

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 25, 2011

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

RE: Monthly report for June 2011

Dear Mayor Boughton and Members of the City Council:

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

Extensive planning and several large meetings were held in preparation for the kick-off of our boiler replacement project. The Construction Services Division, along with the Engineering Division, are working on administrating one of the largest, most complicated projects to even be taken on in the time-frame available. Several asbestos abatement projects were kicked-off immediately after school was out to allow the boiler replacement project to proceed without interruptions.

We also kicked-off the turf field replacement project at the high school in hopes that it would be completed before the first football game in the early fall.

Several discussions took place regarding the air conditioning at the new Police Department headquarters. The Chief and my staff provided all information that was requested during the inquiry.

The next month or two will be a very busy time. In addition to these two projects, there are several others kicking off which will require all hands-on in order to manage and secure their success.

Should you have any questions regarding this report or any of the separately submitted division reports please call me at 203-797-4537.

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

Backus Avenue Bridge over Miry Brook: The project was bid in December with a spring construction start. Project was completed and opened to traffic on October 22, 2010. Semi Final inspection was held on November 2, 2010. Final inspection held May 25, 2011. The project is now in the closeout phase with ConnDot.

B.I. Access Project: (Earthmovers) We have extended the grant & project through the Department of Economic Development till 12/11. This will allow us to use the remaining grant monies to install additional sidewalk and lighting on the median as you enter Old Ridgebury Road from Mill Plain Road. The change order for the additional work has been approved and executed. The additional work is at no cost to the City of Danbury and is fully funded by the State of CT DECD. The Contractor has begun the additional work with a end of July completion date for the project. Construction Services has taken over the project inspection from our consultant VHB.

White Street ARRA Project: The contract was bid with A&J Construction as the low bidder. The contractor completed the paving on 8/30/10 and is at substantial completion work. We have requested to do some additional work on White Street under the project's ARRA funding. ConnDot has agreed with our request to install an additional 1,000 L.F. of sidewalk throughout the project limits. We also have submitted some additional widening on the south side of White Street east of the Locust Avenue intersection. This is fully funded at no cost to the City of Danbury. A&J has completed the additional work. A Semi Final Inspection was held with the A&J Construction, City of Danbury and representatives of ConnDot. A minimal punch list has been established and A&J will proceed with the punch list work. The City Traffic Engineer has requested some additional signage and several additional Dura Threm Crosswalks. ConnDot was receptive to the additional request. Once we receive the quantities from the City Traffic Engineer we will request a change order under our ARRA funding. Construction Services has administered and inspected the project with a total reimbursement to the City for personnel.

Lincoln Avenue: The contractor will complete the remaining items as weather conditions permit we have an April 11, 2011 start date. The contractor has completed the project. A punch list has been established.

Tarrywile Parking Lot: The parking lot has been completed, using our in-house resources and City Bid Lists to reduce the cost. Punch list remains and will be completed as weather conditions permit.

Stadley Rough School Roof Project: The project was awarded to Silktown Roofing. The plumbing contractor has completed the internal main runs for the new roof drains. We have also completed the masonry roof flashing and started the chimney brick replacement and re-pointing. The contractor has mobilized and begun the roofing installation. The project is being administered by Construction Service.

Danbury Schools Boiler Project: Construction Services contracted and administered the asbestos abatement of the boiler rooms at Mill Ridge Primary, King Street Intermediate and Stadley Rough Schools. The abatement finished on schedule and within budget. This was a key element as not hold up Honeywell's schedule. The overall boiler project is progressing on schedule.

Construction Services continues to issue road opening permits and inspection of contractors work within the City of Danbury's rights of way throughout the city.

Should you have any questions regarding this report, please do not hesitate to call me at 203-797-8069.

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

Assessment Projects:

- Olive Street and Tilden Road Area Sanitary Sewer Extension: Responses for mail survey were received and sent to City Council. A public hearing will be scheduled for next month by the Legislative Assistant's office.
- Shannon Ridge Road, Fairlawn Avenue, Edgewood Street and Westville Avenue Extension Sanitary Sewer and Water Main Extension for Fairlawn Avenue and Myrtle Avenue: In-house design and estimate are complete. Results have been received and compiled for the Council for final determination for the June agenda.
- Ivy Lane, Cedar Street and Sylvan Drive Water Main Extension: Preliminary design completed. Cost estimate completed. Mail survey sent out. Results have been received and will be compiled for the Council for final determination for the July agenda.
- Deepwood Drive Sanitary Sewer Extension: Preliminary design and cost estimate completed. Mail survey sent out.
- Juniper Ridge Drive Sanitary Sewer Extension: Preliminary design and cost estimate completed. Mail survey sent out.
- Candleview Ridge Sanitary Sewer: Working on preliminary design and cost estimate.
- East Gate Road Sanitary Sewer Extension: Preliminary design and cost estimate completed. Mail survey to be sent out within the next couple of months.
- Karen Road Sanitary Sewer Extension: Preliminary design and cost estimate completed. Mail survey to be sent out within the next couple of months.
- Hawthorne Terrace Water: Design work for Phase III to begin within the next couple of months. Waiting on State DPH final approval of contract.
- Ryders Lane and Southern Boulevard Sanitary Sewer Extension: Working on preliminary design and cost estimate.
- South Cove Road Storm Drainage and Road Acceptance: Working on preliminary design and cost estimate.

Traffic: Review of land-use development plans; handling of public complaints and routine repair and maintenance of traffic control signal devices and pavement markings.

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.
- Field inspection of sanitary sewer, water mains and new roads are performed regularly on various developments.
- Review of drainage problems, including site visits, analysis and design.

Survey crew: Verification of R.O.W. on tree issues and locating storm drainage for the entire City using GPS equipment. Preparing surveys for in-house design of City projects.

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 (203) 797-4641.

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

In the month of June, the Highway Department continued working on the first round of street sweeping. There are two sweepers out daily and a third depending on other job needs and manpower available. The Spring Clean-Up Collection has been completed. From this point forward, homeowners can take bags to Ferris Mulch on Plumtrees Road free of charge.

The construction crews made three (3) drainage repairs on Wooster Heights, Logan's Way and Catalpa Drive. New drainage was installed at Rogers Park. The ball fields were graded and upgraded at Pembroke, Hayestown and Stadley Rough Schools and at Rogers Park. These fields are now in tip-top shape. The crews also graded several roads in the City. Breeze Hill was dredged to help with drainage.

Fifteen (15) new signs were installed at five (5) locations along with numerous repairs performed at several locations. Two pothole crews are out daily repairing potholes, aprons and curbing.

Should you have any questions regarding this report, please feel free to contact me at 203-797-4605.

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

The month of June was very busy for the Parks Maintenance Division with the beginning of summer activities. The City's beaches and spray-park were in full swing. The crews have been hard at work maintaining all of the fields for the many sporting programs throughout the City. The Parks Maintenance Division insures that all of these organizations have great fields to play on every day. The City Center Green is cleaned and prepared for the weekly concert series.

Mowing continues to be on schedule at all of the schools, lawns of the inner City and the parks.

Should you have any questions regarding this report, please feel free to contact me at 203-796-1558.

Forestry Division report submitted by Mark Miller, Foreman Forestry Department

The Forestry Division was involved in several project in the month of May. The first project was loading steel and tires for the Clean City Danbury Day. As in the past years, Clean City Danbury Day was a great success.

The Division also participated in the Public Works Awareness Day at the complex. Tree climbing demonstrations took place. The students loved the show and were a good audience. The divisions's display show cased our Tree City awards and the many tools we use in course of our tasks. We look forward to next year's event.

Personnel mulched and cleaned Main Street in preparation for the Memorial Day Parade. The flower beds in Rogers Park and other locations through out the City were also mulched and planted to be ready for the

Memorial Day services taking place at various locations. We also installed new flags at many locations within the city.

Removal and pruning was performed at the following locations: Long Ridge Road, Stadley Rough Road, King Street School t-ball fields and West St. A considerable amount of pruning and clean-up was performed on Rose Street.

Should you have any questions regarding this report, please feel free to contact me at 203-797-4609.

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

EECBG Grant: Our project reviewer from the Department of Energy has approved our revised projects and has given the City a green light to proceed. The energy conservation projects at the Public Works Highway garage and at the City Hall will begin in May. The smaller projects that we will perform with our staff will begin in June.

City Hall: The contractor who will be installing the handicapped lavatory for the third floor has signed his contract and is in discussion with the architect. I anticipate a June construction start up.

Old Jail Building: The Old Jail will receive some TLC to its facade with repairs to deteriorating masonry and wooden accents. The Old Jail will retain its historical appearance and receive a new lease on life through the use of modern construction materials. This has been awarded and we are awaiting better weather for the project to begin. When we receive state funds we will perform a few minor changes to the old jail to accommodate the WIC program. Once they have moved in to the old jail we will decommission the McLean house.

Hatters Park Building: There will be a few ADA improvements to the Hatters Park Bowling area which will allow handicapped individuals access to the facilities. A new ADA approved entrance and lavatory will be added. This will make this city building ADA compliant and handicapped citizens will now be able to utilize this facility for recreation. The contractor for this project has signed his contract and with the onset of good weather the project will begin.

Danbury Public Schools: The City Council action to approve the \$11.5 M for the schools energy conservation project allowed us to commence negotiations with Honeywell Corporation to act as the construction manager at risk for this project. The funding for this project will be in part, funded by Qualified Energy Conservation Bonds. I have already sent our application in to the Connecticut Development Authority and expect their decision by mid May. Our goal is to iron out all the issues for a June construction start up which will make sure we have new heating systems in place by the fall of this year and new windows and doors at DHS by the end of the summer of 2012. This project is very necessary and I thank the council and Mayor for their support!

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 May 2011. In the month of June we received 159 new work requests and completed 151 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 with a total of 154 man-hours dedicated to this service. The next largest area of concentration was in electrical repair work, utilizing 72.50 man-hours of

labor. Mechanical repairs came in as the third highest category with 48.00 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 David Day, Superintendent of Public Utilities:

Enclosed is the monthly report to the Common Council for activities that took place in June 2011. Also attached is the Public Utilities Vehicle Maintenance Report.

As of July 15, 2011 there are 114 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, please do not hesitate to call me 203-797-4593.

Sincerely,

Antonio Iadarola, P.E.

Antonio Iadarola, P.E.
Director of Public Works

AI/dgs

cc: Jean Natale, Legislative Assistant
Rick Palanzo, Superintendent, Public Buildings Division
Mark Saumell, Equipment Maintenance Division
Mark Miller, Forestry Division
David Day, P.E., Superintendent, Public Utilities Division
Tom Hughes, Superintendent, Construction Services Division
Farid Khouri, P. E., City Engineer

APPENDIX "A"

PUBLIC BUILDINGS

City of Danbury
Monthly Report June 2011

	Labor Hours	Total Hours This Month	Total Hours Last Month	Difference	Percent Change
Carpentry		0.00	16.50	-16.50	0.00
City Bldgs	14.50				
Schools	0.00				
Electrical		72.50	84.00	-11.50	-15.86
City Bldgs	17.00				
Schools	55.00				
Alarms		0.00	0.00	0.00	0.00
City Bldgs	0.00				
Schools	0.00				
HVAC		32.00	6.00	26.00	81.25
City Bldgs	0.00				
Schools	32.00				
Maintenance		58.00	48.00	10.00	17.24
City Bldgs	16.00				
Schools	42.00				
Mechanical		28.50	57.50	-29.00	101.75
City Bldgs	7.50				
Schools	24.00				
Plowing		0.00	0.00	0.00	0.00
City Bldgs	0.00				
Schools	0.00				
Plumbing		154.00	313.50	-159.50	-103.57
City Bldgs	22.00				
Schools	132.00				
Roofing		5.50	25.50	-20.00	-363.64
City Bldgs	0.00				
Schools	4.00				

New Work Requests received this month 159
Work Requests Completed this month 151



To: David Day, P.E., Supt. of Public Utilities, City of Danbury

M E M O R A N D U M

DATE: July 14, 2011
TO: City of Danbury, Common Council
FROM: *David M. Day, P.E.*, Superintendent – June 2011
RE: Sanitary Sewer Collection System Maintenance

Complaints: 14

Number Received: 14

Number Completed: 14

Pipe Cleaned: 2500 FT

Gallons of Water Used: 13,000

Pipe Inspected:

COMMENTS:

TO : City Council - City of Danbury

FROM : David Day, Superintendent of Public Utilities

DATE : July 18, 2011

RE : WATER DEPARTMENT REPORT: JUNE 2011

I. WATER PRODUCTION :

A) Margerie Water Treatment Facility :	<u>97.5</u>	MG.
B) West Lake Water Treatment Facility :	<u>116.9</u>	MG.
C) Kenosia Well Field :	<u>0</u>	MG.
D) Osborne Street Well Field :	<u>0</u>	MG.
E) Other :	<u>0</u>	MG.

(MG. = Million Gallons)

II. RAINFALL :

A) Month :	<u>5.9</u>	inches
B) Past 12 Months (running total) :	<u>53.3</u>	inches
C) Current Year (Jan.- Current Mo.) :	<u>29.6</u>	inches

III. WATER STORAGE :

date: 6/1/2011

	<u>Current Reading</u>		<u>Historical Average</u>	
A) East Lake Reservoir :	<u>100.0</u>	%	<u>93.8</u>	%
B) Margerie Lake Reservoir :	<u>100.0</u>	%	<u>94.1</u>	%
C) West Lake Reservoir :	<u>100.0</u>	%	<u>95.6</u>	%
D) Total :	<u>100.0</u>	%	<u>94.8</u>	%

IV. WATER PUMPED :

A) Park Avenue Pump Station :	<u>0</u>	MG.
B) Padanaram(High School) Pump Station :	<u>5.50</u>	MG.
C) Shelter Rock Pump Station :	<u>3.43</u>	MG.
D) WestConn Pump Station :	<u>0.76</u>	MG.

E) Margerie Pump Station :	<u>3.75</u>	<u>MG.</u>
F) Pleasant Acres:	<u>2.10</u>	<u>MG.</u>
G) Nabby Road:	<u>2.82</u>	<u>MG.</u>
H) Harvest Hill:	<u>3.67</u>	<u>MG.</u>
I) West Lake High Service :	<u>53.3</u>	<u>MG.</u>
J) Total Water Pumped (A-I) :	<u>75.3</u>	<u>MG.</u>
	(MG. = Million Gallons)	

V. WATER TRANSFERRED :

A) East Lake to Margerie Reservoir :	<u>25</u>	<u>MG.</u>
B) Padanaram to Margerie Reservoir :	<u>0</u>	<u>MG.</u>
C) Kohanza to West Lake Reservoir :	<u>0</u>	<u>MG.</u>
D) Kenosia Diversion to West Lake Reservoir :	<u>0</u>	<u>MG.</u>
E) Kenosia Wells to West Lake Reservoir :	<u>0</u>	<u>MG.</u>
F) Total Water Transferred (A-E):	<u>25</u>	<u>MG.</u>
	(MG. = Million Gallons)	

VI. ALGAE CONTROL :

- A) Margerie Reservoir - 3450 lbs. Copper Sulfate
- B) _____
- C) _____
- D) _____

VII. SURVEY OF WATER SOURCES :

- A) Disinfection by-products (Trihalomethanes & Haloacetic acids) testing
of water distribution system.
- B) _____

VIII. SUPERINTENDENTS NOTES :

Equipment Maintenance

Date	Vehicle	Repair Provided	Department
6/1/11	65 DA	Front cover	Forestry
	44	Front end noise	Highway
	48 DA	RS Wheel bearing, front rotor and brakes	Building Inspector
	40	Replace side broom	Highway
		RC Park's garage	Parks
	210	RC North St.	Public Buildings
	100	Replace side broom	Highway
	241 DA	Repair RF tires	Public Buildings
	286 DA	RC	Public Buildings
	6/2/11	65 DA	Front cover
286		No start	Public Buildings
210 DA		No start	Public Buildings
83		Replace side broom	Highway
40		RC	Highway
40		Minor broom repair	Highway
6/3/11	210 DA	Install fuel pump	Public Buildings
	22	Install side broom	Highway
	644	Truck 14 & 9 jump start	Highway
	83	Service	Highway
	198	RC Body will not go down	Parks
	65	Front cover	Forestry
	40	Service and brooms	Highway
	6/6/11	65 DA	Front cover
210		Service	Public Buildings
151 DA		Replace tail light	Forestry
109 DA		Check air, front tires	Highway
40		RC	Highway
8		Adj. brakes	Highway
6/7/11	210 DA	Front brakes	Public Buildings
	198 DA	Clean battery terminals	Parks
	40	Broom solenoid	Highway
	198 DA	RC Stadley Rough School, body stuck	Parks
	27	Hook up water tank	Highway
6/8/11	27	Water tank	Highway
	48	Exhaust	Highway
6/9/11	64 DA	A/C	Building Maintenance
	167 DA	Check brakes	Parks
	20	Check steering	Highway
6/10/11	11	Check warning light	Highway
	48	Exhaust clamp	Highway
	40	Drag boards	Highway

	23	Flat tire,mirror broke and bumper	Highway
6/10/11	198 DA	Service	Parks
	40	Conveyor assembly	Highway
	16	Mud flap bracket	Highway
6/13/11	40	Conveyor assembly	Highway
	16	Mud flap bracket	Highway
	2	Tailgate latch	Highway
	3	Exhaust service	Highway
	83	RC Stadley Rough bucket pin	Highway
6/14/11	2	Tailgate latch	Highway
	3	Service	Highway
	100	Tail light loose	Highway
	41	Mount pintle hook on bracket	Highway
	100	RC	Highway
6/15/11	109	Cutting head	Highway
	83	Side brooms	Highway
	3	Service	Highway
	198 DA	Battery cable, LS tire rod	Parks
	9	Air leak	Highway
6/16/11	9	Hyd leak	Highway
	83	RC E. Pembroke, shear pin	Highway
	105	Check fluids	Highway
	167 DA	Lights	Parks
	40	Coils	Highway
6/17/11	40	Coveyor coils	Highway
	3	ABS	Highway
	14	Battery	Highway
	32 DA	Exhaust leak	Engineering
	198 DA	Battery cable	Parks
6/20/11	9	Air valve	Highway
	40	RC Padanarum, main broom	Hlghway
	75 DA	Flat tire	Building Inspector
	301	RC Hayestown, body	Parks
	50	Pintle hook plate	Highway
	48	RC , air compressor belt	Highway
6/21/11	32 DA	Exhaust manifold bolts	Engineering
	83	S/B chain assembly	Highway
	3	RC Long Ridge, P/S hose	Highway
6/22/11	57	Fuel pedal sticks	Highway
	32 DA	Exhaust manifold bolts	Engineering
	83	S/B assembly	Highway
	247 DA	Service	Building Maint
6/22/11	5	RC Airport, need brake can	Highway

	42	Idle switch	Highway
6/27/11	40	Replace side broom	Highway
	83	SB assembly	Highway
	178 DA	Install windshield	Highway
	56 DA	Side dump	Parks
6/28/11	178 DA	Install windshield	Highway
	56 DA	Side dump	Parks
	27 DA	Repair LR tires and service	Engineering
	59	RC	Highway
6/29/11	59	Alternator	Highway
	109	Flat tire	Highway
	178 DA	Install windshield	Highway
6/30/11	178 DA	Install windshield	Highway
	91	Adjust rear motor clutch	Highway
	40	Check anti freeze	Highway
	109	Check air in tires	Highway
	58	Heater grease fitting	Highway
	22	Main broom	Highway