

# Town of Franklin

Town Administrator  
Tel: (508) 520-4949



Fax: (508) 520-4903

355 East Central Street  
Franklin, Massachusetts 02038-1352

## Memorandum

January 2, 2019

To: Finance Committee & Town Council Capital Subcommittee

From: Jamie Hellen

Re: **FY19 Capital Plan Proposal**

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Please find the attached Capital Plan for FY19, as well as each departments' five-year capital plan as required by the Town Charter.

Included in this memo is a sheet with the 10-year free cash history. As you can see, the average is \$2.8 million over ten years. This year free cash is a little higher than usual because town departments have been running efficiently, providing cost effective services and revenues have been stable.

From the certified total, there are several major policy commitments that eat into the total right off the bat, most notably the OPEB contribution (per Council policy), the turf fields stabilization fund contribution, scheduled fire engine replacement stabilization fund contribution and annual snow and ice funds. These recommendations are Round 1 of the FY19 Capital program. Once we know the final totals of the winter costs for snow removal, if there are remaining funds, staff will propose a "Round 2" Capital later in the Spring, which we have traditionally used to fund road and infrastructure projects.

The following is an overview of certified free cash status for FY19:

<u>Request</u>	<u>Amounts</u>
<b>FREE CASH CERTIFIED TOTAL</b>	<b>3,726,972</b>
Snow and ice removal/other	-750,000
OPEB Trust fund; per Council policy 10% of Free Cash	-370,000
Fire Truck Stabilization (7-year plan)	-100,000
Fields Stabilization (Replace in 2027-ish)	-30,000
Previously authorized expenditures (Special Ed Van for School Department, LED Lights conversion)	-\$156,446.65
Remaining Free Cash for Capital Requests	<b>2,320,525.35</b>

## Administration & Town Policy Requests

1. **Snow & Ice Removal - \$750,000**
  - a. Each year the Town reserves \$750,000 for snow and ice removal until April when we see the full costs of this winter.
  
2. **OPEB Contribution - \$370,000**
  - a. \$370,000, of 10% of the overall certified free cash, will be deposited into the OPEB Trust. This is consistent with Town Council policy to set aside this amount annually.
  - b. The OPEB Trust Fund currently has \$4,608,133.
  - c. An update of the OPEB actuarial just completed shows a \$74 million liability. A presentation will be forthcoming in the winter.
  
3. **Fire Truck Stabilization Contribution - \$100,000**
  - a. This amount is set aside to get the Fire Department to the \$700,000 estimate needed to replace a new engine 4 in approximately 2023.
  - b. The stabilization account currently has \$105,835.
  
4. **Turf Field Stabilization Contribution - \$30,000**
  - a. After this investment, the Town will have \$300,000 in the account and will be on schedule to replace fields in 2027-ish.
  - b. This amount will begin to set aside enough funds in the stabilization account to be prepared for the full cost of implementing new fields at the High School/Track and Beaver Street in approximately 2027. Estimated costs will be around \$2 million.
  - c. The Stabilization account currently has \$158,566. Additionally, after installation of the fields last year, the fund has \$110,000 left over from the penalties for being late and a sound bid. These monies will transfer over to the stabilization account.
  
5. **Previously Authorized Expenditures - \$156,446.65**
  - a. **Special Ed Van - 56,446.65**

Approved by Town Council Capital Subcommittee in late summer to accommodate the higher than expected Special education needs.
  
  - b. **LED Street Lights - \$100,000**

This last amount of cash will pay off the LED Street Lights conversion program. Approximately \$400,000 is from grants and utility incentives (National Grid). If we pay the remaining amount with cash, we will not have to borrow the money.

Once fully mature, we anticipate in FY21 the Town will save \$150,000 a year in operating funds in electricity costs and less maintenance. We estimate, over a 20-year period, the Town will save \$2.966 million in electricity costs and maintenance costs from conversion!

## Town Department Requests

### 6. Conservation Department - \$23,000

a. Delcarte Herbicide Treatment - \$23,000

This is the final investment needed, based off the great progress that has been made to get rid of invasive weeds at the Delcarte Recreation Area pond.

The Conservation Department has \$37,000 remaining from the original appropriation two years ago. Combined with \$23,000, it will allow enough funds for the next three years worth of treatments to complete the weeds portion of the project. See attached quote and report. We will amend the current contract with the current vendor to get the best price.

Please note, in three years, the Conservation Department will look for a major investment to remediate the invasive fish species.

### 7. Fire Department - \$190,000

a. Video Laryngoscope- \$11,000

The funds are being requested to provide paramedics with a Laryngoscope that provides the ability to confirm their visualization of significant antimony specifically in patients with obstructed airways.

b. Protective Clothing Replacement - \$69,000

This year begins a multi-year request to replace old, outdated protective gear. Funds requested will allow the department to replace the entire protective ensemble for each firefighter to include coats, pants and boots.

c. Auto Extraction Device - \$11,000

The funds requested will allow the purchase of a "Combi Tool" for Engine #2 used for automobile wreckage.

d. Pulse Oximeter - \$18,000

The funds are being requested to purchase this medical device that allows paramedics to assess Respiratory system and efforts.

e. Thermal Image Cameras - \$33,000

These funds will allow for replacement of 4 old imaging units.

f. Replacement Gym Equipment - \$29,000

The gym equipment has fallen apart in Station #2 and needs replacement.

g. External Chest Compressor - \$19,000

These funds will allow for purchase of a chest compressor for the departments fourth ambulance. The device provides better quality and more consistent external chest compressions and frees on-seen personnel to complete other necessary tasks more quickly.

**Not recommended at this time:**

- Radio Repeater - hold until communications study is complete.

8. **Police Department** - \$315,000

a. Police Cruisers - \$207,000

Will fund the replacement of three cruisers and one motorcycle on the fleet schedule due to cost-benefit of repairs versus new.

b. Portable Radios - \$72,000

Replace twenty (20) portable radios and accessories that have met the six year recommended replacement cycle. This is the first year of a three year project to replace all 60 portable radios utilized by the department. A large portion of the older radios will be transferred to the school department as part of a program to meet MGL C. 71 S. 37R (Two-way Communications between Public Safety and Schools).

c. Equipment & Technology - \$36,000

To replace older protective body armor, Message Board, Trailer and Camera Equipment.

**Not recommended at this time:**

- One additional cruiser replacement
- Communications antennae until communications study is complete

9. **Public Works** - \$540,000

a. Community Improvements - \$50,000

The funds appropriated three years ago for downtown improvements, such as lighting, signs, decorations, banners and other projects has dried up. We are proposing a reauthorization of this account for downtown and community beautification improvements for the next few years.

b. Stormwater Management Study - \$85,000

The DPW is requesting the funds to engage in an outside consultant to work with Town Employees to determine the true cost burden of the full implementation of the EPA Municipal Separate Storm Sewer System on the town.

c. Street Acceptance Program - \$50,000

To continue the legal and design processes to accept private ways and clean up the 100 plus backlog of acceptance of private roads.

d. Street Sweeper - \$205,000

The DPW would like to purchase a new street sweeper to be used for all town work, hauling debris, snow removal, sanding, etc. Well past the usual age with rot, wear and tear.

e. 4x4 Pick-up Truck - \$35,000

The current truck needs to be replaced due to rot, wear and tear and transmission issues. The truck is 12 years old and well past life expectancy.

f. 4x4 Utility Body Truck - \$45,000

The M-1 2003 Ford F-350 is in need of replacing due to the body rot. The truck is used by the mechanics for picking up parts and emergency road repairs. The truck carries welding equipment and other tools to make road repairs. The truck is now 15 years old and past it life expectancy.

g. Mini Excavator - \$70,000

The DPW would like to purchase this equipment to replace a 21 year old backhoe that continues to cost the town money in repairs. A mini excavator is more efficient for road repairs than a backhoe.

**Not recommended at this time:**

- Sidewalk Plow w/ snowblower
- Streets and roads improvements 1,000,000 (on hold until spring).
- Class B Dump Truck with 11ft. Plow \$180,000
- Class B Dump Truck with 11ft. Plow \$180,000
- 4x4 Crew Cab Pick-up \$45,000

**10. Water Enterprise Fund - \$1,800,000**

a. Meter replacement program - \$100,000

a. To continue the program of replacing water meters.

b. Vehicles & Equipment - \$100,000

a. Replace Backhoe - \$100,000

c. Water Main Improvements - 1,600,000

To transfer cash from the Enterprise account for water main improvements to keep up with infrastructure investments of the last 20 years. With the Pavement Management Plan complete, staff have developed a short list schedule of improvements for the next five years, including Marvin Ave and Cold Road neighborhoods.

**Not recommended at this time:**

- a. Vehicles - \$62,000
- b. Infrastructure Improvements (roofs) - ongoing

**Note:** This proposal maintains enough revenue at 1,000,000 in the bank to properly plan for future needs and for emergencies.

**11. Sewer Enterprise Fund - \$500,000**

a. Sahlin Circle Pump Station Design - \$50,000

The Sahlin Circle Sewer Pump Station needs to be replaced. We are currently studying alternatives to bring the station above ground and up to date. The engineers have provided a preliminary design and construction administration budget of \$50,000.

b. Vactor Truck - \$450,000

The vactor truck is used for many tasks and usually lasts 20-30 years. The primary function of the vactor truck is to jet sewer lines for regular maintenance line cleaning and clearing of blockages. The truck is also used to vacuum out sewer station wet wells which is essential to maintain our 23 sewer pump stations. The truck also assists with excavation around utilities, which keeps crews out of potentially dangerous trenches. Our existing truck has had and continues to have many issues that are both inconveniences, and most importantly, safety issues.

**Not recommended at this time:**

- c. Sahlin Circle Pump Station Build (FY20) - \$250,000

- d. Other vehicles and equipment - \$105,000
- e. Collection System Repairs and Infrastructure (roofs) - ongoing

**Note:** This proposal maintains enough revenue at just under 1,000,000 in the bank to properly plan for future needs and for emergencies.

**12. School Department & School Technology - \$318,000**

a. 8 Passenger Special Ed Van - \$48,000

Seeking to add an additional van to our fleet due to the increase in students attending our in-district specialized programs. We are required to transport these students by law if the program is located in a school that is not within their district. Furthermore, the District is obligated to provide specialized transportation for any student who requires specialized transportation due to their disability as referenced in the IEP.

b. Double Stack Combination Oven - \$20,000

A combination oven will allow Foodservice to prepare different and programatically better choices of food for students, with the goal of continuing to increase meal participation. Located at the High School.

c. School Technology - \$250,000

For strategic technology investments, such as student Chromebook replacements, staff computer replacements, clear touch displays, Aesop software and other minor technology investments as needed.

**Not recommended at this time:**

- More School Technology - \$32,800

**13. Facilities Department (School Projects) - \$620,000**

a. Keller Sullivan Roof - \$250,000

Replacement of Keller-Sullivan gas fired rooftop units. Current rooftop units are 17 years old and life expectancy is only 15 years.

b. Parmenter Canopy - \$30,000

Addition of new footing, posts and concrete at the Cafeteria entrance canopy.

c. Security & Surveillance Investments - \$240,000

To slowly increase the building security and surveillance in the elementary and middle school buildings to the standards set forth at the High School and to keep up with rapidly changing technology.

d. Horace Mann Drainage Courtyard Fix - \$100,000

Repiping of courtyard drainage systems to prevent future flooding. The school has had two sizeable floods resulting in hundreds of thousands of dollars in damage to the school floors and theater.

**14. Facilities Department (Town Projects) - \$90,000**

a. Municipal Generator - \$90,000

This is required as part of our Risk Analysis. The generator will be in a trailer to be used in emergencies at the Police Dept and Municipal Building. This is the most affordable option.

**Not recommended at this time:**

- Police Station Renovation & Expansion Study - \$150,000 (see future projects below)
- Municipal Building windows - \$750,000 -  
We plan to go out to bid on the project in the Spring and see what the exact price is. Doing the entire building at once will yield a better price than piecemeal. We will look at the free cash scenario in the Spring and likely request a short term borrowing for the windows based on the exact bids we receive.

**15. Recreation Department - \$200,000**

a. Fletcher Field Courts - \$200,000

Much like King Street, the Fletcher Field basketball courts are in serious deterioration.

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**Other projects over next five to ten years (in no particular order):**

- Public Safety communications infrastructure implementation - Study being completed now, cost To be determined later this year.
- Police Station study and renovation - \$20-\$25 million (renovation & expansion to current station; this does not include any new land if a new site is desired. If so, add another \$2-\$4 million)
- Prepare for future Open Space purchases and Recreation land investments - millions.
- Sidewalks on Beaver Street and Washington Street – cost TBD
- Pavement & Infrastructure Management -
  - Recent plan on roads and parking lost showed a \$40 million backlog for roads and municipal and school parking lots.
- Landfill cap and Recycling Center expansion- \$3 million approximately; state Environmental Bond Bill has \$1 million reserved authorization.
- Water treatment facility Wells 3 & 6 – approximately \$12-\$13 million (2019-2020; design occurring right now).
- Beaver Street Interceptor Design and replacement - \$25 to \$30 million; Design will likely be \$2-\$3 million on its own.
- Town and School Playground Improvements - \$1.5 million approximately over next 5-10 years.
- Stormwater Utility to comply with federal EPA mandates in stormwater
  - the study this year will help us determine this in 2020 and beyond.
- Building stabilization fund investments - \$5 - \$10 million over a decade.
  - School roofs will likely require a borrowing at some point for the next ten years to replace or stabilize roofs for several schools.
  - Municipal Building Windows - \$750,000+

TOWN OF FRANKLIN  
10 YEAR HISTORY  
CERTIFIED FREE CASH  
2009 TO 2018

	Free Cash
7/1/2009	\$2,385,242
7/1/2010	\$2,133,006
7/1/2011	\$2,935,840
7/1/2012	\$3,580,481
7/1/2013	\$2,001,830
7/1/2014	\$3,073,946
7/1/2015	\$2,359,365
7/1/2016	\$3,643,540
7/1/2017	\$2,821,988
7/1/2018	\$3,726,972

Average                      \$2,866,221



Town of Franklin  
 Conservation/Planning Capital Improvement  
 Fiscal Year 2019

Project #	Asset/ Project Name	Funding Priority	Life Expectancy	Annual Operating Expenses	Assets/Project Costs
Request #1	Delcarte Improvements	3 - Requirement	10		\$ 23,000.00
Request #2					
Request #3					
Request #4					
Request #5				\$ -	
<b>Total Capital Improvement Request</b>					<b>\$ 23,000.00</b>
<b>Priority Coding</b>					
1 - Threat to Citizens or Employees health, safety or property					
2 - Maintenance - operational necessity					
3 - Requirement of State or Federal Law or Regulation					
4 - Improvement of Infrastructure					
5 - Improved productivity					
6 - Alleviation of an overted/overburdened situation					

Town of Franklin  
 Conservation/Planning Capital Improvement  
 Fiscal Year 2019

Project #	Asset/Project Name	Funding Priority	Life Expectancy	Annual Operating Expenses	Asset/Project Costs
Request #1	Delcarte Improvements	3 - Requirer	10		\$ 23,000.00
Asset/Project Description	Invasive plant Treatment At Delcarte				
		<b>Priority Coding</b>			
		1 - Threat to Citizens or Employees health, safety or property			
		2 - Maintenance - operational necessity			
		3 - Requirement of State or Federal Law or Regulation			
		4 - Improvement of Infrastructure			
		5 - Improved productivity			
		6 - Alleviation of an overted/overburdened situation			

# Town of Franklin

Tel: (508) 520-4929


Fax: (508) 520-4906



## Conservation Commission

355 East Central Street • Franklin, Massachusetts 02038-1352

TO: Jeff Nutting  
Town Administrator

FROM: George Russell, AICP   
Conservation Agent

DATE: November 7, 2018

RE: Invasive plant treatment at DelCarte

We have received the final report on the second year of the invasive plant treatment at DelCarte and a copy is attached.

The report indicates that we should continue the treatment for at least another year. We have \$37,000 remaining in the original CIP budget for this project and I have reached out to Solitude Lake Management for a cost for another year's treatment but have not yet heard back from them. As soon as I do, I will be in touch.

CC: Jamie Hellen  
DelCarte Invasives treatment file





**MASSACHUSETTS**  
100 Fifth Avenue, 5th Floor  
Waltham, Massachusetts 02451  
p +1 781.419.7696

**RHODE ISLAND**  
10 Hemingway Drive, 2nd Floor  
East Providence, Rhode Island 02915  
p +1 401.434.5560

**VIRGINIA**  
999 Waterside Drive, Suite 2525  
Norfolk, Virginia 23510  
p +1 757.777.3777

October 30, 2018

Mr. Colin Gosselin  
Solitude Lake Management  
590 Lake Street  
Shrewsbury, MA 01545

**Re: Environmental Monitoring at Del Carte Ponds, 2018 Year-end Report  
Franklin, Massachusetts  
ESS Project No. S471-000**

Dear Mr. Gosselin,

ESS Group, Inc. (ESS) is pleased to present Solitude Lake Management, Inc. (SLM) with this year-end summary report for the 2018 environmental monitoring program at Del Carte Ponds in Franklin, Massachusetts. ESS was contracted by SLM in December 2016 to provide two years of aquatic plant and water quality monitoring at Del Carte Ponds in support of SLM's aquatic plant management project with the Town of Franklin. The 2017 year-end report was provided to SLM on November 16, 2017. In accordance with our Scope of Work, ESS conducted four rounds of monitoring at Del Carte Ponds in 2018: (1) at the start of the growing season, (2) immediately prior to the initial herbicide application, (3) two weeks following herbicide application, and (4) at the end of the growing season.

The following is a summary of work conducted in 2018 in support of the project:

- May 23, 2018 – First round of aquatic plant and water quality monitoring (ESS).
- June 6, 2018 – Second round of aquatic plant and water quality monitoring (ESS).
- June 14, 2018 – ClearCast (imazamox) treatment for control of water chestnut (*Trapa natans*), and Reward (diquat dibromide) treatment for control of variable-leaf milfoil (*Myriophyllum heterophyllum*) (SLM).
- July 2, 2018 – Third round of aquatic plant and water quality monitoring (ESS).
- July 12, 2018 – Follow-up ClearCast treatment (SLM).
- September 19, 2018 – Fourth round of aquatic plant and water quality monitoring (ESS).

#### **Aquatic Plant Management Program and Water Quality Monitoring**

ESS conducted aquatic plant mapping and water quality sampling in both the north and south basins of Del Carte Ponds on four occasions in 2018 as described above. During each monitoring event, ESS scientists mapped the locations of all native and non-native aquatic plant species at regularly-spaced sampling points throughout both pond basins (Table 1). Location data for each point was recorded using a sub-meter accurate Trimble GPS receiver.

Water quality parameters, including temperature and dissolved oxygen (concentration and percent saturation), were measured in the field at the water surface in each basin during the four sampling events (Table 2).

#### **First Environmental Monitoring Event – Start of Growing Season**

During the start of growing season survey on May 23, 2018, the invasive aquatic plant species water chestnut (*Trapa natans*) was widespread throughout Del Carte Ponds at relatively low densities (Figure 1). This species was present throughout the north basin at low densities, and was present in moderate



density near the central-western portion of the basin. In the south basin, water chestnut was documented at low density in some areas and was absent in others. The invasive common reed (*Phragmites* sp.) was present along the shorelines of the ponds, and was most abundant along the southern margins of both basins. Swollen bladderwort (*Utricularia inflata*), another invasive plant, was also observed in very low densities in the southern basin.

Dissolved oxygen concentrations in the north and south basins (5.61 mg/L and 9.71 mg/L, respectively) were within the range of expected values for small, shallow ponds and sufficient for supporting aquatic life, including the warm-water fish community that exists at Del Carte Ponds. As expected, water temperature in the shallower south basin was higher than the deeper north basin (Table 2).

### Second Environmental Monitoring Event – Pre-Treatment

During the pre-treatment survey on June 6, 2018, water chestnut density in the north basin was significantly higher than during the May survey, which would be expected as plants grow and mature during the beginning of the growing season (Figure 2). Water chestnut was observed throughout the north basin, with the highest densities observed in the central-western portion of the basin. In the south basin, water chestnut was observed along the shoreline of the waterbody and was absent from the interior portion of the basin. No previously undocumented non-native species were observed during the second environmental monitoring event.

Dissolved oxygen concentrations in the north basin (5.80 mg/L) were similar to those observed during the first environmental monitoring event. In the south basin, dissolved oxygen concentrations (3.19 mg/L) were significantly lower than those observed during the first environmental monitoring event, potentially due to excessive algal growth in this basin (Table 2). Warm-water fishes (including bluegill, bass, and perch) tend to avoid areas where dissolved oxygen concentrations are below 3.0 mg/L.

### Third Environmental Monitoring Event – Post-treatment

On June 14, 2018 Solitude performed the first of two ClearCast (imazamox) treatments of Del Carte Ponds for control of water chestnut. ESS conducted the third (post-treatment) environmental monitoring event on July 2, 2018.

During the third environmental monitoring event, water chestnut density was observed to have decreased in the north basin (Figure 3). While the overall cover of water chestnut in the north basin did not change significantly, a relatively large area of open water was observed near the dam for the first time this year.

The overall extent and density of water chestnut was higher in the southern basin compared to the June survey, with sparse growths observed throughout the basin and moderate densities observed along the southern shoreline. This is likely due to the maturation and growth of plants that were submerged earlier in the growing season. No previously undocumented non-native species were observed during the third environmental monitoring event.



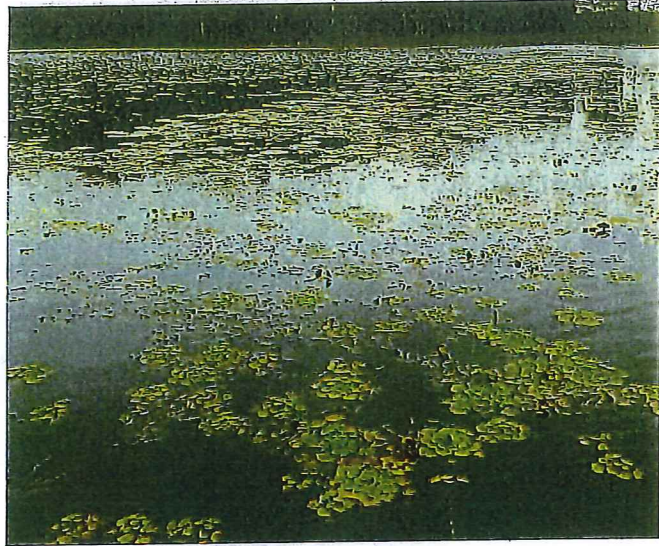
*Remaining water chestnut growth in the north basin of Del Carte Ponds during the post-treatment sampling event. Facing south on July 2, 2018.*

Compared to the second environmental monitoring event, dissolved oxygen concentrations fell slightly in the north basin and rose slightly in the south basin (Table 2). This result is not unexpected, as the ClearCast treatments resulted in a much greater increase in decaying organic material in the north basin than in the south basin due to the greater pre-treatment plant densities in the north basin.

#### Fourth Environmental Monitoring Event - End of Growing Season

SLM conducted a follow-up treatment to address the remaining water chestnut on July 12, 2018. ESS conducted the fourth (end of growing season) environmental monitoring event on September 19, 2018.

The overall extent and density of water chestnut was significantly lower during the fourth environmental monitoring event compared to previous surveys this year (Figure 4). While water chestnut continued to persist at low densities throughout most of the north basin, the species was absent along the immediate shoreline, including near the dam. Remaining water chestnut growths were also observed to be showing signs of decay, an indication that the treatments conducted earlier in the year were effective. Water chestnut was absent from most of the south basin, and was present only along the eastern shoreline and at the far southern end of the basin. No previously undocumented non-native species were observed during the fourth environmental monitoring event.



North basin of Del Carte Ponds facing south taken during end of growing season monitoring event. September 19, 2018.

Due to an equipment malfunction, water quality data was not recorded during the fourth environmental monitoring event.

**Table 1. Aquatic plant species documented in Del Carte Ponds during four environmental monitoring events in 2018.**

Common Name	Scientific Name	5/23/2018	6/6/2018	7/2/2018	9/19/2018
Watershield	<i>Brasenia schreberi</i>	X	X	X	X
Coontail	<i>Ceratophyllum demersum</i>	X	X	X	X
Spineless Hornwort	<i>Ceratophyllum echinatum</i>	X			
Canadian Waterweed	<i>Elodea canadensis</i>	X	X		
Filamentous Algae	Green algae	X			X
Duckweed	<i>Lemna sp.</i>	X	X	X	X
Low Water-Milfoil	<i>Myriophyllum humile</i>	X		X	
Stonewort	<i>Nitella sp.</i>	X			
Yellow water lily	<i>Nuphar lutea variegata</i>	X	X	X	X
White water lily	<i>Nymphaea odorata</i>	X	X	X	X
Common Reed	<i>Phragmites sp.</i>	X	X	X	X



Mr. Colin Gosselin  
October 30, 2018

Largeleaf Pondweed	<i>Potamogeton amplifolius</i>			X	
Floating-Leaf Pondweed	<i>Potamogeton natans</i>				X
Thinleaf Pondweed	<i>Potamogeton pusillus</i>	X		X	X
American Bur-reed	<i>Sparganium americanum</i>			X	
<b>Water chestnut</b>	<b><i>Trapa natans</i></b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Cattail	<i>Typha sp.</i>	X	X		X
<b>Swollen Bladderwort</b>	<b><i>Utricularia inflata</i></b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Common Bladderwort	<i>Utricularia macrorhiza</i>	X	X	X	X
Watermeal	<i>Wolffia sp.</i>			X	X

Note: **Bold text** indicates non-native species.

Table 2. Water quality parameters in the north and south basins of Del Carte Ponds in 2018.

Location	Date	DO		Temp (°C)
		%	mg/L	
North Basin	5/23/2018	63.7	5.61	20.1
	6/6/2018	61.9	5.8	18.2
	7/2/2018	57.5	4.59	*
	9/19/2018	*	*	*
South Basin	5/23/2018	111.6	9.71	22.5
	6/6/2018	33.6	3.19	17.9
	7/2/2018	45.4	3.62	*
	9/19/2018	*	*	*

\* equipment malfunction, values not recorded

### Project Summary

The 2018 growing season represents the second year of environmental monitoring by ESS at Del Carte Ponds in support of aquatic invasive species management conducted by SLM. The results of the 2018 surveys demonstrate that the overall extent and density of water chestnut growth in Del Carte Ponds has decreased significantly compared to 2017.

The total extent of water chestnut cover decreased by approximately four acres between the June 2017 and June 2018 surveys, and areas of moderate to dense growth decreased from 13.4 acres in June 2017 to 6.8 acres in June 2018. Similarly, the total extent of water chestnut cover decreased by approximately six acres between the September 2017 and September 2018 surveys. Areas of moderate to dense growth decreased from 6.0 acres in September 2017 to 2.6 acres in September 2018. These results indicate that SLM's treatment of water chestnut in Del Carte Ponds is effectively decreasing the extent and density of this aquatic invasive species in the system.

ESS recommends that aquatic invasive plant management and monitoring efforts continue at Del Carte Ponds to capitalize on the progress seen over the past two seasons. Regular monitoring of the ponds is recommended to evaluate the effectiveness of aquatic invasive species management actions, assess the



Mr. Colin Gosselin  
October 30, 2018

system for any negative ecological effects of treatments, and to identify any new invasive species that could enter the system before they spread to problematic levels.

We appreciate the opportunity to serve Solitude Lake Management. Please contact the undersigned at (401) 330-1233 if you have any questions.

Sincerely,

**ESS GROUP, INC.**

A handwritten signature in black ink, appearing to read 'Alexander H. Patterson', with a horizontal line underneath.

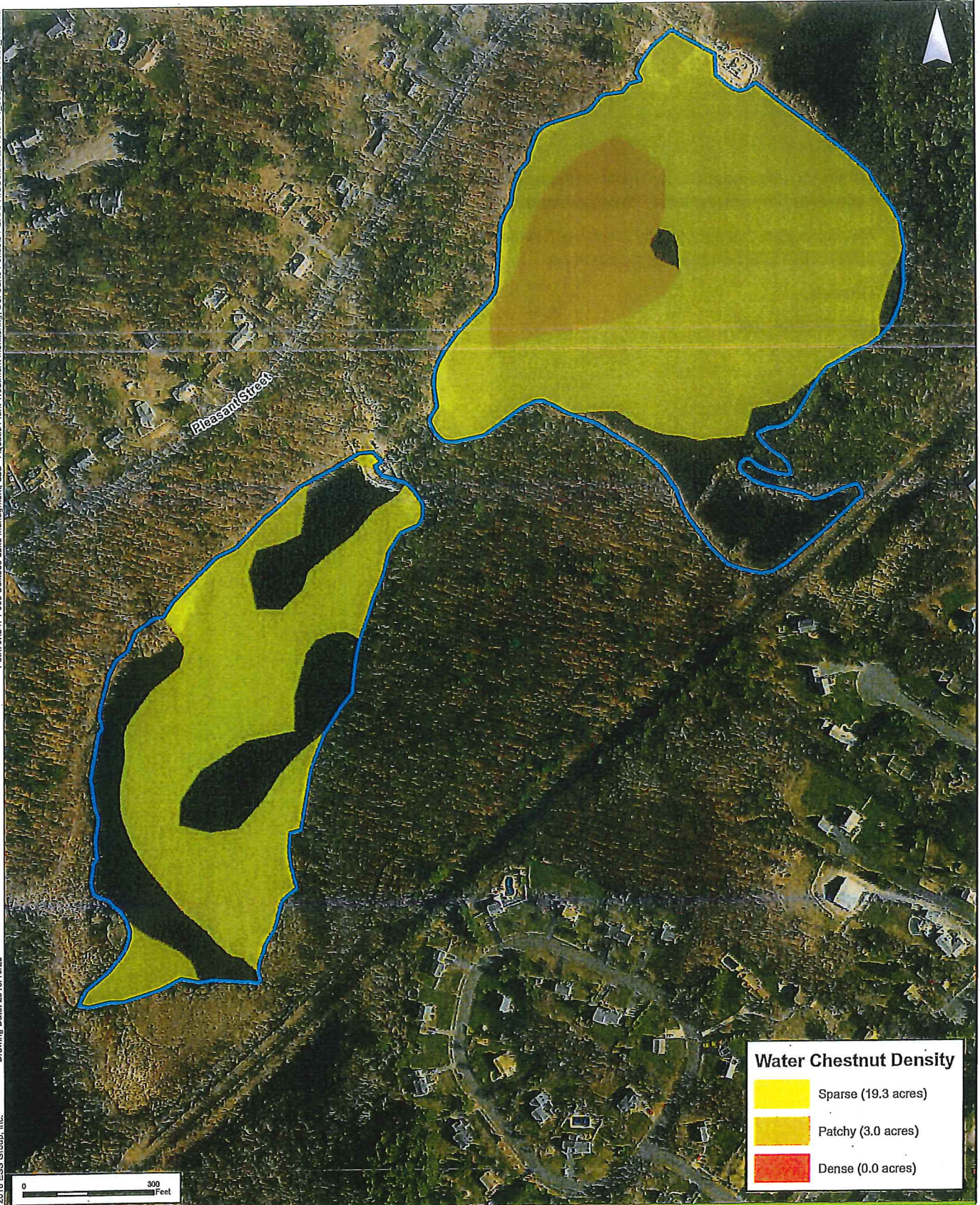
Alexander H. Patterson  
Project Scientist

Attachments: Figures





Path: J:\S471-000 Scituate Lake Management, LLC - Aquatic Plant Treatment Monitoring, Del Carte Ponds\04\_GFA-PH\CSWXD\2018\S471\_000\_20180223\_Th.mxd  
Drawing Date: 2018/10/26  
© 2018 ESS Group, Inc.



### Del Carte Ponds 2018 Environmental Monitoring Franklin, MA

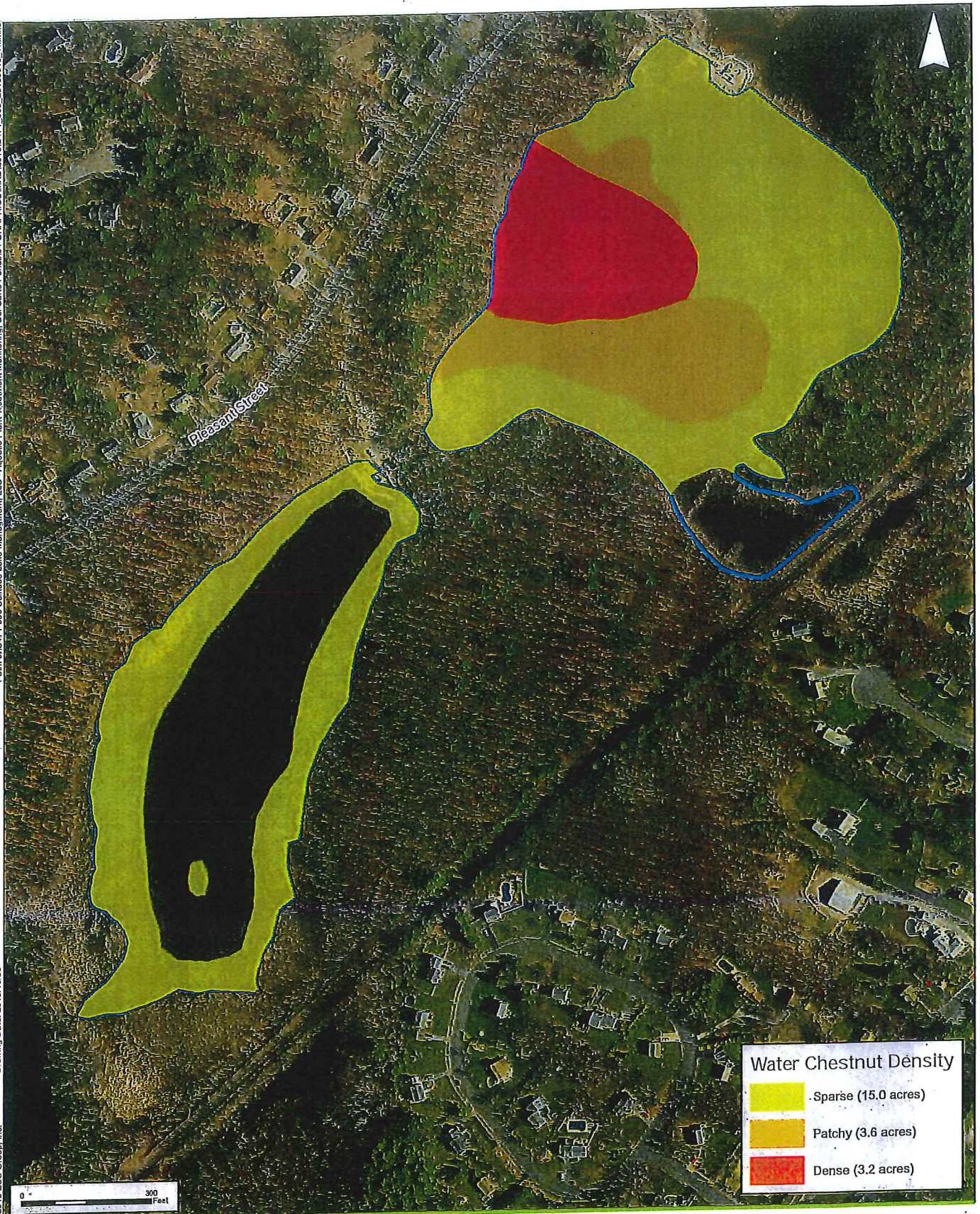
1 inch = 300 feet




Source: 1) MassGIS/USGS, Color Ortho, 2013  
2) ESS, GPS Locations, 2018

### Invasive Species Cover May 23, 2018

Figure 1

Path: J:\S471-000 Scituate Lake Management, LLC - Aquatic Plant Treatment Monitoring, Del-Carte Ponds\04 GRAPHICS\WXD\001\GIS\71\_000\_20180618\_Tm.mxd  
Drawing Date: 2018/06/18  
© 2018 ESS Group, Inc.



Water Chestnut Density	
	Sparse (15.0 acres)
	Patchy (3.6 acres)
	Dense (3.2 acres)



### Del-Carte Ponds 2018 Environmental Monitoring Franklin, MA

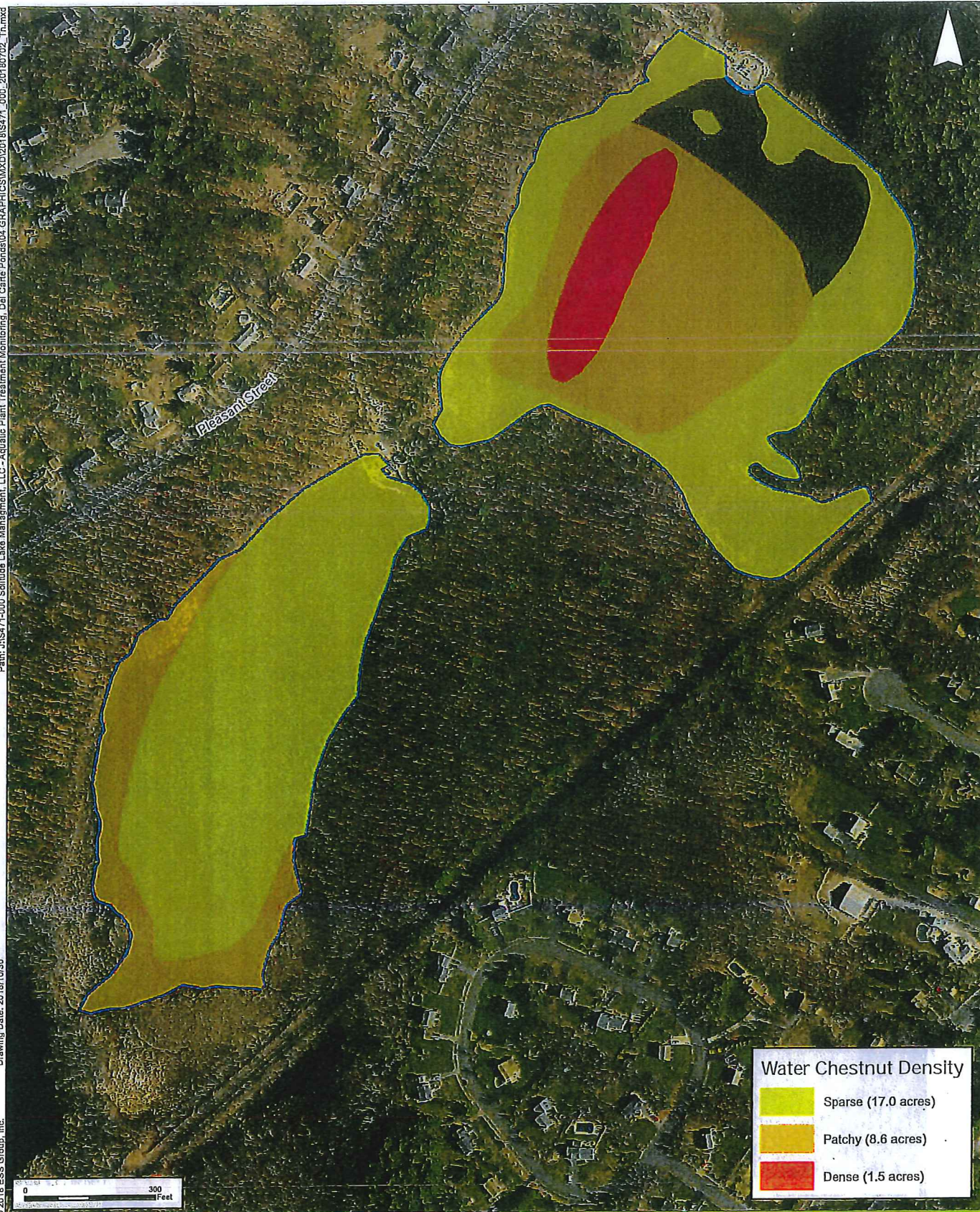
1 Inch = 300 feet

Source: 1) MassGIS/USGS, Color Ortho, 2013  
2) ESS, GPS Locations, 2018

Invasive Species Cover  
June 6, 2018

Figure 2

Path: J:\S471-000 Solitude Lake Management, LLC - Aquatic Plant Treatment Monitoring, Del Carte Ponds\04 GRAPHICS\MXD\2018\S471\_000\_20180702\_Tn.mxd  
Drawing Date: 2018/10/30  
© 2018 ESS Group, Inc.



### Del Carte Ponds 2018 Environmental Monitoring Franklin, MA

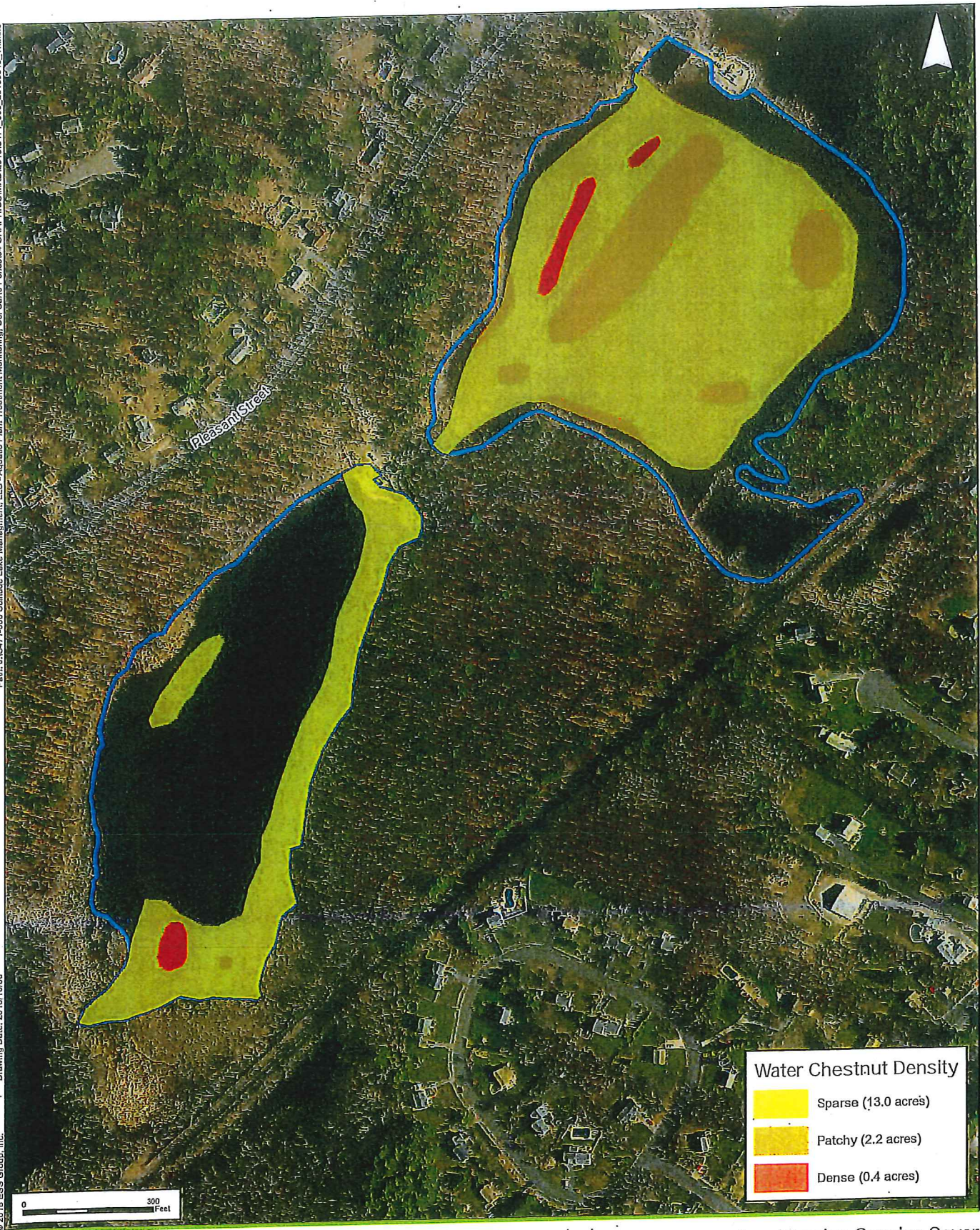
1 inch = 300 feet

Source: 1) MassGIS/USGS, Color Ortho, 2013  
2) ESS, GPS Locations, 2018

### Invasive Species Cover July 2, 2018

Figure 3

Path: J:\S471-000 Solitude Lake Management, LLC - Aquatic Plant Treatment Monitoring, Del Carte Ponds\04 GRAPHI\CSIM\XD2018\S471\_000\_20180919\_Tm.mxd  
Drawing Date: 2018/10/30  
© 2018 ESS Group, Inc.



### Del Carte Ponds 2018 Environmental Monitoring Franklin, MA

1 inch = 300 feet

Source: 1) MassGIS/USGS, Color Ortho, 2013  
2) ESS, GPS Locations, 2018

Invasive Species Cover  
September 19, 2018

Figure 4

Town of Franklin Conservation/Planning Capital Improvement Plan 5 Year Plan		Year 1	Year 2	Year 3	Year 4	Year 5
		FY18	FY19	FY20	FY21	FY22
<b>Other Capital / Item Requests</b>						
<b>DelCarte Recreation Area infrastructure improvements</b>	<p>The Town is currently undertaking the necessary steps to reduce the invasive aquatic species in DelCarte Pond and the first year appears to be on target. This treatment will continue through the fall of 2018. Based on the Ecological and Management study of the DelCarte Ponds by Ess Group, another next step in the restoration of the ponds is the development of a management plan to locate and stop the growth of Purple Loosestrife, an invasive plant. After the locations are accurately determined, a biologic predator that feeds only of this plant will be introduced to effectively inhibit the spread of the plant. Another part of the project which will run in tandem with the above will be the hand harvesting of the remaining Water Chestnut plants.</p>	25,000			20,000	
<b>Town Forest Improvements</b>	<p>The specific project involves three components to improve access to and use of the town forest on Summer St.: (1) interpretive signage to both help visitors understand the forest ecology and to clearly demarcate the boundaries of the forest and adjacent private property; (2) improvements to the small off-street parking area at the trailhead on Summer Street; and (3) the enhancement of the existing trail system itself including the placement of signage and trail markings, installation of 2,964 feet on "new" trails, and the possible construction of bridge crossings and the necessary permitting to accomplish these.</p>					36,000

<p><b>DelCarte Pond Health</b></p>	<p>The Town is currently undertaking the necessary steps to reduce the invasive aquatic species in DelCarte Pond and the first year appears to be on target. This treatment will continue through the fall of 2018. Based on the Ecological and Management study of the DelCarte Ponds by Ess Group, the next step in the restoration of the ponds is the creation of fish spawning habitat enhancement which is expected to cost \$60,000. The figure under project costs includes permitting costs and a slight inflationary increase over the 2016 estimated costs from ESS.</p>		60,000	50,000		
		25,000	60,000	50,000	20,000	36,000
<p><b>Total Capital Improvement Requests</b></p>		25,000	60,000	50,000	20,000	36,000

Town of Franklin  
 Fire Capital Improvement Plan  
 Fiscal Year 2019

Project #	Asset/ Project Name	Funding Priority	Life Expectancy	Annual Operating Expenses	Assets/Project Costs
Request #1	Video Laryngoscope	5 - Improved pr	5 years	\$ 1,000	\$ 11,000
Request #2	Protective Clothing	1 - Threat to Cit	10 years	\$ -	\$ 68,750
Request #3	Auto Extrinsication Device	1 - Threat to Cit	15	\$ 300	\$ 11,000
Request #4	Pulse Oximeter	2 - Maintenananc	10 years	\$ -	\$ 17,200
Request #5	Thermal Imagine Cameras	2 - Maintenananc	6 Years	\$ -	\$ 33,000
Request #6	New Radio Repeater	1 - Threat to Cit	6 years	\$ 100	\$ 50,000
Request #7	External Chest Compressor	2 - Maintenananc	7 years	\$ -	\$ 18,400
Request #8	Replacement Gym Equipment	2 - Maintenananc	10 years	\$ -	\$ 29,000
<b>Total Capital Improvement Request</b>					<b>\$ 238,350</b>
<b>Priority Coding</b>					
1 - Threat to Citizens or Employees health, safety or property					
2 - Maintenance - operational necessity					
3 - Requirement of State or Federal Law or Regulation					
4 - Improvement of Infrastructure					
5 - Improved productivity					
6 - Alleviation of an overtred/overburdened situation					

Town of Franklin  
Fire Capital Improvement Plan  
Fiscal Year 2019

**Project #**  
**Asset/Project Name**

Request #1  
Video Laryngoscope

**Funding Priority**  
5 - Improve

**Life Expectancy**  
5 years

**Annual Operating Expenses**  
\$ 1,000.00

**Assets/Project Costs**  
\$ 11,000.00

Paramedics used Laryngoscopes to visualize the anatomy of the lower airway to inset endotracheal tube to manage patient's airways. The skill of inserting an endotracheal tube is necessary to breath for patients who are not breathing or have an obstructed airway system due to trauma.



Presently, Paramedics use Laryngoscopes without a video camera which requires them to visualize anatomical features such as the vocal cord and epiglottis to insure proper insertion of the endotracheal tube. Visualization is made difficult when dealing with patients having compromised airways whether with vomitus or other foreign bodies.

Funds are being request to provide paramedics with Laryngoscope which have a miniature video camera on the bade and video screen on the handle. The use of the video camera significantly enhances the Paramedic's ability to confirm their visualization of significant antimony specifically in patients with obstructed airways.

The video equipped Laryngoscope will provide paramedics with the following advantages:

**Priority Coding**

- 1 - Threat to Citizens or Employees health, safety or property
- 2 - Maintenance - operational necessity
- 3 - Requirement of State or Federal Law or Regulation
- 4 - Improvement of Infrastructure
- 5 - Improved productivity
- 6 - Alleviation of an overtired/overburdened situation



	<p>- Video and direct visualization within a single line of sight aim to simplify and accelerate intubation.</p>		
	<p>- Video and direct visualization reduce the need for multiple devices and aims to simplify and accelerate intubations.</p>		
	<p>- The ability to monitor tube insertion and confirmation, improves grade of view and requires less force—addressing tube trauma and complications.</p>		



GlideScope

To: Franklin Fire Department  
40 West Central Street  
Franklin, MA 02038

Account Number 1454067  
Quote Number 00110468  
Created Date 11/5/2018  
Expiration Date 7/31/2019

To prevent delays, please do ensure the PO matches this quotation and includes the quotation number when ordering.

Please Email or Fax Purchase Order to:  
David Mahoney  
[david.mahoney@verathon.com](mailto:david.mahoney@verathon.com)  
Phone: (857) 320-1294

Quantity	Product	Product Code	Sales Price	Discount Amount	Total Price
2.00	GlideRite Rigid Stylet - 10 Pack	0270-0681	USD 350.00		USD 700.00
1.00	GlideRite SU Stylet (Sm) Pk 10	0270-0916	USD 60.00		USD 60.00
4.00	GlideScope Go Large Carrying Case	0800-0566	USD 148.00		USD 592.00
4.00	GlideScope Go Monitor Kit	0570-0368	USD 3,700.00	USD -1,480.00	USD 13,320.00
12.00	GlideScope Go Warranty Extended 1 Year	0003-1235	USD 33.25		USD 399.00
12.00	GlideScope Go Warranty Extended 1 Year	0003-1235	USD 33.25		USD 399.00
12.00	GlideScope Go Warranty Extended 1 Year	0003-1235	USD 33.25		USD 399.00
12.00	GlideScope Go Warranty Extended 1 Year	0003-1235	USD 33.25		USD 399.00
1.00	Spectrum SU, DVM S3, Box/10	0270-0932	USD 400.00		USD 400.00
1.00	Spectrum SU, DVM S4, Box/10	0270-0933	USD 400.00		USD 400.00
1.00	Spectrum SU, LoPro S1, Box/10	0270-0876	USD 520.00		USD 520.00
1.00	Spectrum SU, LoPro S2, Box/10	0270-0877	USD 520.00		USD 520.00
4.00	Spectrum SU, LoPro S3 (SW), Box/10	0270-0938	USD 400.00		USD 1,600.00
4.00	Spectrum SU, LoPro S4 (SW), Box/10	0270-0939	USD 400.00		USD 1,600.00

Subtotal	USD 22,788.00
Discount Amount	USD 1,480.00
Sales Price	USD 21,308.00
Shipping and Handling	USD 150.00



www.Verathon.com

If applicable, taxes will be included on your invoice, Please do not pay from quote.

Verathon Medical Corporate Headquarters  
20001 North Creek Parkway  
Bothell WA, 98011

Verathon Terms and Conditions shall apply to all orders and can be found at:  
<http://verathon.com/download/0003-0625.pdf>



**Physio-Control, Inc**  
 11811 Willows Road NE  
 P.O. Box 97006  
 Redmond, WA 98073-9706 U.S.A.  
 www.physio-control.com  
 tel 800.442.1142  
 Sales Order fax 800.732.0956  
 Service Plan fax 800.772.3340

To FRANKLIN FD  
 Attn: Jay Mullen, ALS Coordinator  
 40 W CENTRAL ST  
 FRANKLIN, MA 02038  
 (508) 520-4930  
[jmullen@franklin.ma.us](mailto:jmullen@franklin.ma.us)

Quote Number 00148061  
 Revision # 1  
 Created Date 10/26/2018  
 Sales Consultant Crystale Perry  
 (401) 255-8876  
[crystale.perry@stryker.com](mailto:crystale.perry@stryker.com)  
 FOB Destination  
 Terms All quotes subject to credit approval and the following terms and conditions  
 NET Terms NET 45

Contract State of MA FIR04 Expiration Date 11/28/2018


Product	Product Description	Quantity	List Price	Unit Discount	Unit Sales Price	Total Price
11996-000393	McGRATH MAC EMS Video Laryngoscope	3.00	2,805.00	-504.90	2,300.10	6,900.30
11996-000394	McGRATH 3.6V EMS Battery	3.00	62.00	-11.16	50.84	152.52
11996-000398	McGRATH X3 Laryngoscope Blades, Box of 10	3.00	286.00	-51.48	234.52	703.56
11996-000413	McGRATH MAC 1 Laryngoscope Blades, Box of 10	3.00	164.00	-29.52	134.48	403.44
11996-000414	McGRATH MAC 2 Laryngoscope Blades, Box of 10	3.00	164.00	-29.52	134.48	403.44
11996-000415	McGRATH MAC 3 Laryngoscope Blades, Box of 10	3.00	164.00	-29.52	134.48	403.44
11996-000416	McGRATH MAC 4 Laryngoscope Blades, Box of 10	3.00	164.00	-29.52	134.48	403.44

Subtotal USD 9,370.14  
 Estimated Tax USD 0.00  
 Estimated Shipping & Handling USD 0.00

Current Sales Tax Rates will be applied at the time of Invoice and tax rate is based on the Ship To location

Grand Total USD 9,370.14

**Pricing Summary Totals**  
 List Price Total USD 11,427.00  
 Total Contract Discounts Amount USD 0.00  
 Total Discount USD -2,056.86  
 Trade In Discounts USD 0.00  
 Tax + S&H USD 0.00

Project #	Asset/Project Name	Funding Priority	Life Expectancy	Annual Operating Expenses	Assets/Project Costs
Request #2	Protective Clothing	1 - Threat to	10 years	\$ -	\$ 68,750.00
Asset/Project Description	<p>These funds have been requested this year and ensuing fiscal years to replace the protective clothing firefighters wear to protect themselves during fire combat operations. The replacement process is necessary since the outside (shell) material, while resistant to heat, denigrates over time due to exposure to the ultraviolet rays of the sun. This denigration combined with normal wear and tear of the garments; weaken the fabrics ability to provide reliable protection for firefighters. On average, these garments are anticipated to last about five years. The process of replacing 10 sets of garments this year and the ensuing four fiscal years will allow us to replace our older garments this year and the balance of the garments as they reach their anticipated life expectancy. Funds requested will allow the department to replace 16 sets of Firefighter garments (coat and pants), 30 sets of boots and 30 helmets. The mixed numbers requested will insure all personnel have garments within helmets and boots within the age requirements of the National Fire Protection Association.</p> <p>In addition, funds are being requested to purchase reflective traffic vests for all firefighter paramedics. Traffic vests are now required by OSHA regulation for all personnel operating near roadways.</p>				<p><b>Priority Coding</b></p> <ul style="list-style-type: none"> <li>1 - Threat to Citizens or Employees health, safety or property</li> <li>2 - Maintenance - operational necessity</li> <li>3 - Requirement of State or Federal Law or Regulation</li> <li>4 - Improvement of Infrastructure</li> <li>5 - Improved productivity</li> <li>6 - Alleviation of an overt/overburdened situation</li> </ul>

FIRE TECH & SAFETY OF NEW ENGLAND, INC.  
 100 Business Park Dr., Unit 6  
 Tyngsborough, MA 01879  
 1-800-256-8700 Fax (978) 649-6833

# Quote

Date	Quote #
10/22/2018	184602

Name / Address
FRANKLIN FIRE DEPT.-MA 40 WEST CENTRAL STREET FRANKLIN, MA 02038



Project	Terms	Rep
	Net 30	JL

Qty	Description	Unit Price	Total
16	LION CUSTOM COAT, V-FORCE WITH RED ZONE PROTECTION	1,795.00	28,720.00
16	LION CUSTOM PANTS, V-FORCE WITH RED ZONE PROTECTION	1,225.00	19,600.00
16	LION PRIMUS STRUCTURAL FIREFIGHTING GLOVE WITH GAUNTLET CUFF, X-LARGE	110.00	1,760.00
16	LION DEFENDER GLOVE, BLACK/GOLD, SIZE XL	70.00	1,120.00
16	LION PARTICULATE BLOCKING HOOD	140.00	2,240.00
16	HAIX FIRE HERO XTREME BOOT, SIZE 11 WIDE	340.00	5,440.00
	****NOTE **** PRICING ON THE TURNOUT GEAR IS GOOD UNTIL 1/20/2018,AFTER THAT DATE PRICING WILL GO UP APPROX 8%		

<b>Total</b>		\$58,880.00
--------------	--	-------------

# FIREMATIC SUPPLY CO., INC.

23 Birch Street, Milford, Mass. 01757  
 Phone: 978-815-5181 FAX: (978) 422-9621  
 pcavalieri@firematic.com  
 WebSite: www.firematic.com

**Quote**



DATE 10/12/2018	PAGE 1
QUOTE NUMBER QT67902	
EXPIRE DATE 11/11/2018	

**Quoted To**  
 Chief McCarraher  
 FRANKLIN FIRE DEPT.  
 40 WEST CENTRAL STREET  
 FRANKLIN, MA 02038

**Ship To**

CUSTOMER NO. 3260	CONTRACT NO.	PHONE NO. (508)528-2323	SALESPERSON PETE CAVALIERI	CUSTOMER PO. NO.
----------------------	--------------	----------------------------	-------------------------------	------------------

LINE NO.	ITEM NUMBER	DESCRIPTION	QTY ORDERED	UNIT PRICE	EXTENDED PRICE
1	QFAULPBH2B2E13P BWB	BREATHABLE HOOD PBI LENZING NANO FLEX	100	97.50	9,750.00
2	FGGFCP5000M	P5000 PHEONIX STRUCTURAL GLOVE, MEDIUM OTHER SIZES AVAILABLE	100	79.00	7,900.00
3	GLO120A400M100	14" SUPREME STRUCTURAL BOOT, ARCTIC GRIP, 10 MED OTHER SIZES AVAILABLE	50	460.00	23,000.00
4	CAI1044DSB	HELMET,1044 DEF,FIRE, BLK, CLR, STD	50	241.00	12,050.00

**Comments** SHIPPING INCLUDED IN PRICE

**Amount**  
By:

**52,700.00**  
PETE CAVALIERI

Town of Franklin  
 Fire Capital Improvement Plan  
 Fiscal Year 2019

Project #	Asset/Project Name	Funding Priority	Life Expectancy	Annual Operating Expenses	Assets/Project Costs
Request #3	Auto Extrication Device	1 - Threat to	15	\$ 300.00	\$ 11,000.00
Asset/Project Description	<p>This year we are requesting funds to replace an auto extrication tool known as a "Combi Tool". This tool can be used as both a metal cutter and spread and is used primarily to move the wreckage of automobile. The tools will be placed on Engine #2, the first responding unit from the King Street Station. The remainder of the auto extrication tools for the King Street Station will be replaced when the Engine is Replaced in 2023.</p>				



- Priority Coding**
- 1 - Threat to Citizens or Employees health, safety or property
  - 2 - Maintenance - operational necessity
  - 3 - Requirement of State or Federal Law or Regulation
  - 4 - Improvement of Infrastructure
  - 5 - Improved productivity
  - 6 - Alleviation of an overtred/overburdened situation

FIRE TECH & SAFETY OF NEW ENGLAND, INC.  
 100 Business Park Dr., Unit 6  
 Tyngsborough, MA 01879  
 1-800-256-8700 Fax (978) 649-6833

# Quote

Date	Quote #
10/31/2018	184712

Name / Address
FRANKLIN FIRE DEPT.-MA 40 WEST CENTRAL STREET FRANKLIN, MA 02038



Project	Terms	Rep
	Net 30	JL

Qty	Description	Unit Price	Total
1	AMKUS ION SERIES ICT516 COMBI TOOL INCLUDES 2 BATTERIES AND CHARGER	9,900.00	9,900.00
1	AMKUS EXTENDED REACH TIPS (1 PAIR) SHIPPING AND HANDLING INCLUDED IN PRICE	995.00 0.00	995.00 0.00

<b>Total</b>		\$10,895.00
--------------	--	-------------






1690 New Britain Ave. | Farmington, CT 06032 | Phone: 800.234.1464

Customer Number - 1202010  
Franklin Fire Department  
40 West Central  
Attn: Norma Collins  
FRANKLIN, MA 020382102  
Attention: Jay Mullen

PO No.  
RFQ No.  
Quotation No. 1116287  
  
Eff. Date 10/25/2018  
Exp. Date 11/25/2018  
Sales Rep Laura Koscomb

Item #	Image	Description	Country	Size	Package	U/M	Qty	Unit Price	Extended Price
<a href="#">17566</a>		RAD-57 Kit w/SpCO Adlt Sens	USA		Each	EA	4	\$ 4,299.99	\$ 17,199.96
								<b>Total</b>	<b>\$ 17,199.96</b>

**Comments:**

**Terms and Conditions:**

- Unless otherwise specifically stated in this price quote, all prices shown are good for 30 days from the date of this price quote.
- Notwithstanding the foregoing, price quotes may change without notice due to cost increases by product manufacturers.
- Price quotes exclude other customary charges, taxes and fees. See Terms and Conditions for details.
- Special Order items and certain other product purchases, including vaccines are not returnable.
- Applicable sales tax will be calculated at time of invoice.

See our full Terms & Conditions at: [www.mooremedical.com/terms](http://www.mooremedical.com/terms)



FIRE TECH & SAFETY OF NEW ENGLAND, INC.  
 100 Business Park Dr., Unit 6  
 Tyngsborough, MA 01879  
 1-800-256-8700 Fax (978) 649-6833

# Quote

Date	Quote #
10/22/2018	184600

Name / Address
FRANKLIN FIRE DEPT.-MA 40 WEST CENTRAL STREET FRANKLIN, MA 02038



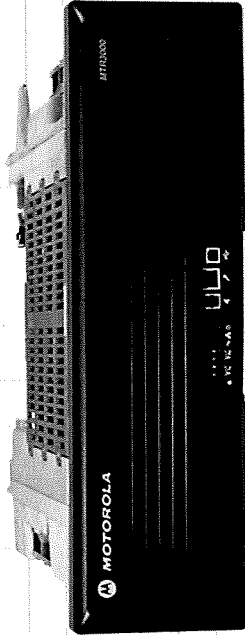
Project	Terms	Rep
	Net 30	JL


Qty	Description	Unit Price	Total
3	BULLARD NXT 320 GOLD CAMERA PACKAGE WITH NFPA COMPLIANT NXT THERMAL IMAGER IN BLACK/METALLIC BLUE WITH 320X240 RESOLUTION UPGRADE, WIRELESS XT TRUCK MOUNT CHARGER, ELECTRONIC THERMAL THROTTLE, AND XT RETRACTABLE STRAP *****NOTE***** SPARE BATTERY NOT NEEDED, CAMERA COMES WITH A SEALED IN BATTERY WITH AN 8 HOUR RUN TIME. CAMERA AND BATTERY GUARANTEED FOR 5 YEARS SHIPPING AND HANDLING INCLUDED IN PRICE	10,699.00	32,097.00
		0.00	0.00

	<b>Total</b>	\$32,097.00
--	--------------	-------------

Town of Franklin  
 Fire Capital Improvement Plan  
 Fiscal Year 2019

Project #	Asset/Project Name	Funding Priority	Life Expectancy	Annual Operating Expenses	Assets/Project Costs
Request #6	New Radio Repeater	1 - Threat to	6 years	\$ 100.00	\$ 50,000.00
Asset/Project Description	<p>Funds requested for this purchase will allow for the installation of a new radio repeater for the northern portion of the Town. We have experienced difficulties in radio transmission in the areas of Lincoln Street and adjoining neighborhoods for some time. However only recently has our call volume in the area increased to the magnitude that creates a noticeable hindrance to overall operations. The ability to maintain two-way communications with dispatch is vital to safe and effective emergency operations. The aging of previously built subdivisions combined with the development of new subdivisions in this area will assure our call volume to the area will increase, thus enhancing the need to provide vital radio coverage in this area.</p>				
		<p><b>Priority Coding</b></p> <ul style="list-style-type: none"> <li>1 - Threat to Citizens or Employees health, safety or property</li> <li>2 - Maintenance - operational necessity</li> <li>3 - Requirement of State or Federal Law or Regulation</li> <li>4 - Improvement of Infrastructure</li> <li>5 - Improved productivity</li> <li>6 - Alleviation of an overtred/overburdened situation</li> </ul>			



	Town of Franklin Fire Capital Improvement Plan Fiscal Year 2019					
Project #	Asset/Project Name	Funding Priority	Life Expectancy	Annual Operating Expenses	Assets/Project Costs	
Request #7	External Chest Compressor	2 - Mainten.	7 years	\$ -	\$ 18,400.00	
Asset/Project Description	<p>Funds (\$15,600) are being requested to purchase on additional automated external chest compression devices for use on the department's fourth ambulance. These devices replace the need to complete manual CPR by the department's paramedics by completing automated manual external chest compressions. The benefit of these devices is two-fold. First, the automated devices have been shown to provide better quality, more consistent external chest compressions than manual CPR. Next it frees on-scene personnel to complete other necessary tasks more quickly which enable the department to enhance arrival times at the hospital.</p>					

**Priority Coding**

- 1 - Threat to Citizens or Employees health, safety or property
- 2 - Maintenance - operational necessity
- 3 - Requirement of State or Federal Law or Regulation
- 4 - Improvement of Infrastructure
- 5 - Improved productivity
- 6 - Alleviation of an overt/overburdened situation

In addition this amount ( \$ 2,750) will allow the department to purchase hard storage cases and spare batteries for the existing units. Hard cases are new to the market and will provide a higher level of protection for the devices while stored and transported. Batteries will be used to replace batteries originally purchased in 2013.



**Physio-Control, Inc**  
 11811 Willows Road NE  
 P.O. Box 97006  
 Redmond, WA 98073-9706 U.S.A.  
 www.physio-control.com  
 tel 800.442.1142  
 Sales Order fax 800.732.0956  
 Service Plan fax 800.772.3340

**To** FRANKLIN FD  
 Attn: Jay Mullen, ALS Coordinator  
 40 W CENTRAL ST  
 FRANKLIN, MA 02038  
 (508) 520-4930  
[jmullen@franklin.ma.us](mailto:jmullen@franklin.ma.us)

**Quote Number** 00148131  
**Revision #** 1  
**Created Date** 10/26/2018  
**Sales Consultant** Crystale Perry  
 (401) 255-8876  
[crystale.perry@stryker.com](mailto:crystale.perry@stryker.com)  
**FOB** Destination  
**Terms** All quotes subject to credit approval and the following terms and conditions  
**NET Terms** NET 45

**Contract** State of MA FIR04

**Expiration Date** 1/24/2019

Product	Product Description	Quantity	List Price	Unit Discount	Unit Sales Price	Total Price
99576-000063	LUCAS 3, v3.1 Chest Compression System INCLUDES HARD SHELL CASE, SLIM BACK PLATE, TWO (2) PATIENT STRAPS, (1) STABILIZATION STRAP, (2) SUCTION CUPS, (1) RECHARGEABLE BATTERY, AND INSTRUCTIONS FOR USE WITH EACH DEVICE. The device can connect wirelessly to the LIFENET® System for setup options, post-event report generation and asset management.	1.00	15,950.00	-2,073.50	13,876.50	13,876.50
11576-000060	LUCAS Battery Desk-Top Charger	1.00	1,195.00	-345.00	850.00	850.00
11576-000071	LUCAS Power Supply	1.00	379.00	-90.00	289.00	289.00
11576-000080	LUCAS 3 Battery - Dark Grey - Rechargeable LiPo	1.00	730.00	-208.00	522.00	522.00

Subtotal USD 15,537.50  
 Estimated Tax USD 0.00  
 Estimated Shipping & Handling USD 0.00

Current Sales Tax Rates will be applied at the time of Invoice and tax rate is based on the Ship To location

**Grand Total** USD 15,537.50

**Pricing Summary Totals**  
 List Price Total USD 18,254.00  
 Total Contract Discounts Amount USD -643.00  
 Total Discount USD -2,073.50  
 Trade In Discounts USD 0.00



Physio-Control, Inc  
 11811 Willows Road NE  
 P.O. Box 97006  
 Redmond, WA 98073-9706 U.S.A.  
 www.physio-control.com  
 tel 800.442.1142  
 Sales Order fax 800.732.0956  
 Service Plan fax 800.772.3340

To FRANKLIN FD  
 Attn: Jay Mullen, ALS Coordinator  
 40 W CENTRAL ST  
 FRANKLIN, MA 02038  
 (508) 520-4930  
[jmullen@franklin.ma.us](mailto:jmullen@franklin.ma.us)

Quote Number 00148133  
 Revision # 1  
 Created Date 10/26/2018  
 Sales Consultant Crystale Perry  
 (401) 255-8876  
[crystale.perry@stryker.com](mailto:crystale.perry@stryker.com)  
 FOB Destination  
 Terms All quotes subject to credit approval and the following terms and conditions  
 NET Terms NET 45

Contract State of MA FIR04 Expiration Date 1/24/2019

Product	Product Description	Quantity	List Price	Unit Discount	Unit Sales Price	Total Price
11576-000060	LUCAS Battery Desk-Top Charger	2.00	1,195.00	-345.00	850.00	1,700.00
11576-000081	LUCAS Carrying Case, Hard Shell	3.00	459.00	-76.00	383.00	1,149.00

Subtotal USD 2,849.00  
 Estimated Tax USD 0.00  
 Estimated Shipping & Handling USD 0.00

Current Sales Tax Rates will be applied at the time of Invoice and tax rate is based on the Ship To location

Grand Total USD 2,849.00

**Pricing Summary Totals**  
 List Price Total USD 3,767.00  
 Total Contract Discounts Amount USD -918.00  
 Total Discount USD 0.00  
 Trade In Discounts USD 0.00  
 Tax + S&H USD 0.00

**GRAND TOTAL FOR THIS QUOTE**  
 USD 2,849.00







Town of Franklin Police Capital Improvement Plan Fiscal Year 2019						
Project #	Asset/ Project Name	Funding Priority	Life Expectancy	Annual Operating Expenses	Assets/Project Costs	
Request #1	POLICE VEHICLES	1 - Threat to Cit	4-6 years	\$ -	\$ 261,491.00	
Request #2	PROTECTIVE BODY ARMOR (7)	1 - Threat to Cit	5 years	\$ -	\$ 12,500.00	
Request #3	PORTABLE RADIOS (20)	2 - Maintenance	6 years	\$ -	\$ 72,000.00	
Request #4	COMMUNICATIONS SYSTEM (TWO-WAY RADIO)	4 - Improver	10 years	\$ -	\$ 88,719.00	
Request #5	MESSAGE BOARD / RADAR TRAILER	2 - Maintenance	10 YEARS	\$ -	\$ 16,950.00	
Request #6	CAMERA EQUIPMENT	2 - Maintenance	5 years	\$ -	\$ 6,000.00	
Request #8			years	\$ -	\$ -	
Request #9			years	\$ -	\$ -	
Request #10			years	\$ -	\$ -	
<b>Total Capital Improvement Request</b>					<b>\$ 457,660.00</b>	
<b>Priority Coding</b>						
1 - Threat to Citizens or Employees health, safety or property						
2 - Maintenance - operational necessity						
3 - Requirement of State or Federal Law or Regulation						
4 - Improvement of Infrastructure						
5 - Improved productivity						
6 - Alleviation of an overtred/overburdened situation						



1001

Supplier	Quote in hand	614	615	621	624
MHQ	Yes	\$53,164.63	\$53,164.63	\$44,595.86	\$53,164.63
Patrol PC	Yes	\$2,320.98	\$2,320.98		\$5,791.00
Voorhees' Radio	Yes	\$3,430.68	\$3,430.68	\$4,344.00	\$3,430.68
Municipal Graphics	Yes	\$795.00	\$795.00		\$795.00
Interstate Arms	Yes	\$1,636.40	\$1,636.40	\$1,636.40	\$1,636.40
Total:		\$61,347.69	\$61,347.69	\$50,576.26	\$64,817.71
		<b>Grand Total \$238,089.35</b>			

10/29/2018



QUOTE

621 MAD

**CUSTOMER**

Contact Name Chief Tom Lynch & Sgt. Brian Johnston Date: 10/22/2018  
 Company/Dept Franklin Police Department Valid For: 9/30/2019  
 Street Address 911 Panther Way Customer #: \_\_\_\_\_  
 City, State, Zip Franklin MA, 02038 Contract: GBPC  
 Phone: 508-440-2728 508-440-\_\_\_\_\_ Sales Rep: P.Leon  
 Email: tylynch@franklinpolice.com & bjohnson@franklinpolice.com

**VEHICLE:**

CONTRACT LINE REFERENCE	LINE DESCRIPTION	UNIT PRICE	QTY.	EXTENDED PRICE
	2019 Ford Interceptor Utility PI (Shadow B	\$ 28,975.00	1	\$ 28,975.00
	Pre-drilled front headlamps	\$ 122.50	1	\$ 122.50
	Dark car feature	\$ 19.60	1	\$ 19.60
	Aluminum Wheels	\$ 465.50	1	\$ 465.50
	Reverse sensing	\$ 269.50	1	\$ 269.50
	Heated mirrors	\$ 58.80	1	\$ 58.20
	Sync Voice Activation	\$ 289.10	1	\$ 289.10
	Interior Group Package	\$ 382.20	1	\$ 382.20
	Front Aux Led Lights	\$ 539.00	1	\$ 539.00
	VSO Aux Lights B/B	\$ 153.86	1	\$ 153.26
	Pre-wire grille and speaker	\$ 49.00	1	\$ 49.00
	Fleet key 1284X	\$ 49.00	1	\$ 49.00
				\$ -
<b>VEHICLE TOTAL:</b>				<b>\$31,371.86</b>

**EQUIPMENT:**

CONTRACT LINE REFERENCE	LINE DESCRIPTION	UNIT PRICE	QTY.	EXTENDED PRICE
	Vent Shades F/R	\$ 95.00	1	\$ 95.00
	Tint windows Front only 35%	\$ 195.00	1	\$ 195.00
	Remote starter with keyless entry	\$ 395.00	1	\$ 395.00
	Install customer supplied radio	\$ 225.00	1	\$ 225.00
	Federal Signal (2) MPS650BW lower grille	\$ 325.00	1	\$ 325.00
	Federal Signal (2) MPS350BR upper grille	\$ 225.00	1	\$ 225.00
	Federal Signal LS SpectraLux B/W R/W	\$ 1,095.00	1	\$ 1,095.00
	Federal Signal (8) Lamp rear inside hatch	\$ 995.00	1	\$ 995.00
	Federal Signal (2) MPS650BW rear side	\$ 325.00	1	\$ 325.00
	Whelen UHF2150 head lamp flashers	\$ 95.00	1	\$ 95.00
	Federal Signal (2) MPS652-BW front corner	\$ 325.00	1	\$ 325.00
	Nova Microdash preemption emitter	\$ 240.00	1	\$ 240.00
	Federal Signal Rumbler	\$ 695.00	1	\$ 695.00
	Charge Guard	\$ 100.00	1	\$ 100.00
	Federal Signal (4) rear hideaways 416900-	\$ 450.00	1	\$ 450.00
	Federal Signal 650 Undecover siren	\$ 475.00	1	\$ 475.00
	Federal Signal ES100 speaker (grille)	\$ 220.00	1	\$ 220.00
	Sound Off (2) 3x7 rear dome lights	\$ 65.00	2	\$ 130.00
	Pro-gard rear single draw box	\$ 2,195.00	1	\$ 2,195.00
	Tremco anti theft switch	\$ 175.00	1	\$ 175.00



614-615-624



# QUOTE

## CUSTOMER

Contact Name:	Chief Tom Lynch & Sgt. Brian Johnson	Date:	10/29/2018
Company/Dept:	Franklin Police Department	Valid For:	9/30/2019
Street Address:	911 Panther Way	Customer #:	
City, State, Zip:	Franklin MA. 02038	Contract:	GBPC
Phone:	508-440-2710      508-440-2728	Sales Rep:	P.Leon
Email:	tlynch@franklinpolice.com & bjohnson@franklinpolice.com		

## VEHICLE:

CONTRACT LINE REFERENCE	LINE DESCRIPTION	UNIT PRICE	QTY.	EXTENDED PRICE
	2019 Ford Utility Pl	\$ 28,975.00	3	\$ 86,925.00
	Driver side spot light	\$ 210.70	3	\$ 632.10
	Pre-drilled head lamp housings	\$ 122.50	3	\$ 367.50
	Heated Side Mirrors	\$ 58.80	3	\$ 176.40
	Reverse Sensing	\$ 269.50	3	\$ 808.50
	Sync Voice Activation	\$ 289.10	3	\$ 867.30
	Rear Lock Rods and Plungers	\$ 156.80	3	\$ 470.40
	Rear Power Window Delete	\$ 24.50	3	\$ 73.50
	Dark Car Feature	\$ 19.60	3	\$ 58.80
				\$ -
				\$ -
<b>VEHICLE TOTAL:</b>				<b>\$ 90,379.50</b>

## EQUIPMENT:

CONTRACT LINE REFERENCE	LINE DESCRIPTION	UNIT PRICE	QTY.	EXTENDED PRICE
	Paint roof & 4 doors white	\$ 795.00	3	\$ 2,385.00
	Fleet key (1284x)	\$ 195.00	3	\$ 585.00
	Window vent shades	\$ 95.00	3	\$ 285.00
	Tint front windows 35%	\$ 195.00	3	\$ 585.00
	Install customer supplied 2-way radios	\$ 225.00	3	\$ 675.00
	SoundOff 3x7 (2) led hatch lights	\$ 65.00	6	\$ 390.00
	Federal Signal Valor Dual Color SS2000 Smart Sir	\$ 3,195.00	3	\$ 9,585.00
	Front B/W Rear R/RA/RA/RA/BA/BA/BA/BA/A/E		3	\$ -
	Federal Signal 795H-EXT P Infrared Pre-emption	\$ 1,450.00	3	\$ 4,350.00
	Federal Signal side mirror beams	\$ 395.00	3	\$ 1,185.00
	Whelen UHF2150A head lamp flashers	\$ 95.00	3	\$ 285.00
	Federal Signal (6) Lamp Rear outer Spoiler light	\$ 995.00	3	\$ 2,985.00



	Blue/Red/Blue/Blue/Amber/Blue	\$ -	3	\$ -
	Federal Signal (2) Micro Pulse front corners B/W	\$ 325.00	3	\$ 975.00
	Federal Signal (2) rear hideaways 416900-BW	\$ 225.00	3	\$ 675.00
	Federal Signal Rumbler	\$ 695.00	3	\$ 2,085.00
	Full length steel center console	\$ 475.00	3	\$ 1,425.00
	Triple auxiliary outlet	\$ 75.00	3	\$ 225.00
	Dual cup holder	\$ 45.00	3	\$ 135.00
	Charge Guard for computer system	\$ 100.00	3	\$ 300.00
	Pro-gard Pro-Cell	\$ 2,395.00	2	\$ 4,790.00
	Setina Blac-rack	\$ 735.00	3	\$ 2,205.00
	Transfer single cage	\$ 325.00	1	\$ 325.00
	Tremco anti theft switch	\$ 175.00	3	\$ 525.00
	Federal Signal PBX-05 Push bumper w/ 4 channel	\$ 540.00	3	\$ 1,620.00
	Federal Signal (2) IPX620-RW and (2) IPX620-BW	\$ 350.00	6	\$ 2,100.00
	Federal Signal (2) MPS-1200U-BR side push lights	\$ 325.00	3	\$ 975.00
	Kustom Signal Raptor KA Band Dual Antenna	\$ 2,150.00	3	\$ 6,450.00
	Federal Signal ES100 siren speaker	\$ 220.00	3	\$ 660.00
	Setina Cargo Box TK0233ITU12	\$ 1,210.00	3	\$ 3,630.00
	Setina Electronic Tray	\$ 445.00	3	\$ 1,335.00
	Shop Supplies	\$ 295.00	3	\$ 885.00
NOTE	Estimated 10% budget increase for 2020 model Yr.			\$ 14,499.40
				\$ -
				\$ -
<b>EQUIPMENT TOTAL:</b>				<b>\$ 69,114.40</b>

<b>VEHICLE &amp; EQUIPMENT GRAND TOTAL</b>	<b>\$ 159,493.90</b>
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#### TERMS AND CONDITIONS

\*This quote is valid for 60 days. Any purchase orders or approved quotes received outside of this date will be subject to price adjustments. By signing this quote, the customer is agreeing to pay, in full, for all items listed above. Any requests for changes, modifications, replacements, removals or additional items may be subject to additional fees and/or adjusted delivery dates.

M.G.L. c.30B applies to the procurement of all commodities quoted. Greater Boston Police Council contract items have been collectively purchased pursuant to M.G.L. c.30B sec. 1c and M.G.L. c.7 sec. 22B. The governmental body is responsible to determine the applicability of M.G.L. c.30B to off contract items, including, but not limited to off contract items that have already been properly procured under M.G.L. c.30B sec. 1c and M.G.L. c.7 sec. 22A (purchases from a vendor on a contract with the Commonwealth), other contracts procured under M.G.L. c.30B sec. 1c and M.G.L. c.7 sec. 22B, or any M.G.L. c.30B contract between the vendor and the jurisdiction. All off contract items must be procured under M.G.L. c.30B.

The terms and conditions stated herein and the provisions of any agreement between MHQ and Buyer, if applicable, shall constitute the complete and only terms and conditions applicable to any and all purchases by Buyer from MHQ. Any additional and/or different terms and/or conditions printed anywhere including on, or with, Buyer's order shall be inapplicable in regard to any purchase by Buyer from MHQ.

IMPORTANT NOTE: Pricing shown requires membership into referenced contract.

\*\*Denotes non-contract item.

#### ORDER ACKNOWLEDGEMENT

**By signing this document you are agreeing to the above terms and conditions of this order from MHQ, Inc.**

*PATRICK  
PC*

To: Franklin Police Department  
 911 Panther Way, Franklin, MA 02038

Attn: Brian Johnson

Rep	Job	Shipping Method	Shipping Terms	Delivery Date	Terms	Due Date
Ryan G		UPS	FOB North Attleboro		Net 30 Days	

Qty	Item #	Description	Unit Price	Line Total
1	PPC-R117-G5-V-FM	Police PC@ Core i7 8th Gen Intel Generation 5 FIXED MOUNTED COMPUTER featuring Portacape™ mounting - 15.1" Sunlight Readable Display - 1200NITS+, Projected Capacitive Touch Screen, Core i5-8300U 8th Gen 2.3-2.7GHz 31MB Cache, 2 core, HD5300 graphics, removable 120 GB SSD, 8 GB DDR3-1600 RAM, 1to OS, 1 10/100/1G Ethernet, 2 USB 3.0, 3 USB 2.0, microHDMI/L 2 Mini-PCIe hot swap slots, Ambient Light Sensor, 10 AMP xx II Fused Power Cable, 3yr Warranty	\$ 3,545.00	\$ 3,545.00
<b>Upgrades:</b>				
1	OS-W10E1164-RT-G5	Windows 10 Enterprise 64 Bit Operating System for RT-G5 w/ CBB license	\$ 209.00	\$ 209.00
1	PPC-802-GB1	Internal Wireless 802.11 2.45GHz B/G/N + Bluetooth w/external antenna	\$ 139.00	\$ 139.00
1	R11-RAM-8GB	8GB RAM with computer purchase	NC	11C
1	PPC-SSD-1240	Upgrade from 120GB to 240GB SATA III SSD (Solid State Hard Drive)	NC	11C
1	RT-CELL-VER	Internal Verizon 4G LTE Cellular Modem with 2 SMA Jack for external antenna (not with express card slot)	\$ 445.00	\$ 445.00
<b>Keyboard</b>				
1	K80-1G3-BIT-X3818	1G3 K80-BIT-X3818 62 Backlit Red Illuminated Keyboard with touchpad / Corded Cord - 3 Year manufacturer's warranty	\$ 230.00	\$ 230.00
<b>Cellular Upgrade</b>				
2	Cell-Ver-4G-CH-UPG	Verizon 4G Cellular Upgrade - Core-i with jacks in connector bay (parts and labor)	\$ 612.00	\$ 1,224.00
3	AP-CC-Q-522	Antenna Fks - MWO LTE/Cellular/PCS Combo Antenna - Threaded Bolt Mount, Omni-Directional 3dB Gain, [2] SMA Male, Black/White - 1 year manufacturer's warranty	\$ 129.00	\$ 387.00
3	PPC-Ship-Antenna	Common Carrier Ground Shipping for Antenna	\$ 15.00	\$ 45.00
<b>Mount + Install</b>				
3	IM-S126-FIU-19-COMBO	OH-DASH MOUNT with Single Arm / Double Pivotal and G.R.I.P. III/Swivel for Display/Tablet and Keyboard Mount with Double Arm and G.R.I.P. III/Swivel for FORD POLICE INTERCEPTOR UTILITY (Specify Year of Vehicle) (Must Provide Console Make and Model) (IM-S126-FIU/AP-S120-PPC)	\$ 537.00	\$ 1,611.00
3	PPC-Ship-Mount	Common Carrier Ground Shipping for mount	\$ 42.00	\$ 126.00
3	PPC-Inst-Antenna	Antenna Install	\$ 100.00	\$ 300.00
3	PPC-Inst	Computer/Mount Install	\$ 400.00	\$ 1,200.00
2	PPC-Uninst	Computer/Mount Uninstall	\$ 150.00	\$ 300.00
3	Price Protection	5% price protection	\$ 176.65	\$ 529.95

Quotation prepared by: Ryan Gonzalez

Total Discount

Subtotal \$ 10,290.95

Legal balance is due in 1.5% interest per month

Shipping Cost \$ 142.00

Total \$ 10,432.95

Printed Name:

Rank:

Date of Approval:

With a matching purchase order be issued for this order

YES	NO

Signature of Approval



**MOTOROLA SOLUTIONS**

Quote Number: QU0000457110  
Effective: 29 OCT 2018  
Effective To: 28 DEC 2018

RADIO

**Bill-To:**

FRANKLIN POLICE DEPT  
911 PANTHER WAY  
FRANKLIN, MA 02038  
United States

**Ultimate Destination:**

FRANKLIN POLICE DEPT  
911 PANTHER WAY  
FRANKLIN, MA 02038  
United States

**Attention:**

Name: Brian Johnson  
Phone: 508 528 1212

**Sales Contact:**

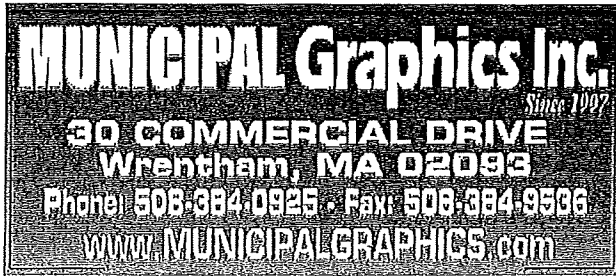
Name: George Voorhees  
Email: gvoor@bellatlantic.net  
Phone: 5088811503

Contract Number: ITT57 MA STATE  
Freight terms: FOB Destination  
Payment terms: Net 45

Item	Qty	Nomenclature	Description	List price	Your price	Extended Price
1	3	M25SSS9PW1AN	APX6500 UHF R2 MID POWER	\$4,461.00	\$3,430.68	\$10,292.04
(Notes)cruiser radio						
1a	3	G442AJ	ADD: O5 CONTROL HEAD			
1b	3	G67BC	ADD: REMOTE MOUNT MID POWER			
1c	3	W22BA	ADD: STD PALM MICROPHONE APX			
1d	3	G78AT	ADD: 3Y ESSENTIAL SERVICE			
1e	3	W969BG	ADD: MULTIPLE KEY ENCRYPTION OPERATION			
1f	3	G444AE	ADD: APX CONTROL HEAD SOFTWARE			
1g	3	G490AD	ADD: ANT 1/4 WAVE 470-512 MHZ			
1h	3	B18CR	ADD: AUXILARY SPKR 7.5 WATT			
1i	3	GA00235AA	ADD: NO GPS ANTENNA NEEDED			
1j	3	Q811BS	DIGITAL CONVENTIONAL			
2	1	M25SSS9PW1AN	APX6500 UHF R2 MID POWER	\$5,268.00	\$4,044.00	\$4,044.00
(Notes)handheld control head						
2a	1	G72AD	ADD: APX O3 HANDHELD CH			
2b	1	G67BB	ADD: REMOTE MOUNT MID POWER			
2c	1	G90AC	ADD: NO MICROPHONE NEEDED			
2d	1	G78AT	ADD: 3Y ESSENTIAL SERVICE			
2e	1	W969BG	ADD: MULTIPLE KEY ENCRYPTION OPERATION			
2f	1	G806BE	ADD: ASTRO DIGITAL CAI OPERATION			
2g	1	G444AE	ADD: APX CONTROL HEAD SOFTWARE			
2h	1	G490AD	ADD: ANT 1/4 WAVE 470-512 MHZ			
2i	1	B18CR	ADD: AUXILARY SPKR 7.5 WATT			
2j	1	GA00235AA	ADD: NO GPS ANTENNA NEEDED			
2k	1	G48BD	ENH: CONVENTIONAL OPERATION APX6500			
3	300	SVC03SVC0115D	SUBSCRIBER PROGRAMMING	\$1.00	\$1.00	\$300.00

**Total Quote in USD**

**\$14,636.04**



*G-RAPhics*

**Estimate #11757**

**10/29/2018**

**Prepared For:**  
 FRANKLIN PD  
 T.J. LYNCH  
 911 PANTHER WAY  
 FRANKLIN, MA 02038

Phone: 508-528-1212      Fax: 508-520-7950  
 Alt. Phone:  
 E-Mail: tlynch@franklinpolice.com

**Prepared By:**  
 CHRIS  
 Municipal Graphics Inc  
 30 Commercial Drive  
 Wrentham, MA 02093  
 USA

Phone: 5083840925      Fax: 508-384-9536  
 Alt. Phone:  
 E-Mail: chris@municipalgraphics.com

**Description:**  
 2 MARKED CRUISERS

Estimated time for production: 1 working days

Quantity	Description	Each	Total	Taxable
3	GRAPHIC PACKAGES FOR 2 MARKED CRUISERS FOR 2019. SAME SPECIFICATIONS AS PRIOR YEARS.	795.00	\$2,385.00	✓
			Subtotal	\$2,385.00
			Sales Tax	\$0.00
			<b>Total</b>	<b>\$2,385.00</b>

**Terms:**

Payment due on receipt of invoice

By my signature, I authorize work to begin and agree to pay the above amount in full according to the terms on this agreement.

Signed by	Date	Amt. Paid Today
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RJA  
QUOTE

6 Dunham Road • Billerica, MA 01821  
 TEL: (978) 667-7060 ~ (800) 243-3006  
 FAX: (978) 671-0023 [COMMERICAL SALES]  
 FAX: (978)-667-1350 [LE SALES]  
 www.interstatearms.com

Bill To: 84777  
 FRANKLIN POLICE DEPT  
 911 PANTHER WAY  
 FRANKLIN, MA 02038

Ship To  
 FRANKLIN POLICE DEPT  
 911 PANTHER WAY  
 FRANKLIN, MA 02038

Order #	612872-00
Page #	1
UPC Vndr	000000
Ship Point	INTERSTATE ARMS CORP-WHSE 1
Via	BEST WAY
Terms	PD NET 15
Entered	10/18/18
P/O	
Picked	
Shipped	
Printed	10/26/18 12:52

Taken By	JAO	Sales In	JAO	Sales out	PD	Placed by	Customer P/O	AGENCY QUOTE REQUEST
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Instructions  
 ROBERT MACQUIRRIE

Ln#	Product And Description	UPC Item#	Quantity Ordered	Quantity B.O.	Quantity Shipped	Qty. UM	Unit Price	Price UM	Discount Multiplier	Amount (Net)
Agency Contact: ROBERT MACQUIRRIE 617-359-5258 BOBMACQUARRIE@GMAIL.COM Pricing is for FET exempt agency purchase only. Pricing on non-firearms is quantity dependent. Freight is an estimate and will be adjusted at time of invoicing. Quote is valid for 30 days. Quote provided by Janice Olson,, Janice@interstatearms.com										
1	DS-R16M4LHRFT WIND RIF M4A3 16" M4 FLATTOP FET OUT **DIRECT ORDER ** ***** PRICE INCLUDES MAGP ASAP AMBI SLING ADAPTER	00000	4			DROP EA	699.50	EA	0.00	2798.00
2	MAG424BLK MAGP ACC MOE CARBINE HANDGUARD BLACK	00000	4			EA	24.75	EA	0.00	99.00
3	MAG481BLK MAGP STOCK MOE FIXED CARBINE - BLACK	00000	4			EA	24.75	EA	0.00	99.00
4	MAG413BLK MAGP ACC MOE VERTICAL GRIP - BLACK	00000	4			EA	15.75	EA	0.00	63.00
6	MAG581BLK MAGP ACC M-LOK ALUMINUM RAIL SECTION 5 SLOT	00000	4			EA	14.50	EA	0.00	58.00
7	200073 AIMP SGT MICRO TI 2MOA W/LRP MNT & 39MM SPACER	00000	4			EA	676.95	EA	0.00	2707.80
8	70GS15BK BLAC SLING STORM SINGLE POINT QD	00000	4			EA	17.50	EA	0.00	70.00
9	69219 STRE LIGHT TLR-1 HPL RIF KIT SAFE OFF REMOTE	00000	4			EA	143.95	EA	0.00	575.80
8 Lines Total									Total	6470.60
									Freight Out	75.00
									Invoice Total	6545.60



## Seacoast Harley-Davidson

P.O. Box 1740 • 17 Lafayette Road (US Route 1)  
North Hampton, New Hampshire 03862  
Tel: (603) 964-9959 Fax: (603) 964-9942  
www.seacoastharley.com



August 8, 2018

Sgt. William Brigham  
Franklin Police Dept.  
w.brigham@franklinma.gov

1) 2019 H-D FLHTP color White	\$17,800.00
2) Havis Rear LED Box	2,200.00
3) PAR36 LED's	325.00
4) Windshield LED	630.00
5) Radio	1,000.00
6) Labor to transfer Dept Siren/Amp, Radio and P.T.T.	<u>500.00</u>

Total : \$22,455.00

Trade Value for Department 2004 FLHTP - \$3,500.00

For Black & White motorcycle, add \$550.00

We have 2014-2016 motorcycles off lease for \$12,000.00 - \$14,000.00

Price is for any color available.

Thank you,

Phil Miles

*Live Free and Ride™*

**MUNICIPAL Graphics Inc.**  
Since 1997  
**30 COMMERCIAL DRIVE**  
**Wrentham, MA 02093**  
 Phone: 508-384-0925 · Fax: 508-384-9536  
 www.MUNICIPALGRAPHICS.com

**Estimate #11865**

**8/28/2018**

<b>Prepared For:</b> FRANKLIN PD T.J. LYNCH 911 PANTHER WAY FRANKLIN, MA 02038  Phone: 508-528-1212      Fax: 508-520-7950 Alt. Phone: E-Mail: tlynch@franklinpolice.com	<b>Prepared By:</b> CHRIS Municipal Graphics Inc 30 Commercial Drive Wrentham, MA 02093 USA Phone: 5083840925      Fax: 508-384-9536 Alt. Phone: E-Mail: chris@municipalgraphics.com
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**Description:**  
 NEW MOTORCYCLE  
**Estimated time for production:** 1 working days

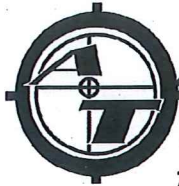
Quantity	Description	Each	Total	Taxable
1	DESIGN, MANUFACTURE AND APPLY GRAPHICS TO NEW MOTOR CYCLE. DESIGN, MAY CHANGE TO ALTERNATIVE COLORS, BUT PRICE WILL NOT BE AFFECTED.	395.00	\$395.00	✓
		Subtotal	\$395.00	
		Sales Tax	\$0.00	
		<b>Total</b>	<b>\$395.00</b>	

**Terms:**  
 Payment due on receipt of invoice  
 By my signature, I authorize work to begin and agree to pay the above amount in full according to the terms on this agreement.

<b>Signed by</b>	<b>Date</b>	<b>Amt. Paid Today</b>
------------------	-------------	------------------------







**ATLANTIC TACTICAL™**  
**OUTFITTING AMERICA'S HEROES**  
 763 Corporate Circle • New Cumberland, PA 17070  
 717-774-3339 • 800-781-2677 • FAX 717-774-4463  
 www.AtlanticTactical.com

S SOFT BODY ARMOR

SALES QUOTE	
SQ-80564355	10/23/2018



Customer		Contact	Ship To			
Franklin Police Dept. Kevin Ryan 911 Panther Way FRANKLIN MA 02038 Tel: (508)-440-2721, (508)-440-2726 Fax: (508)-520-4747			Franklin Police Dept. James West 911 Panther Way FRANKLIN MA 02038 Tel: (508)-440-2726, (508)-440-2726 Fax: (508)-520-4747			
Account	Terms	Due Date	Account Rep	Schedule Date		
311331	NET 30	11/22/2018	Lenny Smith	10/23/2018		
Quotation	PO #	Reference	Ship VIA	Page	Printed	
SQ-80564355	West	QFPD-102318-	FDX G Ground	1	10/23/2018 9:07:38 AM	
L Item	Description	Qty	Price	UM	Discount	Amount
1	This quote is for Lt. Jim West					
2						
3	QUOTE-SAFMASC	1	\$0.00	EA		\$0.00
4	MASS STATE ARMOR/EQUIP FIR04 -SAF					
5	Safariland SX02-II-M	5	\$684.00	EA		\$3,420.00
6						
7	F1H-MA-NV	10	\$68.40	EA		\$684.00
8	Safariland M1 Concealable Carrier-					
9	887-5X8	5	\$68.40	EA		\$342.00
10	Protech IMPAC-HT Special Threat					
11	SHIPPING/HANDLING	1	\$0.00	EA		\$0.00
Thank you for giving us the opportunity to quote on your request. Please reference the above quote number when placing your order. If you have any questions or additional quotes needed, please contact the Sales Representative shown on this form or email quotes@atlantictactical.com. We appreciate your business!		<b>Tax Details</b> EXEMPT \$0.000		<b>Taxable</b> XXXXXXXXXXXXXXX		\$0.00
		<b>Payment Details</b> 01/01/00 No Payment History		<b>Total Tax</b>		\$0.00
				<b>Exempt</b>		\$4,446.00
				<b>Total</b>		\$4,446.00
				<b>Balance</b>		\$4,446.00



# Quote Request

763 Corporate Circle  
 New Cumberland, PA 17070  
 Phone (603) 361-1932

StateBid #

Delivery Type	Date

[jim.berry@atlantictactical.com](mailto:jim.berry@atlantictactical.com)

DATE: 10/23/18		CUSTOMER ORDER #:		
SHIP TO:		TAX EXEMPT NO:		
TO: Jim West	03801 SALES PERSON: Jim Berry			
COMPANY: Franklin Police Dpet				
STREET: 911 Panther Way				
CITY: Franklin, Ma				
ZIP:				
PHONE NO:				
STOCK NO:	DESCRIPTION:	QUANTITY	UNIT PRICE	TOTAL
TAC Grn	FAV Advanced Webless System Vest, Hardwire IIIA 74	1	\$1,590.30	\$1,590.30
	*Front/Back/6" X 10" Side/Shoulder Protection Included		\$0.00	\$0.00
	FAV Collar, Hardwire 74 IIIA	1	\$153.90	\$153.90
	Upper Arm Set - Short, Hardwire 74, IIIA	1	\$279.30	\$279.30
	Standard Groin ,Hardwire 74, IIIA	1	\$176.70	\$176.70
	Throat, Hardwire 74, IIIA	1	\$99.75	\$99.75
	Set of Six Pouches	1	\$188.10	\$188.10
	ID Patches (1) Large, (1) Sml "POLICE" Wht/Tac Grn	1	\$11.40	\$11.40
	Delta 5 Full-Cut w/Team Wendy, Rails, NVG Shroud & Velcro, Xlarge, Tactical Green	1	\$1,094.70	\$1,094.70
2113MC-3	Poly 10x12 Stand Alone level III Rifle plate	1	\$0.00	\$0.00
		<b>TOTAL</b>	<b>\$427.50</b>	<b>\$4,021.65</b>

All prices Quoted, Valid for 30 days unless otherwise specified

2 SWAT VESTS

QUOTE IS FOR ONE (NEED TWO (2))  
 \$8,044.00







Quote Number: QU0000447227  
 Effective: 24 JUL 2018  
 Effective To: 22 SEP 2018

**Bill-To:**

FRANKLIN POLICE DEPT  
 911 PANTHER WAY  
 FRANKLIN, MA 02038  
 United States

**Ultimate Destination:**

FRANKLIN POLICE DEPT  
 911 PANTHER WAY  
 FRANKLIN, MA 02038  
 United States

**Attention:**

Name: Brian Johnson  
 Phone: 508 528 1212

**Sales Contact:**

Name: George Voorhees  
 Email: gvoor@bellatlantic.net  
 Phone: 5088811503

Contract Number: ITT57 MA STATE  
 Freight terms: FOB Destination  
 Payment terms: Net 45

Item	Quantity	Nomenclature	Description	List price	Your price	Extended Price
1	20	H98SDF9PW6BN	APX6000 UHF R2 MODEL 2.5 PORTABLE	\$4,261.00	\$3,259.96	\$65,199.20
1a	20	H885BK	ADD: 3Y ESSENTIAL SERVICE			
1b	20	QA05575AA	ALT: LI-ION IMPRES 2 4500 MAH UL/CSA (NNTN8921A)			
1c	20	H869BZ	ENH: MULTIKY			
1d	20	Q811BP	ENH: LI DIGITAL CONVENTIONAL			
2	20	NNTN8860A	CHARGER, SINGLE-UNIT, IMPRES 2, 3A, 115VAC, US/NA	\$150.00	\$103.50	\$2,070.00
3	900	SVC03SVC0115D	SUBSCRIBER PROGRAMMING	\$1.00	\$1.00	\$900.00
4	20	NNTN8921A	BATT IMPRES 2 LIION TIA4950 R IP68 4500T	\$177.00	\$122.13	\$2,442.60
5	20	PMMN4084A	PLUS RSM NC IP54 THRD 3.5MM JACK RX	\$95.00	\$65.55	\$1,311.00

Total Quote in USD

\$71,922.80

1. Terms subject to ITT57 as modified by the clarifications and terms/conditions. For a full list of terms/conditions please contact you Motorola representative.

2. PO Issued to Motorola Solutions Inc. must:

- >Be a valid Purchase Order (PO)/Contract/Notice to Proceed on Company Letterhead. Note: Purchase Requisitions cannot be accepted
- >Have a PO Number/Contract Number & Date
- >Identify "Motorola Solutions Inc." as the Vendor
- >Have Payment Terms or Contract Number
- >Be issued in the Legal Entity's Name
- >Include a Bill-To Address with a Contact Name and Phone Number
- >Include a Ship-To Address with a Contact Name and Phone Number
- >Include an Ultimate Address (only if different than the Ship-To)
- >Be Greater than or Equal to the Value of the Order
- >Be in a Non-Editable Format
- >Identify Tax Exemption Status (where applicable)
- >Include a Signature (as Required)

**C. 71 § 37R Two-way Communications**

(a) As used in this section the following words shall have the following meanings, unless the context clearly requires otherwise:-

"School", a school administered by a school department of a city or town or regional school district, a county agricultural school, a commonwealth charter school or Horace Mann charter school established pursuant to section 89 or an educational collaborative established pursuant to section 4E of chapter 40.

"Two-way communication device", a device capable of transmitting, conveying or routing real-time, 2-way voice communications through radio frequency.

(b) Every school shall, subject to appropriation, possess and have access to a two-way communication device to be used solely for communicating with police and fire departments of the city or town where the school is located during an emergency situation.

(c) No public employer shall be liable for injury, loss of property, personal injury or death caused by an act or omission of a public employee while acting in the scope of the public employee's employment and arising out of the implementation of this section. This section shall not be construed as creating or imposing a specific duty of care.



## FRANKLIN POLICE DEPARTMENT

Thomas J. Lynch, Chief of Police  
James A. Mill, Deputy Chief of Police  
911 Panther Way, Franklin, MA 02038  
Telephone: (508) 528-1212  
Fax: (508) 520-7950  
www.franklinpolice.com

To: Chief Lynch  
Cc: Deputy Chief Mill, Lieutenant Ryan  
From: Sergeant Johnson  
Date: October 22, 2018  
RE: Capital Radio Upgrade Requests

---

Chief,

We should request \$88,718.07 in radio system infrastructure upgrades this capital session. This number is down from the original number you received, and reflects current thinking of implementation. This is a multifaceted project that includes replacing aging equipment as well as redistributing our resources. We have chosen to accomplish this in several steps, and anticipate this will take several years to complete. This first budget request will improve our overall operating coverage and efficiency, replace equipment which is going end of life by the manufacturer, and allow us to utilize town owned fiber while decreasing our reliance on Verizon's copper circuit system.

The first phase of the project is to install a new 400 MHz radio repeater for our primary emergency police radio network on top of the Upper Union Street water tower. This location already has existing unused fiber optic connectivity to the Police Department which will allow us to route the radio traffic to and from the repeater over fiber, no longer needing to pay a monthly service fee to Verizon. This phase of the project totals \$50,418.25. Upper Union Street is the highest point in Town, and will serve as our primary transmitting location.

The second phase involves removing a receiver site we have inside the EMC property on Constitution Blvd., and installing a new receiver site for our radio network on the tower located at the Medway Police Department. This new site will give us better coverage on our geographic north end of Town, and will help us gain back some of the coverage we lost when Verizon removed the copper lines going to our repeater which was located at the Populatic Street pumping station. This phase will cost \$38,299.82. This cost includes the equipment and installation from Motorola, and a \$4,000 allowance for a one time purchase of Verizon equipment to allow the Motorola equipment to be carried over their lines. At this time there is no hard quote for that equipment. Verizon needs further technical details from Motorola about the exact type of connection required to specify equipment, but the dollar amount is a solid budgetary number. There is a monthly access fee for this site, but it is being offset by the



## FRANKLIN POLICE DEPARTMENT

Thomas J. Lynch, Chief of Police  
James A. Mill, Deputy Chief of Police  
911 Panther Way, Franklin, MA 02038  
Telephone: (508) 528-1212  
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[www.franklinpolice.com](http://www.franklinpolice.com)

cancellation of the defunct Populatic Street site, and the cancellation of the multiple FDDA (copper) circuits that we are currently paying for at the EMC site.

The future phases of this project which cannot be completed at this time are: installing a new repeater at the Forge Hill site, and removing and installing a new repeater to replace the system currently located at Pigeon Hill. These phases are delayed for separate reasons. There is a plan in the works currently that would bring fiber optic connectivity to the Forge Hill location, hopefully within the next year. This would allow us to move off the Verizon network, and install new equipment to replace aging equipment next year.

This last phase is the most challenging and involves removing our equipment from the private residence it currently is housed in on Longhill Road. While this arrangement has been in place since 1998, it is time to move our equipment to an area which we have control over 24/7, and also allows us to connect to our private fiber network. Discussions have begun with Town Facilities, Technology, and with the Fire Department about finding another location that would offer us comparable coverage, and connectivity. We await those results, but they will not be in for this capital budget cycle.

You will see that the quote from Motorola only includes one repeater, and one receiver. It is my recommendation that we not purchase the second full repeater this year for the Forge Hill location as it will just sit in storage until the fiber is installed. We should implement the new repeater on Upper Union Street and the receiver on the Medway tower this year, and reevaluate where we are next capital cycle for the remainder of the project.





CYBERCOMM INC.

Cyber Communications

65 Holton Street
Woburn MA. 01801
(P)781-647-1010 (F)781-647-5943

jboles@cybercomminc.com

QUOTE



MOTOROLA

Authorized Two-Way Radio Dealer

QUOTE NO. 9202018
DATE September 20, 2018
CUSTOMER ID frkn
EXPIRATION DATE October 20, 2018

TO

Franklin Police Department
911 Panther Way
Franklin, MA. 02038
508-528-1211
bjohnson@franklinpolice.com

Table with columns: SALESPERSON, Customer, Technology, DELIVERY DATE, ITT57 Cost

Phase 1 / Upper Union St. Tank

Main item table with columns: QTY, ITEM #, DESCRIPTION, List Price, Cost, LINE TOTAL

\$31,173.95

Quotation prepared by: \_\_\_\_\_

This is a quotation on the goods named, subject to the conditions noted below:
(Describe any conditions pertaining to these prices and any additional terms of the agreement.
You may want to include contingencies that will affect the quotation.)

To accept this quotation, sign here and return: \_\_\_\_\_

Total

\$31,173.95



CYBERCOMM INC.

Cyber Communications

65 Hollon Street
Woburn MA. 01801
(P)781-647-1010 (F)781-647-5943
jboles@cybercomminc.com

QUOTE



MOTOROLA
Authorized Two-Way
Radio Dealer

QUOTE NO. 9202018T1
DATE September 20, 2018
CUSTOMER ID frkn
EXPIRATION DATE October 20, 2018

TO Sgt. Brian J. Johnson
Franklin Police Department
911 Panther Way
Franklin, MA. 02038
508-528-1211
bjohnson@franklinpolice.com

Table with columns: SALESPERSON, Customer, Technology, DELIVERY DATE, ITT57 Cost

Phase 2 / Medway to Franklin over Leased T-1

Main item table with columns: QTY, ITEM #, DESCRIPTION, List Price, Cost, LINE TOTAL

Quotation prepared by:

This is a quotation on the goods named, subject to the conditions noted below:
(Describe any conditions pertaining to these prices and any additional terms of the agreement.
You may want to include contingencies that will affect the quotation.)

To accept this quotation, sign here and return:

Summary table with Total value of \$28,670.32



Quote Number: QU0000453152  
 Effective: 19 SEP 2018  
 Effective To: 18 NOV 2018

**Bill-To:**  
 FRANKLIN POLICE DEPT  
 911 PANTHER WAY  
 FRANKLIN, MA 02038  
 United States

**Ultimate Destination:**  
 FRANKLIN POLICE DEPT  
 911 PANTHER WAY  
 FRANKLIN, MA 02038  
 United States

**Attention:**  
 Name: Brian Johnson  
 Phone: 508 528 1212

**Sales Contact:**  
 Name: George Voorhees  
 Email: gvoor@bellatlantic.net  
 Phone: 5088811503

**Contract Number:** ITT57 MA STATE  
**Freight terms:** FOB Destination  
**Payment terms:** Net 45

Item	Quantity	Nomenclature	Description	List price	Your price	Extended Price
1	1	T7039A	GTR 8000 Base Radio	-	-	-
1a	1	CA00717AA	ADD: ASTRO SYSTEM RELEASE 7.17	-	-	-
1b	1	X182BZ	ADD: DUPLER, UHF	\$1,380.00	\$1,117.80	\$1,117.80
1c	1	X265AP	ADD: BR PRESELECTOR 380-512 MHZ	\$500.00	\$405.00	\$405.00
1d	1	X676BG	ADD: UHF EXTERNAL DUAL CIRCULATOR (435-494 MHZ)	\$1,500.00	\$1,215.00	\$1,215.00
1e	1	X153AW	ADD: RACK MOUNT HARDWARE	\$50.00	\$40.50	\$40.50
1f	1	X640AL	ADD: UHF R2 (435-524 MHZ)	\$6,300.00	\$5,103.00	\$5,103.00
1g	1	CA01948AA	ADD: CONVENTIONAL SOFTWARE	\$12,500.00	\$10,125.00	\$10,125.00
1h	1	CA01505AA	ADD: ASTRO 25 CONVENTIONAL VOTING SOFT	\$300.00	\$243.00	\$243.00
1i	1	CA01946AA	ADD: CONVENTIONAL MIXED MODE OPERATION	-	-	-
1j	1	CA01951AA	ADD: ANALOG CONVENTIONAL VOTING SOFTWARE	-	-	-
1k	1	CA00975AA	ADD: BATTERY TEMP SENSOR EXTENSION CABLE	\$200.00	\$162.00	\$162.00
2	1	T7540A	GPW 8000 RECEIVER	\$1,000.00	\$810.00	\$810.00
2a	1	X640AN	ADD: UHF R2 (435-524 MHZ)	\$3,200.00	\$2,592.00	\$2,592.00
2b	1	CA01946AB	ADD: CONV MIXED MODE OPERATION	-	-	-
2c	1	X301AR	ADD: QTY 1 GPW 8000 RECEIVER	-	-	-
2d	1	X153AW	ADD: RACK MOUNT HARDWARE	\$50.00	\$40.50	\$40.50
2e	1	CA01948AB	ADD: CONVENTIONAL SOFTWARE R/X ONLY	\$2,000.00	\$1,620.00	\$1,620.00
2f	1	X265AZ	ADD: NARROW PRESELECTOR 470-512 MHZ	\$500.00	\$405.00	\$405.00
2g	1	CA00975AA	ADD: BATTERY TEMP SENSOR EXTENSION CABLE	\$200.00	\$162.00	\$162.00
3	2	THN1012A	RACK 7' FRU	\$555.78	\$416.83	\$833.66

Total Quote in USD

\$24,874.46

1. Terms subject to ITT57 as modified by the clarifications and terms/conditions. For a full list of terms/conditions please contact you Motorola representative.

2. PO Issued to Motorola Solutions Inc. must:

- >Be a valid Purchase Order (PO)/Contract/Notice to Proceed on Company Letterhead. Note: Purchase Requisitions cannot be accepted
- >Have a PO Number/Contract Number & Date
- >Identify "Motorola Solutions Inc." as the Vendor
- >Have Payment Terms or Contract Number
- >Be issued in the Legal Entity's Name
- >Include a Bill-To Address with a Contact Name and Phone Number
- >Include a Ship-To Address with a Contact Name and Phone Number
- >Include an Ultimate Address (only if different than the Ship-To)
- >Be Greater than or Equal to the Value of the Order
- >Be in a Non-Editable Format
- >Identify Tax Exemption Status (where applicable)
- >Include a Signature (as Required)

3. Quotes are exclusive of all installation and programming charges (unless expressly stated) and all applicable taxes.

4. Prices quoted are valid for thirty(30) days from the date of this quote.

5. Unless otherwise stated, payment will be due within forty five day of invoice. Invoicing will occur concurrently with shipping. MOTOROLA DISCLAIMS ALL OTHER WARRANTIES WITH RESPECT TO THE ORDERED PRODUCTS, EXPRESS OR IMPLIED INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. MOTOROLA'S TOTAL LIABILITY ARISING FROM THE ORDERED PRODUCTS WILL BE LIMITED TO THE PURCHASE PRICE OF THE PRODUCTS WITH RESPECT TO WHICH LOSSES OR DAMAGES ARE CLAIMED. IN NO EVENT WILL MOTOROLA BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

Town of Franklin Police Capital Improvement Plan Fiscal Year 2019						
Project #	Asset/Project Name	Funding Priority	Life Expectancy	Annual Operating Expenses	Assest/Project Costs	
Request #5	MESSAGE BOARD / RADAR TRAILER	2 - Mainten.	10 YEARS	\$ -	\$ 16,950.00	
Asset/Project Description	Seeking funds to repalce one of the two existing message board / radar trailers. The current trailer was purchased in 2007 and is frequently being placed out of service due to maintenance issues. These message / radar boards are frequently used / requested for traffic enforcement issues, construction messaging, special event notices, etc. The message boards are requested regualrly by several town departments to display notices to the residents (DPW, Recreation, School, Downtown patnership, etc.).					
		<b>Priority Coding</b>				
		1 - Threat to Citizens or Employees health, safety or property				
		2 - Maintenance - operational necessity				
		3 - Requirement of State or Federal Law or Regulation				
		4 - Improvement of Infrastructure				
		5 - Improved productivity				
		6 - Alleviation of an overtred/overburdened situation				



applied concepts, inc.

855 E. Collins Blvd  
Richardson, TX 75081  
Phone: 972-398-3780  
Fax: 972-398-3781

National Toll Free: 1-800- STALKER

Inside Sales Partner: Chris Frett  
972-801-4866

QUOTE  
# 2019881

Page 1 of 1

Date: 07/24/18

Reg Sales Mgr: Kevin Anderson  
617-276-4503

Effective From : 07/24/2018

Valid Through: 10/22/2018

Lead Time: 45 working days

<b>Bill To:</b> Franklin Police Dept 911 Panther Way Franklin, MA 02038-2982	<b>Customer ID:</b> P5705  <b>Accounts Payable</b>	<b>Ship To:</b> Franklin Police Dept 911 Panther Way Franklin, MA 02038	<b>UPS Freight LTL (3-5 Days)</b>  <b>Deputy Chief James Mill</b>
---	--	--	---

Grp	Qty	Package	Description	Wrnty/Mo	Price	Ext Price
1	1	821-1100-00	Stalker MC360 Message Trailer (4'x8')	24	\$16,125.00	\$16,125.00

Ln	Qty	Part Number	Description	Price	Ext Price
1	1	015-2532-62	[253263] MC360 Message Trailer (4' x 8')		\$0.00
2	1	200-1229-00	Traffic Stats Sensor, 2-Comm Ports, USB, Open Frame		\$0.00
3	1	006-0569-00	Certificate of Accuracy, Speed Sensor II		\$0.00
4	1	015-5779-00	[274712] MC360 Solar Panel		\$0.00
5	1	015-1819-00	[275569] Trailer Tongue Jack		\$0.00
6	1	015-5603-00	[275565] Trailer Wheel Lock		\$0.00
7	1	200-1173-00	Stalker Traffic Analyst App, Thumb Drive, Manual		\$0.00
8	1	011-0220-00	MC360 3'x6' and 4'x8' Trailer User Manual		\$0.00
9	1	060-1000-24	24-Month Warranty		\$0.00

**Group Total** \$16,125.00

Product	\$16,125.00	Sub-Total:	\$16,125.00
Discount	\$0.00	Sales Tax 0%	\$0.00
Payment Terms: Net 30 days		Shipping & Handling:	\$825.00
		<b>Total: USD</b>	<b>\$16,950.00</b>

001

This Quote or Purchase Order is subject in all respects to the Terms and Conditions detailed at the back of this document. These Terms and Conditions contain limitations of liability, waivers of liability even for our own negligence, and indemnification provisions, all of which may affect your rights. Please review these Terms and Conditions carefully before proceeding.



## Message Center 360 | Mast-mount variable message signs

Now, 2 models to choose from:

- 3' x 6' display panel - **NEW**
- 4' x 8' display panel

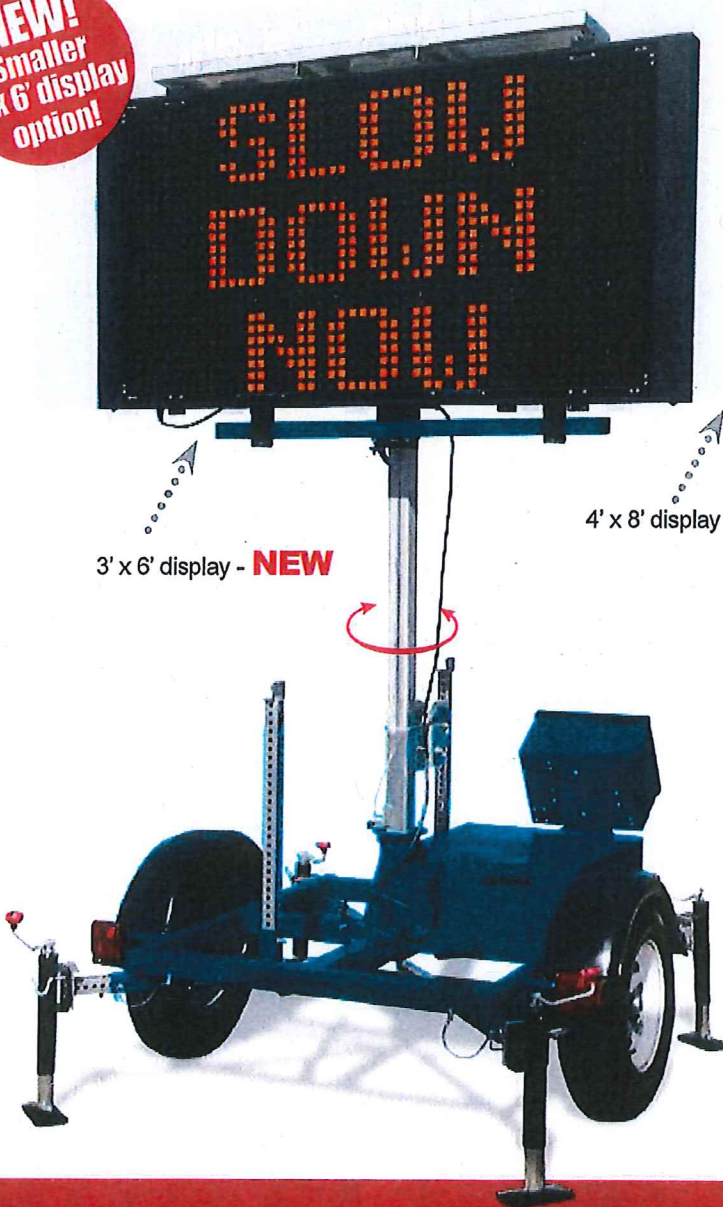
*Stalker's Message Center 360 features innovative rotating mast mount design for easier travel, setup and positioning, along with a host of features and options.*



- Highly efficient travel configuration
- 300+ memorized, customized, user-programmable messages
- Full matrix, amber LED characters - legible at up to 850 ft.
- (4) Deep-Cycle batteries - provide a longer time between charges and up to 21 days of operation
- Optional Traffic Data Statistics Package
- Optional top-mount solar panels for increased autonomy
- **NEW** - Optional on-board modem provides web-based 4G remote access for real-time message updating, battery voltage monitoring, and alerts.



**NEW!**  
Smaller  
3' x 6' display  
option!



3' x 6' display - **NEW**

4' x 8' display



# STALKER®

## Power to Enforce.

### Full Matrix LED Display

Energy-efficient LED display provides legibility at up to 850 feet for greater motorist compliance and safety, and a 10-year average operational life to reduce maintenance time and expense.

### On-Board Dedicated Computer

A NTCIP compliant, 365-day calendar is controlled by a dedicated on-board computer. A full-size, onboard keyboard expedites setup with secure password protection. Plus, 250 text, 60 graphic, and 20 arrow board display messages can be preprogrammed and stored in the controller. Additionally, 100 user-created messages can be programmed and stored.



### Deep-Cycle Batteries

(4) 6-volt deep-cycle batteries provide up to 21 days of continuous operation yielding longer operational time between battery charges.



### Graffiti-Resistant Powdercoat

The trailers are powder coated with a heavy zinc primer for improved resistance to graffiti and the elements, while its all-steel construction provides a sturdy platform and reduces damage sustained in the field.

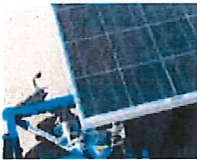
### 4 Stabilizing / Leveling Jacks

Leveling jacks with slide-out extensions provide enhanced stability and fold up and away for travel.

### OPTIONS

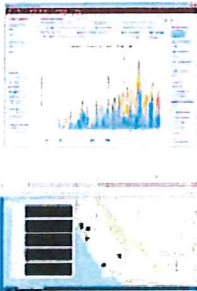
#### Solar Panels

Top-mounted solar panels recharge a day's worth of battery use with only 4 hours of bright sunlight allowing for nearly "infinite" field operation.



#### Integrated Traffic Statistics

When added to the MC360, the statistical package gathers valuable traffic data for improved grant writing support and verification of the sign's impact on traffic speeds.



#### NEW - Web-Based 4G Remote Access

Real-time message updating and control is now available on all Stalker Message Center 360 trailers. The system is smart phone and tablet compatible and also provides battery voltage monitoring and alerts.

#### Automated License Plate Recognition

The MC360 trailers may be outfitted in an ALPR-ready configuration.

#### Electric Winch

An electric winch is available to raise and lower the display panel with the push of a button.

# Message Center 360

### Specifications:

Width	68" (1.3m)
Length	107" (2.72m) with tongue 55" (1.4m) without tongue
Weight	850 lbs. (385.5kg)
Tongue weight	75 lbs. (34kg)
Main Frame	11 ga. formed steel tubing - 2" x 3" x .120
Lift Mechanism	1,500 lb. anti-reversing lift system
Lamp	30° amber LED
Legibility	up to 850 ft. (260 m)
Illumination	Active LED (4 per pixel)
<b>Energy Source</b>	
Battery Bank	(4) 6-volt deep-cycle batteries
Autonomy	21 days @ 78°F (25°C)
AC Charger	On-board 45 amp 3-stage charger
Solar	140 watt solar panel array
Recovery Rate	4 hours of sun per 1 day power requirement

### Radar - Stalker Stationary Speed Sensor II - 24.125 GHz

Detection Distance	Up to 1,200' (365 m)
Beam Width	30° x 32°

	4' x 8' Model	3' x 6' Model
Height	(raised) - 134" (3.4 m) (travel) - 102" (2.6 m)	(raised) - 131" (3.3 m) (travel) - 99" (2.5 m)
<b>Sign Display</b>		
Height	48" (1.22m)	44" (.91 m)
Width	96" (2.43m)	77" (1.83 m)
Viewing Area	44" x 84" (1.11 m x 2.13 m)	36" x 63" (.91 m x 1.6 m)
Character Height	12" (30 cm) / 18" (46 cm) (up to 4 lines)	9" (22.86 cm) - 37" (93.98 cm) (up to 4 lines)
Full Matrix Pixels	25 rows / 48 columns	28 rows / 48 columns

### Accessories:

- Spare Tire
- Coupler lock
- Wheel lock
- Wheel jack



# STALKER®

## Power to Enforce.

applied concepts, inc.  
2609 Technology Drive ■ Plano, Texas 75074  
972.398.3780 ■ Fax 972.398.3781



006-0484-00 Rev D

## 800-STALKER



# **STALKER**

**ISO 9001:2008** Certified Company

**The World Leader in Radar and Lidar Technology**

**Sole Source for *STALKER* SAM/SAM-R (Speed Awareness Monitor) Trailers and  
*STALKER* MC-360 (Message Center) Trailer**

**To Whom It May Concern:**

Stalker Radar is the sole source supplier for the Speed Awareness Monitor (**SAM & SAM-R**) and the Message Center 360 (**MC360**) trailers for Law Enforcement. All three trailers are manufactured by Work Area Protection, Inc. (formally Precision Solar Controls) located in Garland, Texas.

Stalker Radar provides a customized version of the manufacturer's trailers with our Speedsensor radar as standard and an optional traffic counter unit.

Respectfully Submitted,



Jan Achilles  
Sales Administration

October , 12, 2016



**applied concepts, inc.**

2609 Technology Drive • Plano • TX • 75074-7467 • Phone 972-398-3780 • Fax 972-398-3781 • 1-800-STALKER

Town of Franklin  
 Police Capital Improvement Plan  
 Fiscal Year 2019

Project #	Asset/Project Name	Funding Priority	Life Expectancy	Annual Operating Expenses	Asset/Project Costs
Request #6	CAMERA EQUIPMENT	2 - Mainten.	5 years	\$ -	\$ 6,000.00
Asset/Project Description	Requesting funding to replace outdated / end of life camera equipment. The cameras are used by operations division personnel during routine patrol for collecting evidence and images during criminal investigations, automobile accidents, civil issues, etc. Hte more advanced camera equipment is utilized by the Specialized Services Division (Detective Unit) when collecting evidence and images during various felony investigations.				

- Priority Coding**
- 1 - Threat to Citizens or Employees health, safety or property
  - 2 - Maintenance - operational necessity
  - 3 - Requirement of State or Federal Law or Regulation
  - 4 - Improvement of Infrastructure
  - 5 - Improved productivity
  - 6 - Alleviation of an overted/overburdened situation

Item	Cost	Quantity	Total
Nikon COOLPIX A10	\$86.95	5	\$434.75
Nikon SB-5000 AF Speedlight	\$596.95	1	\$596.95
Nikon SB-700 AF Speedlight	\$326.95	1	\$326.95
Nikon D7200 DSLR Kit	\$1,196.95	1	\$1,196.95
Nikon EN-EL15a Battery	\$54.95	1	\$54.95
Nikon D850 DSLR Body	\$3,296.95	1	\$3,296.95
		Total	\$5,907.50



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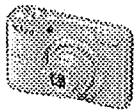
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Move All to Wish List

Remove All

Email



**Nikon COOLPIX A10 Digital Camera**

B&H #NICPA10S • MFR #26518

Free Expedited Shipping

In Stock  
Ready to Ship

5

\$86.95

Accessories

SquareTrade Protection Plan:

- 2-Year \$16.99
- 3-Year \$22.99
- 3-Year Protection Plan \$14.99

MORE INFORMATION

Save for Later

Remove

ESTIMATE SHIP TAX ⓘ

NYC Pickup (2 locs)

UNITED STATES

Enter Zip Code

Subtotal: \$

Shipping Calcula

Sales Tax

You Pay \$

**Item Total: \$434.75**



**Nikon SB-5000 AF Speedlight**

B&H #NISB5000 • MFR #4815

Free Expedited Shipping

Back-Ordered  
Ship Time: Not available

1

\$596.95

Accessories

SquareTrade Protection Plan:

- 2-Year \$87.99
- 3-Year \$108.99

MORE INFORMATION

Save for Later

Remove

Begin Che

or

**Item Total: \$596.95**



**Nikon SB-700 AF Speedlight**

B&H #NISB700 • MFR #4838

Free Expedited Shipping

Eligible for 2% Rewards (40 - 60 days from shipment)

Accessories

**SquareTrade Protection Plan:**

2-Year \$53.99

3-Year \$67.99

[MORE INFORMATION](#)

In Stock  
Ready to Ship

1

\$326.95

Save for Later

Remove

**Item Total: \$326.95**



**Nikon D7200 DSLR Camera with 18-55mm and 70-300mm Lenses Kit**

B&H #ND7200DZLK • MFR #13533

Free Standard Shipping

Eligible for 2% Rewards (40 - 60 days from shipment)

Accessories

**SquareTrade Protection Plan:**

2-Year Pro Plan \$144.99

3-Year Pro Plan \$183.99

4-Year Basic Plan \$68.00

[MORE INFORMATION](#)

In Stock  
Ready to Ship

1

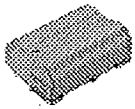
~~\$1,546.95~~  
**\$1,196.95**

Save for Later

Remove

Instant Savings: **\$350.00**

**Item Total: \$1,196.95**



**Nikon EN-EL15a Rechargeable Lithium-Ion Battery**

B&H #NIENEL15A • MFR #27190

Free Standard Shipping

In Stock  
Ready to Ship

1

\$54.95

Accessories

Save for Later

Remove

**Item Total:**

**\$54.95**



**Nikon D850 DSLR Camera (Body Only)**

B&H #NID850 • MFR #1585

Free Expedited Shipping

Back-Ordered  
Ship Time: Not available

1

\$3,296.95

Accessories

Available

Savings

**SquareTrade Protection Plan:**

2-Year Pro Plan \$349.99

3-Year Pro Plan \$399.99

4-Year Basic Plan \$99.99

MORE INFORMATION

Save for Later

Remove

**Item Total:**

**\$3,296.95**

Cart ID: #12103307105

**Saved for Later**

Stash ideas here, commitment-free!

Any items you "Save for Later" will appear here

Town of Franklin  
Police Capital Improvement Plan  
5 Year Plan

		Year Purchased	Item Description	FY To be Replaced	Year 1 FY19	Year 2 FY20	Year 3 FY21	Year 4 FY22	Year 5 FY23
<b>Fleet</b>									
Odometer / Engine			<b>POLICE CRUISERS - MARKED</b>	Fiscal Year					
23,873 / 29,841	2017	FORD POLICE INTERCEPTOR UTILITY - 601	2023						\$67,968.00
30,188 / 37,735	2017	FORD POLICE INTERCEPTOR UTILITY - 602	2022			\$62,200.00		\$65,988.00	
58,317 / 72,896	2014	FORD POLICE INTERCEPTOR SEDAN - 603	2020						
20,711 / 25,889	2017	FORD POLICE INTERCEPTOR UTILITY - 604	2022					\$65,988.00	
43,534 / 54,417	2017	FORD POLICE INTERCEPTOR UTILITY - 605	2021				\$64,066.00		
24,877 / 31,096	2017	FORD POLICE INTERCEPTOR UTILITY - 606	2021				\$64,066.00		
19,700 / 24,625	2017	FORD POLICE INTERCEPTOR UTILITY - 612	2022					\$65,988.00	
16,790 / 20,988	2017	FORD POLICE INTERCEPTOR UTILITY - 613	2022					\$65,988.00	
68,955 / 86,194	2014	FORD POLICE INTERCEPTOR SEDAN - 614	2019	\$61,348.00					
65,610 / 82,013	2015	FORD POLICE INTERCEPTOR UTILITY - 615	2019	\$61,348.00					
46,263 / 57,829	2016	FORD POLICE INTERCEPTOR UTILITY - 616	2021			\$64,066.00			
2,010 / 2,513	2018	FORD CROWN VICTORIA POLICE INTERCEPTOR - 617	2027						
55,919 / 69,899	2011	FORD CROWN VICTORIA POLICE INTERCEPTOR - 618	2020		\$62,200.00				
53,594 / 66,993	2016	FORD POLICE INTERCEPTOR UTILITY - 619	2021			\$64,066.00			
2,425 / 3,031	2018	FORD POLICE INTERCEPTOR UTILITY - 622	2023						\$65,988.00
0 / 0	2018	FORD POLICE INTERCEPTOR UTILITY - 623	2024						
83,082 / 103,853	2013	FORD POLICE INTERCEPTOR UTILITY - 624	2019	\$64,818.00					
0 / 0	2020	FORD POLICE INTERCEPTOR UTILITY - 626	2025		\$66,763.00				
0 / 0	2020	FORD POLICE INTERCEPTOR UTILITY - 627	2025		\$66,763.00				
<b>POLICE CRUISERS - UNMARKED</b>									
18,813	2015	FORD POLICE INTERCEPTOR SEDAN - 607	2024						
21,542	2016	FORD POLICE INTERCEPTOR SEDAN - 608	2026						
23,888	2013	FORD POLICE INTERCEPTOR SEDAN - 609	2024						
18,501	2014	FORD POLICE INTERCEPTOR SEDAN - 610	2025						
35,476	2011	FORD CROWN VICTORIA POLICE INTERCEPTOR - 611	2023						\$55,187.00
73,726	2009	FORD CROWN VICTORIA POLICE INTERCEPTOR - 620	2021		\$52,019.00				
93,104	2007	FORD CROWN VICTORIA POLICE INTERCEPTOR - 621	2019	\$50,577.00					
2,446	2018	FORD POLICE INTERCEPTOR UTILITY - 625	2025						
<b>PCO VEHICLE</b>									
26,975	2017	CHEVROLET CRUZE SEDAN	2027						\$40,000.00
<b>MOTORCYCLES</b>									
31,892	2004	HARLEY-DAVIDSON MOTORCYCLE C-2	2019	\$23,400.00					
23,323	2008	HARLEY-DAVIDSON MOTORCYCLE C-1	2021			\$24,900.00			
<b>Total Fleet</b>				<b>\$261,491.00</b>	<b>\$309,945.00</b>	<b>\$281,164.00</b>	<b>\$269,952.00</b>	<b>\$229,143.00</b>	

**Equipment**





**Town of Franklin  
DPW Capital Improvement  
Fiscal Year 2019**

Project #	Asset/ Project Name	Funding Priority	Life Expectancy	Annual Operating Expenses	Assets/Project Costs
Request #1	Roadway, Sidewalk and Parking Lot Funding		up to 30 years	\$ -	\$ 1,000,000.00
Request #2	MS4 Stormwater Permit Implementation		1 year	\$ -	\$ 85,000.00
Request #3	Street Acceptance Program		1 year	\$ -	\$ 50,000.00
Request #4	Town-Wide Improvements	2 - Maintenance	N/A	\$ -	\$ 50,000.00
<b>Total Capital Improvement Request</b>					<b>\$ 1,185,000.00</b>
<b>Priority Coding</b>					
1	Threat to Citizens or Employees health, safety or property				
2	Maintenance - operational necessity				
3	Requirement of State or Federal Law or Regulation				
4	Improvement of Infrastructure				
5	Improved productivity				
6	Alleviation of an overtaken/overburdened situation				

Town of Franklin  
 DPW Capital Improvement  
 Fiscal Year 2019

Project #	Asset/Project Name	Funding Priority	Life Expectancy	Annual Operating Expenses	Asset/ Project Costs
Request #1	Roadway, Sidewalk and Parking Lot Funding		up to 30 years	\$ -	\$ 1,000,000.00
Asset/Project Description	The allocation of these funds would support our preventative maintenance, repair and reconstruction funding. These funds would be used for improvements to the travel ways, sidewalks, parking lots and drainage systems. Presently only funds from Chapter 90 and the water utility (when appropriate) are used for roadway repairs and reconstruction. This allocation would allow the Department of Public Works to expand our preventative maintenance program of crack sealing, chip sealing, trench replacements and overlays. These funds would also allow us to fully reconstruct roadways, sidewalks and drainage systems when warranted. Due to lack of funding, roadways and sidewalks are sometimes repaired temporarily, requiring repeated repairs over time.	<b>Priority Coding</b> 1 - Threat to Citizens or Employees health, safety or property 2 - Maintenance - operational necessity 3 - Requirement of State or Federal Law or Regulation 4 - Improvement of Infrastructure 5 - Improved productivity 6 - Alleviation of an overtred/overburdened situation			







**Town of Franklin  
Highway & Grounds Capital Improvement  
Fiscal Year 2019**

Project #	Asset/ Project Name	Funding Priority	Life Expectancy	Annual Operating Expenses	Assets/Project Costs
Request #1	Street Sweeper	2 - Maintenance - operational necessity	10	\$ -	\$ 205,000.00
Request #2	4x4 Pick-up Truck	2 - Maintenance - operational necessity	7	\$ -	\$ 35,000.00
Request #3	Mini Excavator	2 - Maintenance - operational necessity	10	\$ -	\$ 70,000.00
Request #4	4x4 Utility Body Truck	2 - Maintenance - operational necessity	7	\$ -	\$ 45,000.00
Request #5	Sidewalk Plow with Snowblower	2 - Maintenance - operational necessity	10	\$ -	\$ 160,000.00
Request #6	Class B Dump Truck with 11ft. Plow	2 - Maintenance - operational necessity	12	\$ -	\$ 180,000.00
Request #7	Class B Dump Truck with 11ft. Plow	2 - Maintenance - operational necessity	12	\$ -	\$ 180,000.00
Request #8	4x4 Crew Cab pick-up	2 - Maintenance - operational necessity	7	\$ -	\$ 45,000.00

**Total Capital Improvement Request**

**\$ 920,000.00**

**Priority Coding**

- 1 - Threat to Citizens or Employees health, safety or property
- 2 - Maintenance - operational necessity
- 3 - Requirement of State or Federal Law or Regulation
- 4 - Improvement of Infrastructure
- 5 - Improved productivity
- 6 - Alleviation of an overtred/overburdened situation

Project #	Asset/Project Name	Funding Priority	Life Expectancy	Annual Operating Expenses	Asset/ Project Costs
Request #1	Street Sweeper	2 - Maintenance - operational necessity	10	\$ -	\$ 205,000.00
Asset/Project Description	<p>The HS-2 Elgin Street Sweeper was purchased in 2006 and had a life expectancy of 7 years. The machines chassis and cab have a considerable amount of rot. Three years ago we had replaced the other 2006 sweeper and for the last three year we have been spending thousands of dollars keeping this one working. The Street Sweepers are vital pieces of equipment to keep the town clean. The street sweepers are also used to sweep chip seal roads when necessary and leaves during the fall season to help keep drains open during rain events. The town owns two Street Sweepers that handle the 168 miles of road sweeping in town and also assists with road construction projects. The sweepers are also used on a continuous basis to sweep downtown and around the common.</p>	<p><b>Priority Coding</b></p> <p>1 - Threat to Citizens or Employees health, safety or property</p> <p>2 - Maintenance - operational necessity</p> <p>3 - Requirement of State or Federal Law or Regulation</p> <p>4 - Improvement of Infrastructure</p> <p>5 - Improved productivity</p> <p>6 - Alleviation of an overtred/overburdened situation</p>			

Town of Franklin  
Highway & Grounds Capital Improvement  
Fiscal Year 2019

	Town of Franklin Highway & Grounds Capital Improvement Fiscal Year 2019			Asset/ Project Costs	Annual Operating Expenses	Life Expectancy	Funding Priority
Request #2	4x4 Pick-up Truck			\$ 35,000.00	-	7	2 - Maintenance - operational necessity
Asset/Project Description	The T-1 2006 F-150 is now 12 years old and is well past its life expectancy with 102,126 miles. This truck is used by the Highway & Grounds Superintendent for daily use and snow operations. This truck has considerable rot to the body and frame and recently had transmission issues.						<b>Priority Coding</b> 1 - Threat to Citizens or Employees health, safety or property 2 - Maintenance - operational necessity 3 - Requirement of State or Federal Law or Regulation 4 - Improvement of Infrastructure 5 - Improved productivity 6 - Alleviation of an overtred/overburdened situation



Town of Franklin  
**Highway & Grounds Capital Improvement**  
 Fiscal Year 2019

Project #	Asset/Project Name	Funding Priority	Life Expectancy	Annual Operating Expenses	Asset/ Project Costs
Request #3	Mini Excavator	2 - Maintenance - operational necessity	10	\$ -	\$ 70,000.00
Asset/Project Description	<p>The H-12 1997 John Deere Backhoe is now 21 years old and continues to cost the town money in repairs. The mini excavator is a much more versatile piece of equipment for road repairs than a backhoe. This will help the highway dept. be more efficient</p>				
	<p><b>Priority Coding</b></p> <p>1 - Threat to Citizens or Employees health, safety or property</p> <p>2 - Maintenance - operational necessity</p> <p>3 - Requirement of State or Federal Law or Regulation</p> <p>4 - Improvement of Infrastructure</p> <p>5 - Improved productivity</p> <p>The H-12 1997 John Deere Backhoe is now 21 years old and continues to cost the town money in repairs. The mini excavator is a much more versatile piece of equipment for road repairs than a backhoe. This will help the highway dept. be more efficient</p>				

Town of Franklin  
Highway & Grounds Capital Improvement  
Fiscal Year 2019

Project #	Asset/Project Name	Funding Priority	Life Expectancy	Annual Operating Expenses	Asset/ Project Costs
Request #4	4x4 Utility Body Truck	2 - Maintenance - operational	7	\$ -	\$ 45,000.00
Asset/Project Description	The M-1 2003 Ford F-350 is in need of replacing due to the body rot. The truck is used by the mechanics for picking up parts and emergency road repairs. The truck carries welding equipment and other tools to make road repairs. The truck is now 15 years old and past it life expectancy.				
		<b>Priority Coding</b>			
		1 - Threat to Citizens or Employees health, safety or property			
		2 - Maintenance - operational necessity			
		3 - Requirement of State or Federal Law or Regulation			
		4 - Improvement of Infrastructure			
		5 - Improved productivity			
		6 - Alleviation of an overted/overburdened situation			

Town of Franklin  
 Highway & Grounds Capital Improvement  
 Fiscal Year 2019

Project #	Asset/Project Name	Funding Priority	Life Expectancy	Annual Operating Expenses	Asset/ Project Costs
Request #5	Sidewalk Plow with Snowblower	2 - Maintenance - operational necessity	10	\$ -	\$ 160,000.00
Asset/Project Description	<p>The H-32 1986 Bombardier sidewalk plow is now 32 years old and is the oldest piece of equipment the town owns. This piece of equipment only has the ability to plow snow and does not have the ability to attach a snow blower. Sidewalks are always a major concern around town and with the amount of snow we have had in the past years the v-plow cannot do the work to clear the sidewalks. The town is installing more miles of sidewalk and we will need newer equipment to keep up with the demand to have these cleared in a timely manner. This piece of equipment has no brakes and has major exhaust issues. This piece of equipment is not safe to use and replacement parts are hard to find.</p>				

**Priority Coding**

- 1 - Threat to Citizens or Employees health, safety or property
- 2 - Maintenance - operational necessity
- 3 - Requirement of State or Federal Law or Regulation
- 4 - Improvement of Infrastructure
- 5 - Improved productivity
- 6 - Alleviation of an overtred/overburdened situation

Town of Franklin  
Highway & Grounds Capital Improvement  
Fiscal Year 2019

Project #	Asset/Project Name	Funding Priority	Life Expectancy	Annual Operating Expenses	Asset/ Project Costs
Request #6	Class B Dump Truck with 11ft. Plow	2 - Maintenance - operational necessity	12	\$ -	\$ 180,000.00
Asset/Project Description	<p>The H-22 1998 Sterling Dump F-700 7.0L truck is now 20 years old and is well past its life expectancy with 49,221 miles. The truck does have low miles but cab and chassis has a considerable amount of rot and rust. This truck is used for hauling and accompanying sweepers for disposal of material. The truck is equipped for snow plowing and sanding operations. We would like to replace this truck with a 6 Wheel Dump Truck with Plow to add to our snow plow fleet.</p> <p><b>Priority Coding</b></p> <p>1 - Threat to Citizens or Employees health, safety or property                  2 - Maintenance - operational necessity                  3 - Requirement of State or Federal Law or Regulation                  4 - Improvement of Infrastructure                  5 - Improved productivity                  6 - Alleviation of an overted/overburdened situation</p>				

Project #	Asset/Project Name	Funding Priority	Life Expectancy	Annual Operating Expenses	Asset/ Project Costs
Request #7	Town of Franklin Highway & Grounds Capital Improvement Fiscal Year 2019	2 - Maintenance - operational necessity	12	\$ -	\$ 180,000.00
	<p>Class B Dump Truck with 11ft. Plow</p> <p>The T-8 1998 Ford Dump F-700 7.0L truck is now 20 years old and is well past its life expectancy with 34,101 miles. The truck does have low miles but cab and chassis has a considerable amount of rot and rust. This truck is used for hauling tree logs and brush. The truck is not equipped for snow plowing and has very limited use. We would like to replace this truck with a 6 Wheel Dump Truck with Plow to add to our snow plow fleet. Right now we have our catch basin truck on a plow route and we would like to replace this route with a new truck to alleviate the wear and tear on the catch basin truck.</p>				



**Town of Franklin  
Highway & Grounds Capital Improvement Plan  
5 Year Plan**

						Year 1	Year 2	Year 3	Year 4	Year 5
	Odometer Readings	Year Purchased	Item Description	Replace Cycle	FY19	FY20	FY21	FY22	FY23	
<b>Fleet Requests</b>										
D-1	21500	2016	GMC 1500 Pick-up	7						
D-2	46726	2011	Malibu Sedan	10						
H-3	72440	2001	Sterling Dump w/Plow/Sander	10			180,000			
H-4	6947	2016	Freightliner Dump w/Plow/Sander	10						
H-5	18434	1997	Ford Dump w/Plow/Sander	10		180,000				
H-6	9867 hrs.	2000	John Deere Loader	9			170,000			
H-7	46245	2000	Sterling Dump w/ Plow/Sander	10					180000	
H-8	5145	2017	Ford 1 Ton Dump w/Plow	7						
H-9	26500	2009	International Dump w/Plow/Sander	10						
H-11	35123	2014	Ford F-150 P/U 4x4	7						
H-10	113,282	2005	Sterling Dump w/ Plow/Sander	10						
H-12	9540	1997	John deere Backhoe	12	70,000					
H-13	57604	1998	Ford Dump w/Plow/CB Cleaner	10				160,000		
H-14	0	2018	Multi-hog sidewalk plow	12						
H-15	1094	2004	Bomag Vibratory Roller	15						
H-16	7574	2016	Ford 1 Ton Dump w/Plow	7						
H-17	66142	2002	Ford 1 Ton Dump w/Plow	7			60,000			
H-18	3142	1996	Ford Dump w/Plow/Sander	10						
H-19	865hrs.	2013	Terex Skidsteer	12						
H-20	83455	2000	International Bucket Truck	10			100,000			
H-21	62590	2003	Ford 1 Ton Dump w/Plow	7		65,000				
H-22	49221	1999	Sterling Dump w/Plow/Sander	10	180,000					
H-23	3302hrs.	2012	Hyundai Loader	15					160000	
H-25	1655hrs.	2000	Neil Paver	15						
H-24	61202	2005	Sterling Dump w/Plow/Sander	10						
H-27	3606hrs.	2004	John Deere Tractor	12						

Town of Franklin  
Highway & Grounds Capital Improvement Plan  
5 Year Plan

					Year 1	Year 2	Year 3	Year 4	Year 5
	Odometer Readings	Year Purchased	Item Description	Replace Cycle	FY19	FY20	FY21	FY22	FY23
H-28	30827	2008	Sterling Dump w/Plow/Sander	10					
H-29	32150	2002	Sterling Dump w/Plow/Sander	10				180,000	
H-30	0	2018	Freightliner Dump w/Plow/Sander	10					
H-32	2200	1986	Bombardier Sidewalk Plow	12	160,000				
H-33	1049hrs.	2013	John Deere Skid-Steer Loader	9					
H-34	339	2017	Ford 1 Ton Dump w/Plow	7					
H-35	2155hrs.	2003	Bombardier Sidewalk Plow	12			160,000		
H-36	2449hrs.	2004	Holder Tractor Sidewalk Plow	12				160,000	
H-37	42240	2006	Ford Dump w/Plow/Sander	10					
H-38	49128	1999	GMC w/Sander	10			160,000		
H-39	113129	2005	Ford F-350	7		65,000			
H-40	383hrs.	2014	Terex Skidsteer						
HS-1	1255hrs.	2015	Elgin Streen Sweeper	8					
HS-2	4100hrs.	2006	Elgin Streen Sweeper	8	205,000				
TR-1		2012	15 Ton Trailer	15					
TR-8	22hrs.	2005	Stetco Jetting Unit	10					
TR-9	2310hrs.	1993	Ingersol Air Compressor (towed)	10					
TR-32		2015	KM International Hot box	7				35,000	
TR-34	18	2016	Sullivan Air Compressor	12					
M-1	62343	2003	Ford F-350 Utility Body	8	45,000				
T-1	101,000	2006	Ford F-150 4x4 P/U	7	35,000				
T-2	106711	2006	Ford F-350 4x4 Pick-up	7					
T-3	94222	2002	Ford Crew Cab PU 4x4 F-250	7	40,000				
T-4	73062	1994	Ford F 250 4x4 Pick-up	10					40000
T-5	109853	2006	Ford PU 4x2 F-250	7		30,000		35,000	
T-6	23467	2007	Ford F-550 4x4 Stake Body	9					
T-7	691hrs.	2011	Husqvarna Golf Cart	7					





**Town of Franklin  
Water Capital Improvement  
Fiscal Year 2019**

<b>Project #</b>	<b>Asset/ Project Name</b>	<b>Funding Priority</b>	<b>Life Expectancy</b>	<b>Annual Operating Expenses</b>	<b>Assets/Project Costs</b>
Request #1	Meter Replacement Program	2 - Maintenance - operational necessity	15 years	\$ -	\$ 100,000
Request #2	Vehicles and Equipment	2 - Maintenance - operational necessity	10 years	\$ -	\$ 162,000
Request #3	Water Main Improvements	2 - Maintenance - operational necessity	100 years	\$ -	\$ 1,500,000
Request #4	Additional Roof Funding	2 - Maintenance - operational necessity	30 years	\$ -	\$ -
<b>Total Capital Improvement Request</b>					<b>\$ 1,762,000</b>
<b>Priority Coding</b>					
1 - Threat to Citizens or Employees health, safety or property					
2 - Maintenance - operational necessity					
3 - Requirement of State or Federal Law or Regulation					
4 - Improvement of Infrastructure					
5 - Improved productivity					
6 - Alleviation of an overted/overburdened situation					

Town of Franklin  
 Water Capital Improvement  
 Fiscal Year 2019

Project #

Meter Replacement Program

Request #1

Asset/Project Description

Meter Replacement Program  
 The Franklin Water system includes over 10,000 water meters, all of which act as cash registers for the water and sewer department. AWWA recommends that water meters be replaced every 10-15 years. As meters age, their accuracy decreases, generally in favor of the customer. Therefore, in order to more accurately record water usage we have been working with a subcontractor over the last 3 years to replace the oldest 2,500 meters in the system. We now have approximately 800 meters that are older than 20 years. Most of these customers have received letters from us but have not responded. The goal for FY19 is to work with these customers to get the final 800 meters replaced. These will be replaced in house, by our own staff, so the cost per meter will be approximately \$130 per meter.

Funding Priority

2 - Maintenance - operational necessity

Life Expectancy

15 years

Annual Operating Expenses

\$ -

Asset/ Project Costs

\$ 100,000.00

Priority Coding

- 1 - Threat to Citizens or Employees health, safety or property
- 2 - Maintenance - operational necessity
- 3 - Requirement of State or Federal Law or Regulation
- 4 - Improvement of Infrastructure
- 5 - Improved productivity
- 6 - Alleviation of an overted/overburdened situation





Minuteman Truck Sales, Inc.  
2181 Providence Highway, Walpole, Massachusetts,  
020812528  
Office: 508-668-3112

**2019 F-150, Regular Cab Styleside**  
4x4 Regular Cab Styleside 8' box 141" WB  
XL(F1E)  
Price Level: 920 Quote ID: 110518B

## 2019 F150 4x4 Pick-up

*Vehicle Pricing - Valid for 2019 calendar year*

\$32,814.00

---

Customer Signature

---

Acceptance Date

Prices and content availability as shown are subject to change and should be treated as estimates only. Actual base vehicle, package and option pricing may vary from this estimate because of special local pricing, availability or pricing adjustments not reflected in the dealer's computer system. See salesperson for the most current information.

Prepared by: David Pardi Date: 11/05/2018



## Selected Options

### Description

#### Base Vehicle

Base Vehicle Price (F1E)

#### Packages

Equipment Group 100A Base

N/C

*Includes:*

- Radio: AM/FM Stereo w/4 Speakers  
 Includes auxiliary audio input jack (not available with SYNC).

#### Powertrain

Engine: 5.0L V8

\$1,836.00

*Includes auto start-stop technology and flex-fuel capability,*

Transmission: Electronic 10-Speed Automatic

N/C

*Includes selectable drive modes: normal/tow-haul/snow-wet/EcoSelect/sport.*

Electronic Locking w/3.73 Axle Ratio

Included

GVWR: 7,600 lbs Payload Package

Included

#### Wheels & Tires

Tires: LT275/65R18C OWL A/T

Included

Wheels: 18" Silver Aluminum

Included

#### Seats & Seat Trim

Vinyl 40/20/40 Front Seat

N/C

#### Other Options

141" Wheelbase

STD

Monotone Paint Application

STD

Radio: AM/FM Stereo w/4 Speakers

Included

*Includes auxiliary audio input jack (not available with SYNC).*

Class IV Trailer Hitch Receiver

Included

Ordering the Trailer Tow Package does not include Integrated Brake Controller (67T). Integrated Brake Controller (67T) is a standalone option and must be ordered separately.

*Includes towing capability up to TBD on 3.3L V6 PFDI engine (99B) and 2.7L EcoBoost engine (99P) or up to TBD on 3.5L EcoBoost engine (99A), 3.5L EcoBoost High Output engine (99G) and 5.0L V8 engine (995), smart trailer tow connector and 4-pin/7-pin wiring harness.*

Heavy-Duty Payload Package

\$1,560.00

Prices and content availability as shown are subject to change and should be treated as estimates only. Actual base vehicle, package and option pricing may vary from this estimate because of special local pricing, availability or pricing adjustments not reflected in the dealer's computer system. See salesperson for the most current information.



## Selected Options (cont'd)

### Description

*Includes 9.75" gearset and upgraded springs.*

*Includes:*

- GVWR: 7,600 lbs Payload Package
- Electronic Locking w/3.73 Axle Ratio
- Extended Range 36 Gallon Fuel Tank
- Tires: LT275/65R18C OWL A/T
- Wheels: 18" Silver Aluminum

Black Platform Running Boards \$231.00

Rear Window Fixed Privacy Glass \$92.00

Rear Window Defroster \$203.00

Integrated Trailer Brake Controller \$253.00

Snow Plow Prep Package \$47.00

*"SnowPlow" mode button on instrument panel will disable (load shed) the following features to maintain required electrical charge margins during plow operation/us: 110V inverter, fog lamps, heated steering wheel, heated front/rear seats and massaging seats. SnowPlow button also activates relay to snowplow controls. Note: The F-150 snowplow installation is intended for residential/personal use only.*

Front License Plate Bracket N/C

*Standard in states requiring 2 license plates, optional to all others.*

Spray-In Bedliner \$548.00

Ford accessory.

### Fleet Options

XL Power Equipment Group \$893.00

- Option Discount -\$460.00

Requires valid FIN code.

*Includes:*

- Power Glass Sideview Mirrors w/Black Skull Caps
- Includes manual-folding.*
- Illuminated Entry
- MyKey
- Perimeter Alarm
- Power Door Locks
- Includes flip key and integrated key transmitter keyless-entry (includes Autolock).*
- Power Tailgate Lock
- Power Front Windows

Backup Alarm System \$115.00

Requires valid FIN code.

Trailer Tow Package (Fleet) \$548.00

Ordering the Trailer Tow Package does not include Trailer Tow Mirrors. Trailer Tow Mirrors are a standalone option and must be ordered separately. (Option Code: 54Y/59S). Ordering the Trailer Tow Package does not include Integrated Brake Controller (67T). Integrated Brake Controller (67T) is a standalone option and must be ordered separately.

*Towing capability up to TBD. Includes tailgate LED.*

*Includes:*

- Auxiliary Transmission Oil Cooler
- Class IV Trailer Hitch Receiver
- Includes towing capability up to TBD on 3.3L V6 PFDI engine (99B) and 2.7L EcoBoost engine (99P) or up to TBD on 3.5L EcoBoost engine (994), 3.5L EcoBoost High Output engine (99G) and 5.0L V8 engine (995), smart trailer tow connector and 4-pin/7-pin wiring harness.*
- Upgraded Front Stabilizer Bar

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Minuteman Truck Sales, Inc.  
2181 Providence Highway, Walpole, Massachusetts,  
020812528  
Office: 508-668-3112

**2019 F-150, Regular Cab Styleside**  
4x4 Regular Cab Styleside 8' box 141" WB  
XL(F1E)  
Price Level: 920 Quote ID: 110518B

## Selected Options (cont'd)

### Description

Skid Plates (Fleet)	\$148.00
<i>Includes fuel tank, transfer case and front differential.</i>	
50 State Emissions (Fleet)	N/C
Available only to Commercial and Government Fleet.	

### Interior Colors

Medium Earth Gray	N/C
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### Primary Colors

Race Red	N/C
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Minuteman Truck Sales, Inc.  
2181 Providence Highway, Walpole, Massachusetts,  
020812528  
Office: 508-668-3112

**2019 F-150, Regular Cab Styleside**  
4x2 Regular Cab Styleside 8' box 141" WB  
XL(F1C)  
Price Level: 920 Quote ID: 110518A

## 2019 F150 4x2 Pick-Up

*Vehicle Pricing - Valid for 2019 Calendar year*

\$28,241.00

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Customer Signature

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Acceptance Date

Prices and content availability as shown are subject to change and should be treated as estimates only. Actual base vehicle, package and option pricing may vary from this estimate because of special local pricing, availability or pricing adjustments not reflected in the dealer's computer system. See salesperson for the most current information.

Prepared by: David Pardi Date: 11/05/2018



## Selected Options

### Description

#### Base Vehicle

Base Vehicle Price (F1C)

#### Packages

Equipment Group 100A Base

N/C

*Includes:*

- Radio: AM/FM Stereo w/4 Speakers  
 - Includes auxiliary audio input jack (not available with SYNC).

#### Powertrain

Engine: 3.5L V6 EcoBoost

\$2,388.00

*Includes auto start-stop technology.*

*Includes:*

- GVWR: 7,050 lbs Payload Package

Transmission: Electronic 10-Speed Automatic

N/C

*Includes selectable drive modes: normal/tow-haul/snow-wet/EcoSelect/sport.*

Electronic Locking w/3.55 Axle Ratio

\$433.00

GVWR: 7,050 lbs Payload Package

Included

#### Wheels & Tires

Wheels: 17" Silver Painted Aluminum

Included

#### Seats & Seat Trim

Vinyl 40/20/40 Front Seat

N/C

#### Other Options

141" Wheelbase

STD

Monotone Paint Application

STD

Radio: AM/FM Stereo w/4 Speakers

Included

*Includes auxiliary audio input jack (not available with SYNC).*

Black Platform Running Boards

\$231.00

Rear Window Fixed Privacy Glass

\$92.00

Rear Window Defroster

\$203.00

Front License Plate Bracket

N/C

*Standard in states requiring 2 license plates, optional to all others.*

Spray-In Bedliner

\$548.00

Prices and content availability as shown are subject to change and should be treated as estimates only. Actual base vehicle, package and option pricing may vary from this estimate because of special local pricing, availability or pricing adjustments not reflected in the dealer's computer system. See salesperson for the most current information.



## Selected Options (cont'd)

### Description

Ford accessory.

### Fleet Options

XL Power Equipment Group	\$893.00
Requires valid FIN code.	
<i>Includes:</i>	
- Power Glass Sideview Mirrors w/Black Skull Caps <i>Includes manual-folding.</i>	
- Illuminated Entry	
- MyKey	
- Perimeter Alarm	
- Power Door Locks <i>Includes flip key and integrated key transmitter keyless-entry (includes Autolock).</i>	
- Power Tailgate Lock	
- Power Front Windows	
Backup Alarm System	\$115.00
Requires valid FIN code.	
Front & Rear Chrome Bumpers	Included
Requires valid FIN code.	
<i>Includes body-color front fascia.</i>	
Tires: LT245/70R17E BSW A/T (Fleet)	\$272.00
Requires valid FIN code.	
XL Chrome Appearance Package (Fleet)	\$713.00
<i>Includes:</i>	
- Wheels: 17" Silver Painted Aluminum	
- Front & Rear Chrome Bumpers <i>Includes body-color front fascia.</i>	
- Fog Lamps (Fleet)	
Fog Lamps (Fleet)	Included
50 State Emissions (Fleet)	N/C
Available only to Commercial and Government Fleet.	
<b>Interior Colors</b>	
Medium Earth Gray	N/C
<b>Primary Colors</b>	
Race Red	N/C

Prices and content availability as shown are subject to change and should be treated as estimates only. Actual base vehicle, package and option pricing may vary from this estimate because of special local pricing, availability or pricing adjustments not reflected in the dealer's computer system. See salesperson for the most current information.



Town of Franklin  
Water Capital Improvement  
Fiscal Year 2019

Project #	Vehicles & Equipment	Funding Priority	Life Expectancy	Annual Operating Expenses	Asset/ Project Costs
Request #4	Additional Roof Funding	2 - Maintenance - operational necessity	30 years	\$ -	\$ -
Asset/Project Description		<b>Priority Coding</b>			
		1 - Threat to Citizens or Employees health, safety or property			
		2 - Maintenance - operational necessity			
		3 - Requirement of State or Federal Law or Regulation			
		4 - Improvement of Infrastructure			
		5 - Improved productivity			
	6 - Alleviation of an overted/overburdened situation				

		Town of Franklin Water Capital Improvement Plan 5 Year Plan									
		Odometer Readings	Year Purchased	Item Description	Replace Cycle	Year 1 FY19	Year 2 FY20	Year 3 FY21	Year 4 FY22	Year 5 FY23	
Fleet Requests											
W-1		86,041	2008	Ford F-150 Pick up	2016	\$33,000					
W-3		21,179	2013	Freightliner Utility Vehicle	2021						
W-4		4,034	2018	International Dump Truck	2033						
W-7a		109,329	2007	GMC 1500 Pick-up	2015						
W-10		29,939	2016	Chevy Silverado Pick up	2024						
W-12		23,134	2016	GMC Pick-up	2024						
W-13		3,180 hrs	2009	Kabota Mini Backhoe	2024						
W-14		47,585	1999	Sterling Dump Truck	2014	\$170,000					
W-15		22,936	2008	Ford F-550 Dump Truck	2018	\$40,000					
W-17		4,304	2017	Chevy Silverado Pick up	2025						
W-18		33,908	2004	Sterling Dump Truck	2019					\$170,000	
W-21		41,293	2015	Chevy Silverado Pick up	2023						
W-23		7,257 hrs	1996	Case 580L Backhoe	2006	\$100,000					
W-25		69,638	2008	Ford Ranger Pick up	2016	\$29,000					
W-27		851 hrs	2008	John Deere Skid-Steer	2023						
W-30		736 hrs	2001	Bomag Roller	2021			\$30,000			
W-31		110,767	2000	Mack Ten Wheel Dump	2015				\$195,000		
TR-18		602 hrs		Compressor Trailer							
<b>Total Fleet</b>						<b>\$162,000</b>	<b>\$210,000</b>	<b>\$30,000</b>	<b>\$195,000</b>	<b>\$170,000</b>	
<b>Equipment Requests</b>		<b>Hours</b>	<b>KW</b>	<b>Make</b>	<b>Year Installed</b>	<b>Replace Year</b>					
Water Treatment Plant		402	450	Cummins	2005	2035					
Wells No. 1 & 2		306	100	Cummins	2005	2035					
Well No. 3		163	110	Katolight	2006	2036					
Well No. 4		150	110	Superior	2006	2036					
Well No. 5		338	140	Katolight	2006	2036					
Well No. 6		243.5	85	Kohler	1977	2007					
Well No. 7		104	85	Kohler	2014	2044					



**Town of Franklin  
Sewer Capital Improvement  
Fiscal Year 2019**

Project #	Asset/ Project Name	Funding Priority	Life Expectancy	Annual Operating Expenses	Asset/Project Costs
Request #1	Sahlin Circle Pump Station Design	1 - Threat to Citizens or Employees health, safety or property		\$ -	\$ 50,000
Request #2	Vector Truck	2 - Maintenance - operational necessity	15 years	\$ -	\$ 450,000
Request #3	Vehicles and Equipment	2 - Maintenance - operational necessity	10 years	\$ -	\$ 105,000
Request #4	Collection System Repairs and Improvements	4 - Improvement of Infrastructure	50 years	\$ -	\$ 300,000
Request #5	Sahlin Circle Pump Station Construction	1 - Threat to Citizens or Employees health, safety or property	50 years	\$ -	\$ 250,000
Request #6	Additional Sewer Roofs	2 - Maintenance - operational necessity	30 years	\$ -	

**Priority Coding**

- 1 - Threat to Citizens or Employees health, safety or property
- 2 - Maintenance - operational necessity
- 3 - Requirement of State or Federal Law or Regulation
- 4 - Improvement of Infrastructure
- 5 - Improved productivity
- 6 - Alleviation of an overtred/overburdened situation

**Total Capital Improvement Request**

**\$ 1,155,000**





Town of Franklin Sewer Capital Improvement Fiscal Year 2019							
Project #	Asset/Project Name	Funding Priority	Life Expectancy	Annual Operating Expenses	Asset/Project Costs		
Request #2	Vactor Truck	2 - Maintenance - operational necessity	15 years	\$ -	\$ 450,000		
Asset/Project Description	<p>Replace current vactor truck. The vactor truck is used for many tasks. The primary function of the vactor truck is to jet sewer lines for regular maintenance line cleaning and clearing of blockages. The truck is also used to vacuum out sewer station wet wells which is essential to maintain our 23 sewer pump stations. The truck also assists with excavation around utilities, which keeps crews out of potentially dangerous trenches. Our existing "W-8" has had and continues to have many issues that are both inconveniences, and most importantly, safety issues.</p>						

**Priority Coding**  
1 - Threat to Citizens or Employees health, safety or property  
2 - Maintenance - operational necessity  
3 - Requirement of State or Federal Law or Regulation  
4 - Improvement of Infrastructure  
5 - Improved productivity  
6 - Alleviation of an overtired/overburdened situation



1590 Dutch Road | Dixon, IL 61021  
 p 815.835.5566 | f 815.284.5600  
 www.SewerEquipment.com

DATE 11/5/2018

PO #

Product Class:

WO#

Distributor: J.F. McDermott Corp.

End User: Franklin DPW

Address: 257 Fisher St.

City, State, Zip: Franklin, MA 02038

Phone: 508-520-4910

Contact: Laurie Ruszala

Email: Iruszala@franklinma.gov



### 900-ECO 12 Yard Truck Mounted Combination Sewer Cleaner

**Vacuum System:**

- 4400 CFM Blower
- 8" Vacuum Hose system
- 18" Hg vacuum rating
- Dual Cyclone Separator
- Dual Element 10 Micron Final Filter
- Remote Vacuum Relief
- Variable Volume Delivery
- Analog Vacuum Display
- (6) Tube / Tube Rack

**Boom:**

- Hydraulic Powered Boom
- 180° Working Radius
- 10' Boom Cylinder
- Boom Joystick Control

**Debris Tank:**

- 12 Cubic Yard Capacity
- Exten Steel Construction
- Debris Level Indicator
- Hydraulic Dump, 50° Dump Angle (LIFT)
- Dual Ported Rear Door w/ Knife Valve
- Dump Height 60"
- Hydraulic Open/Close/Lock Door

**Water System:**

- 1300 Gallon Capacity Water Tank
- Giant plunger style triplex
- 65 gpm @ 2000 psi w/ 30 min run dry
- Black Duraprolene™ Water Tank Constructio
- w/ 10 Year Warranty
- Cold Weather Recirculation System
- 2.5" Hydrant Fill system
- Air Purge Valve
- Variable Volume Delivery
- Low Water Warning Light
- Analog Pressure Display
- Front and Mid Ship Hand Gun Ports

**Electrical:**

- NEMA 4 Control Panel
- Hour Meter (Blower & Water Pump)
- Military Spec. Sealed Switches

**Truck:**

- Mounting to Approved Chassis
- (1) Alum Toolbox 24"x42"x100" - Behind Cab
- (2) Alum Toolbox 18"x18"x30" - Passenger
- (2) Alum Toolbox 18"x18"x24" - Rear\*
- \*N/A ON SINGLE AXLE CHASSIS
- (1) Alum Long Handle Storage
- LED D.O.T. Approved Lighting

**Hose Reel & Hose:**

- Front Mounted Telescoping & Rotating
- 800' x1" Capacity
- 10' Leader Hose
- Single Side Controls

**Accessories:**

- (3) 8" x 6' Extension Tube
- (1) 8" X 4' Extension Tube
- (1) 8" x 6' Crowned Suction Nozzle
- (1) 6" x 10' Flat Discharge Hose
- (6) Quick Clamps
- BB Hose Guide
- Tri-Star (chisel point) nozzle
- DD (high flow) nozzle
- Finned Nozzle extension
- Nozzle Rack (Mounted midship toolbox)
- 25' Fill Hose
- Upstream Pulley Guide
- Washdown gun w/ 50' ext. hose
- (1) Torch Tip Cleaner - Size 8-45 (.069-.120")
- (1) Hydrant Wrench
- (1) Paper Owner's Manual

<b>BASE UNIT AS OUTLINED ABOVE</b>	<b>\$247,764.00</b>	<b>1</b>	<b>\$247,764.00</b>
	LIST PRICE OF SELECTED OPTIONS:		\$79,259.00
	LESS PERCENTAGE DISCOUNT (enter % →)		\$ -
	<b>NET PRICE OF UNIT:</b>		<b>\$327,023.00</b>
<b>CUSTOMER_SUPPLIED_CHASSIS</b>	<b>FREIGHTLINER 114-SD (TANDEM)</b>		\$115,000.00
	ESTIMATED FREIGHT:		\$3,800.00
	<b>ESTIMATED TOTAL:</b>		<b>\$ 445,823.00</b>

**FOR ALL NON STANDARD OPTIONS PLEASE CONTACT FACTORY FOR PRICING**

**STANDARD OPTIONS:**

<b>HOSE REEL ASSEMBLY:</b>	<b>LIST PRICE</b>		<b>TOTAL</b>
AUTOMATIC LEVEL WIND WITH HYDRAULIC UP/DOWN ACTION	\$7,687.00	1	\$7,687.00
FOOTAGE METER (mounted on jet hose reel)	\$779.00	1	\$779.00
SEWER HOSE (1" I.D., 2500 P.S.I. OPERATING PRESSURE) PER FT	\$4.43	600	\$2,658.00
<b>CLEANING ATTACHMENTS:</b>			
SIX (6) 28" D.O.T. SAFETY CONES AND HOLDER	\$370.00	1	\$370.00

CENTRAL LUBRICATION SYSTEM	\$2,908.00	1	\$2,908.00
<b>WATER PUMPS:</b>			
TRIPLEX PLUNGER STYLE GIANT WATER PUMP RATED AT 80 GPM @ 2000 PSI (includes drain valves)	\$9,606.00	1	\$9,606.00
<b>WATER TANKS:</b>			
ADDITIONAL 200 GALLON DURAPROLENE™ WATER TANK W/ 10 YEAR WARRANTY- (driver side rail) Note #1: Subject to chassis load capacity specifications.	\$8,064.00	1	\$8,064.00
<b>WATER SYSTEM ATTACHMENTS:</b>			
FILL HOSE STORAGE RACK	\$209.00	1	\$209.00
STANDARD HYDROEXCAVATION CLEANING KIT 20 GPM @ 2000 PSI ( 8" x 6' digging tube, 8gpm rotary digging wand, 10gpm linear nozzle (shipped loose), (2) 5' Extension wands and automatic reel w/ 75' of 3/8" hose)	\$6,461.00	1	\$6,461.00
2" Y-STRAINER ON INLET FILL SYSTEM	\$785.00	1	\$785.00
CENTRAL WASHDOWN SYSTEM (includes 50' of 1/2" hose on a spring retracting hose reel mounted mid-ship)	\$1,452.00	1	\$1,452.00
<b>TOOLBOX CONFIGURATIONS:</b>			
BUMPER MOUNTED ALUMINUM TOOL BOX (1) 10"x12"x22" (mounted driver side front bumper)	\$986.00	1	\$986.00
LONG HANDLED TOOL STORAGE (TWO (2) 4" TUBES) & CABINET	\$790.00	1	\$790.00
<b>DEBRIS BOX &amp; BOOM:</b>			
DEBRIS BODY PUMP OFF SYSTEM (4" hydraulic driven pump rated @ 800 gpm located on rear door of debris box, includes swing out decant screen)	\$13,093.00	1	\$13,093.00
DEBRIS LIQUID LEVEL AUDIBLE ALARM (level set point is adjustable) Note: Tied to vacuum relief and opens vacuum relief valve.	\$900.00	1	\$900.00
TELESCOPING BOOM SYSTEM (identical reach as standard)	\$4,917.00	1	\$4,917.00
DEBRIS BODY WASH OUT SYSTEM (includes dual nozzles in debris box)	\$1,229.00	1	\$1,229.00
DECANT SCREEN ON REAR DOOR PORT (swing out perforated shield)	\$1,450.00	1	\$1,450.00
<b>ELECTRICAL &amp; LIGHTING:</b>			
WIRELESS REMOTE CONTROL PENDANT (controls include hose reel payout/retrieve, water pump on/off, vacuum relief on/off, boom up/down, boom left/right, boom extend/retract and module kill switch)	\$4,542.00	1	\$4,542.00
ENHANCED VISIBILITY CAMERA SYSTEM (includes front and rear mounted camera heads with split screen monitor in cab)	\$1,579.00	1	\$1,579.00
LED ROTATING BEACON: LOCATED ON BOOM SUPPORT (factory standard)	\$563.00	1	\$563.00
LED STROBE LIGHT: LOCATED ON BOOM SUPPORT (factory standard)	\$544.00	1	\$544.00
LED ARROW STICK (factory standard)	\$1,106.00	1	\$1,106.00
LED MANHOLE AREA WORK LIGHT	\$467.00	1	\$467.00
LED BOOM MOUNTED WORK LIGHTS (2) (complete with limb guard)	\$963.00	1	\$963.00
LED REAR MOUNTED WORK LIGHTS (2) : LOCATED ABOVE REAR DOOR	\$963.00	1	\$963.00
LED HANDHELD WIRELESS 12v/110v RECHARGABLE LED SPOTLIGHT W/ STORAGE	\$347.00	1	\$347.00
<b>CHASSIS:</b>			
AIR PURGE WINTERIZATION SYSTEM (supplied by chassis air system)	\$1,415.00	1	\$1,415.00
TOW HOOKS (2) Note: Location Required (FRONT / REAR / FRONT & REAR)	\$718.00	1	\$718.00
<b>PAINT:</b>			
DEBRIS BOOM: STANDARD • STERLING WHITE (FDG91327)	STANDARD		
DEBRIS TANK: STANDARD • STERLING WHITE (FDG91327)	STANDARD		
HOSE REEL - UPRIGHT STANDARD • SEWER BLUE (PAN 287)	STANDARD		
FRAME: • STANDARD BLACK (FDG9000)	STANDARD		
SLIDE FRAME: • STANDARD BLACK (FDG9000)	STANDARD		
SPECIAL PAINT: SOLID COLORS	\$2,679.00		\$0.00

FREIGHT AND/OR APPLICABLE TAXES ARE NOT INCLUDED

2019

SPECIAL PAINT: METALLIC OR CLEAR COAT		CONTACT FACTORY	
<b>MANUALS &amp; TRAINING:</b>			
ADDITIONAL PAPER OPERATORS MANUAL	\$79.00		\$0.00
USB OPERATORS MANUAL	\$58.00	1	\$58.00
TRAINING - CUSTOMER LOCATION (1 DAY)	\$1,650.00	1	\$1,650.00
TRAINING - CUSTOMER LOCATION (ADDITIONAL DAY)	\$1,229.00		\$0.00
TRAINING - SEWER EQUIPMENT UNIVERSITY (DIXON, IL) (2 DAYS)	\$847.00		\$0.00
<b>SPECIAL ITEMS:</b>			
	\$0.00		\$0.00
	\$0.00		\$0.00
	\$0.00		\$0.00
	\$0.00		\$0.00
	\$0.00		\$0.00
	\$0.00		\$0.00
	\$0.00		\$0.00
	\$0.00		\$0.00
	\$0.00		\$0.00
SIGNATURE		DATE	
Please return a signed copy to <a href="mailto:bigequipment@SewerEquipment.com">bigequipment@SewerEquipment.com</a>			

# SEWER EQUIPMENT CO. of AMERICA

SEWER EQUIPMENT  
CO. of AMERICA



MODEL 900 ECO



# BEST PRODUCTS, BEST LOCAL SUPPORT



## 900 ECO Truck

Sewer Equipment Co. of America introduces the 900 ECO Combination Sewer Cleaner utilizing proven technologies to deliver a machine with simplicity that is unequalled in the industry. As with our leading 747 ECO trailer jet and 800-HPR ECO truck jet, the Model 900 ECO operating platform offers the best in class fuel efficiency and noise reduction for operator safety. Sewer Equipment: Best Products, Best Local Support.



Life used to be so simple, and chances are, so was your combination truck. All indicators are that times have changed in the equipment market, and users are being forced to accept increased complexity when they purchase a new piece of equipment. Operators, mechanics and supervisors are left wondering what happened to their old truck that was so easy to operate and maintain.

At Sewer Equipment, we have been wondering the same thing. Do things like CAN Bus communication systems, touch screen interfaces and computer controlled logic result in increased productivity, cost effectiveness, operator satisfaction, reliability, longevity or safety? In talking to most owners, the answer is an emphatic, "NO!"

Introducing the Sewer Equipment Co. of America Model 900 ECO, a machine that puts safety, simplicity and reliability back into your work day. How do we do it?

It starts with our exclusive "Hydro Drive" powertrain system, which powers the pump, the blower and the auxiliary hydraulic systems. When you are ready to work, simply put the truck in neutral, apply the parking brake and exit the cab. The truck remains in neutral and power is taken directly from the chassis engine, assuring operator safety during operation, as there is no transfer case to slip into gear.

We have made the operator interface as easy as 1-2-3-4. An operator must flip a switch to put the truck into "Work Mode" and from there you can engage switches for the water pump, blower and throttle. No special sequence, that's it!

The simplicity continues as our unit is also controlled via 12 volt switches, relays and solenoids, as well as manual hydraulic controls. Operators can be trained to safely operate the truck in minutes, not days or weeks. Mechanics can perform diagnostic analysis with a simple test light and a hydraulic pressure gauge, no laptop with special programs required.

The Model 900 ECO also operates at 35% lower RPM's than the competition, consuming considerably less fuel than traditional designs, adding to your bottom line each year. Perhaps more importantly, lower RPM's equate to less noise emission. Complaints from residents are minimized, and operators enjoy a higher level of safety when they can hear each other and the traffic around them.

So, why has equipment become so complex? Most manufacturers in the sewer cleaning industry have chosen to use CAN Bus communication to control functions via ECU's (Electronic Control Units) on their units. In theory, this technology promises ease of operation and troubleshooting, as well as increased efficiency and productivity. However, in reality, operators are faced with a truck that requires navigation of control menus to perform simple functions, and a truck that mechanics cannot diagnose without specialized training and a laptop equipped with the proper diagnostics program. All things combined, the claim of increased efficiency and productivity quickly dissolves.

Whether you choose your next combination truck based on productivity, reliability, safety, overall value, ease of operation, ease of maintenance or any combination of these traits, the choice is simple: the Model 900 ECO.



# TOLL FREE 800.323.1604

# MODEL 900 ECO



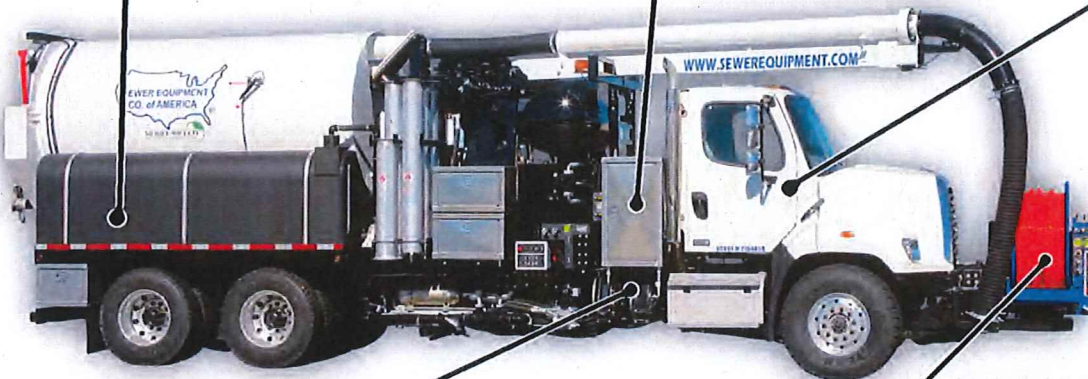
**WATER TANK PROFILE:** Exclusive Duraprolene™ construction offers 100% immunity to corrosion and dents for unparalleled service life and eliminates the need for draining during storage. The fully baffled construction eliminates sloshing and allows safe travel while full, or partially full of water.



**POWERTRAIN:** The most advanced powertrain in the industry, our exclusive "Hydro Drive" powertrain system takes all required power directly from the chassis engine. There is no need for an auxiliary engine, and unlike most other designs, our truck remains in neutral while in work mode, increasing operator peace of mind and safety, as no transfer case is needed.



**START UP:** Operator simplicity begins in the cab. Simply put the truck in neutral and engage the parking brake. That's it! All other jetting and vacuum functions are controlled from the operator interface on the hose reel.



**CHASSIS INTEGRATION:** Sewer Equipment's only interface between our module and the chassis is via the OEM throttle control port. This intentional lack of integration eliminates problems caused by CAN Bus communication issues between the chassis and module, which are typical on competitor's designs. If this seems like an insignificant detail, please ask for your fleet manager's opinion.



**OPERATOR INTERFACE:** Going to work is as simple as 1-2-3-4. Simply engage the following switches:

1. Work Mode - ON
2. Water Pump - ON
3. Blower - ON
4. Throttle - ON

You are now jetting and vacuuming. Compare this to the "rocket ship" controls of other equipment that include touch screens and digital displays. Our easy-to-use and easy-to-understand controls enhance safety and long term reliability, while making an operator's job more pleasant.



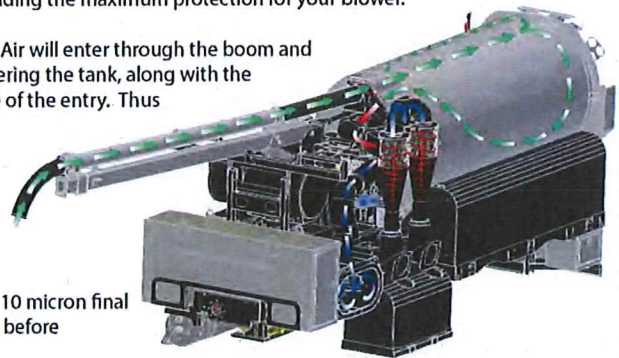
## Air Flow System

The air system is the secret behind our industry leading performance. Our air system is designed to deliver industry leading air movement, while providing the maximum protection for your blower.

The first stage in the air system is the debris tank. Air will enter through the boom and material will impact the back of the debris tank and start to drop into the tank. The air entering the tank, along with the material, is routed from the single 8" entry point to dual 10" exit points located at each side of the entry. Thus slowing down the air flow and improving material separation.

The second stage of the air system takes the air from the tank and routes it into our cyclone separators. At this point the cyclonic action of these separators propel any remaining material to the side walls and then down into an easily maintained collection box.

In the final stage of the air system, the air moves from the cyclone separators into the dual 10 micron final filters. These washable filters will capture any remaining fine particles still in the air stream before allowing the air to pass through the positive displacement blower.



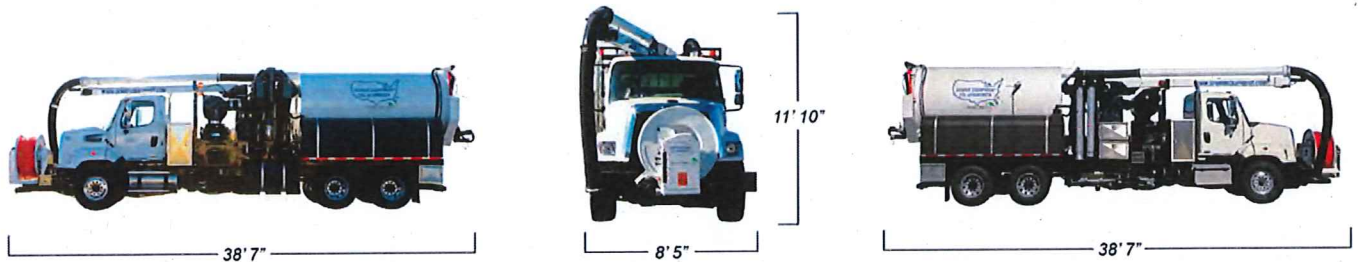
# SEWEREQUIPMENT.COM



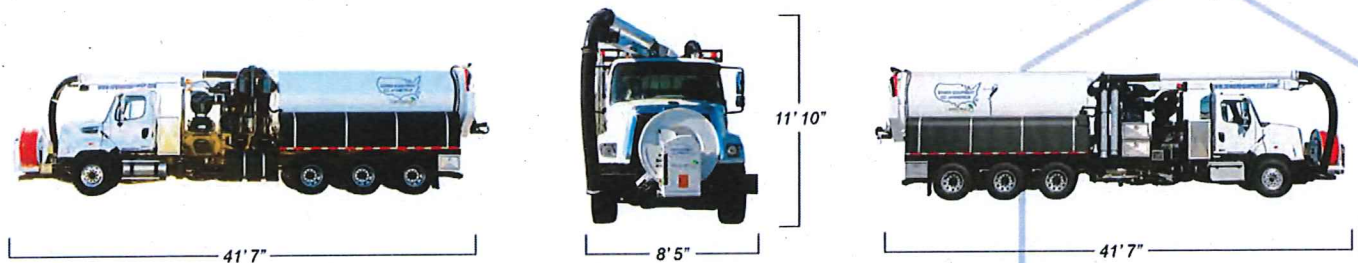
# BEST PRODUCTS, BEST LOCAL SUPPORT



MODEL	DEBRIS CAPACITY	LENGTH	WIDTH	HEIGHT	MAX WATER CAPACITY	AXLE CONFIGURATION	MAX HOSE CAPACITY	HOSE SIZE	MIN HP	BOOM EXTENSION
9 YRD	9 YARD	35'7"	8'5"	11'10"	1400 gallon	Single Axle	800'	3/4" - 1"	370 HP	10'



MODEL	DEBRIS CAPACITY	LENGTH	WIDTH	HEIGHT	MAX WATER CAPACITY	AXLE CONFIGURATION	MAX HOSE CAPACITY	HOSE SIZE	MIN HP	BOOM EXTENSION
12 YRD	12 YARD	38'7"	8'5"	11'10"	1750 gallon	Tandem Axle	800'	3/4" - 1"	370 HP	10'



MODEL	DEBRIS CAPACITY	LENGTH	WIDTH	HEIGHT	MAX WATER CAPACITY	AXLE CONFIGURATION	MAX HOSE CAPACITY	HOSE SIZE	MIN HP	BOOM EXTENSION
15 YRD	15 YARD	41'7"	8'5"	11'10"	2100 gallon	Tridem or Tandem w/ Pusher Axle	800'	3/4" - 1"	370 HP	10'

## TOLL FREE 800.323.1604

# MODEL 900 ECO

Water System	Truck	Hose Reel & Hose
Cold Weather Recirculation System	S Air Purge Winterization System	O Front Mounted Telescoping & Rotating
2.5" Hydrant Fill System	S Tow Hooks (2)	O 800' x 1" Capacity
Air Purge Valve	S Combination Heavy Duty/Ball Pintle	O 10' Leader Hose
Variable Volume Delivery	S Central Lubrication System	O Single Side Controls
Low Water Warning Light	S Hydraulic Tool Circuit via Hydraulic	O Automatic Level Wind
Analog Pressure Display	S Diverter Valve	O with Hydraulic Up/Down Action
Front and Rear Hand Gun Ports	S <b>Debris Tank &amp; Rear Door</b>	O Digital "SMART COUNTER" Footage Meter
Fill Hose Storage Rack	O 9 Cubic Yard Capacity	S Secondary Operators Station
Standard Hydro Excavation Cleaning Kit	O 12 Cubic Yard Capacity	O Pinch Roller
Cold Weather Hydroexcavation Cleaning Kit	O 15 Cubic Yard Capacity	O Testing Fee
2" Y-Strainer on Inlet Fill System	O Debris Level Indicator	S Sewer Hose (1" I.D., 2500 P.S.I. Operating Pressure) Per Ft
Anti-Freeze System	O Hydraulic Dump, 50 Degree Dump Angle	S Sewer Hose (3/4" I.D., 3000 P.S.I. Operating Pressure) Per Ft
<b>Water Pumps</b>	Dual Ported Rear Door w/ Knife Valve	S 25' x 1" Leader Hose
Triplex Plunger Water Pump w/ 30 Minute Run-Dry: 65 gpm @ 2000 PSI Performance	S Dump Height 60"	O <b>Electrical</b>
Triplex Plunger Water Pump w/ 30 Minute Run-Dry: 80 gpm @ 2000 PSI	O Hydraulic Open/Close/Lock Door	O NEMA 4 Control Panel
Triplex Plunger Water Pump w/ 30 Minute Run-Dry: 55 gpm @ 3000 PSI	O Debris Body Pump Off System	O Hour Meter (Blower & Water Pump)
Single Piston 65 GPM @ 2500 PSI Water Pump	O Debris Liquid Level Audible Alarm	O Military Spec. Sealed Switches
Single Piston 80 GPM @ 2500 PSI Water Pump	O Additional 6" Knife Valve on Rear Door Complete with Inlet Strainer	O Wireless Remote Control Pendant
Accumulator for Single Piston Pump	O Decant Screen on Rear Door Port	O Wired Remote Control Pendant w/35' Cord
<b>Water Tanks</b>	O Debris Inlet Water Misting System	O Enhanced Visibility Camera System
Black Duraprolene Water Tank Construction	O <b>Boom</b>	S LED Rotating Beacon
900 Gallon Capacity Water Tank	S Hydraulic Powered Boom	O LED Strobe Light
Base 1200 Gallon Black Duraprolene Water Tank (debris box saddle)	S 180 Degree Working Radius	S Limb Guard
Base 1500 Gallon Black Duraprolene Water Tank (debris box saddle)	O 10' Extendable Design	S LED Arrow Board
Additional 200 Gallon Duraprolene Water Tank (driver side rail)	O 70 Degree Steel Elbow	O LED Arrow Stick
Additional 150 Gallons Duraprolene Water Tank (between rails)	O Telescoping Boom System	S LED Panel Mounted Work Light
Additional 200 Gallons Duraprolene Water Tank (between rails)	O <b>Vacuum System</b>	S LED Manhole Area Work Light
Additional 250 Gallons Duraprolene Water Tank (between rails)	O 4400 CFM Blower	S LED Curbside Body Mounted Work Light
Additional 75 Gallons Duraprolene Water Tank (passenger side rail)	O 8" Vacuum Hose System	S LED Boom Mounted Work Lights (2)
Upgrade Duraprolene Water Tank From 7yr to 10yr Warranty	O 18" Hg Vacuum Rating	S LED Rear Mounted Work Lights (2)
Water Tank Low Level Audible	O Dual Cyclone Separator	S LED Handheld Wireless 12v/110 Rechargeable
<b>Manual &amp; Training</b>	O Dual Element 10 Micron Final Filter	O LED Spotlight w/Storage
(1) Paper Owner's Manual	O Remote Vacuum Relief	S <b>Accessories</b>
Additional Paper Operators Manual	O Variable Volume Delivery	O (3) 8" x 6' Extension Tubes
Cd-Rom Operator's Manual	O Analog Vacuum Display	S (1) 8" x 4' Extension Tubes
Onsite Factory Training (1day)	O <b>Toolbox Configurations</b>	S (1) 6" x 10' Lay Flat Hose
Onsite Factory Training (additional per/day)	O (1) Alum Toolbox 24" x 36 x 96" - Behind Cab	S (1) 8" x 6" Crowned Suction Nozzle
	O (2) Alum Toolbox 18" x 18" x 30" - Passenger	S (5) Quick Clamps
	O (2) Alum Toolbox 18" x 18 x 24" - Rear	S BB Hose Guide
	O (1) Alum Long Handle Storage - Rear	O Toolbox Configurations
	O Additional 18" x 18" x 30" Aluminum Toolbox Bumper Mounted Aluminum Tool Box	S Tri-Star (chisel point) nozzle
	O (1) 12" x 12" x 14"	S DD (high flow) nozzle
	O <b>Paint (Module)</b>	S Fanned Nozzle Extension
	O Debris Tank - Boom: Standard White	S Nozzle Rack
	O Hose Reel - Upright: Sewer Blue	S 25' Fill Hose
	O All Other Colors (all colors except metallics)	S Upstream Pulley Guide
		S Washdown gun w/ 25' ext. hose
		S (1) Fan Nozzle (for Washdown Gun)
		S (1) Hydrant Wrench
		S LED D.O.T. Approved Lighting
		S (6) 18" D.O.T. Safety Cones and Holder

Legend	
Standard	S
Optional	O

MODEL	DEBRIS CAPACITY	LENGTH	WIDTH	HEIGHT	MAX WATER CAPACITY	AXLE CONFIGURATION	MAX HOSE CAPACITY	HOSE SIZE	MIN HP	BOOM EXTENSION
900 ECO	9 YARD	35'7"	8'5"	11'10"	1400 gallon	Single Axle	800'	3/4" - 1"	370 HP	10'
	12 YARD	38'7"	8'5"	11'10"	1750 gallon	Tandem Axle	800'	3/4" - 1"	370 HP	10'
	15 YARD	41'7"	8'5"	11'10"	2100 gallon	Tridem or Tandem w/ Pusher Axle	800'	3/4" - 1"	370 HP	10'



# SEWER EQUIPMENT CO. OF AMERICA

Revised 05/17

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Products subject to change without notification.

Actual products may not be an exact match to product as shown.

**800.323.1604**  
**[www.sewerequipment.com](http://www.sewerequipment.com)**

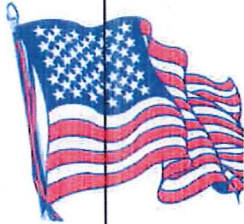


Town of Franklin  
 Sewer Capital Improvement  
 Fiscal Year 2019

Project #	Vehicle and Equipment	Funding Priority	Life Expectancy	Annual Operating Expenses	Asset/Project Costs
Request #3	Vehicles and Equipment	2 - Maintenance - operational necessity	10 years	\$ -	\$ 105,000
Asset/Project Description	Replace W-16 F350 with plow - \$55,000 Replace W-24 F350 dump body with plow - \$50,000				

**Priority Coding**

- 1 - Threat to Citizens or Employees health, safety or property
- 2 - Maintenance - operational necessity
- 3 - Requirement of State or Federal Law or Regulation
- 4 - Improvement of Infrastructure
- 5 - Improved productivity
- 6 - Alleviation of an overtred/overburdened situation



# Liberty Chevrolet

November 7, 2018

Town of Franklin  
Attn: Mr. Deacon Perrotta  
Director of Operations  
40 Hayward Street  
Franklin, MA 02038

Dear Sir,

Per your request, I am writing to offer a proposal to supply your department with a new Chevrolet. Pricing per GBPC 2019 Vehicles & GBPC 2019 Aftermarket Equipment Supplied & Installed. All vehicles offered under this contract come with a 5 Year/100,000 mile powertrain warranty.

2019 Chevrolet Silverado CK36003 Cab & Chassis \$31,495.00

**Stock Vehicles are Equipped with the Following:**

353	QZT All Terrain Tires DRW	\$194.00
355	ZZT Spare Tire & Wheel	\$368.00
358	VYU Snow Plow Prep Package	\$373.45
357	PCR Fleet Convenience Package	\$863.30
365	JL1 Trailer Brake Controller	\$266.75
366	RVS 4" Black Tube Steps	\$611.10
	Red Hot Paint	Included

**Customer Requested Option**


5131	Knapheide 9' Long Steel Service Body DRW	\$9,000.00
5135	PPC Paint Upgrade Level 2	\$1,350.00
5141	Frame Mounted Receiver Hitch Plug	\$600.00
5183	Rhino Spray Liner Package 9' Utility Cargo Area and Tailgate	\$1,250.00
5185	Upgrade Rhino Tops of the Utility	\$100.00
110	Whelen Mini Liberty II Light Bar Model #1T9BHBP With LED Modules	\$1,250.00
5594	(4) Whelen Vertex LED Flashers	\$800.00
	Backup Alarm	\$179.00
	Cab & Chassis Color: Red Hot	N.C.

**Total Truck \$48,700.60**



If you have any questions, please don't hesitate to contact me directly.

Sincerely,

A handwritten signature in cursive script that reads "Wayne Wardwell". The signature is written in black ink and is positioned to the right of the word "Sincerely,".

Wayne Wardwell  
General Fleet Manager



## 2019 F350 Stainless Steel Dump / Plow

Vehicle Pricing - Valid for 2019 calendar year

\$59,860.00

### Body and Equipment

#### DUMP BODY

RUGBY 9' 2-3 YARD STAINLESS STEEL DUMP BODY

DROP-DOWN SIDES

1/4 CABSHIELD WITH WINDOW 12GA 201 STAINLESS STEEL

LED LIGHT KIT

DOUBLE ACTING (POWR UP / DOWN) ELECTRIC / HYDRAULIC HOIST 10.6T CAPACITY

HOIST CONTROLLER WILL BE LOOSE IN CAB WITH 2' LEAD

MANUAL TARP AND ROLLER

FULL PLATE PINTLE HOOK WITH ICC BUMPER 15 TON PINTLE

6 PRONG TRAILER SOCKET

(2) 6.5" OVAL AMBER LED STROBES IN FRONT OF CABSHIELD

(2) 6.5" OVAL AMBER LED STROBES IN REAR OF BODY

SWITCHED SEPARATELY ON FACTORY SWITCHES

#### I-PACK TOOLBOX

KNAPHEIDE "I" PAK TOOL BOX 24"L X 55"H X 82"W

PAINTED BASE / CLEAR TO MATCH CAB

#### SNOWPLOW

FISHER 9' HD2 ELECTRIC HYDRAULIC SNOWPLOW

CUTTING EGDE

FISHSTICK HAND HELD CONTROL

FISHER STEEL SNOFOIL ASSY FOR HD2 PLOW

Prices and content availability as shown are subject to change and should be treated as estimates only. Actual base vehicle, package and option pricing may vary from this estimate because of special local pricing, availability or pricing adjustments not reflected in the dealer's computer system. See salesperson for the most current information.



## Selected Options

### Description

#### Base Vehicle

Base Vehicle Price (F3H)

#### Packages

Order Code 640A

N/C

*Includes:*

- Engine: 6.2L 2-Valve SOHC EFI NA V8 (Flex-Fuel)
- Transmission: TorqShift 6-Speed Automatic (6R140)
- Includes SelectShift.
- 3.73 Axle Ratio
- GVWR: 14,000 lb Payload Package
- Tires: LT245/75Rx17E BSW PLUS A/S
- Wheels: 17" Argent Painted Steel
- Hub covers/center ornaments not included.
- HD Vinyl 40/20/40 Split Bench Seat
- Includes center armrest, cupholder, storage and driver's side manual lumbar.
- Radio: AM/FM Stereo
- Includes 4-speakers.

#### Powertrain

Engine: 6.2L 2-Valve SOHC EFI NA V8 (Flex-Fuel)

Included

Transmission: TorqShift 6-Speed Automatic (6R140)

Included

*Includes SelectShift.*

Limited Slip w/4.30 Axle Ratio

\$323.00

GVWR: 14,000 lb Payload Package

Included

#### Wheels & Tires

Tires: LT245/75Rx17E BSW A/T

\$152.00

Wheels: 17" Argent Painted Steel

Included

*Hub covers/center ornaments not included.*

#### Seats & Seat Trim

HD Vinyl 40/20/40 Split Bench Seat

Included

*Includes center armrest, cupholder, storage and driver's side manual lumbar.*

#### Other Options

Monotone Paint Application

STD

169" Wheelbase

STD

Power Equipment Group

\$841.00

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## Selected Options (cont'd)

### Description

*Deletes passenger side lock cylinder. Includes upgraded door-trim panel.*

*Includes:*

- Accessory Delay
- Advanced Security Pack  
*Includes SecuriLock Passive Anti-Theft System (PATS) and inclination/intrusion sensors.*
- Trailer Tow Mirrors w/Power Heated Glass  
*Includes manual telescoping, heated convex spotter mirror and integrated clearance lamps/turn signals.*
- MyKey  
*Includes owner controls feature.*
- Power Front Side Windows  
*Includes 1-touch up/down driver/passenger window.*
- Power Locks
- Remote Keyless Entry

Snow Plow Prep Package \$171.00

*Includes pre-selected springs (see Order Guide Supplemental Reference for springs/FGAWR of specific vehicle configurations). NOTE 1: Restrictions apply; see Supplemental Reference or Body Builders Layout Book for details. NOTE 2: Also allows for the attachment of a winch.*

4x4 Electronic-Shift-On-The-Fly (ESOF) \$171.00

*Includes manual-locking hubs and auto rotary control on instrument panel.*

Extra Extra Heavy-Duty Alternator (240 Amp) N/C

Trailer Brake Controller \$249.00

*Includes smart trailer tow connector. Verified to be compatible with electronic actuated drum brakes only.*

Platform Running Boards \$295.00

Radio: AM/FM Stereo Included

*Includes 4-speakers.*

Front Splash Guards/Mud Flaps (Pre-Installed) \$69.00

*Custom accessory.*

### Fleet Options

XL Decor Group \$203.00

Requires valid FIN code.

*Includes:*

- Chrome Front Bumper

### Emissions

50-State Emissions System STD

### Interior Colors

Medium Earth Gray N/C

### Primary Colors

Race Red N/C

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**Town of Franklin  
Sewer Capital Improvement  
Fiscal Year 2019**

Project #	Collection System Repairs and Improvements	Funding Priority	Life Expectancy	Annual Operating Expenses	Asset/Project Costs
Request #4	Collection System Repairs and Improvements	4 - Improvement of Infrastructure	50 years	\$ -	\$ 300,000
Asset/Project Description	Phase VI Sewer Rehabilitation Construction				
		<b>Priority Coding</b>			
		1 - Threat to Citizens or Employees health, safety or property			
		2 - Maintenance - operational necessity			
		3 - Requirement of State or Federal Law or Regulation			
		4 - Improvement of Infrastructure			
		5 - Improved productivity			
		6 - Alleviation of an overted/overburdened situation			





		Town of Franklin Sewer Capital Improvement Plan 5 Year Plan									
		Odometer Readings	Year Purchased	Item Description	Replace Cycle	Year 1 FY19	Year 2 FY20	Year 3 FY21	Year 4 FY22	Year 5 FY23	
W-6		11,175	2017	Ford F-150	2025						
W-8		16,894	2007	International Sewer Vactor	2017	\$450,000					
W-9		35,690	2015	Ford 550 Dual Wheel	2023						
W-11		2,768 hrs	2006	Case Backhoe	2026						
W-16			2005	Ford F-350 Pick up	Out of service	\$50,000					
W-22		65,685	2013	Ford F-150 Pick up	2021	\$30,000					
W-24		23,119	2008	Ford F-550 Dump Truck	2018	\$50,000					
<b>Total Fleet</b>						\$550,000	\$0	\$30,000	\$0	\$0	
		Hours	KW	Make	Year Installed	Replace Year	FY19	FY20	FY22	FY23	
9 Ainsley Dr.			15	Generac							
35 Bridle Path			25	Generac							
65 B Charles River Dr.		436	35	Katolight	1999	2029					
59 B Anthony Rd.		117	30	Superior	2005	2035					
8 A Dawn Marie Cir.		513	15	Generac	1988	2018		\$40,000			
445 East Central St.		260	60	Superior	2000	2030					
32 Liberty Way (FIP)		90	125	Olympian	2007	2037					
Grove #1		95	18	Wisconsin	1986	2016					
Grove #2		40	18	Wisconsin	1986	2016					
34 A Jackson Cir.		114	35	Wisconsin	1998	2028					
3 Jefferson Rd.		394	25	Generac	1990	2020					
18 Kenwood Cir.		709	45	Kohler	1996	2026	\$40,000				
Milliken Ave.		408	100	Superior	1998	2028					
2 Monterey Dr.		8	40	Generac	2017	2047					
180 Longhill Rd.		1027	30	Kohler	1993	2023					
4 Oxford Dr.		222	35	Kohler	1997	2027					
46 Palomino Dr.		782	35	Kohler	1998	2028					
61 Populatic St.		452	45	Kohler	2001	2031					
2 Red Gate Lane		730	50	Kohler	1995	2025					



Town of Franklin  
 School Capital Improvement Plan  
 Fiscal Year 2019

Project #	Asset/ Project Name	Funding Priority	Life Expectancy	Annual Operating Expenses	Assets/Project Costs
Request #1	8 Passenger Special Ed Van	3 - Requirement of State or Federal Law or Regulation	7-10 years	\$ -	\$ 48,000.00
Request #2	Chromebooks	2 - Maintenance - operational necessity	years	\$ -	\$ 100,000.00
Request #3	Replace aging teacher computers	2 - Maintenance - operational necessity	years	\$ -	\$ 146,000.00
Request #4	Double Stack Combination Oven	4 - Improvement of Infrastructure	15-20 years	\$ -	\$ 20,000.00
Request #5	Clear Touch Interactive Displays	4 - Improvement of Infrastructure	year	\$ -	\$ 22,800.00
Request #6	Aesop Substitute Software	4 - Improvement of Infrastructure	years	\$ -	\$ 12,000.00
<b>Total Capital Improvement Request</b>					<b>\$ 348,800.00</b>

**Priority Coding**

- 1 - Threat to Citizens or Employees health, safety or property
- 2 - Maintenance - operational necessity
- 3 - Requirement of State or Federal Law or Regulation
- 4 - Improvement of Infrastructure
- 5 - Improved productivity
- 6 - Alleviation of an overted/overburdened situation











Town of Franklin  
 School Capital Improvement Plan  
 Fiscal Year 2019

Project #	Asset/Project Name	Funding Priority	Life Expectancy	Annual Operating Expenses	Asset/Project Costs
Request #5	Clear Touch Interactive Displays	4 - Improve	year	\$ -	\$ 22,800.00
Asset/Project Description	<p>We are seeking six Clear Touch Interactive Displays in ECDC classrooms to ensure a contemporary education is being provided, consistent with the MA state frameworks and new curricular materials, and ensuring equal access to technology for all students. Projectors have been installed throughout every classroom in the district other than the ECDC. ECDC currently has one touch screen display which is being used as a pilot to determine whether these devices would be utilized effectively. The display is currently used on a rotating basis among the classes. There are no Smartboards in ECDC classrooms and the touchscreen displays would be best suited for our early childhood population.</p>	<p><b>Priority Coding</b></p> <p>1 - Threat to Citizens or Employees health, safety or property            2 - Maintenance - operational necessity            3 - Requirement of State or Federal Law or Regulation            4 - Improvement of Infrastructure            5 - Improved productivity            6 - Alleviation of an overted/overburdened situation</p>			



City of Franklin  
Capital Improvement Plan  
5 Year Plan

	Odometer Readings	Year Purchased	Item Description	Replace Cycle	Year 1 FY18	Year 2 FY19	Year 3 FY20	Year 4 FY21	Year 5 FY22
<i>Fleet Requests</i>									
<b>Total Fleet</b>					\$ -	\$ -	\$ -	\$ -	\$ -
<i>Equipment Requests</i>									
\$100K - Social Studies and Civics Resources		FY20					100,000		
\$200K - Elementary Math		FY21						200,000	
\$100K - ELA replenishment of trade resources for MS and HS		FY22							100,000
<b>Total Equipment</b>					\$ -	\$ -	100,000.00	200,000	100,000
<i>Technology Requests</i>									
Teacher Laptop Replacement & 500 Chromebooks	\$250	FY20					250,000		



**City of Franklin  
Capital Improvement Plan  
5 Year Plan**

	Year Purchased	Item Description	Replace Cycle	Year 1 FY18	Year 2 FY19	Year 3 FY20	Year 4 FY21	Year 5 FY22
<b>Total Capital Improvement Requests</b>				\$ -	\$ -	350,000.00	450,000.00	350,000.00



Town of Franklin Technology Capital Improvement Plan Fiscal Year 2019						
Project #	Asset/ Project Name	Funding Priority	Life Expectancy	Annual Operating Expenses	Assets/Project Costs	
Request #1	Copier Replacement	6 - Alleviation	0 years	\$ -	\$ 12,000	
Request #2	Sophos antivirus Licensing	2 - Maintenance	years	\$ -	\$ 13,000	
Request #3			years	\$ -	\$ -	
<b>Priority Coding</b>						
1	Threat to Citizens or Employees health, safety or property					
2	Maintenance - operational necessity					
3	Requirement of State or Federal Law or Regulation					
4	Improvement of Infrastructure					
5	Improved productivity					
6	Alleviation of an overted/overburdened situation					
<b>Total Capital Improvement Request</b>					<b>\$ 25,000</b>	









Town of Franklin Facilities Capital Improvement Fiscal Year 2019						
Project #	Asset/ Project Name	Funding Priority	Life Expectancy	Annual Operating Expenses	Assets/Project Costs	
Request #1	Replacement of Keller-Sullivan gas fired rooftop units	2 - Maintenance - operational necessity	15	\$ -	\$ 250,000.00	
Request #2	Municipal building window project	1 - Threat to Citizens or Employees health, safe	30	\$ -	\$ 750,000.00	
Request #3	Parmenter Canopy Structural Repairs	2 - Maintenance - operational necessity	20 years	\$ -	\$ 30,000.00	
Request #4	Municipal Portable Generator	1 - Threat to Citizens or Employees health, safe	25 years	\$ -	\$ 90,000.00	
Request #5	Horace Mann Courtyard drainage improvements	4 - Improvement of Infrastructure	20 years	\$ -	\$ 100,000.00	
Request #6	Police station feasibility study	1 - Threat to Citizens or Employees health, safe	15 years	\$ -	\$ 150,000.00	
Request #7	Security Improvements at all middle and elementary schools	1 - Threat to Citizens or Employees health, safe	8 years	\$ -	\$ 250,000.00	
Request #8		2 - Maintenance - operational necessity		\$ -		
Request #9			years	\$ -	\$ -	
Request #10			years	\$ -	\$ -	
<b>Total Capital Improvement Request</b>					<b>\$ 1,620,000.00</b>	
<b>Priority Coding</b>						
1	Threat to Citizens or Employees health, safety or property					
2	Maintenance - operational necessity					
3	Requirement of State or Federal Law or Regulation					
4	Improvement of Infrastructure					
5	Improved productivity					
6	Alleviation of an overted/overburdened situation					

























Town of Franklin Recreation Capital Improvement Fiscal Year 2019						
Project #	Asset/Project Name	Funding Priority	Life Expectancy	Annual Operating Expenses	Asset/Project Costs	2019
Request #1	Basketball/Street Hockey Courts (Fletcher Field)	2 - Mainten	15 years	\$ -	\$ 200,000.00	
Asset/Project Description	Fletcher Field has two courts that are in disrepair. Cracks are prevalent with weeds growing and need to be torn up and replaced with new post tension concrete with flexipave, similar to King Street					
Park Rehab				\$ -		
		<b>Priority Coding</b>				
		1 - Threat to Citizens or Employees health, safety or property				
		2 - Maintenance - operational necessity				
		3 - Requirement of State or Federal Law or Regulation				
		4 - Improvement of Infrastructure				
		5 - Improved productivity				
		6 - Alleviation of an overt/overburdened situation				

Town of Franklin Recreation Capital Improvement Fiscal Year 2019						
Project #	Asset/Project Name	Funding Priority	Life Expectancy	Annual Operating Expenses	Asset/Project Costs	2020
Request #2	Beaver Pond Practice Fields & Challenge course (Phase 2)	4 - Improve!	30 years	\$ -	\$ 200,000.00	
	Install a fitness challenge course (ages 13+) behind turf field, install irrigation, overseed grass area behind turf field.					
	Park Rehab			\$ -		
<b>Priority Coding</b>						
1 - Threat to Citizens or Employees health, safety or property						
2 - Maintenance - operational necessity						
3 - Requirement of State or Federal Law or Regulation						
4 - Improvement of Infrastructure						
5 - Improved productivity						
6 - Alleviation of an overted/overburdened situation						



Town of Franklin Recreation Capital Improvement Fiscal Year 2019					
Project #	Asset/Project Name	Funding Priority	Life Expectancy	Annual Operating Expenses	Asset/ Project Costs
Request #4	King Street Memorial Playground (16 years old)	2 - Mainten.	15 years	\$ -	\$ 150,000.00
Asset/Project Description	King Street Memorial Park was constructed in 2004 and will need to be replaced in 2020				2022
Park Rehab					
		<b>Priority Coding</b>			
		1 - Threat to Citizens or Employees health, safety or property			
		2 - Maintenance - operational necessity			
		3 - Requirement of State or Federal Law or Regulation			
		4 - Improvement of Infrastructure			
		5 - Improved productivity			
		6 - Alleviation of an overted/overburdened situation			



Town of Franklin  
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Project #	Asset/Project Name	Funding Priority	Life Expectancy	Annual Operating Expenses	Asset/Project Costs	2024
Request #6	Beaver Pond Scoreboard	4 - Improve	25 Years	\$ -	\$25,000.00	2024
Asset/Project Description	Scoreboard at Beaver Pond was erected in 2002.					
Park Creation				\$ -	\$25,000.00	
		Priority Coding				
		1 - Threat to Citizens or Employees health, safety or property				
		2 - Maintenance - operational necessity				
		3 - Requirement of State or Federal Law or Regulation				
		4 - Improvement of Infrastructure				
		5 - Improved productivity				
		6 - Alleviation of an overted/overburdened situation				