

**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.**

May 26, 2009

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

RE: Monthly report for April, 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 April, 2009.

April 21, 2009 will be a date that all of Danbury will remember for a very long time. It marked the dedication of the new police department building, and the success of another Public Works administered project. I cannot thank all my staff enough for their hard work in getting this project completed ahead of schedule and on budget.

All public works departments are in full spring clean up mode and the Public Buildings Division is switching the buildings from heating mode to air conditioning mode.

Our paving program is also underway and two crews have started the drainage repairs and upgrades ahead of the paving crews.

The work at the new field at Rogers Park has resumed after a long winter and there will be tremendous progress over the next two months. The Highway and Parks Maintenance Division crews also reshaped and reseeded the town park.

The Public Works Department also took delivery of a used excavator and the machine was put to work installing drainage the moment it was received.

The sweeping program is moving slightly slower than last year mostly due to the amount of sand that was used this past winter, but should be completed not much later than usual.

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 & specifications are with the Engineering Department and the bid documents have been prepared and finalized. The sequencing for the temporary pole relocations have also been finalized with the utility companies.

White Street Streetscape –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. LGB and has answered all the State Department of Health's comments. The final Drinking Water Quality Management Plan for construction to the State Department of Health has been submitted. We anticipate receiving the approval shortly, and will then proceed with construction immediately.

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 the remediation of 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 removed the clean material will be placed. The drainage outfalls have been installed and the four corner structures inside the field as well. Working with the City engineer, we have finalized the purchasing of the artificial field and field equipment. The field and equipment was purchased through a government cooperative program. This contract resulted in a significant savings to the City. The site work has resumed March 15th. We anticipate the field to be completed by the end of June.

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 have received his report. 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. The additional code compliance work addressing non-compliant stair wells cited by the State of CT has been completed. The new handicap handrails will be installed in the auditorium during the April vacation. The remaining work will be completed during the summer recess.

Danbury High School Hall of Fame – The first phase will be the construction of a new trophy case. Construction Services met with Jim Blansfield and went over the scope of the Hall of Fame. Resulting from this meeting, we were able to do some value engineering and will move forward with the project. We have contacted a contractor on our City Bid list and requested a quote for the construction of the trophy case. We have received the estimated cost proposal from

Jim's Welding. We are reviewing the proposal and will schedule this work for the summer of 2009.

#### 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 approximately \$ 550,000.00 in Construction Management fees by Construction Services assuming the construction management of this school project. Construction is in the punch list phase we are working with the City Engineer to complete the project.

#### Pocono Lane

The soft buffer plantings will be planted in the spring 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. In conjunction with the Engineering Division, we have hired an on call engineer, Stantec, to evaluate the repair. Once the evaluation is completed, Stantec will issue a repair method to the City Engineer.

#### Williams Street

Construction Services is working with the City Engineer and has developed the scope for sidewalk, drainage and roadway improvements. This project will be funded by CDGB. The bid documents and plans have been finalized and will be bid shortly. The project will be administrated by Construction Services once it was been awarded.

#### Homeless Shelter

Construction Services is 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 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:**

#### Assessment Projects:

- Tilden Road and Olive Street Area: The City mailed the storm drainage easements out to the property owners for their information. We will go to the Common Council for authorization to negotiate these proposed easements next month.
- Cornell Hills Sanitary Sewer and Water Project: All documentation and report were submitted to the State Drinking Water Section to qualify the project to receive Economic Stimulus money.
- Boulevard Drive Sewer Assessment: The Consulting Engineer is working on the plans for an underground pump station sanitary sewer system. The pump station plans will be finalized next month. We will meet with the property owner next month to show him the plans and keep him informed.

- Briar Ridge Road, Rolf's Drive, Greta Drive and Cel Bret Drive Sanitary Sewer: We are working in-house on a preliminary design. Next month we will have a preliminary estimate and will be calculating preliminary assessments for a mail survey.
- Oak Lane and Haddy Lane Sanitary Sewer: We are working in-house on a preliminary design for a mail survey.
- Various Assessment Projects: We have started gathering information for in-house, preliminary design.

Roberts Ave Replacement School: Site contractor is importing and spreading topsoil throughout site. Fencing is 60% complete. Final paving course, landscaping and seeding are scheduled for mid-May. Building is substantially complete. Final punchlist, alarm and sprinkler testing, final Building and Zoning inspections and final cleaning are all scheduled for May.

Police Department Headquarters Project: The building was dedicated and opened on April 21, 2009. The Police Department is expected to move in by May 4, 2009.

Traffic Division: Currently working on improvement of the intersection at Lake Avenue Extension and Shannon Ridge Road, design on coordination of traffic lights on Backus Avenue from Sugar Hollow Road to Kenosia Avenue as well as city-wide optimization of traffic signal synchronization operations. They are also working on the new layout for the intersection of Germantown Road and Hospital Avenue.

Staff Engineers: Review various site plans, water and sewer applications, special exception applications, and subdivision applications for land-use approval of on-going development projects throughout the City. In addition, field inspection is performed regularly for these developments. Reviews of long-standing drainage problems are analyzed and design solutions are handled in-house.

Survey crew: Currently working on William Street Drainage and Sidewalks Project, White Street Paving and Drainage Project, Backus Avenue Traffic Signal Improvement Project, Tamarack Avenue Drainage Project, the City-Wide Drainage Project and miscellaneous sight line and tree issues.

DHS ADA plans: The Engineering staff, along with the Public Services Division and Public Buildings, is collecting a cost estimate on this work.

Boehringer Ingelheim: Project was awarded to Earthmovers. Work will start in May 2009.

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. Kick-off meeting was conducted, and consultant will submit report in a couple of months.

Park Avenue School Roof: Fuller and D'Angelo P.C. Architects and Planners were hired to investigate and prepare plans and specifications for the roof at Park Avenue School. Plans and documents are ready for bid and we are currently working on the funding mechanism with the State.

William Street Phase II: Design was done in-house and project was bid out. Work will involve sidewalk replacement, reclaiming roadway, improving drainage and enhancing neighborhood around the William Street Park. Bids are due in May 2009.

Danbury High School Fire Alarm: This project was bid out. Two bids were received and are under review.

Danbury High School Sprinklers for Buildings A, B and E: Design plans and specifications are complete. We will obtain prices from M.J. Daly by next month.

Garfield Avenue Storm Drainage: Project is 90% complete. We are waiting on final fence installment.

Stimulus road packages: Completed and submitted to the State of Connecticut (mid-April 2009) to qualify White Street, Franklin Street, Franklin Street Extension and Backus Avenue Bridge to receive Federal approval and funding for construction.

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 always looks forward to celebrating Arbor Day during the month of April. A dead locust tree was removed at Danbury High School to allow the Class of '83 to plant a memorial tree. The division partnered with the Danbury Garden club to plant two thunder cloud cherry trees at Lake Kenosia. The crew also assisted the Lions Club in the planting of two memorial kousa dog wood trees and a green mountain maple at King Street School. Six large planters were also installed at the new police station.

We appreciate the assistance of the Germantown Volunteer Fire Department in watering the newly planted grass at Candlewood Park.

The division responded to tree calls on Dogwood Drive, Ridge Rd., Wooster Heights, Stadley Rough Road and Hawley Road.

Pruning and take-downs were performed at Rogers Park, Lincoln Avenue, Abbott Avenue, South Street School, Wilson Street and Mountainville Avenue.

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

**Highway report submitted by Duke Hart, Superintendent of Public Services:**

In spite of the rainy month, the Highway Division welcomed the beginning of spring. Weather permitting, the crews were out doing our in-house construction to correct flooding and icing issues within the City.

Two (2) crews have been concentrating on two (2) major drainage projects to upgrade all of the drainage on Kennedy Avenue and Rose Streets. New drainage installation has also been started on Cannon Drive and repairs have taken place on Hamilton Drive.

New signs were installed at twelve (12) locations, with two repairs made. The sign crew also installed the designated parking spaces for the new police station.

The yard debris pick-up is in full swing and will be completed next month. There are four (4) sweepers out daily; two (2) working inner city and the other two (2) operating within the outskirts to remove the winter salt/sand which has built up over the winter.

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 month of April heralds the beginning of the spring clean-up that is conducted annually by the Parks Maintenance Division. The sand and debris that has accumulated over the winter will be removed from the sidewalks, building lots and roadways.

The playing fields will also be prepared for the upcoming season. An extra effort was made to get ready for the Special Olympics which were held this month.

Policing for litter at the schools and playgrounds continues to be an ongoing effort.

A great job was done by the Parks Mechanic to have all of the equipment ready for the upcoming clean-up season.

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:**

April was a challenging month for the Public Buildings Division. The department backlog of work requests is growing due to the age of our facilities and lack of a full staff; in addition we assisted the preparation of the police from 120 Main Street to their new home at 275 Main Street.

**Recycling:** The office paper recycling program that began in November is proceeding without incident. 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 our office paper as well as newspaper and junk mail.

**Veterans Hall:** We have added 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. The installation is 100% complete. We are awaiting our IT department's programming of the data communication device which will allow the security system to communicate with City Hall. Once IT has completed their work, Mr. Estefan can issue identification cards to the representatives of the veteran groups so that they may access their offices within the building without a key, while still maintaining security.

**Honeywell/Schools/ City:** The Honeywell building management software known as EBI has been installed in 97% of the City's school buildings. This new software will give the school personnel greater control over their energy consumption.

**Benchmarking:** Honeywell has begun a program to benchmark energy consumption at all of the city school buildings and many of the larger city buildings. We are gathering historical energy consumption data by building which will be used to compute the benchmarking. Once the compilation and computation is complete this information will allow us to track how we use power and afford us a yardstick to measure conservation efforts.

**Energy:** We are looking at a new energy conservation/ small building management system available from Honeywell Corp. This system will allow remote access to the energy management system of a small building and take control of the building out of the hands of the occupants. This system will allow us to set heating and cooling set points which can not be locally overridden by the building occupants, which will result in energy savings. We began to install this system at the Elmwood Hall Senior Center. The system should be operational by the beginning of June 2009. If this works as described we will install a similar system at the Library tech center. This is one of many energy conservation efforts we are pursuing to save the City energy dollars.

**Public Works/ Fueling Station:** The new fueling station at Public Works has a new digital surveillance system which will observe and record all odd occurrences at the fueling station. Since the fueling station is open 24/7; this surveillance /security system will observe all going on and mitigate mischief. The PB staff installed a fiber optic cable so that the fueling station surveillance can be observed from the Highway and PB division offices as well as from the Equipment Maintenance division office. Our system must be connected by the IT department to become operable on the city WAN. We are waiting for IT to do their work. The system should be connected by June 2009.

**New Police HQ:** The open house and tours of our new police facility ran well. The facility was well received by the public. The telecommunications switch from 120 Main to 375 Main was successfully bridged and working. PB will assist in the move from 4/22/09 – 5/4/09.

**Old Police Buildings:** On May 5, 2009 the former police buildings will begin to be decommissioned. The PB staff shall remove all recyclable items from those buildings. The items will be brought to Newtown Road in preparation of being recycled into other buildings. We will reuse the telephone equipment, digital access control systems and generator to name a few. The buildings will then be cleaned and locked down until sold or re commissioned for use.

**Requests for Maintenance and Repairs:** Attached please find the statistical analysis for repairs and maintenance work that the Public Buildings Mechanics engaged in during the month of April. In the month of April we received 383 new work requests and completed 138 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 238.50 man-hours dedicated to this service. The next largest area of concentration was in electrical repair work, utilizing 111.00 man-hours of labor. Mechanical repairs came in as the third highest category with 114.50 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 April 2009. Also attached is the Public Utilities Vehicle Maintenance Report.

As of May 14, 2009 there are 63 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  
Danbury Monthly Report April 2009

	Labor Hours	Total Hours This Month	Total Hours Last Month	Difference	Percent Change
Carpentry City Bldgs	21.50	21.50	6.00	15.50	72.09
Schools	0.00				
Electrical City Bldgs	66.00	111.00	202.50	-91.50	-82.43
Schools	45.00				
HVAC City Bldgs	0.00	4.00	1.00	3.00	75.00
Schools	4.00				
Locksmith City Bldgs	0.00	0.00	0.00	0.00	0.00
Schools	0.00				
Maintenance City Bldgs	42.00	69.50	42.00	27.50	39.57
Schools	27.50				
Mechanical City Bldgs	111.50	114.50	103.00	11.50	10.04
Schools	3.00				
Plowing City Bldgs	0.00	0.00	0.00	0.00	0.00
Schools	0.00				
Plumbing City Bldgs	58.50	238.50	399.00	-160.50	-67.30
Schools	180.00				
Roofing City Bldgs	0.00	9.50	8.50	1.00	10.53
Schools	9.50				

New Work Requests received this month	382
Work Requests Completed this month	138

**MAINTENANCE REPORT - BUILDING # 6**  
**4/1/09**

4/1/2009	4DA	POLICE	NO START
	DET	POLICE	ENGINE LIGHT
4/2/2009	DET	POLICE	ENGINE LIGHT
	DET	POLICE	SERVICE
4/3/2009	333DA	POLICE	NO START
	181DA	POLICE	NO START
	157DA	POLICE	REMOVE LIGHTS RADIOS ECT/
4/6/2009	DET	POLICE	INTAKE GASKETS
	DET	POLICE	SERVICE BRAKES
4/7/2009	174DA	WATER	SERVICE
	DET	POLICE	INTAKE GASKETS
	DET	POLICE	SERVICE
4/8/2009	DET	POLICE	SERVICE BRAKES
	223DA	POLICE	SERVICE BRAKES
	DET	POLICE	INTAKE GASKETS
	101DA	WATER	ENGINE LIGHT
4/9/2009	DET	POLICE	SERVICE
	240DA	POLICE	REAR END SERVICE
	101DA	WATER	RUNS POOR
4/13/2009	DET	POLICE	SERVICE
	333DA	POLICE	DEAD BATTERY
	243DA	POLICE	DEAD BATTERY
	240DA	POLICE	REAR END SERVICE
	101DA	WATER	RUNS POOR
4/14/2009	243DA	POLICE	BRAKES SERVICE
	240DA	POLICE	BRAKES SERVICE
	72DA	ENG	SERVICE /POWER STEERING
4/15/2009	225DA	POLICE	BRAKES SERVICE
	72DA	ENG	SERVICE
4/16/2009	89DA	WATER	SERVICE BRAKES HUB BEARING
	DET	POLICE	SERVICE BRAKES
	10DA	POLICE	SERVICE A/C
4/17/2009	17DA	POLICE	RUNS POOR
	10DA	POLICE	A/C
	89DA	WATER	SERVICE BRAKES HUB BEARING
4/20/2009	101DA	WATER	ENGINE LIGHT
	17DA	POLICE	RUNS POOR
	15DA	POLICE	ENGINE LIGHT SERVICE
4/21/2009	338DA	POLICE	SERVICE A/C
	15DA	POLICE	TRANNY
	101DA	WATER	RUNS POOR
4/22/2009	287DA	POLICE	SERVICE A/C
	3DA	POLICE	TIRE SERVICE
	15DA	POLICE	TRANNY
	101DA	WATER	RUNS POOR
4/23/2009	15DA	POLICE	TRANNY
	101DA	WATER	EXHAUST
	332DA	POLICE	TAIL LIGHT
	3DA	POLICE	TIRE SERVICE
4/24/2009	DET	POLICE	TUNE UP
	277DA	WATER	TRANNY

	101DA	WATER	EXHAUST
4/27/2009	186DA	POLICE	OVERHEATING SERVICE
	101DA	WATER	EXHAUST
	DET	POLICE	TUNE UP SERVICE
4/28/2009	DET	POLICE	SERVICE
	186DA	POLICE	OVERHEATING SERVICE
	ROAD		
	SAW	WATER	FUEL SERVICE TIRES
	101DA	WATER	EXHAUST
4/29/2009	228DA	POLICE	SERVICE ALTERNATOR
	DET	POLICE	SERVICE
	271DA	POLICE	SERVICE LIGHTS
4/30/2009	271DA	POLICE	SERVICE LIGHTS
	DET	POLICE	WINDOW BLOWER MOTOR
	101DA	WATER	EXHAUST

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## MEMORANDUM

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**DATE:** May 13, 2009

**TO:** City of Danbury, Common Council

**FROM:** *David M. Day, P.E.*, Superintendent – April 2009

**RE:** Sanitary Sewer Collection System Maintenance

Complaints: 9 \_\_\_\_\_

Number Received: 9 \_\_\_\_\_

Number Completed: 9 \_\_\_\_\_

Pipe Cleaned: 1,500 \_\_\_\_\_

Gallons of Water Used: 8,000 \_\_\_\_\_

Pipe Inspected:

\_\_\_\_\_  
COMMENTS: