

**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.**

July 28, 2009

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

RE: Monthly report for June, 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 June, 2009.

A second public information meeting for the Ellsworth Avenue School site was held on June 16, 2009. In the early part of the day we met with the teachers and Board of Education staff, and in the later part of the afternoon we met with the abutting property owners and other members of the public.

At the meeting, I presented all of the remedial and soil management work that was completed in order to address the historic fill that was encountered during construction. For the benefit of the abutting property owners, I discussed the testing process and findings for each of the properties that we tested. The CT Department of Environmental Protection and the CT Department of Public Health attended these meetings and have been instrumental in providing guidance and support on the work performed at the school and the testing on the abutting properties.

We look forward to completion of the school and welcoming students to a new, state-of-the art building.

The Public Works Department is looking ahead to the 2009 Nutmeg Games. The crews are, once again, committed to providing the best playing fields and facilities for some of the events which commence in July.

Weather permitting, the Highway Division continues to perform work for the paving program. Milling has commenced on Wilson and Wooster Streets to get ready for paving. The paving on these two streets should be completed at the beginning of July.

More drainage work was also performed to alleviate various icing conditions, which is a tremendous investment for the City, in order to cut winter overtime and save on ice control materials. The Engineering and Highway Divisions are working on a project to tackle drainage on Caye Road. Intensive and complex research was conducted to develop a solution to relieve some of the flooding that exists in many areas of the City.

I have been working with the Public Utilities Management team on dealing with the vast issues that exist as new regulations are enacted by the state and federal agencies and the State's interest in changing some previously permitted flood skimming operations at Lake Kenosia.

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 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 remaining plantings are in the ground. We expect to close the project out by the end of July. A final walk through has been scheduled with the designer and contractor.

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.

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 were 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 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. 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.

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. 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.

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.

Williams Street

Construction Services is 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

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.

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: Due to possible conflicts with one of the easement properties, we have requested a new solution and proposal for the storm drainage from the design engineer.
- 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.
- Boulevard Drive Sewer Assessment: The Consulting Engineer has submitted plans and specifications and a cost estimate for an underground pump station sanitary sewer system for review. We met with one of the property owners to show him the plans and keep him informed.
- Briar Ridge Road, Rolf's Drive, Greta Drive and Cel Bret Drive Sanitary Sewer: We performed our final review of the design and estimate and prepared the preliminary assessments. We will review the preliminary assessments and send out the 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 has completed their work and are in the process of finishing the final punch list items. School is substantially complete. Punch list work (interior) is 97% complete. Final site A-2 survey is due this week. Building inspections were completed, and temporary Certificate of Occupancy was issued.

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; (#78-#80) Garfield Avenue Drainage Project; Tamarack Avenue Drainage Project (through Wooster Cemetery); Rogers Park Soccer Field and Parking Lot; Rose Street Sewer Project; Ives Trail Easements; White Street Paving and Drainage Project; Backus Avenue Traffic Signal Improvement Project; the City-Wide Drainage Project and miscellaneous sight-line, paving/road widening and tree issues.

DHS ADA plans: The Engineering staff, along with the Public Services Division and Public Buildings, have collected cost estimate to do this work. Permit has been secured, and work has started.

Park Avenue School Roof: State approval has been secured, and project was bid out. Opening bids are due on July 30, 2009.

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 were awarded to a local contractor.

Garfield Avenue Storm Drainage: Project is 100% complete. We are waiting on final survey.

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

Lincoln Avenue: Design is being done in-house and is 75% complete. Funding is part of ARRA/CDBG. Working on preliminary cost estimates.

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. Waiting on State of Connecticut field visits to the sites.

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 Department was very busy with tree plantings in Rogers Park during the month of June. A wing euonymus was planted along the retaining wall and sidewalk at the new playing field adding a nice touch to the project. Green mountain maples were planted along the roadway to replace trees which had to be removed.

The American Legion Auxiliary donated a green mountain maple which was planted by the Rose Garden. The crew was happy to assist with the placing of the tree. We would like to thank them for their donation honoring the veterans of Danbury.

Trees were trimmed or removed at the following locations: Woodbury Drive, Westville Avenue Extension, Beverly Drive, Driftway Point Road, Holley Street Extension, West Street and Main Street. A dead hickory tree was also removed from Candlewood Lake parking lot.

The crews responded to tree calls at the following locations: Brushy Hill Road, Westville Avenue, Fanton Drive, Starrs Plain Road and Great Plain 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 Division crews have completed the first round of street sweeping. Weather permitting, we try to have a sweeper out on a daily basis. We continue to work with the UNIT in an attempt to get the litter problem under control.

The spring clean-up and yard debris pick-up has also been completed. Homeowners can bring leaf bags, twigs and branches to Ferris Mulch on Plumtrees Road.

Twelve (12) basin repairs at four (4) locations was performed in preparation for the second round of milling and paving which started at the end of the month. Wilson Street, Wooster Street, Robinview Terrace, Delta Avenue, Connecticut Avenue and Greenfield Avenue were milled and the paving started this month.

The sign crew installed twelve (12) new signs and nine (9) new posts at six (6) locations. Many repairs were also made a several other locations.

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:

The Parks Maintenance Division has been very busy during the month of June preparing and maintaining the playing fields for the softball, lacrosse and soccer programs. The Parks Maintenance Division is committed to providing a good field to play on for every game.

The activities at the Green are in full swing. The crews take great pride in ensuring that the area is cleaned before and after each event to provide a pleasant and relaxing atmosphere for the public to enjoy in the downtown area.

Although it has been a rainy month, the mowing of the schools, inner City and parks continue to 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 three members retired. Along with those staff members went nearly eighty years of experience in the maintenance of the City's buildings and schools. It is my sincere hope that these positions will be filled quickly as the demand for service is steadily increasing in direct proportion to the age of our buildings. I wish to congratulate the retirees, Emilio Soto, Richard Scalzo and Joseph Chelso, and I wish them well in their future endeavors.

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). We have had to ask for additional containers to accommodate the volume of paper we are able to recycle. This is very good for Danbury and is good for the planet!

Veterans Hall: The pass card system is working well and for the most part the veteran groups are very satisfied with the facility. The adjacent fields are also nearing completion and when the fields are complete the parking lot will be finalized. The flagpole needs to be installed and that should be completed by the end of July with the parking lots and landscaping. We are utilizing the old well that formerly served the hall for irrigation of the adjacent field. A good reuse of the resources we had available to us.

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: 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. Work is scheduled for the end of July 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 system is currently in local operation until changes can be made to network the data and visuals. Funding should be released soon to complete this project.

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 in the fall.

In the meantime we have removed a ductless split AC system from the Old PD computer room and will retrofit it into the city hall traffic control room, which needs auxiliary cooling.

We are also moving the generator for the old PD to Public Works 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.

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.

Roberts Avenue School: The Roberts Ave. school building is being vacated by the Danbury School system as they move to the new Ellsworth Avenue School (Fall 2009). The City is responsible for the removal of the underground fuel storage tank and piping. This work will be coordinated by our consulting engineer and bid for good pricing. The cost for all this related work is borne by the money given to Danbury and set aside for this and other projects as we prepare to give 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 June. In the month of June we received 231 new work requests and completed 143 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 152.00 man-hours dedicated to this service. The next largest area of concentration was in mechanical repair work, utilizing 146.50 man-hours of labor. Electrical repairs came in as the third highest category with 57.00 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 June 2009. Also attached is the Public Utilities Vehicle Maintenance Report.

As of July 16, 2009 there are 94 hydrants out of service. Repairs to hydrants are continuing.

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 June 2009

	Labor Hours	Total Hours This Month	Total Hours Last Month	Difference	Percent Change
Carpentry		9.50	10.50	-1.00	-10.53
City Bldgs	9.50				
Schools	0.00				
Electrical		57.00	87.50	-30.50	-53.51
City Bldgs	13.00				
Schools	44.00				
Alarms		0.00	0.00	0.00	0.00
City Bldgs	0.00				
Schools	0.00				
HVAC		6.50	4.50	2.00	30.77
City Bldgs	4.00				
Schools	2.50				
Locksmith		3.50	0.00	3.50	100.00
City Bldgs	3.50				
Schools	0.00				
Maintenance		28.00	21.50	6.50	23.21
City Bldgs	11.00				
Schools	17.00				
Mechanical		146.50	217.00	-70.50	-48.12
City Bldgs	146.50				
Schools	0.00				
Plowing		0.00	3.75	-3.75	0.00
City Bldgs	0.00				
Schools	0.00				
Plumbing		152.00	187.25	-35.25	-23.19
City Bldgs	25.50				
Schools	126.50				
Roofing		12.50	0.00	12.50	100.00
City Bldgs	1.00				
Schools	11.50				
New Work Requests received		231			
Work Requests Completed		143			

M E M O R A N D U M

DATE: July 16, 2009
TO: City of Danbury, Common Council
FROM: *David M. Day, P.E.*, Superintendent –June 2009
RE: Sanitary Sewer Collection System Maintenance

Complaints: 8

Number Received: 8

Number Completed: 8

Pipe Cleaned: 800 LF

Gallons of Water Used: 7,000

Pipe Inspected:

COMMENTS:

MAINTENANCE REPORT - BUILDING # 6
6/1/09

6/1/2009	287DA	POLICE	SERVICE
	DET	POLICE	ELECTRICAL
	137DA	PLANNING	OIL LEAK BRAKES STUTS SERVICE
6/2/2009	137DA	PLANNING	OIL LEAK BRAKES STUTS SERVICE
	354DA	POLICE	SERVICE
	3DA	POLICE	TIRE R/C
	18DA	POLICE	TIRE R/C
	DET	POLICE	ELECTRICAL
6/3/2009	333DA	POLICE	SERVICE
	DET	POLICE	ELECTRICAL
6/4/2009	DET	POLICE	ELECTRICAL
	333DA	POLICE	SERVICE
	204DA	HEALTH	WINDOW
6/8/2009	353DA	POLICE	SERVICE TIRE
	204DA	HEALTH	WINDOW
6/9/2009	164DA	PERMIT	TIRE R/C
	227DA	WATER	ENGINE LIGHT SERVICE
	4DA	POLICE	SERVICE
	MOWER	WATER	MUFFLER
6/10/2009	159DA	WATER	REAR HATCH
	4DA	POLICE	FRONT BUMPER SERVICE
6/15/2009	6DA	POLICE	SERVICE BRAKES
	3CH546	SENIOR	NO START
6/16/2009	191DA	POOL	SERVICE
	6DA	POLICE	BRAKES SERVICE
	354DA	POLICE	WATER PUMP
6/17/2009	6DA	POLICE	BRAKES
	354DA	POLICE	WATER PUMP
	337DA	POLICE	SERVICE
	192DA	AIRPORT	NAIL IN TIRE/ CHECK
6/18/2009	354DA	POLICE	FLUIDS
	337DA	POLICE	WATER PUMP
	337DA	POLICE	ALIGNMENT
6/29/2009	3DA	POLICE	OVERHEAT [DEALER]
	246DA	POLICE	OVERHEAT [DEALER]
	18DA	POLICE	DEAD BATTERY
	615XHM	DET	FLAT TIRE