machine to complete the required State of Connecticut General Storm Management Permit. Work will be completed in-house which will result in a savings to the City of \$300,000.

Traffic Signal Coordination Optimization: The City has hired VHB (one of our on-call traffic consultants) to study 30 congested intersections within the City's boundaries.

Should you have any questions regarding this report or any other issues related to your Engineering Division, please do not hesitate to contact me at 797-4641.

Forestry report submitted by Mark Miller, Foreman of Forestry Department:

The City was hit hard with a heavy ice storm which moved into the area on January 7, 2009. A significant amount of tree damage and downed limbs were sustained, but with the help of the Highway and Parks Departments we were able to get all roads opened by the next day. Tree

damage was sustained at the following forty-three (43) locations, Boulevard Dr., Kilian Dr., Highland Park Dr., Long Ridge Rd., Olympic Dr., Tarrywile Lake Dr., Maryann Dr., Robinhood Dr., Brandon Dr., Ralto Ct., Wintergreen Hill, Tiffany Dr., Maplecrest Dr., School Ridge Rd., Fox Den Rd., Mendes Rd., Abbott Ave., Hitching Post La., Timbercrest Dr., King Street School, Zinn Rd. Coach Rd., Stuart Dr., Aunt Hack Rd., Tanglewood Dr., Saddle Rock Rd., Westville Ave., French St., Chamber Rd., Brushy Hill Rd., Deer Hill Ave., Forest Ave., Washington Ave., Roger Ave., Victor St., Ken Oaks Dr., Boyce Rd., Ole Musket La., Ward Dr. South, Mountainville Ave., Lake Ave. and Segar St., Deal Dr. and Acre Dr. I would like to express my appreciation for the assistance from CL&P removing trees and limbs from the power lines in order to restore power.

In addition to dealing with all of the tree damage, the Forestry Division also plowed school parking lots and cleared the downtown cross walks during this storm and the balance of the storms in January.

Please contact me at 797-4609 if you should have any questions. Thank you.

Highway report submitted by Dave Cook, General Foreman Public Services:

The Highway Division has had a very busy start in the New Year. During the month of January, the Highway Division continued to maintain the roadways in our community. The division responded to six (6) storm events this month and continues to maintain the plows and trucks for the remainder of the winter season. The severe ice storm on January 7, 2009 was particularly challenging due to downed trees and limbs blocking some of the roadways.

Two crews are working on hundreds of potholes throughout the City. In spite of the winter conditions, six (6) new signs were installed and dozens of repairs were completed.

The garbage truck continues to canvas the downtown area for cans and other debris on a daily basis, weather permitting.

With the assistance of the Parks Department, the roadside Christmas tree pick-up was very successful once again this year. Approximately 2,000 trees were collected and recycled.

Should you have any questions regarding this report, please feel free to contact me at 797-4605.

Parks Maintenance report submitted by Dave Cook, General Foreman of Public Services:

The Park Maintenance Division continues to maintain walkways, parking lots, crosswalks, bridges and other City areas during and after storm events. The crew partnered with the Forestry Division to remove downed trees and limbs resulting from the severe ice storm that came into the area on January 7, 2009.

The ornamental lights and decorations were removed from the downtown area and placed in storage for next season. The Park Maintenance Division also assisted with the Christmas tree pick-up and replenishing the sand barrels used by the residents.

Winter maintenance of the mowing equipment continued throughout the month.

Should you have any questions regarding this report, please feel free to contact me at 797-4605.

Public Buildings report submitted by Rick Palanzo, Superintendent of Public Buildings:

January was unusually busy for the Public Buildings staff. The department backlog of work requests continues to grow due to one employee out on injury leave. The maintenance mechanics of the Public Buildings division are to be commended for their hard work keeping the city facilities operating smoothly, and for assisting in snow removal operations.

The City Hall emergency generator is installed and working very well. The transition from outage to generator power is less than ten seconds. This increased generator will allow us to participate in an ISO -NE program to help shed the power demand in the summer and make a few dollars for the city through our participation.

The office paper recycling program that began in November is working well. We have had to add additional containers at the Library, City Hall and the Police HQ to handle the volume of recyclable paper. We are recycling the bulk of our office paper.

The new boiler installation began January 5, 2009 at King Street Intermediate School has been completed and the boiler is now operational, with no impact upon the schools' operations. This new boiler is approximately 86% efficient and will greatly reduce the fuel consumption at this school. We will replace the second boiler at KSI in the summer 09 recess.

Sprint wireless has begun a project which will improve reception throughout City Hall. This is being performed at no cost to the city and at the city's request, due to spotty (poor) reception in many parts of city hall. This work has been completed ahead of schedule and reception is greatly improved.

We are adding an access control system to Veterans Hall which will alleviate the need for a key for the various veteran groups to enter the building for their meetings and business.

Attached please find the statistical analysis for repairs and maintenance work that the Public Buildings Mechanics engaged in during the month of January. In the month of January we received 205 new work requests and completed 171 work requests. In reviewing this report, you will find the repair time that was expended in major work categories, (current month versus previous month). Also listed is the total number of work order hours completed, (current month versus the previous month).

Our department was heavily engaged in plumbing repairs of the City's buildings and schools with a total of 150.00 man-hours dedicated to this service. The next largest area of concentration was in electrical work, utilizing 133.50 man-hours of labor. Mechanical repairs came in as the third highest category with 64.00 man-hours.

Should you have any questions regarding this report, please do not hesitate to contact me at 797-4584. I am happy to discuss any portion of this report with you.

Public Utilities report submitted by Dave Day, Superintendent of Public Utilities:

Attached is the monthly report to the Common Council for activities that took place in January 2009. Also attached is the Public Utilities Vehicle Maintenance report.

As of February 17, 2009 there are 64 hydrants out of service. Repairs to hydrants are continuing. I will be happy to review the information with you.

Should you have any questions regarding this report, I will be happy to review the information with you. Please contact me at 797-4539.

See appendix "B" for attachments.

Sincerely,

Antonio Iadarola, P.E.
Director of Public Works

ec: Jean Natale, City Clerk
David Day, P.E., Public Utilities Division
Duke Hart, Public Services Division
Tom Hughes, Construction Services Division
Farid Khouri, P.E., Engineering Division
Richard Palanzo, Public Buildings Division
Mark Miller, Forestry Division
Mark Saumell, Equipment Maintenance

Appendix A

City of Danbury Danbury Monthly January 2009

	Labor Hours	Total Hours This Month	Total Hours Last Month	Difference	Percent Change
Carpentry		24.50	18.00	6.50	26.53
City Bldgs	24.50				
Schools	0.00				
Electrical		133.50	172.50	-39.00	-29.21
City Bldgs	59.00				
Schools	74.50				
HVAC		6.00	21.00	-15.00	-250.00
City Bldgs	6.00				
Schools	0.00				
Locksmith		0.00	7.00	-7.00	0.00
City Bldgs	0.00				
Schools	0.00				
Maintenance		38.00	33.00	5.00	13.16
City Bldgs	34.50				
Schools	3.50				
Mechanical		64.00	68.50	-4.50	-7.03
City Bldgs	29.50				
Schools	34.50				
Plowing		4.00	0.00	4.00	100.00
City Bldgs	4.00				
Schools	0.00				
Plumbing		150.00	206.00	-56.00	-37.33
City Bldgs	43.00				
Schools	107.00				
Roofing		7.00	8.00	-1.00	-14.29
City Bldgs	1.00				
Schools	6.00				

New Work Requests received this month 205
Work Requests Completed this month 171

M E M O R A N D U M

DATE: February 3, 2009
TO: City of Danbury, Common Council
FROM: *David M. Day, P.E.*, Superintendent – January 2009
RE: Sanitary Sewer Collection System Maintenance

Complaints: 15

Number Received: 15

Number Completed: 15

Pipe Cleaned: 1,300 Feet

Gallons of Water Used: 12,000

Pipe Inspected:

COMMENTS:

MAINTENANCE REPORT - BUILDING # 6

January 2009

1/5/2009	95DA	WATER	OIL LEAK SERVICE
	289DA	POLICE	FLAT
		POLICE	SPOT LIGHTS
1/6/2009	184DA	WATER	STALLING
	14DA	POLICE	BRAKES
1/7/2009	184DA	WATER	STALLING
	276DA	WATER	REAR SANDER LIGHT
1/8/2009	184DA	WATER	DOOR HANDLE
	338DA	POLICE	LIGHTS
	DET	POLICE	WIPERS
1/12/2009		POLICE	TIRES
	19DA	POLICE	WINDOW
1/13/2009	DET	POLICE	BRAKES
		POLICE	TIRES
1/14/2009	107DA	WATER	NO START R/C
	19DA	POLICE	SERVICE
1/15/2009	17DA	POLICE	LIGHTS
	334DA	POLICE	WIPERS
1/16/2009	6DA	POLICE	VIBRATION BATTERY
	DET	POLICE	ALTERNATOR
1/20/2009		WATER	PLOW SAND
	107DA	WATER	FLAT R/C
	DET	POLICE	JUMP START R/C
1/21/2009	117DA	WATER	STARTER
	113DA	POLICE	RUNS POOR
	DET	POLICE	NO START R/C
			ENGINE LIGHT
1/22/2009	159DA	WATER	SERVICE
			SERVICE BRAKES ENGINE
	113DA	POLICE	LIGHT
1/26/2009	3CH546	SENIOR	NO START R/C
			BRAKES SERVICE ENGINE
	126DA	WATER	LIGHT
	113DA	POLICE	RUNS POOR
	354DA	POLICE	RUNS POOR
	DET	POLICE	RUNS POOR
			BALL JOINTS
1/27/2009	206DA	HWY	SERVICE
	DET	POLICE	BRAKES SERVICE
1/30/2009	159DA	WATER	ENGINE LIGHT
10DA	POLICE		FRONT END SERVICE