

City of Stamford

Transportation, Traffic & Parking

FY 2020-21 Budget Presentation





Transportation Traffic & Parking

■ Programs

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

■ Mission

The City of Stamford's Transportation, Traffic and Parking Department combine's 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.

2210 – Traffic Engineering

Services Provided

Securing and Administering over \$ 36M in capital transportation projects.

- Fiber Optic Trunk Cable Replacement Project (LOTICIP). Completed 1Q 2020.
- City-wide Signal Optimization (LOTICIP). Completed 4Q 2019.
- Atlantic Street at Henry Street Intersection Improvements (LOTICIP & PPP). Completed 2Q 2019.
- West Ave / West Main St. Intersection Improvements (LOTICIP) On-track to complete 2Q 2020.
- Greenwich/Pulaski round-a-bout (LOTICIP), Construction estimated to start 3Q 2020.
- Greenwich/Davenport circulator (PPP) Utility work started 1Q 2020
- Oaklawn Avenue between Halpin Avenue and Stanwick Place (STP) – Completed 3Q 2019.
- Summer Street between Hoyt St. and Main St. pedestrian improvements (LRARP), Construction to start 2Q 2020.
- Long Ridge Road Sidewalk Design, Completed. 1st phase to be completed with new development.
- Boxer Square intersection redesign (CCGP), Completed 3Q 2019.

2210 – Traffic Engineering (cont'd)

Services Provided

Securing and Administering projects (cont'd)

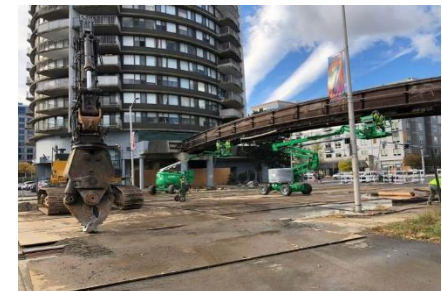
- Springdale Neighborhood Transit Oriented Development Improvement (Responsible Growth TOD).
- Traffic Signal Modernization at Six Intersections - Project G (CMAQ).
- Main St @ Atlantic St Intersection Improvements (LOTICIP).
- Richmond Hill @ West Main Intersection Improvements (LOTICIP).
- 360 Degree Traffic Signal Detection (LOTICIP).
- Strawberry Hill @ Rock Spring Intersection Improvements (LOTICIP)

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 roadway users.

Development Plan Review and Department Recommendations

- Secured over **\$13 Million** dollars in developer contributions for transportation improvements through thorough plan review.



2210 – Traffic Engineering (cont'd)

Services Provided

Fix It Stamford / GovQA

- Transportation, Traffic & Parking received 1,962 online Citizen Service Inquiries/issues.
- Traffic Engineering responded to 287 Traffic Calming requests through Fix It Stamford FY 18/19.
- Additionally, the department completed the following projects.
 - Boxer Square Intersection Improvements.
 - Installation of Speed Humps on Cross Road and High Clear Road.
 - Sidewalk Extension on Hope Street.
 - Sidewalk and roadway improvements on Hamilton Avenue.
 - New Pavement Marking Plans & Signage Improvements for:
 - Hope Street; West Broad Street (City's 1st Two-way Left Turn Lane); Palmer's Hill Road; Stillwater Avenue (Including Creation of Mini-Roundabout); and, West Main Street, etc.
 - Design of intersection improvements to Long Ridge Road @ Old Long Ridge Rd. (to be constructed using State funding).
 - Implementation of Residential Parking Permit Program on Burley Avenue
 - Construction of Halpin Avenue Sidewalk (PPP).
 - Design of Traffic Circle for Hartswood Road @ Meadowbrook, and Stillwater @ West.
 - 5 New Installations of Rectangular Rapid Flashing Beacons (RRFBs).
 - Installation of the City's 5th HAWK Signal on Atlantic Street.

2210 – Transportation Planning

Grant Solicitation and Funding Awarded

LOTICIP Program

- \$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.
- \$2,200,000 Intersection Improvement Project @ Strawberry Hill @ Rock Spring.

Local Road Accident Reduction Program (LRARP)

- \$1,000,000 Intersection and Safety Improvements on Broad Street between Atlantic Street and Greyrock Place.

Responsible Growth/TOD Grant and Community Connectivity Grant

- \$2,000,000 for Transportation Improvements around the Springdale Train Station.
- \$500,000 to Redesign Boxer Square Intersection (**Completed**).

Additional Funding Sources for planning, design and construction funding

- CTDOT \$100,000 Grant For Pedestrian Signage (**Completed**).
- Degree \$100,000 Pavement to Parks
- CMAQ \$3,000,000 Traffic Signal Modernization – Project H.
- t4america \$50,000 Creative Placemaking.
- CT/OPM \$10,000 Keep Kids Safe (Street Smarts).
- TAP \$3,900,000 Safe Routes (Sidewalks) to Schools City-wide.

2210 – Transportation Planning

Safety and Mobility – Community Engagement

- Adopted 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 including 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.
 - Completed design plans for shuttle entrance closure on Washington Blvd. at South State Street.
 - Constructed Shuttle Only Lane on North State Street to improve 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

Services Provided

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.

For example, some highlights from last year include:

- Performed routine maintenance at 207 signalized intersections.
- Responded to 1,181 service calls during business hours and 133 after business hours.
- Repaired signal equipment damaged by motor vehicle crashes at 22 locations.
- LED lamp replacement at 126 locations.
- Conflict monitor reset at 71 locations.
- Conflict monitor replacement at 13 locations.
- Scheduled New Controller Replacements at 11 intersections.
- Installed illuminated NO TURN ON RED Signs at 10 locations.
- RRFB crosswalks installed at 5 locations.
- Painted signal heads at 6 intersections.
- Gridsmart Video Detection System installed at 8 intersections.

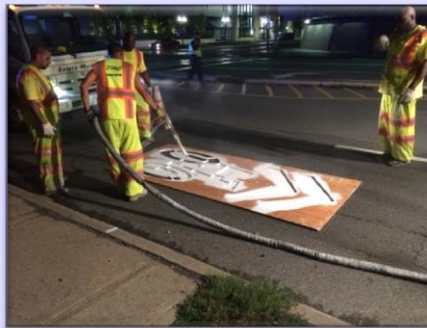


2112 – Traffic Maintenance

Services Provided

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:

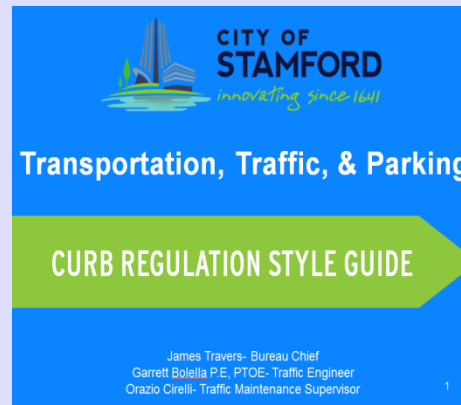
- Responded to 449 service requests.
- Fabricated 1,291 Traffic and Parking Signs
- Installed & Repaired 2,571 Traffic Related Signs.
- Fabricated 2,671 Permits & 993 Decals (Residential Parking Permits, etc.)
- Posted 3,753 Emergency No Parking Signs.
- Trimmed brush and foliage at 68 locations to improve sightlines.
- Routine maintenance refreshed 72.4 Miles of Traffic Paint.
- Restriped 62.8 miles of roadway with Thermoplastic Paint..



2112 – Traffic Maintenance (cont'd)

Services Provided

- Maintained eight (8) City lots..
- Participated in 24 special events.
- Installed 190 banners downtown and located 32 pieces of art in public places.
- Responded to 26 emergency call-outs.
- Responded to 15 snow events/emergencies
- Processed 16 Handicap Applications for on-street parking.
- Issued numerous citations for Ordinance Violations.
- Completed Re-Signing program of the Bedford Street, Bell Street, Summer Street and West Park Place Garages. (As part of the pay station modernization).



2538 – *Special Events*

Services Provided

- The Department manages/participates heavily in all special events within the City. Task involved with overseeing 24 Special Events in FY 18/19 includes:
 - Attendance of all planning meetings;
 - Set up of Traffic Control and Safety Devices;
 - Post Emergency No Parking Restrictions in advance of events; and,
 - Installation of Pole Banners; etc.



2139 – *Parking and Parking Enforcement*

Services Provided

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

- The Division concluded FY 18/19 with 64,974 tickets with a value of \$2,350,080.
 - 372 snow emergency routes ticketed.
 - 494 one hundred and twenty hours violations issued.
 - 565 citizen service responses.
 - 130 crosswalk violations issued.
 - 115 violations issued within 25ft of a crosswalk.
 - 14,919 STC meter violations issued.
 - 1,067 residential permit violations issued.
 - 10,248 official sign(s) prohibit stopping or parking violations issued.
 - 28,941 parking meter violations ticketed.
- Scofflaws captured during the FY 18/19
 - 88 scofflaws towed prior to February 7, 2019; and,
 - 391 scofflaw vehicles booted with an amount of \$227,374.00 with 41 vehicles towed since February 7, 2019 when booting program was launched.



2139 – Parking and Parking Enforcement

Services Provided (Cont'd)

- Purchased two (2) additional License Plate Readers (LPRs).
- Parking Enforcement Officers assisted other Stamford units with work requiring:
 - Road closures and traffic control (such as leaf pick-up, installation and maintenance of traffic signal equipment, sewer cleaning etc.)
- Continued management of four (4) parking garages with over 2,000 spaces.
 - Continued parking agreements with UCONN, Indeed and Vela for over 700 monthly parking passes.
- Implemented recommendations from Conditions Assessments for the garages including:
 - Bedford Street Garage – Painted the interior walls; and,
 - Bell Street Garage Electrical Renovation completed in 2019 (Project Value \$750,000)
 - Bell Street Garage – Painted the 1st level structural steel and all 3 stairwells.
- Installed 300 new credit card accepting single-space parking meters.
- Installed 22 new pay-by-plate parking pay stations
- Daily retrieval and reconciliation of cash from parking meter and paystations.

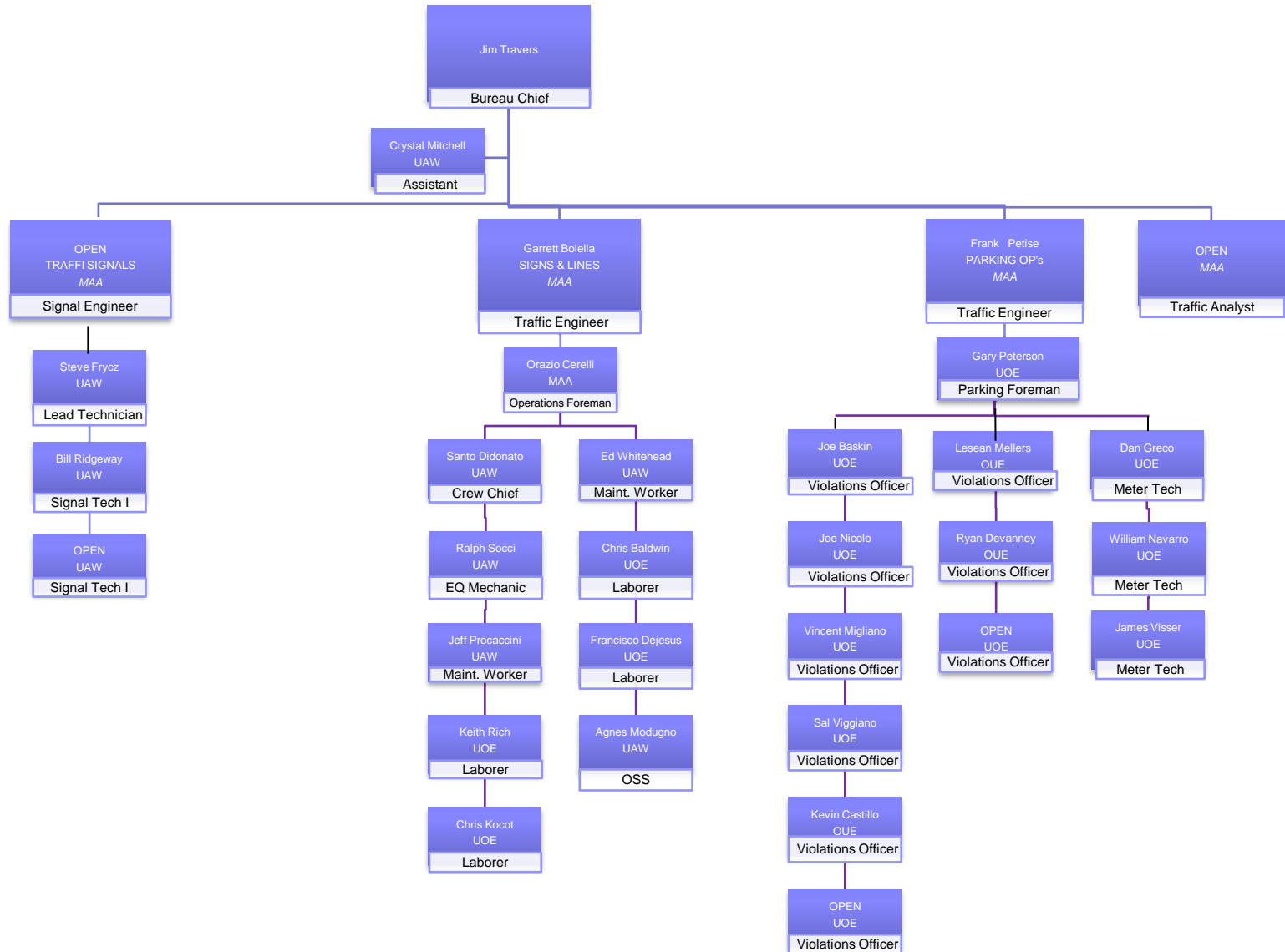




Department Organization, Personnel and Resources

- Additional Resources
 - Traffic Signal Contractors
 - Pavement Markings Contractor
 - Parking Management Contractor
 - Maintenance & Enforcement Vehicles
 - Planning & Engineering Consultants

Department Organization, Personnel and Resources





2018-19 Highlights

Challenges

- Execution of multiple roadway projects.
- Filling of open positions: Traffic Data Analyst, Clerk of the Works II, Traffic Signal Engineer, Traffic Signal Technician and Traffic Violations Officers.
- Continued implementation of 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.

Accomplishments

- Near completion of West Avenue at West Main Street intersection improvements (2M projected estimated completion in June 2020).
- Commenced construction/utility work for the Greenwich Avenue/Davenport one-way Circulator Project, as part of the larger \$5M Waterside Corridor roadway improvements project
- Completed the City of Stamford/O&G Property Swap necessary to commence construction in Q3 2020 of the Greenwich Avenue/Pulaski Street Round-a-bout.
- Completed Atlantic Street at Henry Street Intersection Improvement Project.
- Completed Oaklawn Avenue Roadway Re-alignment Project
- Completed Halpin Avenue Sidewalks Project.
- Completed Citywide Fiber Upgrade Installation.
- Completed City-wide Signal Optimization Project.
- Continued Parking Garage Structure Improvements.



2018-19 Highlights (Cont'd)

Accomplishments (Cont'd)

- Continued roll-out of new SMART meter technology.
- Initiated acquisition process for roadway widening of Washington Boulevard and Pulaski Street.

The Department coordinates with CTDOT on major infrastructure projects including:

- Atlantic Street Bridge Improvements;
- Courtland Avenue Roadway Widening;
- East Main Street Bridge over I-95;
- East Main Street Bridge over the Noroton River;
- High Ridge Road Bridge Replacement;
- Long Ridge Road Bridge Replacement, and,
- State Route Paving, etc.

The Department continued to work closely with CTDOT to lobby for major investments in critical infrastructure improvements in Stamford, including:

- Milling and repaving of entirety of Route 1 from Darien to Greenwich Town Line;
- Milling and repaving of 1.90 Miles of Long Ridge Road (Loughran Avenue to Bull's Head);
 - \$250,000 to resurface Old Long Ridge Road and sections of Erskine Road;
- ADA compliant pedestrian ramps to be installed throughout the Route 1;
- Roadway widening on North State Street and shuttle entry improvements;



2018-19 Highlights (Cont'd)

Accomplishments (Cont'd)

- Installation of skid resistant treads at Stamford Transportation Center;
- Sidewalk extensions on East Main Street; and,
- Bike lane infrastructure under Atlantic Street Bridge.

City/Departmental Recognition & Partnerships:

- Watch For Me CT, reported that for the first time in years that Connecticut's fastest growing municipality, fell out of the Top Five Cities/Towns with Pedestrian Fatalities in Connecticut.
- A total of \$32,241,000 was either requested and/or secured through grants in the previous year and private developer contributions.
- The Department partnered with the UCONN School of Engineering to sponsor a Senior Design Project in Stamford for the 2019-2020 school year.
- Stamford 2030, an Initiative of the Business Council of Fairfield, recognized the following Department members and transportation projects at the fifth annual change makers awards:
 - Jim Travers, Traffic Signal Synchronization Project
 - Frank Petise (Runner-up), Oaklawn Avenue Roadway Re-alignment Project
 - Garrett Bolella (Runner-up), Boxer Square Intersection Improvement Project
 - Garrett, Bolella, "Emerging Leader Award"





2018-2019 Goals

Signal Division

To Do:

- Pilot ATMS to support Autonomous Vehicles.
- CMAQ Phase G – installation of 6 traffic signals in the Central Business District.
- Pilot Adaptive Signalization.
- 360 Degree Camera Installation.

Signs and Lines Division

To Do:

- Adopt City's first Sign Style Guide and pilot new signage.
- Redesigning and 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.
- Institute ordinance change relating to Emergency No Parking signage.

Parking

- Execute Capital Investment Program for Garages.
- Expansion of Credit Card accepting SMART Meters.
- Integrate Digital Permitting for all Monthly Parking.
- New Citation Management.

Changes and Challenges

■ *Transportation Improvement Projects (State/Federal Funded &PPP)*

- Waterside Corridor Improvements
- Summer Street Streetscape Project
- West Avenue at West Main Street
- 360 Degree Camera
- Strawberry @ Rock Spring.
- Roadway Redesign of Newly Paved Roads
- Washington Boulevard/Pulaski Street Widening
- 6 New Traffic Signal Installations.
- Atlantic @ Main Street

■ *Key Program Challenges*

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



Parking Performance Measures

			FY 2018	FY 2019	% Change
Parking Ticket Fines			\$2,914,066.24	\$2,994,453.01	3%
Garage Revenue			\$1,854,997.12	\$1,634,200.54	-12%
Parking Revenue			\$1,845,876.15	\$1,883,766.89	2%
	Total		\$6,614,939.51	\$6,512,420.44	-2%
Source: H.T.E.					

Budget Changes Highlights

□ 2112 Traffic Maintenance (page 70)

▪ \$2,570	Seasonal	(2112-1203)	44.1%	Seasonal employee for admin support for fix it stamford
▪ \$-500	Contracted Services	(2112-3601)	-50%	Servicing of heavy equipment
▪ \$12,500	Equip. Maintenance	(2112-6605)	625%	To replace aging sign and graphic cutter
▪ \$100	Software Maintenance	(2112-6610)	5.3%	Increase in GPS tracking cost.
▪ \$700	Gasoline	(2112-5101)	35.0%	Based on historical use.
▪ \$400	Copying & Printing	(2112-5500)	3.4%	Print & mail of RPPP, ENOP, Snow Emergency, etc.
▪ \$3,000	Street & Traffic Signs	(2112-6504)	8.1%	Updating street regulatory signs
▪ \$300	Vehicle Maintenance	(2112-6601)	2.0%	Repair aging vehicles
▪ \$5,000	Small Tools & Replacement	(2112-6700)	250.0%	Equipment needed to install regulatory signs
▪ \$-5,000	Non Cap Comp Equip	(2112-8100)	-100%	Purchase of tools to install sign posts.

□ 2210 Trans/ Plan & Eng. (page 72)

▪ \$-1,800	Seasonal	(2210-1203)	-6.1%	Seasonal Signal tech and Seasonal traffic engineering
▪ \$-3000	Overtime	(2210-1301)	-6.7%	
▪ \$1,000	Postage	(2210-5405)	100.0%	Postage and meeting notice for all public hearings
▪ \$603	Equipment Rental	(2210-4400)	12.6%	Copy machine, plotter, and small equipment rental
▪ \$-2000	Conference & Training	(2210-3202)	-25%	Cert. training for P.E. & PTOE licenses & signal training
▪ \$4,400	Gasoline	(2210-5101)	-52.4%	Original request based on usage from Veh. Maint.
▪ \$-3200	Diesel Fuel	(2210-5102)	-44.4%	Original request based on usage from Veh. Maint.
▪ \$500	Copying & Printing	(2210-5500)	33.3%	Printing for bid notices, public meetings/hearing
▪ \$-2500	Vehicle Maintenance	(2210-6601)	-25%	Original request based on usage from Veh, Maint.
▪ \$-1000	Dues & Fees	(2210-8100)	-28.6%	Professional licenses & memberships

Budget Changes Highlights

□ 2139 Parking

▪	\$-41,610	Part-time	(2139-1202)	-51.9%	To create a F/T TVO position from a part-time
▪	\$-8,000	Seasonal	(2139-1203)	-23.5%	For seasonal parking enforcement
▪	\$1,100	Clothing Allowance	(2139-1501)	10.1%	Contractual cost for clothing requirement for TVO's
▪	\$-300	Equipment rental	(2139-4400)	-9.1	Lease payments for copier
▪	\$4,800	Telephone	(2139-5301)	36.4%	Equipment needed for parking enforcement and booting
▪	\$-3,000	Vehicle Maintenance	(2139-6601)	-20%	Cost to maintain aging fleet

□ 2510 Cashiering

▪	\$500	Equip. Maint.	(2510-6605)	50.0%	Equip. needed in cashier & Permitting to count revenue
▪	\$500	Software Maintenance	(2510-6610)	20.0%	Software licensing for C&P

□ 2538 Special Events

▪	\$100	Postage	(2538-5405)	100.0%	To mail notifications for special events
▪	\$2,000	Land Supplies	(2538-6501)	200.0%	For traffic control of special events
▪	\$25,000	Fireworks	(2538-8844)	45.5%	To cover cost of annual firework display

Proposed Capital Budget

❑ **CP1281 Roadway Design and Reconstruction**

- \$2,000,000 City match for grants awarded – capital investments for road improvements.

❑ **CP6174 Citywide Signals**

- \$400,000 Enhancement to the City's Advance Traffic Management System

❑ **CP8706 Sidewalk Extensions**

- \$200,000 To connect missing portions of sidewalks

❑ **CP8703 Traffic Safety and Mobility Projects**

- \$200,000 Small intersection and roadway modification projects to address safety issues

❑ **CP8705 Bicycle and Pedestrian Facilities Implementation**

- \$50,000 Implement Complete Streets Elements for Bike & Ped Plan

❑ **000717 Bus Shelter**

- \$50,000 Bus shelters near Old Town Hall

❑ **001217 South End Transportation Improvement Plan**

- \$6,600,000 Funding secured from Charter Communications- per Zoning Regulation 12.k.4