

**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.**

January 27, 2009

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

RE: Monthly report for December 2008

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 December.

The Public Works Department was put to the test during the month of December. Six (6) storms came into the area, the most notable on December 5th with heavy amounts of icing. The severe icing caused many branches and some trees to break causing road closures and power outages. There were so many tree calls an additional crew was deployed to assist the Forestry Division. I would like to commend the Forestry Division for working an extraordinarily long day in the cold and freezing rain and then returning to work at 4:30AM the following morning to attend to overnight problems and finish the clean-up from the previous day. With the prediction of a long hard winter, and an active beginning, we will be monitoring the sand and salt supplies closely. The long and repetitive occurrence of storms is having a negative impact on our staff and equipment.

In addition to the snow and ice storms, our Water Department has had to make several emergency repairs to our distribution system. Several of these repairs were done during these storms. I am impressed with the skillful approach that the Water Department personnel exhibit during these water main breaks.

Working in below freezing weather with water and water mains is one of the most difficult jobs that exist in our industry. Our Water Department personnel always perform their jobs quickly and efficiently with very little supervision. They are always pleasant and accommodating to the customers' needs, even after working, sometimes, over 30 hours without any rest.

Once again, the Highway Division conducted their fifth annual toy drive collecting over 100 items for distribution to area children. I would like to take this opportunity to thank the Highway Division employees for their generosity.

The Pocono Road Connector was opened on December 9, 2009 with a ribbon cutting by Mayor Boughton, Councilman Saadi and some of the residents. The intersection at Pocono Lane and Newtown Road has been a serious problem for several years. The residents were unable to convince the State to install a light and asked the City to try to find a solution. After a land swap was approved by the Common Council, the project moved very quickly with the installation of the one-way connector to Mountainview Terrace.

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:

Local Bridges

- Padanaram Road Bridge over Margerie Brook
- Backus Avenue Bridge over Miry Brook

Finalizing the plans & specifications with the Engineering Department and preparing the bid documents.

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 not 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, is in the process of developing the management plan for submission to the State Department of Health. The spray park equipment has been delivered. Once we receive the approval, we will proceed with construction.

Rogers Park Soccer Fields – The contractor, Excavation Technologies, has mobilized to the site. We are continuing to remove 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 remediating 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.

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.

Woodside Avenue

The road widening from Newtown Road to approximately 220 feet south on the easterly portion of Woodside Avenue has been completed. This included drainage and pavement improvements. The remaining work is utility related; AT&T has relocated the pole on the corner of Woodside and Newtown Road. We are awaiting the utilities to relocate. Once this has been completed the existing pole behind the curb line will be removed.

East Franklin Street Bridge over Padanaram Brook

The DEP has issued a repair order for this bridge. 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 is failing. With the City Engineer, we are developing a scope for the necessary repairs to avoid failure of the culvert and road.

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:

Assessment Projects:

- 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 to 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 Forestry Division performed snow plowing and sanding downtown to assist the Highway and Parks Maintenance Divisions, concentrating on schools, sidewalks and crosswalks. The crew responded to many downed branches and trees throughout the course of the storms during the month of December and clean-up still continues.

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

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

During the month of December, 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. In spite of the winter conditions, repairs were made at 2 locations. Nine (9) new signs were installed at five (5) locations and several dozen signs were also replaced. The asphalt plant is closed for the season, however the crews are utilizing cold patch to make repairs.

The sweepers are now down for the season allowing for maintenance and repairs to get ready for spring. The garbage truck continues to canvas the downtown area for cans and other debris. The Highway Division also assisted to prepare for First Night with snow removal and sanding in the downtown area.

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 area during and after storm events. This division was pleased to assist with the preparation of the downtown areas for First Night. The crews are happy to have the opportunity to assist the Forestry Division with tree removals and the Highway Division with picking up bundled brush, leaf bags and filling sand barrels throughout the City. 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:

December 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.

The new emergency generator has been installed, the wiring and switch gear has been modified which will enable the new generator to sustain the power needs of the entire City Hall building during a power outage. The project has been inspected and after some minor paperwork submittals will receive a certificate of occupancy. The new generator is currently on-line and operational.

The cooling tower replacement at the Public Library is now complete. The new components of the air conditioning system are ready to go for the next cooling season.

Now that the Honeywell-Board of Education Phase III project has been completed, the Honeywell Corporation is assisting the city in some value added projects that go along with the implementation of Phase III. They will assist the city in benchmarking the city buildings relative to energy consumption, this information will allow us to keep an eye on our conservation efforts. This is the recommended process endorsed by the US Department of Energy and the Environmental Protection Agency.

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. I am very happy with the support from all the city employees.

One boiler at King Street intermediate school has been removed and the asbestos in the boiler has been abated. It was performed over the December holiday with no impact upon the schools' operations. The new boiler installation began January 5, 2009 and is expected to be fully operational by the end of January 2009. 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 should be completed by mid-February.

The Alternative Center for Education has had its building temperature control systems upgraded to be consistent with the Honeywell systems in-place throughout our public schools. This system will result in better control of the HVAC systems as well as, an intelligent, efficient approach to building management.

The AIS magnet school reported a strong smell of oil which prompted a response from the fire department, the State of CT DEP and this department. After continued evaluation and research the source has been determined to be off-site. The State of CT DEP will set up monitoring wells to try to determine which of the schools neighbors may be contributing to this problem.

Attached please find the statistical analysis for repairs and maintenance work that the Public Buildings Mechanics engaged in during the month of December. In the month of December we received 223 new work requests and completed 211 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 198.50 man-hours dedicated to this service. The next largest area of concentration was in electrical work, utilizing 172.50 man-hours of labor. Maintenance and repairs came in as the third highest category with 67.00 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:

Enclosed is the monthly report to the Common Council for activities that took place in December 2008. Also attached is the Public Utilities Vehicle Maintenance report.

As of January 16, 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

cc: 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

City of Danbury
Monthly Report December 2008

	Labor Hours	Total Hours This Month	Total Hours Last Month	Difference	Percent Change
Carpentry		18.00	5.00	13.00	72.22
City Bldgs	18.00				
Schools	0.00				
Electrical		172.50	128.00	44.50	25.80
City Bldgs	49.50				
Schools	123.00				
HVAC		21.00	27.50	-6.50	-30.95
City Bldgs	0.00				
Schools	21.00				
Locksmith		7.00	0.00	7.00	100.00
City Bldgs	7.00				
Schools	0.00				
Maintenance		30.00	99.00	-69.00	-230.00
City Bldgs	15.50				
Schools	14.50				
Mechanical		67.00	32.50	34.50	51.49
City Bldgs	61.00				
Schools	6.00				
Plowing		0.00	0.00	0.00	0.00
City Bldgs	0.00				
Schools	0.00				
Plumbing		198.50	180.00	18.50	9.32
City Bldgs	39.50				
Schools	159.00				
Roofing		8.00	11.00	-3.00	-37.50
City Bldgs	8.00				
Schools	0.00				

New Work Requests received 223
Work Requests Completed 211

MEMORANDUM

DATE: January 12, 2009
TO: City of Danbury, Common Council
FROM: *David M. Day, P.E.*, Superintendent – December 2008
RE: Sanitary Sewer Collection System Maintenance

Complaints: 11 _____

Number Received: 11 _____

Number Completed: 11 _____

Pipe Cleaned: 900 LF _____

Gallons of Water Used: 12,000 Gallons _____

Pipe Inspected:

Appendix B

MAINTENANCE REPORT - BUILDING # 6
12/1/08

12/1/2008	184DA	WATER	FUEL PUMP
	9DA	POLICE	LIGHTS
	257DA	POLICE	NO START
12/2/2008	184DA	WATER	NO START
	DET	POLICE	SERVICE
12/3/2008	DET	POLICE	SERVICE
	4DA	POLICE	TRANNY
12/4/2008	4DA	POLICE	TRANNY
12/8/2008	4DA	POLICE	TRANNY
	246DA	POLICE	LIGHTS
	240DA	POLICE	SERVICE
12/9/2008	37981	SENIOR	BRAKES SERVICE
	271DA	POLICE	OVERHEATING
	354DA	POLICE	NO START
12/10/2008	4DA	POLICE	TRANNY
	6DA	POLICE	FRONT END
			FRONT END MOTOR
12/11/2008	6DA	POLICE	MOUNTS
	4DA	POLICE	TRANNY
12/12/2008	4DA	POLICE	REAR AXEL SEALS & PINION SEAL
	332DA	POLICE	SERVICE TIRES
12/15/2008	3DA	POLICE	TIRE SERVICE
	10DA	POLICE	TIRE R/C
	225DA	POLICE	OVERHEATING SERVICE
	4DA	POLICE	REAR AXEL SEALS & PINION SEAL
	37981	SENIOR	NO START R/C
12/16/2008	37981	SENIOR	DOOR SWITCH
	4DA	POLICE	REAR AXEL SEALS & PINION SEAL
	257DA	POLICE	SIEREN
12/17/2008	4DA	POLICE	WINDOW
	150DA	POOL	SERVICE STEERING SHAFT
12/18/2008	150DA	POOL	STEERING SHAFT
	257DA	POLICE	BRAKES SERVICE
12/22/2008	DET	POLICE	NO START
	150DA	POOL	STEERING SHAFT
12/23/2008	128DA	WATER	BATTERY
	228DA	POLICE	FLAT R/C
	274DA	HEALTH	UNLOCK CAR
12/29/2008	150DA	POOL	STEERING SHAFT
	274DA	HEALTH	BRAKES SERVICE
	225DA	POLICE	WINDOW
12/30/2008			OIL LEAK
	95DA	WATER	SERVICE
	274DA	HEALTH	BRAKES SERVICE
	225DA	POLICE	WINDOW
	209DA	POLICE	SERVICE PLOW