

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.

June 27, 2011

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

RE: Monthly report for May 2011

Dear Mayor Boughton and Members of the City Council:

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

Once again, Clean City Danbury Day was a great success with 180 tons of materials collected. We appreciate the efforts of the residents to help reduce litter and keep Danbury the beautiful city that it is. Special thanks go to the members of the City Council and all of the over 400 volunteers for contributing to the success of the program.

The Association of Public Works Professionals of the Housatonic Valley has secured funding through the Department of Emergency Management and Homeland Security for emergency management training for Region 5. Danbury is hosting five of the classes and we are pleased with the number of public works personnel from area towns registering to attend. Funding was also secured for two portable digital signs. There have been many requests for the signs throughout the region, especially due to the number of unusual storms.

The Fourth Annual Public Works Awareness and Employee Recognition Day took place on May 23rd. Second grade students from Ellsworth Avenue School visited the complex to learn about some of the work performed by the department personnel. The students enjoyed looking at the trucks and equipment, the traffic light demonstration, the fire hydrant display and the hands-on marking

demonstration. The students especially like the hayride around the complex and watching Patrick Shanahan, from the Forestry Division, climb a tree. The employees enjoyed the day as much as the students. After the students leave, a short program is held with the director and superintendents recognizing and thanking the staff for all that they do.

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 mid 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 mobilized to the site and begun the additional work with an end of June project completion date. Construction Services is doing the inspection 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 remobilized with an end of June completion

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.

Tarrywile Mansion: Renovations to the kitchen have been completed: new floor, counter top, faucets and sink installed. Two new Exterior French doors were also installed. This work is being funded by a LOCIP grant at no cost to the City of Danbury.

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.

Library Place Sidewalks: The project was awarded to EDO Construction Co. from Milford CT. The contractor has completed the project. The project was administered and inspected by Construction Services.

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.
- Candlevine 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:

Another very successful Clean City Day was held on May 7, 2011. Residents began lining up just after dawn to get rid of unwanted items.

The construction crew performed many tasks. The parking lot and walkway to the playground area in Roger's Park were completed. At Old Mill Plain Road, the crew rebuilt the road and new drainage and a retaining wall was installed. At Ford Lane the river was cleaned and a new drain pipe installed. The ditch on Starr Road by Federal Road was dredged and the catch basins pumped out to improve the drainage of storm water. With the assistance of the Parks Maintenance Division, the ball fields at King Street School and the beach at Candlewood Town Park was graded for the Memorial Day opening.

Two or three pothole crews and the sweepers are out, weather permitting. The collection of the spring clean-up bags and bundled brush continues. Numerous sign repairs were made at various locations throughout the City. The garbage and recycling trucks continue their daily pick-ups.

The highlight of the month was on May 23rd when the Public Works Department celebrated Public Works Week. The smiles on the faces of the children from Ellsworth School made the memory of our winter disappear.

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:

During the month of May the Parks Maintenance Division was very busy with all of the baseball, softball, lacrosse and soccer programs. All of the fields that are used have to be maintained seven days a week. The staff provides all of these organizations a good field to play on a daily basis. The Parks Maintenance crew reconstructed the ball fields at King Street School, giving the children top-notch fields to play on.

With the help of the Forestry Division, the mulching at the playgrounds began. The beaches at Lake Candlewood and Kenosia, along with the Spray Park at Roger's Park were readied for the opening on Memorial Day. The spring planting was also performed.

With the team effort of the Highway, Parks Maintenance and Forestry Divisions, the Memorial Day Parade route was in perfect shape. Parks Maintenance personnel also began mowing all of the school lawns, along with the lawns in the inner-City.

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 a 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 May we received 158 new work requests and completed 160 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 311.50 man-hours dedicated to this service. The next largest area of concentration was in electrical repair work, utilizing 82.00 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 May 2011. Also attached is the Public Utilities Vehicle Maintenance Report.

As of June 21, 2011 there are 109 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 April 2011

	Labor Hours	Total Hours This Month	Total Hours Last Month	Difference	Percent Change
Carpentry		14.50	85.50	-71.00	-489.66
City Bldgs	14.50				
Schools	0.00				
Electrical		42.00	99.50	-57.50	-136.90
City Bldgs	7.00				
Schools	35.00				
Alarms		0.00	0.00	0.00	0.00
City Bldgs	0.00				
Schools	0.00				
HVAC		25.00	51.00	-26.00	-104.00
City Bldgs	7.00				
Schools	18.00				
Maintenance		26.50	43.00	-16.50	-62.26
City Bldgs	26.50				
Schools	0.00				
Mechanical		44.50	41.00	3.50	7.87
City Bldgs	43.50				
Schools	1.00				
Plowing		0.00	0.00	0.00	0.00
City Bldgs	0.00				
Schools	0.00				
Plumbing		262.50	360.50	-98.00	-37.33
City Bldgs	37.50				
Schools	225.00				
Roofing		4.00	19.50	-15.50	-387.50
City Bldgs	0.00				
Schools	4.00				

New Work Requests received this month 164
Work Requests Completed this month 113



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

From: Walter Royals, Project Manager **Walter Royals**

Subject: WPCP Report For Month of: **May '11**

Date: 6/10/11

I. Wastewater Treatment:

A)	Sewage Processed:	10.6	MGD (Daily Avg)	327.6	Million Gallons Total
B)	Septic Waste Processed:			1,233,900	Gallons Total
C)	Sludge Pumped To Digesters:			651,781	Pounds Total

II. Wastewater Quality

		Influent	Effluent	% Removal	Effluent Limit
A)	BOD (mg/l)	210	5	97	30 mg/l and 85%
B)	Total Suspended Solids (mg/l):	278	5	98.4	30 mg/l and 85%
C)	Total Phosphorus (mg/l):	6.8	0.7	90	1.0 mg/l
D)	Ammonia (mg/l):	26.8	0.20	99	1.9 mg/l
E)	Total Nitrogen (lbs/Day):	3,036	656	78	486 lbs/day

Note: Phosphorus limits apply May - September.

Nitrogen limit for credit only.

III. Pump Station Operation:

A)	Beaver Brook:	716.3	Hours Run
B)	Southfield:	40.5	Hours Run
C)	Mill Plain:	1,141.7	Hours Run
D)	Backus:	307.6	Hours Run
E)	Tarrywile	147.8	Hours Run
F)	Turner Road:	69.0	Hours Run
G)	Ford Avenue:	25.1	Hours Run
H)	Indian Glen:	115.9	Hours Run
I)	Delay Street:	28.9	Hours Run
J)	Hayestown Road:	70.5	Hours Run
K)	Kenosia Avenue:	3.8	Hours Run
L)	Larson Drive:	50.3	Hours Run
M)	Landfill:	178.0	Hours Run
N)	Thrope Street	18.7	Hours Run
O)	Poets Landing	9.8	Hours Run
P)	Rogers Park	16.6	Hours Run

Total Station Alarms: 5

MEMORANDUM

DATE: June 13, 2011
TO: City of Danbury, Common Council
FROM: *David M. Day, P.E.*, Superintendent – May 2011
RE: Sanitary Sewer Collection System Maintenance

Complaints: 11

Number Received: 11

Number Completed: 11

Pipe Cleaned: 3,200 FT

Gallons of Water Used: 13,000

Pipe Inspected:

COMMENTS:

TO : City Council - City of Danbury

FROM : David Day, Superintendent of Public Utilities

DATE : June 20, 2011

RE : WATER DEPARTMENT REPORT: MAY 2011

I. WATER PRODUCTION :

A) Margerie Water Treatment Facility :	<u>93.8</u>	<u>MG.</u>
B) West Lake Water Treatment Facility :	<u>108.6</u>	<u>MG.</u>
C) Kenosia Well Field :	<u>0</u>	<u>MG.</u>
D) Osborne Street Well Field :	<u>0</u>	<u>MG.</u>
E) Other :	<u>0</u>	<u>MG.</u>

(MG. = Million Gallons)

II. RAINFALL :

A) Month :	<u>5.4</u>	<u>inches</u>
B) Past 12 Months (running total) :	<u>50.4</u>	<u>inches</u>
C) Current Year (Jan.- Current Mo.) :	<u>23.7</u>	<u>inches</u>

III. WATER STORAGE :

date: 5/2/2011

	<u>Current Reading</u>		<u>Historical Average</u>	
A) East Lake Reservoir :	<u>100.0</u>	%	<u>94.2</u>	%
B) Margerie Lake Reservoir :	<u>100.0</u>	%	<u>95.3</u>	%
C) West Lake Reservoir :	<u>100.0</u>	%	<u>96.9</u>	%
D) Total :	<u>100.0</u>	%	<u>95.9</u>	%

IV. WATER PUMPED :

A) Park Avenue Pump Station :	<u>0</u>	<u>MG.</u>
B) Padanaram(High School) Pump Station :	<u>5.08</u>	<u>MG.</u>

MAINTENANCE REPORT - BUILDING # 6
5/1/2011

5/2/2011	6DA	POLICE	FRONT END WATER PUMP
	61DA	POLICE	RADAI TOR
	BACKHOE	WATER	NO START
5/3/2011	BACKHOE	WATER	NO START
	246DA	POLICE	REAR DEFROSTER SERVICE
	61DA	POLICE	BRAKES
5/4/2011	10DA	POLICE	SERVICE
	141DA	PARKS	RUNS POOR
	61DA	POLICE	ANTIFREEZE LEAK
5/5/2011	141DA	PARKS	STARTER BALL JOINTS
	10DA	POLICE	SERVICE BRAKE LIGHTS
	61DA	POLICE	TRANNY LINES
5/6/2011	141DA	PARKS	BALL JOINTS
	61DA	POLICE	TRANNY LINES
	6DA	POLICE	ELECTRICAL
	86DA	WATER	NO START
5/9/2011	141DA	PARKS	BALL JOINTS
	DET	POLICE	SERVICE BRAKES TIRES A/C
5/10/2011	141DA	PARKS	STARTER TIRES
	MOWER	WATER	NOT CHARGING
	113DA	POLICE	TRANNY
5/11/2011	MOWER	WATER	NOT CHARGING
	113DA	POLICE	TRANNY A/C COOLER
5/12/2011	MOWER	WATER	TIRE
			FLAT
	160DA	WATER	R/C
	227DA	WATER	REAR END COVER
	113DA	POLICE	TRANNY A/C COOLER
	MOWER	WATER	RUNS POOR
5/13/2011	MOWER	WATER	NOT CHARGING
	113DA	POLICE	TRANNY A/C COOLER
			FLAT
	4DA	POLICE	R/C
5/16/2011	113DA	POLICE	TRANNY A/C COOLER
	MOWER	WATER	STALLING
	MOWER	WATER	PULLY
			FLAT
	TRAILER	WATER	R/C
5/17/2011	MOWER	WATER	SERVICE
	MOWER	WATER	MANIFOLD SERVICE
	MOWER	WATER	PULLY
	181DA	POLICE	BLEND DOOR MOTOR

5/18/2011	MOWER	WATER	FUEL TANK
	181DA	POLICE	BLEND DOOR MOTOR
	337DA	POLICE	BRAKES
5/19/2011	265DA	POLICE	A/C
	181DA	POLICE	BLEND DOOR MOTOR
	MOWER	WATER	BLADES PULLY
	MOWER	WATER	BLADES
	MOWER	WATER	BLADES SHUTE
5/20/2011	18DA	POLICE	TRANNY
	MOWER	WATER	BLADES
5/24/2011	18DA	POLICE	TRANNY
	WEEDWAKERS	WATER	NO START
5/25/2011	18DA	POLICE	TRANNY
	159DA	WATER	TUNE UP
5/26/2011	159DA	WATER	TUNE UP
	18DA	POLICE	TRANNY
	36DA	POLICE	LIGHTS

EQUIPMENT MAINTENANCE

Date	Vehicle	Repair Provided	Department
4/1/11	121 DA	Service	Unit
	162 DA	RC City Hall (locked can't get in)	Bld Insp.
	86	Service / Exhaust	Highway
	67	Install rear window	Highway
	121 DA	Check engine light	Unit
	86	Service / exhaust	Highway
4/4/11	4	Coolant check	Highway
	86	Service front end	Highway
	31	Brake chamber / service	Highway
	100	RC Mountainville (Hydr. Leak)	Highway
4/5/11	31	Service	Highway
	83	Sidebrooms	Highway
	100	Hydraulic leak	Highway
	12	Brake adj. air leak	Highway
	105	RC Senior Center(Fluid leak)	Highway
4/6/11	86	Front end RF wheel hub	Highway
	31	Service	Highway
	67	Throttle sticks	Highway
	12	Service	Highway
4/7/11	86	Service lights	Highway
	100	Side broom	Highway
		RC Prospect (noise in engine comp)	Highway
	83	comp)	Highway
	12	Service leak	Highway
	59	Cutting edge	Highway
4/8/11	83	Alternator	Highway
	32	Oil leak	Highway
	40	Side broom	Highway
	12	Air drier / hyd leak	Highway
	75 DA	R/S front window reg	Bld Insp.
	105	Water pump	Highway
	252 DA	Diagnose Engine Problem	Public Blds.
4/11/11	105	Water pump	Highway
	75 DA	Service window regulator	Bld Insp.
	40	Water system	Highway
4/12/11	105	Water pump	Highway
	15	Install water tank	Highway
	144 DA	Check antifreeze	Bld Insp.
	181	Adjust brakes	Highway

	7	Check tarps	Highway
4/13/11	50	Check fumes	Highway
	7	Tarp	Highway
	8	Tarp	Highway
4/13/11	24	Wiper blades	Highway
	40	Main broom	Highway
	54	Service	Highway
4/14/11	16	Tarp	Highway
	54	Service / Rear brakes / lights	Highway
	85	Tarp	Highway
	82	RF flat	Highway
	15	Shifter assembly	Highway
4/15/11	16	Tarp	Highway
	49 DA	Remove fuel cell	Highway
	42 DA	Chassis bolt	Highway
	35	No start	Highway
	26	Check cooling system	Highway
	100	Brooms	Highway
	21	No start	Highway
	83	Brooms	Highway
	100	Brooms	Highway
	35	Charging system	Highway
4/18/11	35	No charge	Highway
	14	Jump start	Highway
	19	Tarp	Highway
	25	Brakes sticking	Highway
4/19/11	25	Rear brakes hang up	Highway
	19	Tarp	Highway
	15	Shifter	Highway
	40	Side broom angle	Highway
	91	Service	Highway
4/20/11	19	Tarp	Highway
	91	Service	Highway
	40	Side brooms	Highway
	25	Rear brakes	Highway
4/21/11	91	Service	Highway
	19	Tarp	Highway
	37	Air leaks	Highway
	33	Brake lights	Highway
4/25/11	91	Service	Highway
	59	Service	Highway
	28	Service	Highway
	42 DA	Jump start	Forestry

	40	RC Mallory&Hoyt (Pivot pin)	Highway
	3	Tail gate latch froze	Highway
4/26/11	28	Service	Highway
	3	Passenger Door	Highway
	91	Service	Highway
	Van	RC Purcell (flat tire)	Equipment Maint.
	33	Air leak	Highway
	158 DA	Fuel tank filler hose	Public Blds
	25	Rear brakes	Highway
	28 DA	Service	Parks
4/27/11	33	RRO flat	Highway
	25	Rear brakes	Highway
	33	Air leak	Highway
	28DA	Service	Parks
	11	Dash panel	Highway
	30	Remove door	Highway
	92 DA	Service	Forestry
4/28/11	92 DA	Service / check engine light	Forestry
	100	Side broom	Highway
	178 DA	Service	Highway
	30	Remove door	Highway
	56 DA	Fuel tank strap	Highway
4/29/11	21	Service	Highway
	178 DA	Service	Highway
	109	Service	Highway
	21	Service	Highway
	109	Service	Highway
	178	Service	Highway