

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, 2014

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

RE: Monthly Report for June 2014

Dear Mayor Boughton and Members of the City Council:

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

Kennedy Park in the downtown area has a beautiful, picturesque new look. The Public Works Department spearheaded the project, which was completed in forty-five days. The new design lends itself to enhancements for the Farmers Market by providing electrical service, decorative fencing and attractive landscaping. The project was designed and administrated in-house with a significant savings to the taxpayers.

The Construction Services staff and I have been closely monitoring the school addition and renovation projects to ensure completion within the terms of the contracts. Rainy weather has been a factor, but the crews have been working diligently to keep the work on schedule. Construction issues have been resolved very quickly and efficiently so as to not interfere with the timetable.

Please take a few moments to review the Division reports for a full scope of the many activities and projects that the Public Works Department is engaged in.A

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

Construction Services Report submitted by Thomas Hughes III, Superintendent:

Danbury City Center Skate Park: The site work has been completed. We anticipate the contractor installing the skate park equipment on July 30th. This project was designed in-house by the City of

Danbury Engineering Division. The project administration is being performed in- house by the Construction Services Division.

Osborne Street at Fifth Street Traffic Signal Installation: ConnDot project 34-344, Construction Services has been approved by ConnDot to perform the contract administration and inspection of the project, eliminating the need to hire an outside consultant. The contractor, A.M. Rizzo, has completed the civil portion of the project. A.M. Rizzo has completed the project and we are awaiting the City of Danbury Traffic Engineer to accept the project. The semi-final inspection was held on Tuesday, 4/23/14. A small punch list was created and forwarded to A.M. Rizzo. The punch list work is ongoing and we will begin the closeout phase shortly.

School Additions: Shelter Rock, Stadley Rough, Park Avenue and Mill Ridge Intermediate: Construction Services is administrating the school addition projects. All four of the schools have signed contracts and Notices to Proceed documents issued.

Mill Ridge: Rizzo Corporation is moving forward with the finishes exterior and interior of the project. The site contractor has remobilized and is in the last phase of his work. The binder course of pavement has been completed. The project is on track for a first week of August completion. We anticipate receiving the Certificate of Occupancy during the second week of August.

Stadley Rough School: Phase II work has been completed Rizzo Corporation is completing the interior and exterior punch list work. Certificate of occupancy inspection took place the week of July 21st we expect the Certificate of Occupancy by July 31st.

Shelter Rock School: Phase II work is underway. Rizzo Corporation is completing the interior and exterior punch list work. The project is substantially complete we have received the Certificate of Occupancy.

Park Avenue School: Phase II work is near completion. The contractor has begun the Phase III work and is approximately 80% complete. The contractor is working seven days a week with some trades working two shifts. The remaining work appears to be on track for the August 15th contract completion and Certificate of Occupancy.

At this time both Rizzo Corporation and Worth Construction have stated they anticipate meeting the contractual completion for all four school projects for the upcoming school year.

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

The following assessment projects are the only projects pending on the list based on residents' petitions:

1. Butternut Lane, Bayberry Lane and Boxwood Lane Sanitary Sewer Extension: Working on preliminary design and cost estimate.
2. Hawley Road Extension Sanitary Sewer Extension: Working on preliminary design and cost estimate.

East Franklin Street Bridge/Sanitary Sewer Pump Station: Bridge work has been completed. We completed the in-house design to relocate the existing sewer in the brook with an above-ground pump

station. City contracted with one of our on-call contractors and we are waiting on utility companies to complete their work. Work is 95% complete and start up will begin next month.

Miscellaneous Schools (Park Avenue, Shelter Rock, Stadley Rough and Mill Ridge): Construction has started on all schools. We are working with various interior designers and school officials to finalize furniture and equipment to all schools mentioned above. The furniture and equipment packages have been approved by the State for bidding. Delivery and installation are anticipated to start and be completed during summer 2014.

Spring Street: In house survey was completed for Phase II & III (the remaining neighborhood enhancement work) which will include new sidewalks, drainage, and pavement improvements. The design for this project was completed and we have received CDBG approval. Project is out to bid and bids are due by July 1, 2014. Construction should be completed this summer.

Foster Street: In house design and survey to Foster Street from West Street to West Wooster Street was completed and will be out to bid after CDBG approves the project. Survey to Boughton Street and Bank Street was completed and design of these two streets was completed. The entire neighborhood project will be bid out this summer. We are securing releases from property owners adjacent to our proposed work.

Kennedy Park: Surveys have been completed and final design has been completed. Project was awarded. Construction has been completed. Ribbon cutting ceremony held. Park was open for the Farmer's Market.

Traffic Light – Osborne and Fifth Avenue: The construction of the traffic light has been completed and the traffic light is in operation. We are presently working on completing the punch list items.

Traffic Light – Lake Avenue/Shannon Ridge: All plans and specifications that have been completed are approved by the State. The project has been bid out, and bids received. We are currently reviewing the bids with the State.

Skate Park: Project was designed and surveyed in-house. City is working with Childscapes to order the equipment. Construction has started and work is anticipated to be completed this summer.

Still River Channel Maintenance: Property owners along the Still River Channel, who will be affected by and where access will be required, have been notified and permission to access the Still River Channel right of way through their property has been requested. We have secured most of the sign offs from property owners. Bids/quotes have been solicited, with this required maintenance has begun and will be completed for Phase I.

Clear Brook Bridge: Bridge had deteriorated and required the City to make temporary repairs. Bridge width has been reduced to traffic to accommodate temporary repairs. Temporary repairs have been completed on the North side of the bridge. Currently looking at repairs warranted for South side of bridge. Bridge will be fully evaluated over the next couple of months and permanent repairs will be engineered.

Backus Avenue Corridor Traffic Lights: Plans and specifications have been accepted by the State. Construction completed. We are presently working on completing punch list items.

Traffic Engineer and his Technicians: are reviewing various land-use development plans and are handling public complaints and routine repairs and maintenance of traffic control signal devices and pavement markings.

Staff Engineers: are reviewing various site plans, water and sewer applications, special exception applications, and subdivision applications for various land-use approvals of on-going development projects throughout the City. Field inspections of sanitary sewer, water mains and new roads are performed regularly on various developments. The Staff Engineers also review various drainage problems which may include site visits, analysis and design.

Survey Crew verifies various R.O.W., and prepares surveys and easements for in-house design of City Projects, and assists other divisions in locating utilities in the field.

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:

The month of June was very busy for the Highway Division. Catch basin repairs and drainage upgrades were performed in preparation for paving on Parkwood Terrace, Osborne Street, Balmforth Avenue and Hawley Terrace. Several roads were graded including Pleasant Drive, Old Stadley Rough Road, Margerie Manor, Capitola Road in addition to several ball fields at Rogers Park, King Street School, Hayestown Avenue School and Pembroke School. Catch basin repairs and upgrades were performed on Liberty Street, Judith Drive, Great Plain Road and Danbury High School due to collapses at these locations.

Two crews were out daily patching potholes and repairing aprons and curbs from this past winter's damage. Large apron repairs and replacements were made on Virginia Avenue and Long Ridge Road to eliminate flooding issues.

Sweepers have been out, weather permitting, to continue the spring sweeping program. New signs were installed and numerous repairs were made due to accidents and vandalism. The garbage truck continues to canvas the downtown area on a daily basis to pick-up litter and empty the garbage cans. The recycle truck continues to be a popular stop for many of the residents.

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

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

The Parks Maintenance Division continued with the mowing and park maintenance programs at the City parks and school. The ball fields at Rogers Park, Hatters Park and Danbury High School are maintained on a daily basis. The Highway Division was pleased to work with the crew on the ball fields in Rogers Park. The soccer fields at Kenosia Park are painted 3 times a week. Candlewood Park is cleaned and raked on a daily basis.

Weed whacking was performed on Old Ridgebury Road and Main Street area to eliminate weeds on the center islands. Flowerbeds in the downtown area and other locations were watered when needed and shrubs and bushes are trimmed regularly. The playgrounds and parks are mulched when needed to provide a safe playing area for the children. Playground equipment at schools and parks are inspected

and repaired as needed. The pavilion at Hatters Park is set up and cleaned a few times per week for when an event is scheduled.

On Fridays and Mondays the division is busy with preparations and clean-up at the City Center Green and Kennedy Park as well as Post Office Walk and Ives Street for the weekend activities in these areas. Trash removal at City parks and playgrounds is done four days per week.

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:

The Forestry Division was involved in several projects during the month of June. The crew worked with CL&P doing take-downs at various locations throughout the City including Southern Boulevard, Pleasant Street, East Lake Road, East King Street, Ann Drive, Deer Hill Avenue, Deer Hill Drive, Cross Street, Starrs Plain Road. The large sycamore tree on West Wooster Street was also removed. The tree was totally hollow and very dangerous. The work performed with CL&P will prove valuable during the next emergency situation.

Pruning and tree work was performed at the following locations: Middle River Road, Straton Place, Westville Avenue, Lake Avenue, Danbury High School, Elmwood Hall and the fire headquarters on New Street. Pruning and cut-backs were also performed at Morris Street School for a roof project.

Mulching was done at the Bardo Garage and Elmwood Hall. We also watered all of the spring planting throughout the City.

The crew responded to tree calls at the following locations: Tiffany Drive, Holly Street Ext. and Brushy Hill Road.

Should you have any question regarding this report, please contact me at 203-797-4609.

Public Buildings Report submitted by Rick Palanzo, Superintendent

Should you have any questions regarding this report, please do not hesitate to contact me at 203-797-4584. 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 2014. Also attached is the Public Utilities Vehicle Maintenance Report.

As of June 30, 2014 there are 43 hydrants out of service. I will be happy to review the information with you.

Sincerely,

Antonio Iadarola, P.E.

Antonio Iadarola, P.E.
Director of Public Works

APPENDIX "A"

PUBLIC BUILDINGS DIVISION WORK REQUEST REPORT FOR JUNE 2014

| | |
|------------------------------------|-----|
| Work Requests received this month | 169 |
| Work Requests Completed this month | 158 |

| Category | Total Labor Hours |
|----------|-------------------|
|----------|-------------------|

| | |
|--------|------|
| Alarms | 0.00 |
|--------|------|

| | |
|-----------|------|
| Carpentry | 2.00 |
|-----------|------|

| | |
|------------|--------|
| Electrical | 132.00 |
|------------|--------|

| | |
|------|-------|
| HVAC | 29.50 |
|------|-------|

| | |
|-----------|-----|
| Locksmith | 0.0 |
|-----------|-----|

| | |
|-------------|--------|
| Maintenance | 191.50 |
|-------------|--------|

| | |
|------------|------|
| Mechanical | 5.50 |
|------------|------|

| | |
|----------|--------|
| Plumbing | 172.50 |
|----------|--------|

| | |
|---------|-------|
| Roofing | 10.00 |
|---------|-------|

| | |
|--------------|-----|
| Snow Plowing | 0.0 |
|--------------|-----|

| | |
|------------------------------|--------|
| Labor Hours City Buildings | 213.50 |
| Labor Hours School Buildings | 329.50 |

MEMORANDUM

DATE: July 21, 2014
TO: City of Danbury, Common Council
FROM: *David M. Day, P.E.*, Superintendent
RE: Sanitary Sewer Collection System Maintenance– June 2014

Complaints: Bypasses 3 Slow Running 8

Number Received: 9

Number Completed: 9

Pipe Cleaned: 2,200 LFT

Gallons of Water Used: 10,000 Gal

Pipe Inspected: 2,200 LFT

COMMENTS:

TO : City Council - City of Danbury
 FROM : David Day, Superintendent of Public Utilities
 DATE : July 18, 2014

RE : WATER DEPARTMENT REPORT: JUNE 2014

I. WATER PRODUCTION :

| | | |
|---|--------------|-----|
| A) Margerie Water Treatment Facility : | <u>94.5</u> | MG. |
| B) West Lake Water Treatment Facility : | <u>101.4</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>3.2</u> | inches |
| B) Past 12 Months (running total) : | <u>38.6</u> | inches |
| C) Current Year (Jan.- Current Mo.) : | <u>21.0</u> | inches |

III. WATER STORAGE : date: 6/2/2014

| | <u>Current Reading</u> | | <u>Historical Average</u> | |
|------------------------------|------------------------|---|---------------------------|---|
| A) East Lake Reservoir : | <u>100.0</u> | % | <u>94.1</u> | % |
| B) Margerie Lake Reservoir : | <u>99.0</u> | % | <u>94.6</u> | % |
| C) West Lake Reservoir : | <u>99.0</u> | % | <u>95.8</u> | % |
| D) Total : | <u>99.0</u> | % | <u>95.1</u> | % |

IV. WATER PUMPED :

| | | |
|--|-------------|-----|
| A) Park Avenue Pump Station : | <u>0</u> | MG. |
| B) Padanaram(High School) Pump Station : | <u>6.89</u> | MG. |
| C) Shelter Rock Pump Station : | <u>2.48</u> | MG. |
| D) WestConn Pump Station : | <u>0.55</u> | MG. |

| | | |
|-------------------------------|---------------------------|-----|
| E) Margerie Pump Station : | 2.05 | MG. |
| F) Pleasant Acres: | 2.32 | MG. |
| G) Nabby Road: | 1.60 | MG. |
| H) Harvest Hill: | 2.50 | MG. |
| I) West Lake High Service : | 53.8 | MG. |
| J) Total Water Pumped (A-I) : | 72.2 | MG. |
| | (MG. = Million Gallons) | |

V. WATER TRANSFERRED :

| | | |
|---|---------------------------|-----|
| A) East Lake to Margerie Reservoir : | 0 | MG. |
| B) Padanaram to Margerie Reservoir : | 0 | MG. |
| C) Kohanza to West Lake Reservoir : | 0 | MG. |
| D) Kenosia Diversion to West Lake Reservoir : | 0 | MG. |
| E) Kenosia Wells to West Lake Reservoir : | 0 | MG. |
| F) Total Water Transferred (A-E): | 0.0 | MG. |
| | (MG. = Million Gallons) | |

VI. ALGAE CONTROL :

- A) Margerie Reservoir - 3450 pounds copper sulfate
- B)
- C)

VII. SURVEY OF WATER SOURCES :

- A) Annual inorganics testing of West Lake and Margerie treated and untreated water.
- B)
- C)

VIII. SUPERINTENDENTS NOTES :



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: Jun '14

Date: 7/10/2014

I. Wastewater Treatment:

| | | | |
|--------------------------------|---------------------|---------|-----------------------|
| A) Sewage Processed: | 8.2 MGD (Daily Avg) | 247.3 | Million Gallons Total |
| B) Septic Waste Processed: | | 940,750 | Gallons Total |
| C) Sludge Pumped To Digesters: | | 427,393 | Pounds Total |

II. Wastewater Quality

| | Influent | Effluent | % Removal | Effluent Limit |
|-----------------------------------|----------|----------|-----------|-----------------|
| A) BOD (mg/l) | 252 | 4 | 98 | 30 mg/l and 85% |
| B) Total Suspended Solids (mg/l): | 310 | 4 | 98.8 | 30 mg/l and 85% |
| C) Total Phosphorus (mg/l): | 5.7 | 0.50 | 92 | 1.0 mg/l |
| D) Ammonia (mg/l): | 31.4 | 0.32 | 99 | 1.7 mg/l |
| E) Total Nitrogen (lbs/Day): | 3,715 | 434 | 88 | 442 lbs/day |

Note: Phosphorus limits apply April - October.

Nitrogen limit for credit trading only.

III. Pump Station Operation:

| | | |
|--------------------|-------|-----------|
| A) Beaver Brook: | 712.4 | Hours Run |
| B) Southfield: | 41.4 | Hours Run |
| C) Mill Plain: | 179.9 | Hours Run |
| D) Backus: | 100.9 | Hours Run |
| E) Tarrywile | 70.0 | Hours Run |
| F) Turner Road: | 36.6 | Hours Run |
| G) Ford Avenue: | 22.3 | Hours Run |
| H) Indian Glen: | 84.6 | Hours Run |
| I) Delay Street: | 20.9 | Hours Run |
| J) Hayestown Road: | 58.0 | Hours Run |
| K) Kenosia Avenue: | 3.2 | Hours Run |
| L) Larson Drive: | 50.0 | Hours Run |
| M) Landfill: | 296.3 | Hours Run |
| N) Thrope Street | 10.9 | Hours Run |
| O) Poets Landing | 11.6 | Hours Run |
| P) Rogers Park | 30.7 | Hours Run |
| P) West Side | 57.9 | Hours Run |

Total Station Alarms:

9

MAINTENANCE REPORT - BUILDING # 6

GENERAL FUND

May-14

| | | | |
|-----------|--------|---------|-------------------------------------|
| 5/1/2014 | 263DA | HEALTH | FLAT R/C |
| | 202DA | HEALTH | SERVICE NOISE |
| | 332DA | POLICE | RUNS POOR |
| 5/2/2014 | 202DA | HEALTH | PULLYS & BELT |
| | 263DA | HEALTH | CHARGE A/C |
| | 333DA | POLICE | NO START |
| 5/5/2014 | 137DA | BLD | EXHAUST |
| | DET | POLICE | FLAT R/C |
| | 12DA | POLICE | OVERHEATING |
| | 8DA | POLICE | NO START |
| 5/6/2014 | 186DA | POLICE | COOLING FAN |
| | 332DA | POLICE | SPARKPLUGS COIL |
| | 337DA | POLICE | 2 FLATS R/C |
| | 262DA | POLICE | LIGHTS |
| 5/7/2014 | 332DA | POLICE | SPARKPLUGS COIL |
| | 33DA | POLICE | SERVICE |
| 5/8/2014 | 6DA | POLICE | ENGINE LIGHT TRACTION LIGHT |
| | DET | POLICE | FLAT R/C |
| 5/9/2014 | 353DA | POLICE | FLAT R/C |
| | DET | POLICE | FLAT R/C |
| | 6DA | POLICE | ENGINE LIGHT TRACTION LIGHT |
| 5/12/2014 | DET | POLICE | FLAT R/C |
| | 6DA | POLICE | ENGINE LIGHT TRACTION LIGHT |
| | 197DA | POOL | FLAT R/C |
| 5/13/2014 | 6DA | POLICE | FLAT R/C |
| | 177DA | POOL | SERVICE |
| | 12DA | POLICE | OVERHEATING |
| 5/14/2014 | 385DA | POLICE | BATTERY TIRE LIGHT |
| | DET | POLICE | FLAT R/C |
| 5/15/2014 | 17DA | POLICE | FLAT R/C |
| | 53DA | HEALTH | FLAT R/C |
| | DET | POLICE | FLAT R/C |
| | 6DA | POLICE | RADAR READER |
| | 192DA | AIRPORT | CONVERTER |
| 5/16/2014 | 192DA | AIRPORT | CONVERTER |
| 5/19/2014 | 53DA | POOL | FLAT R/C |
| | 192DA | AIRPORT | PINION SEAL A/C DRYER TIRES SERVICE |
| 5/20/2014 | 192DA | AIRPORT | A/C DRYER |
| | 385DA | POLICE | SERVICE TIRE |
| | 53DA | HEALTH | 2 TIRES |
| | 3DA | POLICE | ALTERNATOR |
| 5/21/2014 | 623XPL | SENIOR | SERVICE BRAKES TIRE |
| | 385DA | POLICE | TIRE LIGHT |

| | | | |
|-----------|--------|--------|---------------------|
| 5/22/2014 | 623XPL | SENIOR | SERVICE BRAKES TIRE |
| | 220DA | BLD | 2 TIRES |
| | 17DA | POLICE | TIRE LIGHT |
| 5/27/2014 | 6DA | POLICE | ELECTRICAL |
| | DET | POLICE | TIRES |
| | 228DA | POLICE | TIRES |
| | DET | POLICE | CHARGE BATTERY |
| 5/29/2014 | 16DA | ENG | TIRES |
| | DET | POLICE | ELECTRICAL |
| 5/30/2014 | 269DA | HEALTH | NOISE BRAKES |
| | 262DA | POLICE | A/C DRYER |

MAINTENANCE REPORT - BUILDING # 6
WATER FUND
May-14

| | | | |
|-----------|-------|-------|---------------------|
| 5/1/2014 | 280DA | WATER | RUNS POOR |
| 5/19/2014 | 152DA | WATER | FLAT R/C |
| 5/23/2014 | 152DA | WATER | 4TIRES |
| | 369DA | WATER | FLAT R/C |
| 5/28/2014 | 350DA | WATER | SERVICE TIRE REPAIR |
| | 369DA | WATER | TRANNY CABLE R/C |