

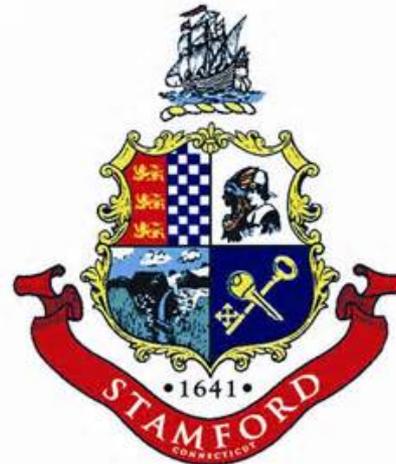
City of Stamford

Transportation, Traffic & Parking

FY 2019-20

Fiscal Committee

Budget Presentation





Introduction

Mission:

The City of Stamford's Transportation, Traffic and Parking Department combines elements of traffic safety and engineering, transportation planning, parking management, and community engagement to improve the lives of residents and visitors.

Our mission is to enhance and maintain the city's transportation assets and infrastructure with a particular emphasis on safety, mobility, and sustainable practices.

We will consistently strive to improve our core functions related to traffic signals, signs, pavement markings, and on- and off-street parking management into an integrated environment which embraces our values and practices.

Programs

- ❑ **2210 Transportation Planning & Engineering**
- ❑ **2112 Traffic Maintenance**
- ❑ **2538 Special Events**
- ❑ **2139 Parking**



2210 – Traffic Engineering

| Programs | Services Provided |
|----------------------------|--|
| 2210 – Traffic Engineering | <p>Securing and Administering over \$ 26M in capital transportation projects.</p> <ul style="list-style-type: none">▪ <u>Fiber Optic Trunk Cable Replacement Project (LOTICIP)</u>. On track to complete Summer 2019.▪ <u>City-wide Signal Optimization (LOTICIP)</u>. On track to complete Summer 2019.▪ <u>Atlantic Street at Henry Street Intersection Improvements (LOTICIP & PPP)</u>. On track to complete July 2019.▪ <u>West Ave / West Main St. Intersection Improvements (LOTICIP)</u> Construction began in November 2018.▪ <u>Greenwich/Pulaski round-a-bout (LOTICIP)</u>, 100% Design Completed, 74-76 Pulaski Building Demolition Complete.▪ <u>Oaklawn Avenue between Halpin Avenue and Stanwick Place (STP)</u> – On track to be completed in Spring 2019.▪ <u>Summer Street between Hoyt St. and Main St. pedestrian improvements (LRARP)</u>, 60 % Design Submission Complete.▪ <u>Long Ridge Road Sidewalk Design</u>, 30% Conceptual Design Underway.▪ <u>Boxer Square intersection redesign (CCGP)</u>, 30% Conceptual Design Underway. |



2210 – Traffic Engineering (cont'd)

Programs

2210 – Traffic Engineering (cont'd)



Services Provided

Securing and Administering projects (cont'd)

- Springdale Neighborhood Transit Oriented Development Improvement (Responsible Growth TOD).
- Traffic Signal Modernization at Six Intersections - Project G (CMAQ) Out to bid for construction inspection.
- Greenwich/Selleck/Southfield Intersection Improvement (PPP), Completed Summer 2018.

Citywide Maintenance and Protection of Traffic

- Traffic Engineering is responsible for review of provisions and plans related to maintenance and protection of traffic for all road way users.

Development Plan Review and Department Recommendations

- Thorough plan review for every development and site plan application.
- Secured nearly **\$4 Million** dollars in developer contributions for roadway and transportation improvements.



2210 – Traffic Engineering (cont'd)

| Programs | Services Provided |
|-------------------------------------|--|
| 2210 – Traffic Engineering (cont'd) | <p>Fix It Stamford / GovQA</p> <ul style="list-style-type: none">▪ Transportation, Traffic & Parking received over 2000 online Citizen Service Inquiries/issues.▪ Traffic Engineering responded to 121 Traffic Calming requests through GovQA FY 17/18. As of end of February 2019 responded to 107 Traffic Investigations.▪ Additionally, the department initiated the following projects.<ul style="list-style-type: none">▪ Installation of Speed Hump on Turner Road.▪ New Pavement Marking Plan for Hope Street.▪ Sidewalk Extension on Hope Street.▪ Sidewalk and roadway improvements on Hamilton Avenue.▪ New Pavement Marking Plans for West Broad Street.▪ New Pavement Marking Plans for Stillwater Avenue.▪ Intersection improvements to Long Ridge Road @ Old Long Ridge Rd.▪ Implementation of Residential Parking Permit Programs on Stone Street and Hubbard Heights.▪ New Pavement Markings on Route 1 and Increase Parking, Increase Pedestrian Crossing and Improved Lane Assignments.▪ Design of Halpin Avenue Sidewalk.▪ Design of Traffic Circle for Hartswood Road at Meadowbrook.▪ Design of Bulb-out/ Curb Extension for Lockwood Avenue at Orange St.▪ Design Main St cul-de-sac. |



2210 – Transportation Planning

| Programs | Grant Solicitation and Funding | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|---|----------------|---------|------|--|-------------------|---------------------------------|-------|--|--------------|---|-------|--|------|--|-----------|-------------------------------|---------|--|--------|---|
| 2210 – Transportation Planning | <p>LOTICIP Program</p> <ul style="list-style-type: none"> ▪ \$2,500,000 to Install 360 Degree Video Detection at Critical Collector and Arterial Roads through-out the City. ▪ \$2,500,000 Intersection Improvement Project at Atlantic Street and Main Street. ▪ \$3,600,000 Intersection Improvement Project at West Main Street and Richmond Hill Avenue. <p>Responsible Growth/TOD Grant and Community Connectivity Grant</p> <ul style="list-style-type: none"> ▪ \$2,000,000 for Transportation Improvements around the Springdale Train Station. ▪ \$500,000 to Redesign Boxer Square Intersection. <p>Additional Funding Sources for planning, design and construction funding</p> <ul style="list-style-type: none"> ▪ \$200,000 BAR Planning Grant for Greenwich Avenue and Davenport Street (Future One-Way Circulator). ▪ \$100,000 Grant For Pedestrian Signage. <table border="0"> <thead> <tr> <th data-bbox="388 968 639 1001">Funding Source</th> <th data-bbox="967 968 1097 1001">Request</th> </tr> </thead> <tbody> <tr> <td data-bbox="388 1005 479 1038">DEEP</td> <td data-bbox="967 1005 1553 1038">\$200,000 First-mile Merritt Parkway Trail</td> </tr> <tr> <td data-bbox="388 1042 683 1075">Community Connect</td> <td data-bbox="967 1042 1425 1075">\$2,000,000 Citywide Wayfinding</td> </tr> <tr> <td data-bbox="388 1079 498 1112">LRARP</td> <td data-bbox="967 1079 1843 1112">\$1,000,000 Broad Street between Atlantic St and Greyrock St</td> </tr> <tr> <td data-bbox="388 1116 581 1149">Section 5310</td> <td data-bbox="967 1116 1541 1149">\$225,000 Summer Street senior mobility</td> </tr> <tr> <td data-bbox="388 1153 504 1186">CTDOT</td> <td data-bbox="967 1153 1572 1186">\$500,000 Washington Blvd Corridor Study</td> </tr> <tr> <td data-bbox="388 1190 490 1223">CMAQ</td> <td data-bbox="967 1190 1702 1223">\$3,000,000 Traffic Signal Modernization – Project H</td> </tr> <tr> <td data-bbox="388 1228 533 1260">t4america</td> <td data-bbox="967 1228 1406 1260">\$50,000 Creative Placemaking</td> </tr> <tr> <td data-bbox="388 1265 533 1298">CT/DECD</td> <td data-bbox="967 1265 1580 1298">\$200,000 Waterside (BAR) Planning Grant</td> </tr> <tr> <td data-bbox="388 1302 517 1335">CT/OPM</td> <td data-bbox="967 1302 1541 1335">\$10,000 Keep Kids Safe (Street Smarts)</td> </tr> </tbody> </table> | Funding Source | Request | DEEP | \$200,000 First-mile Merritt Parkway Trail | Community Connect | \$2,000,000 Citywide Wayfinding | LRARP | \$1,000,000 Broad Street between Atlantic St and Greyrock St | Section 5310 | \$225,000 Summer Street senior mobility | CTDOT | \$500,000 Washington Blvd Corridor Study | CMAQ | \$3,000,000 Traffic Signal Modernization – Project H | t4america | \$50,000 Creative Placemaking | CT/DECD | \$200,000 Waterside (BAR) Planning Grant | CT/OPM | \$10,000 Keep Kids Safe (Street Smarts) |
| Funding Source | Request | | | | | | | | | | | | | | | | | | | | |
| DEEP | \$200,000 First-mile Merritt Parkway Trail | | | | | | | | | | | | | | | | | | | | |
| Community Connect | \$2,000,000 Citywide Wayfinding | | | | | | | | | | | | | | | | | | | | |
| LRARP | \$1,000,000 Broad Street between Atlantic St and Greyrock St | | | | | | | | | | | | | | | | | | | | |
| Section 5310 | \$225,000 Summer Street senior mobility | | | | | | | | | | | | | | | | | | | | |
| CTDOT | \$500,000 Washington Blvd Corridor Study | | | | | | | | | | | | | | | | | | | | |
| CMAQ | \$3,000,000 Traffic Signal Modernization – Project H | | | | | | | | | | | | | | | | | | | | |
| t4america | \$50,000 Creative Placemaking | | | | | | | | | | | | | | | | | | | | |
| CT/DECD | \$200,000 Waterside (BAR) Planning Grant | | | | | | | | | | | | | | | | | | | | |
| CT/OPM | \$10,000 Keep Kids Safe (Street Smarts) | | | | | | | | | | | | | | | | | | | | |



2210 – Transportation Planning (cont'd)

Programs

Safety and Mobility – Community Engagement

2210 – Transportation Planning (cont'd)

- Finalized City-wide Bicycle & Pedestrian Plan.
- Coordinated Stamford Street Smart Initiative.
 - Continued to Enhance Pedestrian Infrastructure at Signalized Intersections
 - Major Presence at Community Events to Educate Public on Street Safety (2nd annual Read Across America Day, Bike to Work Day, Walk to Work Day, etc.)..
 - Held Community Meetings Throughout the District with Various Community Groups and Stakeholders.
- Began Implementation of Recommendation of Stamford Bus & Shuttle Study.
 - Closed shuttle entrance on Washington Blvd. at South State Street.
 - Redesign North State Street and Guernsey Avenue to improve shuttle operations and pedestrian mobility.
- Safe Routes to Schools
 - Conducted evaluations for enhancing sidewalks and safety-related improvements to provide safe access to schools. Ex. Hope Street @ Toms Road.





2210 - Traffic Signal

| Programs | Services Provided |
|-----------------------|---|
| 2210 – Traffic Signal | <p>The Traffic Signal Division is a three person team that plays an active role in keeping people moving through the City. Whether it's ensuring traffic management procedures and best practices are followed, or maintaining the system in a state of good repair, or providing 24/7/365 on-call support, the department plays a vital role in the City.</p> <p>For example, some highlights from last year include:</p> <ul style="list-style-type: none">• Performed routine maintenance at 207 signalized intersections.• Responded to 1,112 service calls during business hours and 213 after business hours.• Repaired Signal equipment damaged by motor vehicle crashes at 36 locations.• LED Lamp Replacement at 190 locations.• Conflict monitor reset at 141 locations.• Conflict monitor Replacement at 9 locations.• Scheduled New Controller Replacements at 5 intersections.• Installed illuminated NO TURN ON RED Signs at 4 locations.• RRFB Crosswalks installed at 4 locations.• Installed wireless pod detection systems at 10 intersections.• Gridsmart Video detection system installed at 5 intersections. |





2112 – Traffic Maintenance

Programs

Services Provided

2112 – Traffic Maintenance

The Traffic Maintenance Division, or what is predominantly referred to as Signs and Lines is responsible for street signs, line painting, emergency services, and helping to ensure safe travel promptly responding to road emergencies and ensuring our lots and city right of way is clear and passable in emergencies. Some highlights from last year include:

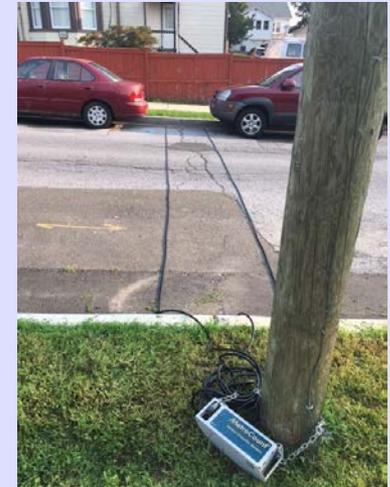
- Responded to 504 service requests.
- Fabricated 943 Traffic Related Signs.
- Installed & Repaired 314 Traffic Related Signs.
- Fabricated 2,154 Decals/Permits (Residential Parking Permits, etc.).
- Posted 2,538 emergency “No Parking Signs.”
- Trimmed Brush and Foliage at 86 locations to improve sightlines.
- Routine Maintenance Refreshed 70.4 Miles of Traffic Paint.
- Restriped 40 Miles of Roadway with Thermoplastic Paint.





2112 – Traffic Maintenance (cont'd)

| Programs | Services Provided |
|-------------------------------------|---|
| 2112 – Traffic Maintenance (cont'd) | <ul style="list-style-type: none">• Maintained Seven (7) City Lots.• Participated in 35 Special Events.• Installed 190 Light Pole Banners Downtown and located 38 Pieces of Art in Public Places in coordination with DSSD.• Responded to 24 Emergency Call-outs.• Responded to 19 Snow Events/Emergencies.• Processed 17 Handicap Applications for On-Street Parking.• Issued numerous Citations for Ordinance Violations.• Re-Signed the Bedford Street, Bell Street, Summer Street and West Park Place Garages. (As part of the pay station modernization). |



2538 – Special Events

Programs

Services Provided

2538 – Special Events

- Managed 35 Special Events including:
The Department participates heavily with all special events within the city. This includes participation in all planning meetings, posting ENoP signs ahead of the event, erection and removal of barricades the day of the event, etc.
 - Set up Traffic Control and Safety Devices
 - Post Emergency Order Parking Restrictions
 - Installed Pole Banners





2139 – Parking and Parking Enforcement

Programs

Services Provided

2139 – Parking and Parking Enforcement

Provide convenient and safe metered parking in 600+ on-street spaces and 3,000 + off-street spaces.

- Increased Parking Operations revenue by approx. 2%.
- Repaired 2500 parking meters and 84 Pay Stations.
- Installed 475 new credit card accepting single-space parking meters.
- Installed 26 new pay-by-plate parking pay stations.
- \$750,000 Bell Street Garage Electrical Renovation is underway.
- Daily retrieval and reconciliation of cash from parking meter and paystations.
- Issued over 600 citations for 120 hour Violations.
- Implemented Booting of Citation Scofflaws. (1st 30 days resulted in 125 boots and \$68,155 collected).



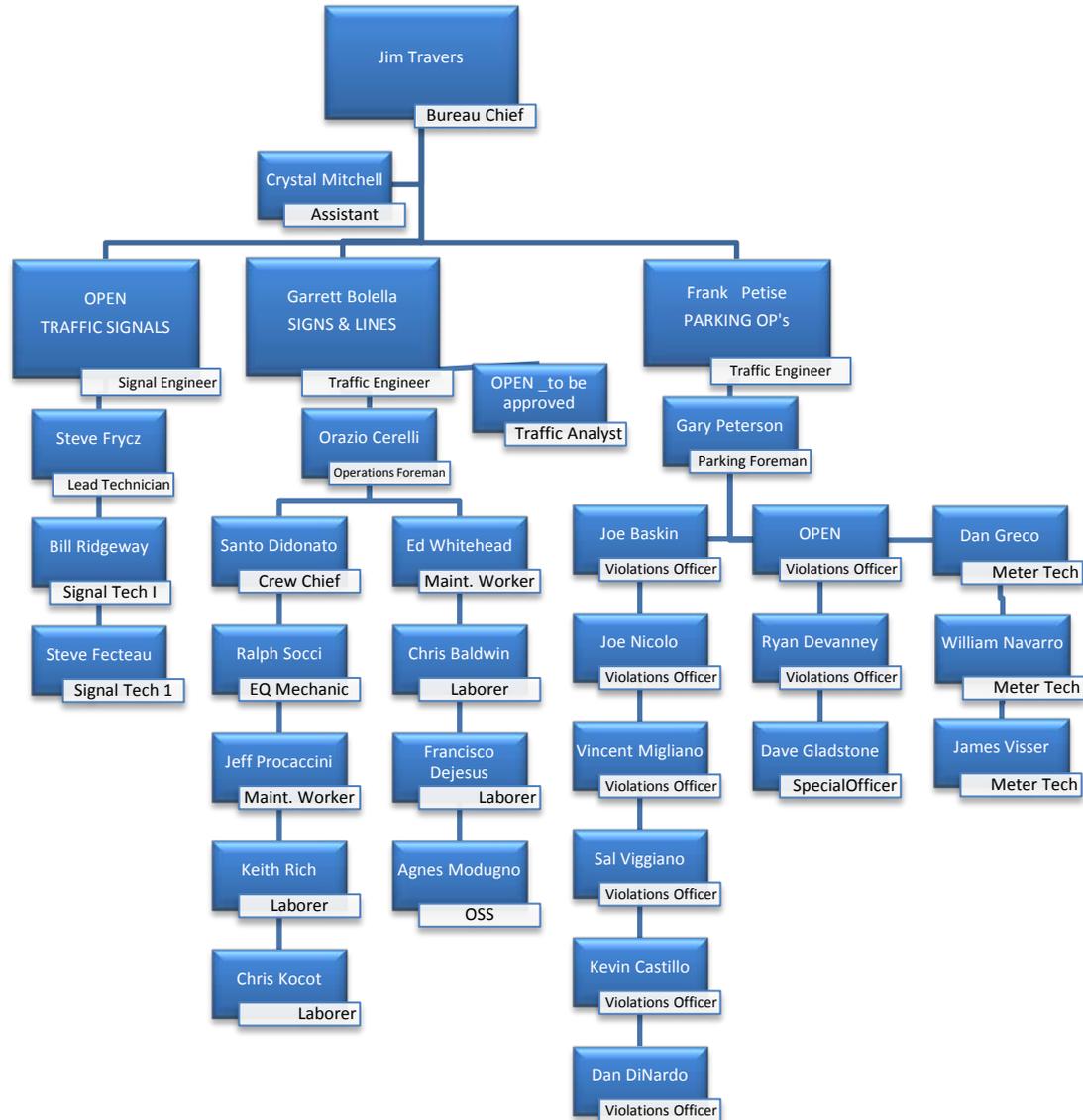


2139 – Parking and Parking Enforcement

| Programs | Services Provided | | | |
|--|----------------------|----------------|----------------|----------|
| 2139 – Parking and Parking Enforcement | | FY 2017 | FY 2018 | % Change |
| | Parking Ticket Fines | \$2,914,066.24 | \$2,864,967.20 | -2% |
| | Garage Revenue | \$1,854,977.12 | \$2,024,872.00 | 9% |
| | Parking Revenue | \$1,845,876.15 | \$1,839,841.20 | 0% |
| | Total | \$6,614,919.51 | \$6,728,841.20 | 2% |



Department Management





Department Management (cont'd)

Key Program/Department Challenges (2017-2018)

- Execution of multiple roadway projects.
- Hiring of two Traffic Engineers.
- Implementing new parking technology.
- Modernizing technology, infrastructure, and best practices to improve project flow, traffic safety and citizen engagement.
- Implementing conditions assessment recommendations on parking structures.

Key Program/Department Accomplishments (2017-2018)

- Awarded \$3M in Federal Funding for Traffic Signal Modernization Phase G (6 intersections).
- Awarded \$2M + for West Ave and West Main Street improvements.
- Awarded \$2.7M for Greenwich and Pulaski round-a-bout.
- Projects in construction: Atlantic Street @ Henry Street, and Oaklawn Avenue
- Project in coordination: Courtland Ave, and Atlantic Street Bridge.
- Began Citywide Fiber Upgrade Installation.
- Began Signal Optimization.
- Began Parking Structure Improvements.
- Piloted new SMART meter technology.
- Assisted with the snow removal of city streets by citing 845 vehicles and removing 463 of those vehicles to enable plowing.
- The Parking division increased coverage in Parks/Beaches for the Summer months, and year-round shift coverage general enforcement.



Department Management (cont'd)

Budget Highlights and Changes

☐ 2112 Traffic Maintenance (page 70)

| | | | | |
|-----------|----------------------------------|-------------|--------|---|
| ▪ \$1,500 | Traffic Main. Security facility. | (2112-3621) | 100.0% | Security cameras for offsite maintenance |
| ▪ -\$500 | Equip. Maintenance | (2112-6605) | -20.0% | Repair graphic/cutting sign equipment. |
| ▪ \$2,000 | Conference & Training | (2112-3202) | 100.0% | Required Safety Training. |
| ▪ \$1000 | Diesel Fuel | (2112-5101) | 25.0% | Improvements in vehicle maintenance. |
| ▪ \$5,000 | Street & Traffic Signs | (2112-6504) | 16.7% | Replacement & maintenance of traffic signs. |
| ▪ \$2,500 | Non Cap Comp Equip | (2112-6710) | 100.0% | Purchase of tools to install sign posts. |

2112 – Changes are primarily fixed costs or contractual obligations, offset by proper allocation of spending and historical expenditures.

☐ 2210 Trans/ Plan & Eng. (page 72)

| | | | | |
|------------|-----------------------------------|-------------|--------|--|
| ▪ \$9,600 | Seasonal | (2210-1203) | 100.0% | Seasonal associate. |
| ▪ \$20,000 | Equipment Maint. | (2210-6605) | 25.0% | Repair/ Replace traffic signal equipment. |
| ▪ \$33,000 | Software Maintenance maintenance. | (2210-6610) | 275.0% | Traffic signal system software upgrade & |
| ▪ \$3,000 | Conference & Training | (2210-3202) | 60.0% | Certified Engineers required training/staff. |
| ▪ \$1,000 | Copying & Printing | (2210-5500) | 200.0% | Bulk copying and printing services. |
| ▪ -\$1,000 | Office Supplies & Exp. | (2210-5100) | -16.7% | Purchase Office Supplies |
| ▪ \$1500 | Dues & Fees | (2210-6902) | 75.0% | Professional license & membership |

2110 –Conferences and training are requirements to maintain PE and PTOE licensing and staff development. Other changes are fixed costs or contractual obligations that that are offset by proper allocation of funding and historical expenditures.

☐ 2139 Parking

| | | | | |
|----------|--------------------|-------------|-------|--|
| ▪ \$2500 | Clothing Allowance | (2139-5101) | 29.8% | Contractual Obligations and Full Staff |
|----------|--------------------|-------------|-------|--|

This increase is to meet our contractual obligations for uniform costs for Violation Enforcement Officers and Special Officers.



Department Management (cont'd)

Budget Highlights

Proposed Capital Budget

- ❑ **CP8702 Summer Street Corridor Accident Reduction Program**
 - **\$90,000** Reduce crashes on a high density crash corridor.

- ❑ **CP1281 Roadway Design and Reconstruction**
 - **\$3,300,000** Implement measures to improve safety and quality of life in areas of high pedestrian usage

Budget Scenarios

In the event of a significant budget reduction, this would result in a failure to meet our contractual obligations and since we are largely a safety department, have a negative impact on residents and visitors.



This is what is coming

- ***Major Changes Planned***
 - Complete City-wide Traffic Signal Optimization.
 - Complete City-wide Fiber Optics Upgrade.
 - Investigate Digital Permitting for all Monthly Parking.
 - Begin Greenwich/Pulaski round-a-bout and Greenwich/Davenport one-way Circulator.

- ***Transportation Improvement Projects (State/Federal Funded)***
 - Waterside
 - West Ave @ West Main
 - Courtland Avenue
 - Traffic Signal Modernization
 - Summer Street
 - Oaklawn Avenue
 - Atlantic Street Bridge
 - Rt 1 over I-95
 - Rt 1 over Noroton River

- ***Key Program Challenges***
 - Execution of multiple high profile traffic improvements.
 - History of deferred maintenance.
 - Prioritization and management of improvement projects.
 - Capital investment.



This is what is coming (cont'd)

■ ***Signal Division***

To Do:

- Pilot ATMS to support Autonomous Vehicles.
- CMAQ Phase G – installation of 6 traffic signals in the Central Business District.
- Complete city-wide installation of Fiber Optic cabling by July 2019.
- Complete city-wide Signal Optimization (timing) by August 2019.

■ ***Signs and Lines Division***

To Do:

- Install Pedestrian Crosswalk signage at 68 uncontrolled crossing locations.
- Restriping all newly paved roads.
- Maintaining a state-of-good-repair- for all existing pavement markings and signage city-wide.
- Install temporary and seasonal traffic calming devices.



This is what is coming (cont'd)

■ ***Parking Division***

To Do:

- Bell Street Garage Painting.
- Bell Street concrete and decking repairs.
- Bell/Bedford/Summer Garages- update signage.
- Summer St. Garage conditions assessment.
- Parking rate and sign modernization.
- Install new citation management platform.
- Implement digital permitting.

■ ***Traffic Engineering***

To Do:

- Finalize designs for Summer St. streetscape improvements, Boxer Square intersection redesign, Long Ridge Rd. sidewalk design plan, Merritt Parking Trail.
- Springdale Train Station transit oriented development.
- Enter construction for Greenwich/ Pulaski round-a-bout, 360 degree camera installation.
- Initiate design for Atlantic St @ Main St, Richmond Hill @ Rt 1, Strawberry Hill @ Rocks Spring
- On-going construction for West Av @ West Main, Boxer Square,
- Design Stamford Train Station Improvements.