

**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.**

August 25, 2009

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

RE: Monthly report for July, 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 July, 2009.

Once again the Public Works Divisions performed a tremendous amount of work at our recreational facilities in preparation of the Nutmeg Games. I appreciate the outstanding support and teamwork of the Public Services Division, which includes Highway, Forestry and Parks Maintenance. We are pleased to have the opportunity to play a key role in this event again this year. The Nutmeg Games provide an opportunity for the City to showcase its recreational facilities and an opportunity to exercise our teamwork and public relations skills.

The John Perry Field and Ellsworth Avenue School projects are nearing completion with ribbon cuttings planned in August. These two projects provided an opportunity for several divisions of the Public Works Department to partner together and work as a team to create considerable savings to the City. Overall, I would like to pay great respect to my Division Managers and their administrative staff for the work that they do to help me manage this diversified department and the tremendous work-load that we have.

Road work for our paving program is moving quickly. East Pembroke Road reconstruction has commenced and is being done all in-house resulting in the savings of thousands of dollars. The project should be ready to pave at the end of August.

## **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. We met with the State of CT DOT and the City Engineer has met the requirements to roll this bridge into the Stimulus funding. We are awaiting the States approval to bid this project. We anticipate bidding the project this fall with a spring construction start.

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.

Rogers Park Soccer Fields -We have completed the turf installation. The fencing contractor has mobilized to the site. Reliable Excavating has completed the sidewalk and retaining wall construction parallel to Memorial Drive. Working with Reliable and the Parks Department, we have constructed a flower bed and landscaped the area of the field adjacent to Memorial Drive. The final site grading and parking islands construction has begun. The extreme amount of rain this month has hampered our efforts to complete the landscaping and final paving preparations. We expect the project to be completed the first week in August.

Danbury High School ADA & Egress - Construction Services has begun contracting for the compliance project from our City bid list. This has significantly reduced costs to the City. We will be removing the existing wheelchair lift from the Roberts Avenue School. This unit will be installed in the DHS choral room allowing access to the third tier. The cost to purchase and install a new unit would be approximately \$ 30,000.00. We were able to retrofit and install this lift for \$ 6,650.00. The remaining work will be completed during the summer recess and is on track for an end of August completion.

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 engaged a contractor from our City Bid List, Jim's Welding. Working with the contractor and Hall of Fame contact Jim Blansfield, we have reduced the cost by \$ 35,000.00 from the original estimate we received.

### Ellsworth 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. The grand opening will be sometime in August.

### 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 worked with the City Engineer to develop the scope for sidewalk, drainage and roadway improvements. This project will be funded by CDGB and LOCIP. The project will be administrated by Construction Services. The project was bid and awarded to Reliable Excavation. We anticipate a late August start and completion by late fall.

### 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. We bid the architectural services for the project and Friar Associates has been awarded the design. Friar has developed the preliminary plan and specifications which we are reviewing presently. The plans & specification will be forwarded to Wagner Associates the CDGB administrator for the comments. We anticipate an October start once we have Wagner Associates approval to bid.

### B.I. Access Project -06-06

The contract was awarded to Earthmovers Inc. The first phase will be the widening of Benson Drive. This phase will include the drainage installation on the southerly side of Briar Ridge 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:

- Tilden Road and Olive Street Area: Design engineers submitted new storm drainage proposal for our review.
- Cornell Hills Sanitary Sewer and Water Project: The project was ranked #50 for the ARRA (Stimulus) money, and we are not sure if enough money is available to do this work. Compiling up-to-date information for new mail survey next month.
- Boulevard Drive Sewer Assessment: Reviewed underground pumping station. Re-survey letter will be mailed soon.
- Briar Ridge Road, Rolf's Drive, Greta Drive and Cel Bret Drive Sanitary Sewer: We reviewed and finalized the preliminary assessments in order to send out the mail survey next month.
- 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: The site contractor is finishing the final punch list items. The school is substantially complete. Building inspections were completed, and the temporary Certificate of Occupancy was issued. Ribbon cutting ceremony is scheduled for 8/18/09.

Traffic Division: In addition to routine activities of repair and maintenance of traffic control signal devices and pavement markings, the Division is currently working on improvement of the intersection of Lake Avenue Extension and Shannon Ridge Road; design and coordination of traffic lights on Backus Avenue from Sugar Hollow Road to Kenosia Avenue; maintenance of the City-wide communication network; optimization of traffic signal synchronization operations as well as design of the intersection of Germantown Road and Hospital Avenue. Other duties and responsibilities include review and approval of land-use development plans and coordination with the State of Connecticut Department of Transportation and the HVCEO on planning, funding, design and construction of all transportation projects within the City.

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 Lincoln Avenue Paving and Sidewalks Project; Rogers Park Soccer Field and Parking Lot; Rose Street Sewer Project; Ives Trail Easements; White Street Paving and Drainage Project; Franklin Street Paving Project; Backus Avenue Traffic Signal Improvement Project; the City-Wide Drainage Project and miscellaneous sight-line, paving/road widening and tree issues.

Park Avenue School Roof: Bids were opened, and the lowest bidder was Leed Industries. Construction to start in August.

William Street Phase II: Bids were opened, and the lowest bidder was Reliable Excavating Co.

Germantown Road and Hospital Avenue Intersection Re-design and Traffic Light: Preliminary design has been started. Met with Fire Chief, CL&P and AT&T.

Lincoln Avenue: Design is being done in-house and is 85% complete. Funding is part of ARRA/CDBG. Working on preliminary cost estimates

Stimulus road packages: The State is reviewing the submitted packages and waiting on additional information to finalize the projects for bidding.

Backus Avenue Bridge: Finalizing bidding documents with the State and their consultant. Expected to bid the project in September 2009. Need to finalize the agreement with the State.

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 had a very busy month. In July trees were pruned and/or removed at the following locations: Gregory Street, Hill Top Manor, Fairmount Avenue, Boulevard Drive, George Street, Old Lantern Road, Hawley Road, Starrs Plain Road, Golden Hill Road, Mountainville Avenue, Park Avenue, Woodbury Drive, Dee Hill Avenue, Connecticut Avenue, Driftway Point Road, Westwood Drive and the parking lot at City Hall. Sight line improvements were also made on Old Shelter Rock Road, Cannon Road and Barnum Road.

The Forestry Division crew also responded to storm damage at the following locations: Starrs Plain Road, Rogers Park, Forty Acre Mountain Road, Deer Hill Avenue, Miry Brook Road, Great Plain Road, Kenosia Boulevard and Brushy Hill Road.

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

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

The Highway Department was very busy during the month of July. The in-house construction crews performed work to correct drainage issues at locations on Hillandale Road, Valley View Drive, and Gregory Street. Two (2) drainage projects have also begun on East Pembroke Road and Hilltop Manor.

The in-house crews did paving and curbing on Bullet Hill Road and Cannon Drive. The paving on Delta Avenue, Connecticut Avenue and Greenfield was also completed in the month of July. The rainy weather has kept the potholes crews quite busy. Every day new reports are received to fill fresh potholes.

Six (6) new signs and posts were installed at four (4) new locations. Repairs were performed at several other locations.

Everyday the crew continues to police the downtown areas for litter and illegal dumping. We also try to deploy a sweeper daily to help keep the roads clean. Weather permitting and with only one mower in operation, the crew is concentrating on the sightline issues at this time.

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

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

In the month of July, the Parks Maintenance Division put forth great effort to prepare and maintain the playing fields for the Nutmeg Games. Great field coverage was, once again, provided for the games that kicked off with its softball events. In spite of all the rain in the morning, the games were played with just a fifteen (15) minute delay. It was an enormous task to prepare ten (10) fields that morning, but the crews met the challenge and the games were able to proceed.

All of the fields that are used for sporting events throughout the City are maintained on a daily basis. Both of the city beaches are dragged every day during the summer for the enjoyment of the residents. Mowing and lawn maintenance at the school and city facilities remain on schedule.

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:**

In June we saw the departure of 33% of our maintenance staff, as of this writing we have not received any staff replacements. I have requested that the replacements hold State of CT test-based trade licenses. The division needs a licensed plumber, electrician and HVAC mechanic to backfill these vacancies. The addition of state test-based licensed trades' men will give the division and the city a greater skilled work force that will perform work in-house that formerly was outsourced to contractors, thus saving time and money! The Public Buildings division will be able to perform more maintenance and repairs instead of deferring needed maintenance to a future time. I look forward to working with the Mayor, Director of Public Works, and Director of Personnel to recruit and hire top quality personnel for my division. In the interim period our PB staff is working longer days and Saturdays to keep up with the work requests.

**Recycling:** The office paper recycling program that began in November is proceeding without incident. The volume of recycling is overtaking the amount of regular trash (non-recyclables). Danbury public buildings generated 1753.54 tons of recycled materials during the three month period, April to June 2009. That is 1753.54 tons of materials that did not end up in a landfill! This is very good for Danbury and is good for the planet!

**Veterans Hall:** The adjacent fields are almost complete and the parking lot is being paved. The flagpole has been installed and the landscaping is being performed. The public buildings staff performed the plumbing and electrical tasks for the adjacent John Perry Field, which saved the construction services division time and money on this project!

**Honeywell/Schools/ City:** The Honeywell building management software known as EBI has been installed in 99% of the City's school buildings. This new software will give the school personnel greater control over their energy consumption.

**Benchmarking:** We are still awaiting the first reports on the benchmarking program. Honeywell has promised to benchmark energy consumption at all of the city school buildings and many of the larger city buildings. We have transmitted historical energy consumption data by building which Honeywell will use 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:** The Elmwood Hall Senior Center remote energy management system known as WebStat has been installed and is working very well. We can manage energy consumption digitally and remotely. This will help to control HVAC costs for this building. We are pursuing the installation of a similar system at the Library tech center and possibly at Veterans Hall. This is one of many energy conservation efforts we are pursuing to save the City energy dollars.

**Public Works/ Fueling Station:** The system is currently in local operation until changes can be made to network the data and visuals. Funding has been approved to complete this project. We will install two additional security cameras at Public Works and a larger DVR to record activity. This system will be remotely accessed by the Highway and Public Buildings offices to monitor vandalism and illegal dumping at the Public Works Complex. The installation will be complete in August, 2009.

**New Police HQ:** From a facilities administration point of view we are really in the shake down phase working all the little bugs out of the systems. This usually takes six months to a year, but

when completed we will have a fine comfortable building for Danbury's Finest. Our main area of concentration is in the air conditioning and controls system. The manufacturer (York/ Johnson Controls) is actively participating in the resolution of this system.

**Old Police Buildings:** The PB Staff has locked these buildings and we are removing items that can be reused in other active city buildings. There will be a sale of the contents of this building later this year.

The Otto Co. has been retained to move the ductless split AC system from the Old PD computer room to retrofit it into the city hall traffic control room in the lower level of city hall, which needs auxiliary cooling. This work will be completed in August 2009.

With the assistance of the Highway department the generator for the old PD was moved to the Public Works Complex to power the Equipment maintenance building and new fueling stations. This generator will supply sufficient electricity to operate the entire building and fueling station so both may simultaneously operate during times of power outages. I anticipate the installation to be completed in September 2009.

**EECBG Grant:** At the June council meeting, the council gave authority to the Mayor and/or Superintendent of Public Buildings to apply for an Energy Efficiency and Conservation Block Grant. The city grant is estimated to be \$775,000.00. These funds are to be used to develop an energy management /conservation strategy and to perform a building by building energy analysis to identify conservation projects that will benefit the city. The grant funds, if approved, will permit the implementation of some key conservation projects identified in the building analysis. This grant is fully funded by the federal government and requires no city match. The application was filed on time (June 25, 2009) and we are having a conversation with the US Department of Energy as our application travels through the pipeline. I anticipate receiving the phase I funds for the study/ analysis in August.

**Roberts Avenue School:** The Roberts Ave. school building has been vacated by the Danbury School system. The City is responsible for the removal of the underground fuel storage tank and piping. This work will be coordinated by our consulting engineer TRC and bid for good pricing. When completed we will return this building and property to Western CT State University.

**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 July. In the month of July we received 228 new work requests and completed 268 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 250.00 man-hours dedicated to this service. The next largest area of concentration was in electrical repair work, utilizing 190.00 man-hours of labor. Mechanical repairs came in as the third highest category with 106.86 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 July 2009. Also attached is the Public Utilities Vehicle Maintenance Report.

As of August 18, 2009 there are 94 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 JULY 2009

	Labor Hours	Total Hours This Month	Total Hours Last Month	Difference	Percent Change
Carpentry		20.00	9.50	10.50	52.50
City Bldgs	20.00				
Schools	0.00				
Electrical		190.00	91.50	98.50	51.84
City Bldgs	74.50				
Schools	115.50				
HVAC		18.00	6.50	11.50	63.89
City Bldgs	3.50				
Schools	14.50				
Locksmith		4.00	3.50	0.50	12.50
City Bldgs	4.00				
Schools	0.00				
Maintenance		32.00	28.50	3.50	10.94
City Bldgs	28.00				
Schools	4.00				
Mechanical		106.86	177.50	-70.64	-66.11
City Bldgs	40.50				
Schools	66.36				
Plowing		0.00	0.00	0.00	0.00
City Bldgs	0.00				
Schools	0.00				
Plumbing		250.00	152.00	98.00	39.20
City Bldgs	30.00				
Schools	220.00				
Roofing		5.50	12.50	-7.00	-127.27
City Bldgs	0.00				
Schools	5.50				
New Work Requests received total			228		
Work Requests Completed this month			268		

---

# MEMORANDUM

---

**DATE:** August 6, 2009  
**TO:** City of Danbury, Common Council  
**FROM:** *David M. Day, P.E.*, Superintendent –July 2009  
**RE:** Sanitary Sewer Collection System Maintenance

Complaints: 12 \_\_\_\_\_

Number Received: 12 \_\_\_\_\_

Number Completed: 12 \_\_\_\_\_

Pipe Cleaned: 600 LF \_\_\_\_\_

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

Pipe Inspected:

---

COMMENTS:

7/1/09

7/1/2009	89DA	WATER	SERVICE
	18DA	POLICE	DEAD BATTERY
	354DA	POLICE	RADIATOR
7/2/2001	18DA	POLICE	BRAKES
	166DA	WATER	MIRRIOR
	354DA	POLICE	RADIATOR
7/6/2009	246DA	POLICE	SERVICE
	354DA	POLICE	A/C CONDENSIOR
	269DA	HEALTH	SERVICE
7/7/2009	DET	POLICE	SERVICE
	DET	POLICE	SERVICE
	283DA	WATER	SERVICE
7/8/2009	274DA	HEALTH	SERVICE
	DET	POLICE	BRAKES TIRES
	15DA	POLICE	SHIFTER
7/9/2009	280DA	WATER	BRAKES SERVICE
	DET	POLICE	SERVICE
7/10/2009	16DA	TRAFFIC	SERVICE
	223DA	POLICE	ELECTRICAL LIGHT BAR
	15DA	POLICE	TRANNY SERVICE
7/13/2009	1DA	MAYOR	SERVICE BRAKES
	5DA	POLICE	LIGHT
	225DA	POLICE	FLAT
	223DA	POLICE	LIGHT BAR
7/14/2009	MOWER	WATER	ALTERNATOR
	223DA	POLICE	TUNE UP
	15DA	POLICE	SERVICE
7/15/2009	195DA	POLICE	SERVICE
	261DA	POLICE	SERVICE
	279DA	WATER	BRAKES SERVICE
7/16/2009	279DA	WATER	BRAKES SERVICE
	261DA	POLICE	SERVICE
	195DA	POLICE	LIGHTS SERVICE
7/17/2009	224DA	AIDS	BRAKES SERVICE
7/20/2009	224DA	AIDS	BRAKES SERVICE
7/21/2009	224DA	AIDS	BRAKES SERVICE
	231DA	WATER	SERVICE
7/22/2009	157DA	POLICE	SERVICE
	354DA	POLICE	NOISE
	231DA	WATER	SERVICE
	MOWER	WATER	STARTER
7/23/2009	157DA	POLICE	SERVICE
	354DA	POLICE	NOISE
	DET	POLICE	A/C
7/24/2009	19DA	POLICE	FRONT END SERVICE
	DET	POLICE	A/C
	206DA	HWY	BRAKES SERVICE
7/27/2009	19DA	POLICE	FRONT END SERVICE
	9DA	POLICE	STRIP LIGHTS RADIOS ECT.

7/28/2009	19DA	POLICE	FRONT END SERVICE
	228DA	POLICE	REMOVE REAR BODY
	101DA	WATER	A/C COMPESSIOR
7/30/2009	101DA	WATER	BRAKE LINE FUEL GAGE
	228DA	POLICE	INSTALL BODY
	334DA	POLICE	SERVICE