

City Manager's Weekly Report

Friday, December 18, 2015

Department:

Administration - City Manager

Notable Notes:

Mayor and Council -

I would like to thank you for your support of the final budget related items at your meeting of December 14th. Your engagement during the process and my staff's work in relationship to initial development, information sharing and public hearings allowed for greater understanding of needs with an eye towards getting much needed work completed.

LED Project Update: The first 500 lights out of 2,000 came in. The plan is to start on the smaller interior roads until we get geared up with traffic control for the bigger roads. A color coded map is attached that I'm told accounts for the first 500. We have a total of 210 lights installed so far.

Please find attached detail of a noise waiver for Paper Mill Road that will begin December 28th.

I look forward to working with you and our departments in the new year on the many objectives set forth in the budget and completing efforts already underway.

All my best for a very happy and relaxing Holiday Season. While I will be out of the office over the next week, I will be local most of the period and available should you have any pressing issues.

Activity or Project:

Traffic Educational Campaign

Description:

The Police Department will begin efforts to develop an educational plan related to traffic issues within our community in the New Year with assistance from our new Communications Manager. The Chief's goal is to educate prior to any increased enforcement efforts taking place in areas of concern. More information will be shared as the department moves forward.

Status: Not Started

Expected Completion: 1/11/2016

Execution Status: On Track

Activity or Project:

Citywide - Digital Records Management

Description:

The IT Department will lead this game changing effort of our organization in the new year including the initial engagement with the software vendor, preparation for the records management work area and proper staffing. Strong leadership will be needed to handle the

complexity of moving away from being a paper driven and storage organization to a more flexible information sharing, data protection and categorizing one. While we have discussed the need to move in this direction for many years, I now know that we were unprepared to take this project on without the proper oversight of a skilled project manager that we now have in IT Director Josh Brechbuehl. Additionally, the skills of his division will assist all departments in making the necessary transition. The City Secretary's Office will continue to digitalize the contents of its file room (in response to concerns raised last year about the protection of our historical records/documents) as well as new documents that are to be official records. Ultimately the two will be incorporated into one citywide digital records management platform accessible to all with appropriate permissions/etc. This effort will also provide needed office space for personnel as our extensive filing systems are phased out and new floor space becomes available.

Status: Not Started

Expected Completion: 1/4/2016

Execution Status: On Track

Activity or Project:

2016 Street Program

Description:

We are poised to get our street contract out early this coming year, having devoted staff time to street inspections in a proactive and consistent manner.

Status: Started

Expected Completion: 3/31/2016

Execution Status: On Track

Department:

Alderman's Court

Notable Notes:

This past week we held three court sessions and one case review session.

I attended a meeting of the State of Delaware Traffic , Fines Committee in Dover concerning changes the State of Delaware is making that will affect the way we collect fine payments and suspend licenses.

Activity or Project:

Court Sessions

Description:

We processed 53 arraignments, 29 trials, 14 case reviews, 18 capias returns and videoed 3 prisoners

Status: Completed

Expected Completion: 12/16/2015

Execution Status: Completed

Activity or Project:

Description:

Status:

Expected Completion:

Execution Status:

Activity or Project:

Description:

Status:

Expected Completion:

Execution Status:

Department:

Electric Department

Notable Notes:

Using the smart meter system, engineering found a low voltage problem on A Street in Windy Hills that occurs in the summer. To fix the problem, an underground boring contractor was hired to install conduit and City crews are to install primary cables and a transformer to split up loads. Because of the copious rock, a less than desirable route for the conduit was used. The line crews had to dig up intermediate sections of the conduit in order to provide pulling areas, as getting a cable through all 500 feet of conduit proved impossible. There are two runs of conduit making a loop feed and all 1000' of cable will be installed shortly.

The line crews have finished the new primary service to the Main Towers and the meter technician installed the metering. The meter technician has also installed half of the 200+ meters for the apartments at the Newark Shopping Center while working with the local electrician to confirm the proper meter location and apartment combination; an important step with all new multi-occupancy buildings alleviating serious billing issues down the line.

The electricians have been working at the Municipal Building on the parking lot lights, circuits for the new offices on the second floor, and hooked up a new rack mounted server UPS to a transformer and breaker they previously installed for IT.

Engineering worked on a route to tie two parking lots on Main Street together using fiber optic cable on utility poles and is working with GE on a proposed 750kW solar system at the Bellevue Road plant.

Activity or Project:

SevOne at STAR Campus

Description:

Install 2 padmount transformers and metering for data center which tie into Bloom Boxes.

Status: In-Progress

Expected Completion: 12/31/2015

Execution Status: On Track

Activity or Project:**Description:**

Status:

Expected Completion:

Execution Status:

Activity or Project:**Description:**

Status:

Expected Completion:

Execution Status:

Department:

Finance Department

Notable Notes:

I would like to thank our Mayor and Council for their support of the 2016 Operating Budget, Capital Improvement Program (CIP) for the 2016-2020 planning period, and the underlying tax and rate measures required to support the City's growing operating expenses and infrastructure requirements. I attribute this year's functionally efficient and transparent process to the Finance team, namely Jim Smith, Debi Keeley,

Deb Kupper and Jill Hollander, while Kyle Glazier, Otto Sanchez and Roberto DeDeus provided strong support for the City's Budget Central space.

Payments and Utility Billing

The group handled 357 phone calls the week of 12/6/15 with an average call length of 3:49 and an average hold & queue time (average speed of answer) of 2:39. Our Welcome Center staff greeted 206 visitors, while service calls initiated by Payments and Utility Billing in response to calls and visitors totaled 319 last week. The group also processed 4,136 utility payments and CityView transactions, 1,106 of which were imported automatically.

Accounting

Accounting staff are working to prepare for the rigorous year-end process. The physical inventory count has been done, and we have set timetables for key dates, such as invoice and purchase order deadlines. More information will be shared as we meet with the City's independent auditors and work through audit fieldwork scheduling. Staff continues to work short-handed, as the part-time finance assistant position was recently posted and remains open.

Activity or Project:

Purchasing Card Upgrade

Description:

We are working with Fulton Bank to upgrade the City's existing purchasing cards, or "P-Cards." The upgrade will reduce workload and improve efficiency by automatically posting transactions to the City's financial accounting system and reduce costs through a rebate program. There is no cost to the program upgrade. All replacement cards were properly enrolled and the physical cards have been received. They will be deployed once we integrate the vendor's reporting system (Elan) with the City's financial accounting system (Munis). There is no update to the status of the project this week. The expected completion was pushed back to 01/31/16 to allow me the time I need to train and cross train users on the new system.

Status: Hold

Expected Completion: 1/31/2016

Execution Status: Behind Schedule

Activity or Project:

Description:

Status:

Expected Completion:

Execution Status:

Activity or Project:

Description:

Status:

Expected Completion:

Execution Status:

Department:

Information Technology Department

Notable Notes:**ParkingSoft**

During the recent implementation of new ParkingSoft parking equipment in Lot 1, a compatibility issue was identified that has expedited our planned investment in a small amount of fiber being run between the Parking Office and Lots 3 and 4. The fiber will improve the flexibility of our current parking validation system, allowing all downtown patrons to utilize validated parking vouchers at any of our lots and provide a faster, more reliable network connection. The costs of the fiber and its installation will be shared with ParkingSoft and get us closer to the goal of citywide fiber connections.

Other Items

- Tyler Technologies Munis (SAAS) was upgraded from 10.5 to 11.1 offering speed and functionality enhancements.
- Dell has been on-site reviewing our Storage Infrastructure helping us to confirm best practices are met as well as help us plan for our 2016 initiative for a secondary data center to provide off-site backup and server resiliency.
- A new Uninterruptible Power Supply (UPS) has been installed and activated in our primary data center at City Hall. This new UPS will more than double our power capacity and allow for faster, more high-powered servers, to be installed in 2016.
- Cleveland Avenue safety cameras were down for almost 3 weeks due to a network device failure (2nd failure in 2015 at same location). In order to avoid future issues, the network was redesigned to route via a different network, thereby eliminating the problem source.
- Our GIS Server infrastructure was upgraded to provide even faster service than before. A dedicated SQL Database Server was implemented.

Activity or Project:

Municipal Broadband Feasibility Study

Description:

With City Council's approval to move forward, this project has been initiated. Expected completion date is a guess at this point as the vendor has not yet set up the project plan.

Status:

Not Started

Expected Completion:

6/1/2016

Execution Status: On Track

Activity or Project:

Munis Work Order Management

Description:

User training was completed last week and the Parks and Recreation Department is currently using the system in a "Test" capacity to ensure that all scenarios were addressed. Go-Live is scheduled for January 1, 2016.

Status: Near Completion

Expected Completion: 12/31/2015

Execution Status: On Track

Activity or Project:

Description:

Status:

Expected Completion:

Execution Status:

Department:

Parks and Recreation Department

Notable Notes:

The recreation staff are distributing Winter/Spring activity promotional materials and will begin accepting registrations soon. They are also committing considerable time with wrap-up items and reports for December events.

The Before and After school programs at Downes and West Park Elementary Schools are very busy with holiday activities. Additionally, this Friday will conclude the Health Rocks program and we're gearing up to start the Cardio Kids program at both sites in January.

Our fall Dance program recently concluded with a dance program on December 13. More than 100 guests attended. The program included dancers in our children's Ballet, Jazz, Hip Hop, Little Feet and Combo classes. The events theme was "Dance on a Cold Winter's Night".

Department staff continue to attend training sessions for the new Work Order system. We have begun a trial period by creating maintenance work orders and providing them to the crew for completion and recordation.

We committed time reviewing CIP and Subdivision Plans for proposed projects.

Believe or not we're still cutting grass!! The crew also spent time with leaf removal at several locations. They also worked on or completed several general park maintenance tasks during the week.

A volunteer group planted additional Crocus Bulbs along the Reservoir Trail.

Activity or Project:

Main Street Trees

Description:

We completed the replacement of six trees along Main Street. The replacements were necessary because the former trees were damaged by vandals.

Status: Completed

Expected Completion: 12/16/2015

Execution Status: Completed

Activity or Project:**Description:**

Status:

Expected Completion:

Execution Status:

Activity or Project:**Description:**

Status:

Expected Completion:

Execution Status:

Department:

Planning and Development Department

Notable Notes:

Building Maintenance

- This week Facilities Maintenance performed the following:
 - Continued work on the new 2nd floor offices in the Municipal Building – drywall finishing, painting, installing new desktops, installing doors and frames and ongoing clean-up;
 - Installed new cash drawers in Alderman's Court;
 - Continued painting entrance bollards and fence posts;
 - Repaired cold side of faucet in Police Station, and discovered hot side was bad as well;
 - Reset Council Chamber after DNP meeting and delivered copy paper.

Code Enforcement

- Code Enforcement has four major projects being reviewed, permitted or under construction at 52 North Chapel Street, 60 North College Avenue, Park N Shop renovations and the new South Academy Street dormitory for the University of Delaware.
- Sports Clips and Capriotti's in the Newark Shopping Center are receiving Certificates of Completion this week.
- The new "clean lab" at the University of Delaware is nearing completion.
- Work continues on the façade at the Washington House Condominiums located at 113 East Main Street.

Economic Development

- On Thursday, Planning and Development Director Maureen Feeney Roser accompanied Mayor Sierer, Councilwoman Hadden and City Manager Carol Houck at the Delaware Today's Women in Business Luncheon.
- On Thursday evening, Maureen participated in the downtown holiday storefront decorating contest judging. The winners were: Grassroots, the Delaware Growler and Taverna. Attached are photos of the winning businesses receiving their awards from Santa.
- Also on Thursday evening Maureen attended the Downtown Newark Partnership Board meeting.
- On Tuesday Maureen participated in a meeting with City staff to discuss potential new events in downtown.

Parking

- Time was spent this week working on employee reviews.
- Free Holiday Parking dates of December 20th through December 27th were released.
- The Parking Maintenance team spent time this week clearing leaves from the parking lots.

Planning

- Considerable time was spent this week preparing for the January Planning Commission meeting. Tentatively scheduled for review are:
 - Comprehensive Development Plan V;
 - Rezoning at 249 East Main Street; and
 - A Comprehensive Development Plan amendment, rezoning, minor subdivision and site plan approval for the property located at 47 West Cleveland Avenue.
- This week the proposed amendment to the definition of no-impact accessory buildings/structures package was prepared and sent to the City Secretary's Office for scheduling of Council review.
- Some time was spent this week reviewing proposed changes to the noise ordinance.
- On Monday evening, Maureen and Planner Tom Fruehstorfer attended the City Council meeting. At the meeting, Council took the following planning and development related actions:
 - Approved a special use permit for a hot tub in the Special Flood Hazard Area (SFHA); and
 - Approved the Community Development/Revenue Sharing Advisory Committee's recommendations for 42nd year Community Development Block Grant (7/1/16 – 6/30/17) and 2016 Revenue Sharing (1/1/16 – 12/31/16) funds.
- Some time was spent this week on employee evaluations.
- On Wednesday, Development Manager Mike Fortner attended GIS training and the GIS Working Group meeting.
- On Thursday, December 17th, the Board of Adjustment will hear the case for an applicant who is requesting variances for 129 Lovett Street, including deviations from the area requirements for side yards and minimum lot area.
- Mike continues to work on developing a draft agreement for Newark Community Radio for using the water tank at Dallam Road to place the radio antenna.
- The following was also completed this week:
 - 15 Deed Transfer Affidavits
 - 22 Building Permit Reviews
 - 3 Certificates of Occupancy

Activity or Project:

Newark Resident Survey

Description:

The Newark Resident Survey has been delayed because of changes to regulations concerning bulk mailings with the U.S. Postal Service. The Planning and Development Department is also working with Afleet Graphics to assist with the distribution and mailings, as well as looking to local area sheltered workshops for assistance with the assembly of the resident survey mailings. Because of the delay, the Planning and Development Department has rescheduled the mailing of the survey to go out after the University of Delaware winter break in order to be received in more student households. In addition, the incoming Communications Manager will also have a chance to review and comment on the survey before it goes out. The mailed resident survey, which goes out to approximately 50% of Newark households, will also coincide with the release of an online resident survey available on the City's website.

Status:

In-Progress

Expected Completion: 2/29/2016

Execution Status: Behind Schedule

Activity or Project:

Board of Adjustment Meeting

Description:

The application to open a "piercing shop" in a BB or BC zoning, originally scheduled for the December 17th Board of Adjustment meeting, has been rescheduled to the January 21st meeting. The Planning and Development Department has determined that a "piercing shop" is not a listed, and therefore permitted, use in BB or BC zoning districts and does not meet the definition of Personal Service Establishment as defined under Section 32-4(a)(91). The Board of Adjustment will determine if a "piercing shop" can be considered a Personal Service Establishment.

Status: In-Progress

Expected Completion: 1/21/2016

Execution Status: On Track

Activity or Project:

Trader's Alley Major Subdivision, Parking Waiver and Special Use Permit

Description:

Considerable time was spent this week reviewing the latest submittal for the Trader's Alley project. As per the settlement agreement, a meeting will be held with the project engineer to discuss the Subdivision Advisory Committee (SAC) comments, followed by the formal SAC letter.

Status: In-Progress

Expected Completion: 1/15/2016

Execution Status: On Track

Department:

Police Department

Notable Notes:

The second annual "Shop with a Cop" event was held on Saturday, December 13th. K-Mart located in College Square donated \$2,000 to fund the program. Nineteen (19) local children were paired with a Newark Police Officer to shop for gifts in the K-Mart store.

On Thursday, December 17th, the Newark Police Department in cooperation with Aetna, Hose, Hook & Ladder Fire Company of Newark, the United States Marine Corps Reserve, and Santa Claus participated in the "Toys for Tots" program. Santa Claus and his public safety helpers will board a fire truck and deliver gifts to children in several Newark neighborhoods.

Our Special Operations Officers have been busy with robbery prevention patrols. The officers have been

monitoring locations that are frequently targeted for robbery during this time of year. The officers assigned to this unit have been working on a successful project the past few months to reduce noise complaints on West Main Street. The officers met with residents on the street to discuss noise complaints and increased foot patrol in the area.

Our patrol officers, along with other units of the department are wrapping up the fall crime suppression patrols. As usual, the officers did a great job in proactive patrols. As a result, the number of street robberies decreased this year. Unfortunately, we had a slight increase in commercial robberies. Our total number of robberies should be consistent with last year, with no increase.

Activity or Project:

N/A

Description:

N/A

Status: Completed

Expected Completion: 12/16/2015

Execution Status: Completed

Activity or Project:**Description:**

Status:

Expected Completion:

Execution Status:

Activity or Project:**Description:**

Status:

Expected Completion:

Execution Status:

Department:

Public Works and Water Resources Department

Notable Notes:

We are moving forward with replacing the reservoir booster pump variable frequency drive which failed. We have three primary pumps, one of which has speed control. Without this speed control the pumps have to be throttled via a partially closed valve which is very energy inefficient and difficult to control. This repair will also allow us to stay on the creek longer during dry periods as we will be able to operate closer to our minimum stream pass by flow threshold.

We are expecting to take delivery of two of the new refuse trucks before the end of the month, well ahead of schedule. Our head mechanic went to the factory this week to check in on progress and answer final detail questions. I have attached a few pictures of the trucks as they are this week. We are very pleased with the manufacturer at this point.

We are going to begin what we hope to be the final push on the remaining smart meter installs once we get past the holiday season, likely the first week or two in January. We will be contacting property owners one more time then preparing termination lists which we will distribute to Council prior to actually disconnecting any properties.

Activity or Project:

2015 ADA Curb Ramp Program

Description:

The contractor has completed all ramps included as part of the 2015 ADA Curb Ramp contract. The project was completed approximately \$14,000 under budget. This was the first contract where we used fiberglass red truncated domes as opposed to the concrete blocks that were used in the past. We will be keeping a close eye on their performance to see if we want to use them moving forward in all applications.

Status: Completed

Expected Completion: 12/15/2015

Execution Status: Completed

Activity or Project:

Jenney's Run Culvert #1 Removal

Description:

We held the pre-construction meeting and have processed all material submittal documents. We submitted for our DelDOT street permit so we can begin restraining all pipe joints under the roadway to allow for the required vertical deflection of the reservoir main under the stream. This work is to be completed at night, and we hope will be limited to the shoulder but we won't know for sure until we locate the existing joints after the pipeline is offline. I have attached the most recent construction schedule for reference.

Status: In-Progress

Expected Completion: 1/31/2015

Execution Status: On Track

Activity or Project:

2015 Street Program

Description:

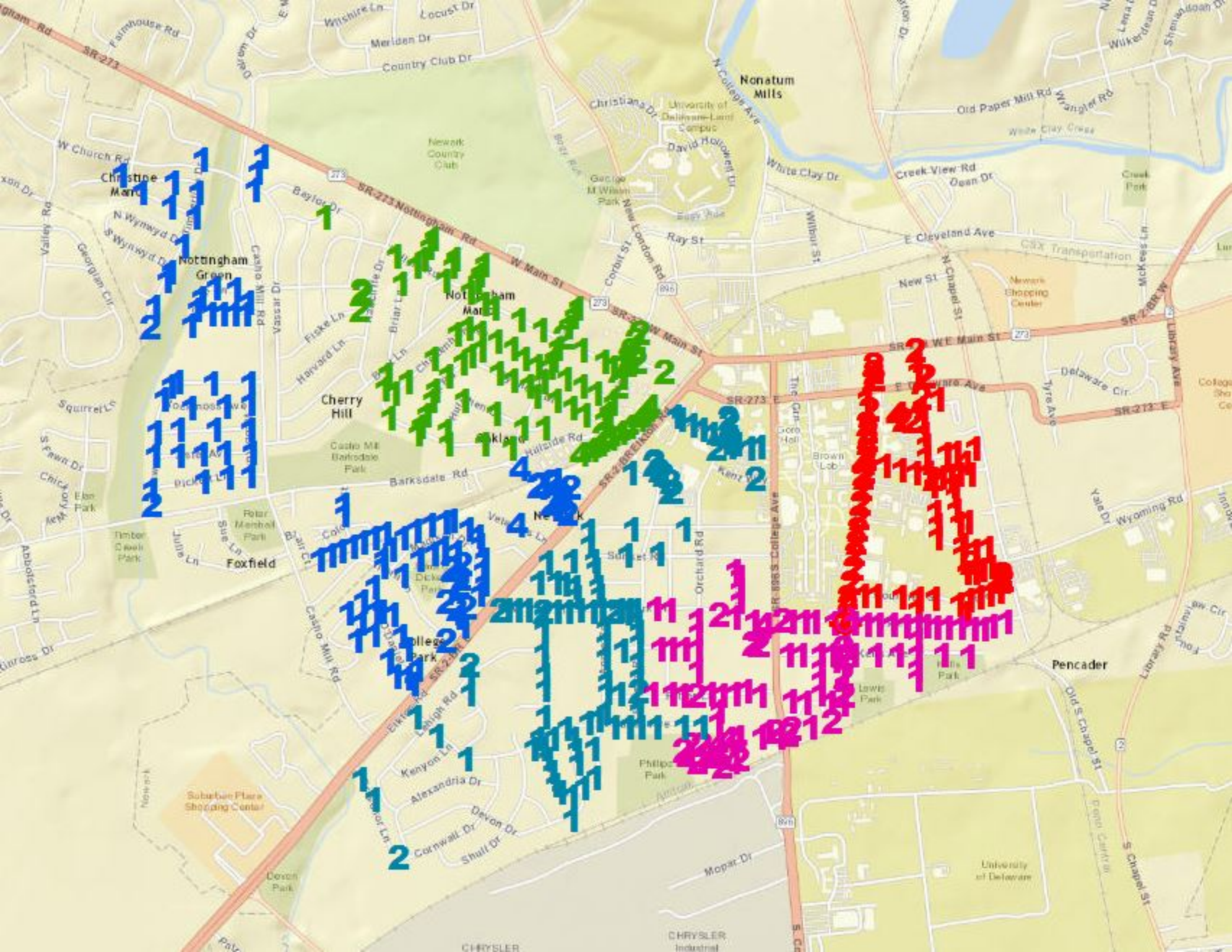
The street contractor completed paving on Wilson and Old Oak Roads and is now moving on to Creek Bend Court. There is an outside chance that they could finish the contract before the asphalt plants close for the winter if the warm weather continues but, otherwise, they may have to wrap up the remaining locations in the spring.

Status: In-Progress

Expected Completion: 4/29/2016

Execution Status: Behind Schedule

12/13/2015 to 12/19/2015





CITY MANAGER'S OFFICE
CITY OF NEWARK

December 18, 2015

Mr. John Czachorowski
Joseph T. Hardy & Son, Inc.
425 Old Airport Road
New Castle, DE 19720

HAND DELIVERED

Dear Mr. Czachorowski:

Re: Night Work – Paper Mill Road

As requested, I will authorize an extension of the 9 p.m. stop time normally enforced on weekdays and weekends for our City Noise Ordinance regulations. The location of this work is north of the Paper Mill Road bridge.

Specifically, you have approval subject to the following conditions:

1. The purpose of the extended work is to relocate a 24" water main pipe.
2. The dates for this work are Monday, December 28, 2015 through Monday, January 11, 2016, weather permitting. Work will begin at 7:00 p.m. and end at 5:00 a.m.
3. You are responsible to ensure notification of this work is made to the residents in the vicinity at least 48 hours in advance and to communicate your method to do so to the City of Newark Public Works & Water Resources Department at (302) 366-7040.
4. Traffic will be maintained in at least one lane.
5. If we receive any complaints related to noise on this project during the extended hours, the Police Department will still respond according to our City Code.

Mr. John Czachorowski
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December 18, 2015

6. If any other changes, such as an unexpected road closure, are necessary as a result of this work, you should immediately contact the Newark Police Department and the Aetna Hose, Hook & Ladder Company so as to alert the appropriate public safety agencies. State and city highway traffic controls will be used during any lane shut down.

Please note this represents a temporary waiver to the City Noise Ordinance. By copy of this letter, I am notifying the Police Department and Fire Board of your planned operations. Remember that any further variations from the above conditions must be approved by the City Manager.

Do not hesitate to contact me if you have any additional questions.

Sincerely,



Carol S. Houck
City Manager

CSH/mp

c: Mayor & City Council
Paul M. Tiernan, Chief of Police
Thomas Coleman, Director of Public Works & Water Resources
Phillip M. Bishop, Water & Sewer Inspector
AHHL Fire Company







NEWARK POLICE DEPARTMENT

WEEK 12/06/15-12/12/15

INVESTIGATIONS

CRIMINAL CHARGES

	2014 TO <u>DATE</u>	2015 TO <u>DATE</u>	THIS WEEK <u>2015</u>	2014 TO <u>DATE</u>	2015 TO <u>DATE</u>	THIS WEEK <u>2015</u>
<u>PART I OFFENSES</u>						
a)Murder/Manslaughter	1	0	0	0	0	0
b)Attempt	1	0	0	1	0	0
Kidnap	1	6	0	1	1	0
Rape	3	7	0	5	1	0
Unlaw. Sexual Contact	8	10	0	3	3	1
Robbery	33	32	2	41	29	0
- Commercial Robberies	5	14	1	2	11	0
- Robberies with Known Suspects	3	3	0	4	1	0
- Attempted Robberies	7	2	0	5	7	0
- Other Robberies	18	13	1	30	10	0
Assault/Aggravated	10	9	0	15	29	0
Burglary	76	56	1	79	19	0
- Commercial Burglaries	11	7	0	5	3	0
- Residential Burglaries	61	46	1	39	15	0
- Other Burglaries	4	3	0	35	1	0
Theft	578	548	16	293	199	1
Theft/Auto	41	36	1	12	7	0
Arson	5	4	0	0	1	0
All Other	80	80	1	204	47	0
TOTAL PART I	837	788	21	654	336	2
<u>PART II OFFENSES</u>						
Other Assaults	264	310	9	210	166	3
Rec. Stolen Property	2	3	0	37	19	0
Criminal Mischief	254	204	4	84	113	4
Weapons	20	11	0	68	61	2
Other Sex Offenses	0	1	0	0	2	0
Alcohol	356	261	0	1053	457	0
Drugs	117	106	3	313	237	4
Noise/Disorderly Premise	672	527	14	321	222	7
Disorderly Conduct	174	162	0	201	105	4
Trespass	159	153	1	99	66	0
All Other	457	464	3	453	295	6
TOTAL PART II	2475	2202	34	2839	1743	30
<u>MISCELLANEOUS:</u>						
Alarm	989	878	11	0	0	0
Animal Control	523	503	7	3	4	0
Recovered Property	262	273	9	0	0	0
Service	24171	30605	667	0	0	0
Suspicious Per/Veh	535	529	14	0	0	0
TOTAL MISC.	26480	32788	708	3	4	0

	THIS WEEK <u>2014</u>	2014 TO <u>DATE</u>	THIS WEEK <u>2015</u>	2015 TO <u>DATE</u>
TOTAL CALLS	698	36,487	874	42,329



Newark Police Department
Weekly Traffic Report
12/06/15-12/12/15



TRAFFIC SUMMONSES	2014 YTD	2015 YTD	THIS WEEK 2014	THIS WEEK 2015
Moving/Non-Moving	9,143	8,604	165	189
DUI	185	193	6	1
TOTAL	9,328	8,797	171	190

TRAFFIC ACCIDENTS				
Fatal	2	2	0	0
Personal Injury	207	217	3	5
Property Damage (Reportable)	373	593	4	9
Property Damage (Non-Reportable)	509	283	11	1
Hit and Run	233	254	2	4
TOTAL	1,324	1,349	20	19







**Jennys Run
Progress schedule**

	J	K	L	M	N	O
1		Item	start	finish	December	January
2		Precon	11-Dec	11-Dec		
3		Notice for shutdown	11-Dec	11-Dec		
4		Mobe	17-Dec	18-Dec		
5		E and S	21-Dec	22-Dec		
6		Layout	17-Dec	17-Dec		
7		Clear and Grubb	23-Dec	23-Dec		
8		slope design	10-Dec	23-Dec		
9		shut down	28-Dec	28-Dec		
10		drain line	29-Dec	29-Dec		
11		remove ARV	30-Dec	30-Dec		
12		sawcut road	31-Dec	31-Dec		
13		Excavte and restrain N	4-Jan	4-Jan		
14		butterfly valve N	5-Dec	5-Dec		
15		ARV Vault	6-Jan	6-Jan		
16		45-45	7-Jan	7-Jan		
17		Excavate Channel	8-Jan	9-Jan		
18		temp bypass pipe	9-Jan	9-Jan		
19		Restore roadway N	6-Jan	6-Jan		
20		dip/encasement	12-Jan	12-Jan		
21		45-45	13-Jan	13-Jan		
22		valve	14-Jan	14-Jan		
23		tie in	15-Jan	15-Jan		
24		fill line	16-Jan	16-Jan		
25		test valve-valve	17-Jan	17-Jan		
26		stabilize bank	19-Jan	23-Jan		
27		turn water on	23-Jan	23-Jan		
28		stabilize field	26-Jan	30-Jan		
29		remove SCE	30-Jan	30-Jan		
30		Substantial completion	30-Jan	30-Jan		
31		final completion	spring 2016			