



*Our Mission is to Provide Quality Public  
Services in a Fiscally Responsible Manner  
While Preserving the City's Open Space  
Character*

## **NOTICE OF MEETING**

**City Council Workshop  
3800 Laverne Avenue North  
April 10, 2018  
6:30 PM**

## **AGENDA**

- |  |                |
|--|----------------|
| <b>I. Call to Order</b>                        | <b>6:30 PM</b> |
| <b>II. Tax Forfeited Land in Sanctuary</b>     | <b>6:30 PM</b> |
| <b>III. Snowmobile Ordinance</b>               | <b>7:00 PM</b> |
| <b>IV. Fire Rescue Engine</b>                  | <b>7:15 PM</b> |
| <b>V. Items for Future Work Session Agenda</b> | <b>7:45 PM</b> |
| <b>VI. Adjourn</b>                             | <b>7:45 PM</b> |



## STAFF REPORT

DATE: April 9, 2018

**REGULAR** #2

**AGENDA ITEM:** Repossess Outlot F for Sanctuary Neighborhood

**SUBMITTED BY:** Kristina Handt, City Administrator

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### **BACKGROUND:**

During a time of transition the previous HOA representatives failed to pass along appropriate information regarding the paying of taxes, which has further resulted in property taxes failing to be paid on Sanctuary's Outlot F. This is significant to the neighborhood, as Outlot F holds their community septic system. It is because of this that they would like to regain ownership. The property does have a Minnesota Conservation easement over it which means there are limitations as to what can be done with the property, but it would be beneficial for the City if the HOA had possession of the land. There are also benefits for the City to help with this process.

### **ISSUE BEFORE COUNCIL:**

Would the City Council like to assist the HOA in obtaining their Outlot?

### **PROPOSAL DETAILS/ANALYSIS:**

**Regaining Ownership.** In trying to gain back ownership the HOA contacted Washington County who informed them there were essentially two options to regain ownership.

Option 1. Wait for the property to go up for auction and attempt to buy it back. But they risk not being highest bidder.

Option 2. The City buy the property from Washington County at a value of \$10,000 and then deed it over to the HOA. (There will be other fees associated with this transfer – see Fiscal Impact section)

The HOA president has reached out to the City for help in obtaining the property through option 2.

**Resolution Required.** Should the Council choose to assist – The council must request to buy the property through resolution in the amount of \$10,000. This will then be sent to Washington County to begin the transfer process.

**Highway 36 Interchange.** There are also plans to connect Manning through that property as a frontage road for Highway 36. During this process it would be advantageous for the City to gain control of the right of way which will be for that street project. This will help save money down the road when that project does come to fruition. The land which is desired by the City is not needed/wanted by the HOA, so it is beneficial for both parties to regain ownership. It will likely be necessary to subdivide the property and sell back the portion of the property that is desired by the HOA. Staff is looking to Council to provide direction on if the HOA should be made to pay for those costs.

**Agreement?** Finally, Staff is looking for direction if an agreement should be drafted between the City and HOA that the HOA will reimburse the City for all or most costs associated with the purchase of the property.

**FISCAL IMPACT:**

Though the price for the property is \$10,000 there are other fees associate with the process.

- |                                  |          |
|----------------------------------|----------|
| 1. Basic Sale Price              | \$10,000 |
| 2. State Deed Fee                | \$25     |
| 3. 3% Surcharge                  | \$300    |
| 4. State Deed Tax                | \$33     |
| 5. County Recording Fee          | \$46     |
| 6. Agricultural Conservation Fee | \$5      |

**Total Cost for All Fees and Sale Price (not including legal fees or Staff time) \$10,409**

Additionally, should the HOA be made to pay for the Minor Subdivision, the associated fee is \$525 (Plus \$1,000 escrow).

All costs associated with the transfer of property will be the responsibility of the HOA. The City will need to pay the fees upfront but can then be reimbursed from the HOA. The City will need to decide which funds are used to pay the initial upfront cost if it chooses to go forth with this process. Currently the City is not receiving any tax revenue for the property because it is in the possession of a tax exempt entity. However, if/when the HOA gains control, the City will be able to collect tax payments.

Also keep in mind the request from the HOA states an agreed upon price of \$10,409. This cost is not final nor has it been agreed upon.

**OPTIONS:**

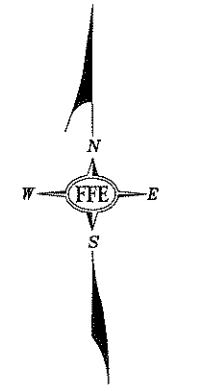
- Direct Staff to bring the item to a future Council meeting to consider approval of assisting the Sanctuary HOA in obtaining Outlot F
- Do not direct Staff to assist the Sanctuary HOA in obtaining Outlot F

**ATTACHMENTS**

- Map of property
- Formal Request from Sanctuary HOA



## STATE HIGHWAY 30





	EXISTING CONTOURS
	PROPOSED CONTOURS
	EXISTING STORM SEWER W/ M.H., C.B. & F.E.S.
	PROPOSED STORM SEWER W/ M.H., C.B. & F.E.S.
	HEAVY DUTY SILT FENCING (PRIOR TO START OF CONSTRUCTION)
	LIGHT DUTY SILT FENCING (AFTER GRADING)
	TREE FENCING (ORANGE)


ALL SEEDING SHALL BE COVERED WITH WEED FREE  
MNDOT TYPE 2 MULCH APPLIED @ 2 TONS PER ACRE.

- 1) PRIOR TO ROUGH GRADING, INSTALL SILT STOP FENCE IN LOCATIONS SHOWN OR AS DIRECTED BY THE ENGINEER OR CITY STAFF.
- 2) ROUGH GRADING SHALL PROCEED ON AN AREA BY AREA BASIS TO MINIMIZE UNCOMPLETED AREAS.
- 3) AS EACH AREA OUTSIDE THE STREET IS GRADED, PROVIDE 4" OF NATIVE TOPSOIL, SEED, AND MULCH ANCHORED WITH A STRAIGHT SET DISC WITHIN 48 HOURS OF FINE GRADING.
- 4) SLOPES 3:1 AND GREATER SHALL BE STABILIZED WITH FIBER BLANKET.
- 5) MAINTAIN AND REPAIR SILT STOP FENCES (INCLUDING REMOVAL OF ACCUMULATED SILT) UNTIL VEGETATION IS ESTABLISHED.
- 6) CONTRACTOR TO INSPECT AND DOCUMENT EROSION CONTROL WEEKLY AND AFTER ANY RAIN EVENT. SILT FENCE FOUND DAMAGED MUST BE REPAIRED OR REPLACED WITHIN 24 HOURS UPON DISCOVERY.
- 7) ALL SEDIMENT CONTROL FEATURES MUST BE REPAIRED WHEN THE SEDIMENT REACHES 1/3 THE HEIGHT OF THE STRUCTURE, OR REPLACED WITHIN 24 HOURS OF DISCOVERY.

- 8) WHEN THE DEPTH OF THE SEDIMENT REACHES 1/2 THE HEIGHT OF THE STORAGE VOLUME, THE BASIN SHALL BE DRAINED AND THE SEDIMENT REMOVED IN A MANNER AS APPROVED BY THE CITY ENGINEER.
- 9) REMOVAL OF SILT FENCE REQUIRED AFTER SITE IS STABILIZED (AT DIRECTION OF ENGINEER).
- 10) ALL EXISTING CITY STREETS SHALL BE SWEEPED AS REQUESTED BY ENGINEER.
- 11) ALL INFILTRATION AREAS SHALL BE LEFT WITH 1-FT MATERIAL REMAINING AND REMOVED AFTER SITE STABILIZATION.
- 12) ALL INFILTRATION AREAS SHALL BE CLEANED OUT AS LAST STAGE OF CONSTRUCTION.
- 13) ALL PONDING AREAS SHALL ALSO BE CLEANED OUT AS LAST STAGE OF CONSTRUCTION.
- 14) VEHICLE TRAFFIC SHALL BE LIMITED IN INFILTRATION AREAS (TO REDUCE COMPACTION OF INFILTRATION AREAS)

THE LOCATION OF UNDERGROUND FACILITIES OR STRUCTURES AS SHOWN ON THE PLANS ARE BASED ON AVAILABLE RECORDS AT THE TIME THE PLANS WERE PREPARED AND ARE NOT GUARANTEED TO BE COMPLETE OR CORRECT. CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL UTILITIES 72 HOURS PRIOR TO CONSTRUCTION TO DETERMINE THE EXACT LOCATION OF ALL FACILITIES AND TO PROVIDE ADEQUATE PROTECTION OF SAID UTILITIES DURING THE COURSE OF WORK. GOPHER STATE ONE  
CALL 1-800-252-1169.

**Folz, Freeman, Erickson, Inc.**  
LAND PLANNING  
SURVEYING  
ENGINEERING



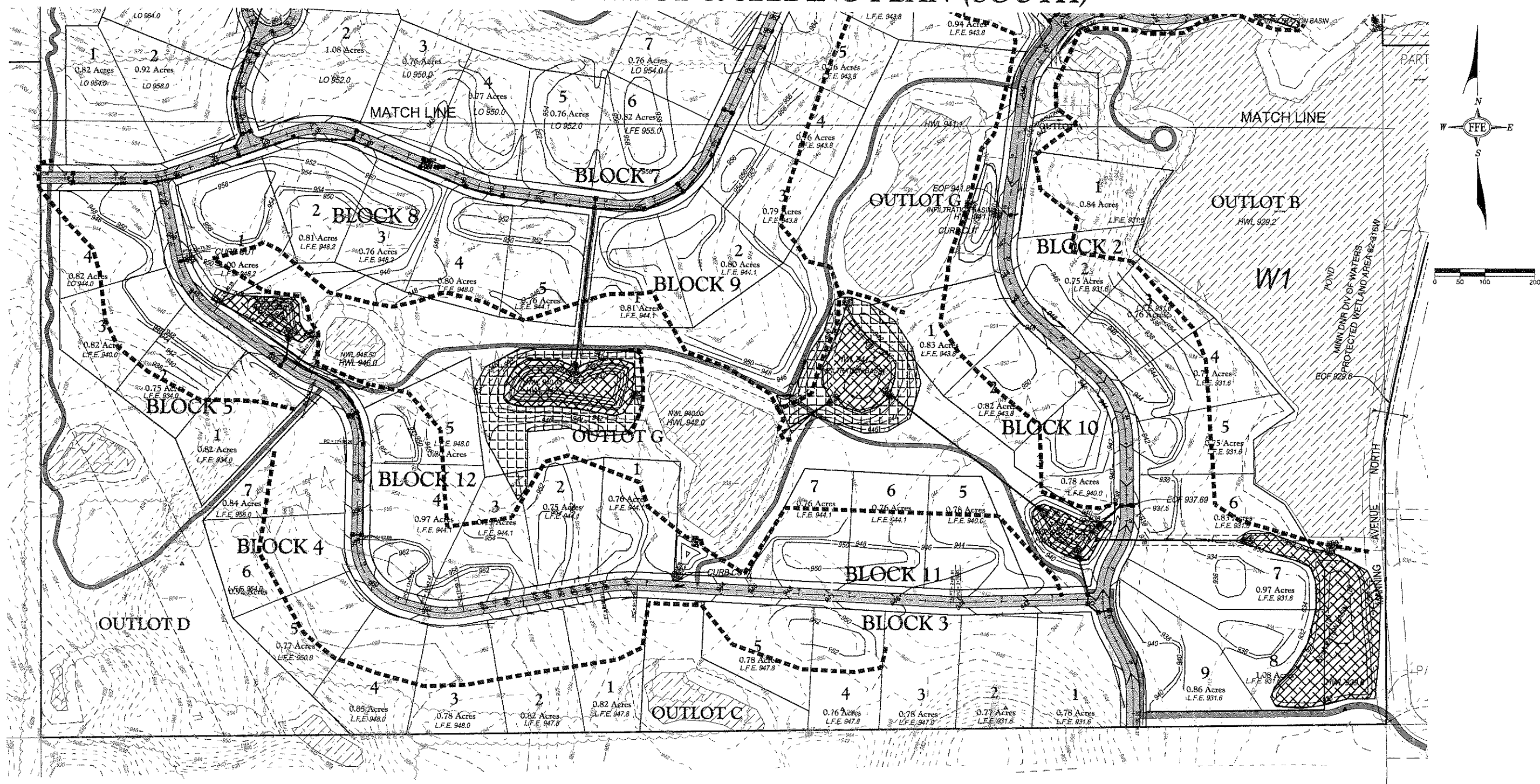
5620 MEMORIAL AVENUE NORTH, STILLWATER, MN 55082  
Phone (631) 430-8813 Fax (651) 430-9311  
Website: [www.ffe-inc.com](http://www.ffe-inc.com)

**OWNER'S ADDRESS**  
12415 55TH STREET NORTH  
LAKE ELMO, MN 55082

**PROJECT NAME**  
SANCTUARY  
LAKE ELMO, MN

SHEET NO.  
**C3.1**  
SHEET 4 OF 16

# EROSION CONTROL & SEEDING PLAN (SOUTH)



## LEGEND

- EXISTING CONTOURS
- PROPOSED CONTOURS
- EXISTING STORM SEWER W/ M.H., C.B. & F.E.S.
- PROPOSED STORM SEWER W/ M.H., C.B. & F.E.S.
- HEAVY DUTY SILT FENCING (PRIOR TO START OF CONSTRUCTION)
- LIGHT DUTY SILT FENCING (AFTER GRADING)
- TREE FENCING (ORANGE)
- EROSION CONTROL WOOD FIBER BLANKET (TYPE 2S @ SWALES) (FILTREXX AT POND OVERFLOWS - SEE DETAIL)
- SEED MIXTURE MN/DOT TYPE 310 (82 LBS/ACRE)

SEED MIXTURE MN/DOT TYPE 350 (86 LBS/ACRE)

ALL OTHER DISTURBED AREAS TO BE SEED WITH LOW GROW FESCUE FROM TWIN CITY SEED COMPANY (120 LBS/ACRE) MIXED WITH BLACK EYE SUSAN (5 LBS PER ACRE) & PURPLE CONE FLOWER (5 LBS PER ACRE)

NOTE: ALL SEED SHALL BE DRILLED AND NOT SPREAD

A COVER CROP OF OATS SHALL ALSO BE APPLIED IN ALL ABOVE MIXES AT A RATE OF 10 LBS PER ACRE.

ALL SEEDING SHALL BE COVERED WITH WEED FREE MN/DOT TYPE 2 MULCH APPLIED @ 2 TONS PER ACRE.

## NOTES

- PRIOR TO ROUGH GRADING, INSTALL SILT STOP FENCE IN LOCATIONS SHOWN OR AS DIRECTED BY THE ENGINEER OR CITY STAFF.
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- AS EACH AREA OUTSIDE THE STREET IS GRADED, PROVIDE 4" OF NATIVE TOPSOIL, SEED, AND MULCH ANCHORED WITH A STRAIGHT SET DISC WITHIN 48 HOURS OF FINE GRADING.
- SLOPES 3:1 AND GREATER SHALL BE STABILIZED WITH FIBER BLANKET.
- MAINTAIN AND REPAIR SILT STOP FENCES (INCLUDING REMOVAL OF ACCUMULATED SILT) UNTIL VEGETATION IS ESTABLISHED.
- CONTRACTOR TO INSPECT AND DOCUMENT EROSION CONTROL WEEKLY AND AFTER ANY RAIN EVENT. SILT FENCE FOUND DAMAGED MUST BE REPAIRED OR REPLACED WITHIN 24 HOURS UPON DISCOVERY.
- ALL SEDIMENT CONTROL FEATURES MUST BE REPAIRED WHEN THE SEDIMENT REACHES 1/3 THE HEIGHT OF THE STRUCTURE, OR REPLACED WITHIN 24 HOURS OF DISCOVERY.
- WHEN THE DEPTH OF THE SEDIMENT REACHES 1/2 THE HEIGHT OF THE STORAGE VOLUME, THE BASIN SHALL BE DRAINED AND THE SEDIMENT REMOVED IN A MANNER AS APPROVED BY THE CITY ENGINEER.
- REMOVAL OF SILT FENCE REQUIRED AFTER SITE IS STABILIZED (AT DIRECTION OF ENGINEER).
- ALL EXISTING CITY STREETS SHALL BE SWEEP AS REQUESTED BY ENGINEER.
- ALL INFILTRATION AREAS SHALL BE LEFT WITH 1-FT MATERIAL REMAINING AND REMOVED AFTER SITE STABILIZATION.
- ALL INFILTRATION AREAS SHALL BE CLEANED OUT AS LAST STAGE OF CONSTRUCTION.

NOTE: THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES AND SHALL NOT COMMENCE WITH ANY WORK PRIOR TO ENGINEERS APPROVAL.

THE LOCATION OF UNDERGROUND FACILITIES OR STRUCTURES AS SHOWN ON THE PLANS ARE BASED ON AVAILABLE RECORDS AT THE TIME THE PLANS WERE PREPARED AND ARE NOT GUARANTEED TO BE COMPLETE OR CORRECT. CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL UTILITIES 72 HOURS PRIOR TO CONSTRUCTION TO DETERMINE THE EXACT LOCATION OF ALL FACILITIES AND TO PROVIDE ADEQUATE PROTECTION OF SAID UTILITIES DURING THE COURSE OF WORK. Gopher State One Call 1-800-282-1166.

NO.	REVISION DESCRIPTION	DATE	BY
1	RE-ALIGNMENT CENTERLINE	1	TA
2	REVIEW	1	TA

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

TODD A. ERICKSON  
40418  
LICENSE NO.

DATE

DESIGNED BY: TAE

DRAWN BY: JRJ

CHECKED BY: TJF

FINAL DATE: 09/15/05

DS NO: 05-115

Folz, Freeman, Erickson, Inc.  
LAND PLANNING  
SURVEYING  
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5600 MEMORIAL AVENUE NORTH STILLWATER, MN 55082  
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THE SANCTUARY, LLC  
OWNER'S ADDRESS  
12415 55TH STREET NORTH  
LAKE ELMO, MN 55082

EROSION CONTROL & SEEDING PLAN  
PROJECT NAME  
SANCTUARY  
LAKE ELMO, MN



**From:** Austin Anderson  
**To:** [Ben Prchal](#); [Eric Bratvold](#)  
**Subject:** Formal Request for The Sanctuary of Lake Elmo HOA, and Outlot F  
**Date:** Monday, March 26, 2018 8:26:57 PM

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Ben,

This email is to formally request the city of Lake Elmo's help with the re-acquisition of Outlot F on behalf of The Sanctuary of Lake Elmo HOA.

I wanted to highlight some of the things that we talked about previously to help expedite the process.

The outlot in question is outlot F Parcel #: 01.029.21.11.0008

This is the outlot where the subdivisions shared septic system is located. All homes within the subdivision are reliant on the proper maintenance and use of this outlot. It is currently in Tax forfeited status.

The outlot was in the Name of "Sanctuary LLC". which is operated by Case Arkel, the original developer. It was never properly transferred from the developer when the original HOA was formed "The Sanctuary of Lake Elmo HOA", as such we had not been copied on all communications, and the outlot was lost.

The HOA has made numerous requests with the county to somehow transfer the outlot back into our possession (with us paying any necessary fees/back taxes). Because of the name discrepancy however, the county has directed us to have the City of Lake Elmo procure the outlot and to then transfer appropriately to the HOA.

Can you please assist us in facilitating this request at the agreed upon price of \$10,409.

Thank you in advance and please reach out to me with any questions.

Sincerely  
Austin Anderson  
The Sanctuary of Lake Elmo HOA



## **STAFF REPORT**

DATE: April 10, 2018

**DISCUSSION** #3

**AGENDA ITEM:** Snowmobile Ordinance

**SUBMITTED BY:** Kristina Handt, City Administrator

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### **BACKGROUND:**

Council member Bloyer and Mayor Pearson have requested the snowmobile ordinance be reviewed at a work session. Language in code, specifically, “No person shall operate a snowmobile or all-terrain vehicle on a public sidewalk or within the unimproved portion of a city street.” May be interpreted to mean snowmobiles are not allowed along city streets including ditches.

### **ISSUE BEFORE COUNCIL:**

Should the City Council amend the snowmobile ordinance? If so, how?

### **PROPOSAL DETAILS/ANALYSIS:**

Council may discuss the language in the ordinance and provide direction to staff on whether or not the language should be amended. Other examples are included in your packet from other communities. A common theme seems to be to allow snowmobiles in the ditch and out slope along city streets or in the right lane of the roadway.

### **ATTACHMENTS:**

- Lake Elmo Code regarding snowmobiles
- Snowmobile Regulation Examples from other Communities in Washington County

### ARTICLE III. - SNOWMOBILES AND OTHER RECREATIONAL VEHICLES<sup>[3]</sup>

Footnotes:

--- (3) ---

**State Law reference**— Recreational vehicles, M.S.A. § 84.81 et seq.

Sec. 54-51. - Adoption of state regulations.

M.S.A. §§ 84.81—84.928 are hereby adopted as a snowmobile and recreational vehicle regulation ordinance of the city, and made a part of this article by reference as if fully set forth herein.

(Ord. No. 670, § 1, 2-3-92)

Sec. 54-52. - Definitions.

The following words, terms and phrases, when used in this article, shall have the meanings ascribed to them in this section, except where the context clearly indicates a different meaning:

*All-terrain vehicle* means a motorized flotation tired vehicle of not less than three low-pressure tires, but not more than six tires.

*Personal transportation device* means any non-motorized platform, footboard, ski-like device, shoe, boot, or similar object mounted on wheels and designed and intended to propel the rider by human power or force or by gravity, including, but not limited to: skateboards, roller skis, scooters, roller skates and in-line skates.

*Recreational vehicle* means any self-propelled vehicle and any vehicle propelled or drawn by a self-propelled vehicle used for recreational purposes, including but not limited to snowmobiles, trail bikes or other all-terrain vehicles, hovercrafts, or motor vehicles licensed for highway operation, which is being used for off-road recreational purposes.

*Snowmobile* means a self-propelled vehicle designed for travel on snow or ice, steered by skis or runners.

(Ord. No. 670, § 2, 2-3-92; Ord. No. 789, § 4, 5-7-07)

**Cross reference**— Definitions generally, § 1-2.

Sec. 54-53. - Hours of operation.

No snowmobile or recreational vehicle shall be operated anywhere within the limits of the city except during the following hours: Sunday through Thursday: 6:00 a.m. through 11:00 p.m.; Friday and Saturday: 6:00 a.m. through 1:00 a.m.

(Ord. No. 670, § 3, 2-3-92)

Sec. 54-54. - Speed.

No snowmobile or recreational vehicle may be operated on or across any streets of the city, or other public highway or public street within the city, at a speed in excess of 15 miles per hour.

(Ord. No. 670, § 4, 2-3-92)

Sec. 54-55. - Prohibited areas.

Snowmobiles and recreational vehicles shall not be operated in the following areas within the city:

- (1) Upon private property without written permission of the owner or person in lawful possession.
- (2) Upon any schoolgrounds, skating rinks, playgrounds or recreation areas.
- (3) Upon any street or alley except in the righthand traffic lane of that portion ordinarily used for vehicular traffic.
- (4) Upon any public sidewalk or walkway.
- (5) Recreational vehicles shall not be operated on public park property. Snowmobiles shall not be operated on public park property within 200 feet of any pedestrian present.
- (6) In any other area where the use of a snowmobile or recreational vehicle may be considered to be hazardous to others.

(Ord. No. 670, § 5, 2-3-92)

Sec. 54-56. - Signal from officer to stop.

It is unlawful for an operator of a snowmobile or recreational vehicle, after having received a visual or audible signal from a law enforcement officer to come to a stop, to operate the vehicle in willful or wanton disregard of the signal to stop, or to interfere with or endanger the law enforcement officer or any other person or vehicle, or to increase speed or attempt to flee or elude the officer.

(Ord. No. 670, § 6, 2-3-92)

Sec. 54-57. - Prohibited acts.

It shall be unlawful to commit the following acts related to recreational vehicles:

- (1) Post, mutilate, or remove any notice or sign that prohibits the uses of recreational vehicles upon any lands or waters over which he has no right, title, interest or license.
- (2) Knowingly or negligently allow a juvenile to operate a recreational vehicle in violation of this section.
- (3) Attach a rider of any personal transportation device to any motor or recreational vehicle upon any street or public way in the city.
- (4) Obstruct any sidewalk, lane, alley, public ground, public landing, wharf or pier, or any other public place by placing any building materials, carriages, carts, boxes, lumber, firewood, posts or rails or any other materials to be used as ramps or guides for other skateboards or other personal transportation device.

(Ord. No. 789, § 5, 5-7-07)

**State Law reference**— Off-road vehicles, M.S.A. § 84.797 et seq.

Secs. 54-58—54-75. - Reserved.

## ARTICLE II. - MOTORIZED RECREATIONAL VEHICLES

### Sec. 78-23. - Purpose and intent.

It is the intent of this article to protect the public's safety and property as well as promote peace and repose in the community through regulating the operation of all manner of motorized recreational vehicles including snowmobiles, off-highway motorcycles, all terrain vehicles and all other motorized conveyances which are primarily used or intended to be used for off-road recreational purposes.

(Prior Code, § 155-010)

### Sec. 78-24. - Definitions.

The following words, terms and phrases, when used in this article, shall have the meanings ascribed to them in this section, except where the context clearly indicates a different meaning:

*Boulevard* means all that area of a public road right-of-way or easement other than the roadway.

*Motorized recreational vehicle* means an off-highway motorcycle as defined in Minn. Stats. § 84.787, subd. 7, an "off-road vehicle" pursuant to Minn. Stats. § 84.797, subd. 7, a "snowmobile" pursuant to Minn. Stats. § 84.81, subd. 3 an "all-terrain vehicle" pursuant to Minn. Stats. § 84.92, subd. 8 and/or any other vehicle which is primarily used or intended to be used for off-road recreational purposes.

*Roadway* means any portion of a public road right-of-way or easement improved designed or ordinarily used for vehicular traffic.

The remaining words terms and phrases in this article shall have their meanings ascribed to them in the definitional section of Minn. Stats. §§ 84.787—84.929 except where the context clearly indicates a different meaning.

(Prior Code, § 155-030)

### Sec. 78-25. - State law adopted.

The provisions of Minn. Stats. §§ 84.787—84.929 inclusive and as hereafter amended are adopted by reference as if herein set forth in full.

(Prior Code, § 155-040)

### Sec. 78-26. - Application of traffic laws.

All local and state traffic laws shall apply to the operation of motorized recreational vehicles within the city, except for those relating to required equipment and except those which by their nature have no application.

(Prior Code, § 155-050)

### Sec. 78-27. - Areas where operation permitted.

(a) It shall be unlawful for any person to operate a motorized recreational vehicle within the limits of the city except on:

- (1) Private property with the specific written dated and signed permission of the owner or person in control of the property. Such permission must be carried with the operator of the vehicle at all

times the vehicle is being operated on the property unless the operator is the owner or family member of the owner of the property.

- (2) Public lands and waters under jurisdiction of the commissioner of the state department of natural resources as permitted by law.
  - (3) City streets when traveling in the most right-hand lane available for automobile traffic or as close as practicable to the right-hand curb or edge of the roadway and when traveling in the same direction as automobile traffic in that lane.
  - (4) The ditch bottom or outside slope of any drainage ditch which lies within and runs parallel to any city-controlled public road easement. Motorized recreational vehicles may not be operated on any boulevard area where an identifiable ditch is not present.
  - (5) The ditch bottom or outside slope of County Highway 8A east of Goodview Avenue, State Highway 61 and County Highways 4, 4A, 7, and 57.
  - (6) Posted trails approved for such use by the city council.
- (b) Nothing in this section shall be deemed to prohibit or, restrict public officials and law enforcement officers from operating any type of vehicle on public or private lands and/or public waters when acting within the scope of official duties and/or employment.
- (c) A motorized recreational vehicle may not be operated upon a public street or highway other than as provided in this article.
- (d) The provisions of this section shall not apply in an emergency situation during periods of time when, and at locations where roadway conditions renders travel by automobile impractical.

(Prior Code, § 155-060)

Sec. 78-28. - Hours and dates of operation permitted.

- (a) It is unlawful for any person to operate a motorized recreational vehicle within the city:
- (1) After 11:00 p.m. Sunday through Thursday until 6:30 a.m. the next morning.
  - (2) Between 1:00 a.m. and 6:30 a.m. on Saturdays and Sundays.
- (b) A person shall not operate a motorized recreational vehicle within the public road right-of-way of any city street, state highway, or county highway from April 1 to August 1 of any year, unless the vehicle is being used exclusively as transportation to and from work on agricultural lands.
- (c) A person shall not operate a motorized recreational vehicle within the public road right-of-way of any city street, state highway or county highway between the hours of one-half hour after sunset to one-half hour before sunrise, except on the right-hand side of the right-of-way and in the same direction as automobile traffic, or on the land adjacent to the roadway.

(Prior Code, § 155-070)

Sec. 78-29. - Required equipment.

- (a) **Muffler requirements.** Every motorized recreational vehicle shall at all times be equipped with the muffler in good working order which blends the exhaust noise into the overall vehicle noise and is in constant operation to prevent excessive or unusual noise. Mufflers shall reduce the noise of operation of the motor to the minimum necessary for operation. No person shall use a muffler cutout bypass or similar device upon a motorized recreational vehicle. The exhaust system shall not emit or produce a sharp popping or cracking sound.

- (b) **Brakes required.** Every motorized recreational vehicle shall be equipped with brakes adequate to control the movement of and to stop and hold said vehicle under any condition of operation.
- (c) **Safety throttle mandatory.** It is unlawful for any person to operate a motorized recreational vehicle any place within the city unless it is equipped with a safety or so-called "deadman" throttle in operating condition. The term "safety or deadman" throttle means a device which when pressure is removed from the engine accelerator or throttle causes the motor to be disengaged from the driving track.
- (d) **Lamp and reflector specifications.** No recreational vehicle shall be operated upon any public street or highway unless it is equipped with at least one headlamp and one taillamp, each of a minimum candlepower as prescribed by rules established by the commissioner of the state department of natural resources, and reflective material of a minimum area of 16 square inches mounted on each side of the vehicle.

(Prior Code, § 155-080)

Sec. 78-30. - Miscellaneous regulations.

- (a) No owner shall permit the operation of and no operator shall operate a motorized recreational vehicle at a speed in excess of 15 miles per hour within 100 feet of any residential dwelling.
- (b) It is unlawful to intentionally drive, chase, run over or kill any animal or bird with a motorized recreational vehicle, except that motorized recreational vehicles may be used to herd or control domesticated farm animals by a person engaged in a bona fide agricultural occupation.
- (c) It is unlawful for any person to operate a motorized recreational vehicle within the city so as to tow any other person or thing in a public street or highway except through the use of a rigid tow bar attached to the rear of the motorized recreational vehicle, except to tow a disabled motorized recreational vehicle to a location for repairs to be made.
- (d) Every person leaving a motorized recreational vehicle on a public place shall lock the ignition, remove the key, and secure the key so as to prevent its unauthorized use.
- (e) It is unlawful for the operation of any motorized recreational vehicle to run over or otherwise damage any tree, shrub, flower, crop or other vegetation under the managed care of any individual or agency.
- (f) No person shall operate a motorized recreational vehicle at such time, or in such manner, that causes permanent damage to any public street, sidewalk, or other facility. Such damages include, but are not limited to, gouges or cuts in pavement, cracking or spalling of concrete surfaces and denting or breaking of culverts.
- (g) It is unlawful to attach a fence-cutting device of any kind to a motorized recreational vehicle.

(Prior Code, § 155-090)

Sec. 78-31. - Establishment of motorized recreational vehicle trails.

- (a) **Application to city council.** Individuals or groups may apply to the city council for permission to establish and improve trails for the use of motorized recreational vehicles. Application shall be made to the city clerk and provide the following information:
  - (1) All applications shall clearly identify the person or group applying for the trail permit, to include the address and daytime phone number of a contact person.
  - (2) A map clearly identifying the proposed route of the trail, indicating its alignment, width, relationship to public road rights-of-way, and connections to other trails and destination points.

- (3) Written permission from all property owners whose land the trail crosses for the construction, maintenance and operation of the trail, in such form as acceptable to the city attorney.
- (4) A statement as to who shall be liable for any injury or property damage resulting from the construction, maintenance and use of the trail, together with evidence of the responsible party's financial ability to provide such insurance or other security necessary to protect the city from financial loss.
- (5) A development and operations plan for the proposed trail.
- (6) An application fee set by the city administrator. Said fee shall be a good faith estimate of the actual costs to be included by the city in processing the application.
- (b) **Review of application.** All applications for motorized recreational vehicle trails shall be reviewed by the city council. In determining whether to grant permission for a trail the council shall consider the following:
  - (1) The public need for the proposed trail at the location and scale proposed.
  - (2) Potential impact of the trail on adjacent property owners.
  - (3) Potential impact of the proposed trail on future city development.
  - (4) Potential impact of the proposed trail on environmentally sensitive areas.
  - (5) The adequacy of the proposed trail to safely serve its intended use.
  - (6) Such other criteria as the situation may require.
- (c) **Denial.** The city council shall deny all applications for motorized recreational trails when the applicant has not demonstrated to the satisfaction of the council:
  - (1) The need for the proposed trail.
  - (2) The adequacy and safety of the proposed trail to serve its intended use.
  - (3) The financial and operative ability of the applicant to construct, maintain and operate the trail as proposed.
  - (4) That the trail will not cause undue hardship and/or unreasonably disrupt the peaceful enjoyment of the property owners adjacent to the proposed trail or that of the public.
- (d) **Approval.** The city council may grant permission for the construction, maintenance and operation of a proposed trail by resolution where it has determined at its sole discretion that such a trail is warranted feasible and in the best interest of the community.
- (e) **Exemptions.** In granting permission for the construction, maintenance and operation of a trail the council may grant in the authorizing resolution exemptions from certain provisions of this article where the situation or design of the trail so warrants, such exemptions in the best interest of the city.
- (f) **Restrictions and conditions.** The council may in the authorizing resolution place special restrictions, regulations and conditions on motorized recreational vehicle trails when the situation or design of the trail so warrants.
- (g) **Rescindment of approval.** Should it appear to the council that the terms and conditions which it has placed upon a trail are not being adhered to or that they are not adequate, sufficient or necessary to protect the health safety, and welfare of the public, then the council may, by resolution rescind its approval for the operation, maintenance and use of any trail or amend the conditions of the resolution approving this trail as the situation warrants.

(Prior Code, § 155-100)

AN ORDINANCE REGARDING THE REGULATION AND OPERATION OF SNOWMOBILES  
AND PROVIDING A PENALTY FOR VIOLATION.

THE CITY COUNCIL OF THE CITY OF OAK PARK HEIGHTS, WASHINGTON COUNTY,  
MINNESOTA, DOES ORDAIN:

801.01      State Law Adopted.

Minnesota Statutes 1969, Chapter 84.81 through 84.89 inclusive, as amended by Chapters 491 and 577 of the 1971 Regular Session Laws and the Session Laws of 1973, 1974, and 1975, are hereby adopted, subject to the provisions herein contained, as the Snowmobile Ordinance of the City of Oak Park Heights. Every provision contained in the said statutes is hereby adopted and made a part of this Ordinance by reference as if fully set forth herein.

801.02      Definitions.

For the purpose of this Ordinance the terms defined herein shall have the meaning ascribed to them:

- A.      "Person" includes an individual, partnership, corporation, the State and its agencies and subdivisions, and any body of persons, whether incorporated or not.
- B.      "Snowmobile" means a self-propelled vehicle designed for travel on snow or ice or natural terrain steered by wheels, skis, or runners.
- C.      "Owner" means a person, other than a lien holder having the property in or title to snowmobile entitled to the use or possession thereof.
- D.      "Operate" means to ride in or on and control the operation of a snowmobile.
- E.      "Operator" means every person who operates or is in actual physical control of a snowmobile.

801.03      Operation.

Except as herein specifically permitted and authorized, it is unlawful for any person to operate a snowmobile within the limits of the City of Oak Park Heights:

- A.      On the portion of any right of way of any City highway, street, road, trail, or alley used for motor vehicle travel, except the most right hand lane which is used for vehicle traffic in the same direction (except in passing a parked vehicle). No person shall operate a snowmobile within the right- of-way of any Trunk, County, State, or County Highway between the hours of one-half

(1/2) hour after sunset to one-half (1/2) hour before sunrise, except on the right hand side of such right- of way and in the same direction as the highway traffic on the nearest lane of the roadway adjacent thereto. No snowmobile shall be operated at any time within the right of way of any interstate highway or freeway within the City.

- B. On a public sidewalk provided for pedestrian travel.
- C. On boulevards within any public right of way.
- D. On private property of another without specific written, dated permission of the owner or person in control of said property.
- E. On any other public place except as may be specifically permitted by other provisions of the City of Oak Park Heights ordinances.

801.04 Traffic Ordinances.

City of Oak Park Heights traffic ordinances shall apply to the operation of snowmobiles upon streets and highways, except for those relating to required equipment, and except those which by their nature have no application.

801.05 Regulation.

It is unlawful for any person to operate a snowmobile within the limits of the City of Oak Park Heights:

- A. During the hours from 11:00 P.M. to 7:00 A.M. of any day.
- B. So as to tow any person or thing in a public street or highway except through use of a rigid tow bar attached to the rear of the snowmobile.
- C. In any public park unless such park is posted with City signs specifically allowing the operation of snowmobiles therein, and setting forth the hours of the day that such operation shall be allowed, provided, however, that in the event such park is so posted, it shall be unlawful for any person to operate a snowmobile within one hundred (100) feet of any fisherman, pedestrian, skating rink, or sliding area where the operation would conflict with the use or endanger other persons or property. The City Council shall by resolution establish those parks or areas of parks where snowmobiles shall be allowed to operate, and the hours of operation.

801.06 Equipment.

It is unlawful for any person to operate a snowmobile any place within the limits of the City of Oak Park Heights unless it is equipped with the following:

- A. A safety or so-called "deadman" throttle in operating condition. A safety or "deadman" throttle is defined as a device which, when pressure is removed from the engine accelerator or throttle, causes the motor to be disengaged from the driving track.
- B. It shall be unlawful to attach a fence cutting device of any kind to a snowmobile.

801.07      Ignition Key.  
Every person leaving a snowmobile on a public place shall lock the ignition, remove the key, and take the same with him.

801.08      Penalty.  
Every person convicted of a violation of any of the provisions of this Ordinance shall be punished by a fine of not more than Seven Hundred Dollars (\$700.00) or by imprisonment for more than ninety (90) days, or both, unless otherwise provided by State law.

Sec. 51-6. - Snowmobiles.

Subd. 1. *Adoption of state law provisions by reference.* Minn. Stat. §§ 84.81—84.88 are adopted as the snowmobile regulation ordinance of the city.

Subd. 2. *Additional requirements.* In addition to the restrictions and regulations contained in the state statutes, the following provisions apply within the city:

- (1) *Place of operation.* It shall be unlawful to operate a snowmobile in any of the following places and conditions:
  - a. Upon private property without written permission of the owner or person in lawful possession.
  - b. Upon any school ground, skating rinks, park property, playgrounds, recreation area or golf course unless permitted by the owner.
  - c. Upon any street or alley except in the righthand traffic lane of that portion ordinarily used for vehicular traffic.
  - d. Upon any public sidewalk or walkway.
  - e. Upon lakes and rivers in the city within 25 yards of any fisherman or pedestrian.
  - f. In any other area where the use of a snowmobile may be considered to be hazardous to others.
- (2) *Youthful operators.* A person 14 years of age or older, but less than 18 years of age, may operate a snowmobile upon a public street or highway within the city limits if he has in his immediate possession a valid snowmobile safety certificate issued by the department of natural resources commissioner or a valid motor vehicle operator's license issued by the commissioner of public safety or the driver's license authority of another state.
- (3) *Hours of operation.* Except as is specifically authorized by Minn. Stat. §§ 84.81—84.88, no persons shall operate a snowmobile within the city limits, upon private or public property, between 11:00 p.m. and 7:00 a.m. on Sunday through Thursday and between midnight and 7:00 a.m. on Friday and Saturday except in the following cases:
  - a. In the case of emergency when and where snow on a roadway renders travel by automobile impractical.
  - b. In the case of emergency when requested by an officer of the city police department or fire department.
- (4) *Manner of operation.* No snowmobile may travel at a speed greater than 20 mph when traveling on city streets. Snowmobiles must yield the right-of-way to all other traffic which is approaching uncontrolled intersections. Snowmobiles must be operated in single file, except when passing.

(Code 1980, § 51.06)

AN ORDINANCE REGULATING THE OPERATION OF  
SNOWMOBILES AND PROVIDING A PENALTY FOR  
VIOLATION

THE TOWN BOARD OF THE TOWN OF STILLWATER, WASHINGTON COUNTY,  
DOES ORDAIN:

Section 1. Provisions of State Law Adopted. The provisions of Minnesota Statutes, Chapter 876, with reference to the definition of terms, rules and regulations, operation, and all other matters pertaining to the operation of snowmobiles are hereby adopted and made a part of this ordinance as if fully set out herein.

Section 2. Operation on Private Property. No person shall operate a snowmobile upon platted, private property, or private lakes within the Town of Stillwater without the express, dated, written consent of the owner or lessee of such private property.

Section 3. Operation in Public Parks, on Public Lakes and Rivers. No person shall drive or operate a snowmobile in a public park, upon public lakes and rivers in Stillwater Township within 25 yards of any fisherman or pedestrian, in any skating or sliding area, or in any other area where the use of a snowmobile may be considered to be hazardous to others.

Section 4. Mufflers. Every snowmobile shall at all times be equipped with a muffler in good working order to prevent excessive or unusual noise. No person shall use a muffler cutout, by-pass, or any similar device upon a snowmobile. The exhaust system shall not emit or produce sharp popping or crackling sounds. Exception to this section is permissible for special races or tournaments only when approved and authorized by the

Town Board upon request at the regular monthly meetings.

Section 5. Hours of Operation. No person shall operate a snowmobile upon any property, public or private, nor upon private lakes, public lakes and rivers in the Town of Stillwater between the hours of eleven o'clock (11) P.M. and seven o'clock (7) A.M., of the following day.

Section 6. Penalty. Any person violating any provision of this ordinance shall be guilty of a misdemeanor and upon conviction shall be punished by a fine of not more than \$100.00 or imprisonment for not more than 90 days, plus the costs of prosecution in either case.

Section 7. Effective Date. This ordinance shall be in full force and effect from and after its passage and publication according to law.

Passed by the Town Board this 10<sup>th</sup> day of Oct., 1968.

Gerry J. Rydeen  
Chairman

Attest:

Geraldine C. Riedesel  
Town Clerk

Published Gazette, Wed., Oct. 16, 1968



## STAFF REPORT

DATE: April 10, 2018

ITEM #: 4

**TO:** City Council

**FROM:** Public Safety Committee

**AGENDA ITEM:** Motion from Public Safety Committee to have discussion with Council regarding the purchase of Rescue/Engine.

**REVIEWED BY:** Greg Malmquist, Fire Chief

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**BACKGROUND:** At the March 27, 2018 Public Safety Committee meeting, Chief Malmquist presented the specifications and pricing for the Rescue/Engine in the 2018 CIP.

Specifications for this truck were developed by the Lake Elmo FD Truck Committee, comprised of FF/Engineer Brian Johnson, FF/Engineer Rich Springborn, FF/Engineer Chris Klein, Lt. Larry Cornell, Captain/Engineer Noah Malmquist and Chief Malmquist. The committee has been meeting since July of 2017. During this time they have also visited several other FD's with similar vehicles, to look at the trucks and discuss with those that designed and use them regarding do's and don'ts. Committee has come away with some very good ideas. Some general specifications were put together, followed up by several meetings with a vehicle vendor to determine what was feasible and what was not. After much back and forth determining "wants and needs" followed by multiple revisions the Truck Committee has what they feel are a good set of specifications. From the beginning the committee identified goals and objectives for this vehicle:

- Design a vehicle to allow efficient delivery of our current level of service, now and into the future.
- Gather all of our rescue equipment onto one vehicle for efficiency.
- Keep in mind that most responses will be with a 2 person crew, for ergonomics and efficiencies.
- Combine 2 vehicles to reduce vehicle purchase and maintenance costs.

The Truck Committee feels they have met these goals and objectives with the design and specifications of this vehicle.

Also, through the process, the Truck Committee identified equipment to be purchased based on the following:

- Equipment has been removed from service because it exceeded it's recommended life, (Air bags)
- Current, 25 yr. old hydraulic tools are obsolete and under powered to meet the demands of present day extrications.
- Replacement of homemade, unsafe cribbing with newer, safer, more efficient cribbing.
- Addition of stabilizing jacks that we haven't had proper space for in the past.

**ISSUE BEFORE COUNCIL:** Determine next steps in the process to purchase the proposed Rescue/Engine.

**PROPOSAL DETAILS/ANALYSIS:** The Public Safety Committee reviewed the specifications as presented from the Truck Committee. Following much discussion, the Public Safety Committee, while supporting the work done by the Truck Committee feels it appropriate to discuss with and get direction from the City Council due to the significant costs of the vehicle and additional equipment.

**OPTIONS:**

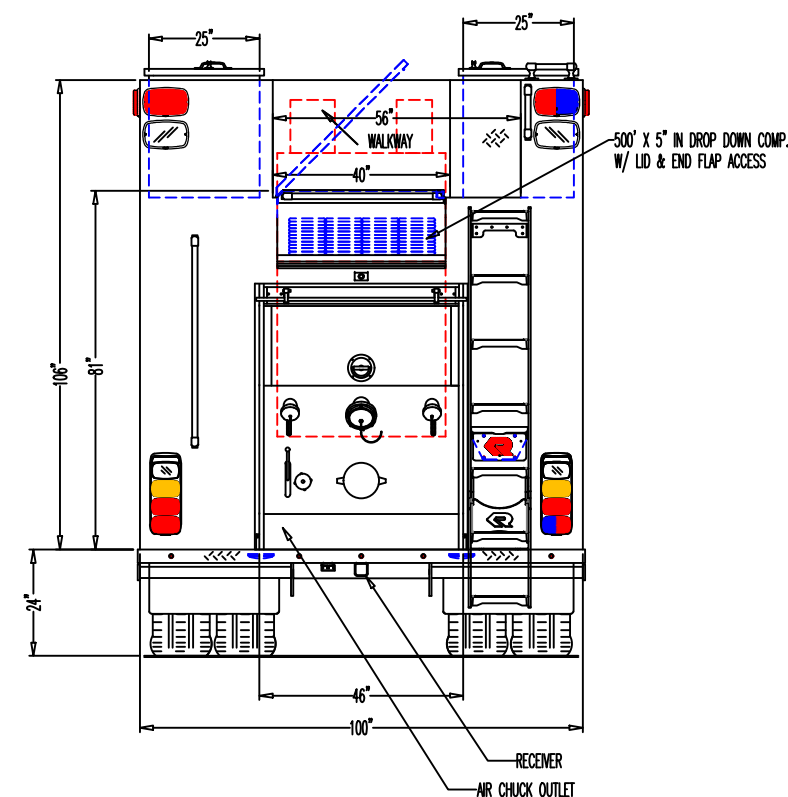
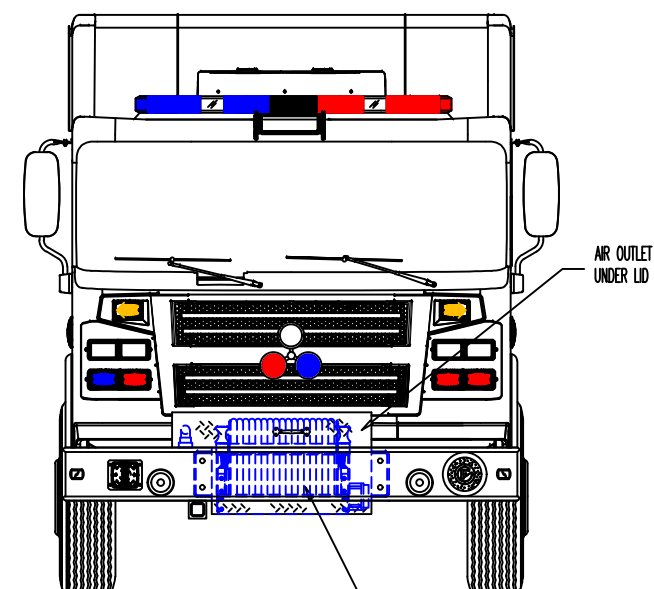
- 1) Move forward with purchase of Rescue/Engine and equipment based on the recommendation of the Truck Committee and review of the Public Safety Committee.
- 2) Send back to Public Safety Committee with direction.

**RECOMMENDATION:**

Discuss with Public Safety Committee at Council Workshop to get clear direction

**ATTACHMENTS:**

1. Truck Drawing
2. Truck Body Specifications
3. Truck Chassis Specifications
4. Rescue/Engine Vehicle Cost Breakdown
5. Rescue/Engine Equipment Cost Breakdown



REVISED: CRL	DATE: 03-08-2018 (R-06)	<b>APPROVED BY:</b>  <div></div>	CHASSIS: ROSENBAUER R7824
REVISED: ARS	DATE: 03-06-2018 (R-05)		PUMP: WATEROUS CX 1250 GPM
REVISED: RJR	DATE: 02-21-2018 (R-04)(RR WLKWY)		
DRAWN: TAA	DATE: 12-20-2017 (P5209-07)		
<b>PROPRIETARY AND CONFIDENTIAL</b> THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ROSENBAUER. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF ROSENBAUER IS PROHIBITED.		MAXIMUM HEIGHT	N/A
		MAXIMUM LENGTH	N/A
		BODY WIDTH	100"
		TANK:	POLY 750/ 30 FOAM
		TYPE:	PUMPER
		AERIAL:	N/A

<p align="center">-PROPOSED- LAKE ELMO</p>			
	<p align="center"><i>ROSENBAUER EXT</i></p>		
	<p>JOB NUMBER -</p>	<p>DRAWING NUMBER P6817</p>	<p>REV 06</p>

# QUOTATION

# General Safety Fire Apparatus

LAKE ELMO 2018 HGAC RESCUE PUMPER BODY

Exp. Date: 03/21/2018  
Quote No: 10136-0050  
03/12/2018

Page 1

PART NO	S	QTY	DESCRIPTION	EACH	EXTENDED
		1	== EXT Pmpr/Tnkr Bid Prep Forms - 108.018 01/08/18 ==	0.00	0.00
		1	ROSENBAUER APPARATUS SOLUTIONS - RAS - 08 JANUARY 2018	0.00	0.00
00-00-1300		1	Fire Department Name	0.00	0.00
00-00-1499		1	Overall Height Restriction, NONE	0.00	0.00
00-00-1509		1	Overall Length Restriction, NONE	0.00	0.00
00-00-1519		1	Overall Width Restriction, NONE	0.00	0.00
00-00-1529		1	Wheelbase Restriction, NONE	0.00	0.00
00-00-1539		1	Angle of Approach, NFPA Minimum, 8 Degrees	0.00	0.00
00-00-1549		1	Angle of Departure, NFPA Minimum, 8 Degrees	0.00	0.00
00-12-1100		1	Financial Stability Response	0.00	0.00
01-06-0510		1	Calculated Center of Gravity	0.00	0.00
		1	== EXT Pmpr/Tnkr Warranties-BR - 108.018 01/08/18 ==	0.00	0.00
01-16-0150		1	-- Warranty, Apparatus, Body Warranty, 1 Year	0.00	0.00
01-19-0460		1	-- Warranty, Bdy, Alum, Life-Time, Transferable	0.00	0.00
01-19-2450		1	-- Warranty, Subframe, Lifetime Alum, Transferable	0.00	0.00
01-20-0360		1	-- Warranty, Paint, PPG, 10 Years, EXT	0.00	0.00
01-21-0150		1	-- Warranty, Lettering and Striping, 1 Year	0.00	0.00
01-17-0750		1	-- Pump Warranty, Waterous, 5 Years	0.00	0.00
02-14-6250		1	Plmbg Warranty, Stnls Stl, 10 Years	0.00	0.00
01-33-3300		1	-- Mnls, Bdy Complete, CD Compact Disc Version	129.00	129.00
01-33-5400		1	-- Mnls, Elec, As Built Bdy, CD Compact Disc Version	317.00	317.00
		1	== Use Drop Down For Chassis Options - 822.016 08/22/16 ==	0.00	0.00
		1	== EXT Pmpr/Tnkr - DC Elec System COMMANDERS ONLY - 108.018 01/08/18 ==	0.00	0.00
56-01-1700		1	-- Siren, Elect, Whelen 295HFS2	589.00	589.00
56-02-1600		1	-- Spkr, F-S Dynamax, ES100C 100 Watt	340.00	340.00
56-02-1650		1	-- Spkr Grille, Stnls Stl, "R"	82.00	82.00
56-03-1300		1	-- Spkr Lctn, Bumper, Rcscd, Right Side	76.00	76.00
56-06-0500		1	-- Siren, F-S, Q2B-NN Mech, Bumper, Partially Rcscd, Left Side	2054.00	2054.00
56-07-1500	S <	1	-- Siren Cntrl, F-S, Q2B, Dash Button, Center Dash Center of dash to be accessible to driver and officer like Lake Elmo aerial	203.00	203.00
56-07-1200	S <	1	-- Siren Brake, F-S, Q2B, Center Dash Center of dash to be accessible to driver and officer like Lake Elmo aerial	203.00	203.00

PART NO	S	QTY	DESCRIPTION	EACH	EXTENDED
57-02-1250	S <	1	-- Lt Bar, Whelen, Ultra Freedom IV, #F4N7QLED, LED, 72" Fully populated clear lens lightbar with all red lights and one clear on the driver side and all blue lights and one clear on the passenger side.  All specified side, front and rear warning lights to flash in a fast random pattern	5146.00	5146.00
57-08-1210	S <	1	-- Trffc Emtrr, GTT Honeycomb Strobe Style Opticon Roof Mntd, Wired to Park Brake Emitter to be be strobe honeycomb style external roof mounted emitter. Same model as was supplied with Lake Elmo Viper aerial. Mounted to the driver side of the cab roof wired to be on with master warning and off with park brake	1651.00	1651.00
57-10-0600		1	-- Lightbar Cntrl, with Master Warning Switch	198.00	198.00
58-71-1770		1	-- Wrn Lts, Whelen, Upper Rr (2) M9 LED	287.00	287.00
57-20-1426	S <	1	-- Wrn Lt, Drvr, Whelen, M9, Split Red/Red LED, Clear Lens, Ea Split red/red	202.00	202.00
57-20-1427	<	1	-- Wrn Lt, Offcr, Whelen, M9, Split Red/Blue LED, Clear Lens, Ea Red inboard and blue outboard	202.00	202.00
58-01-2180		2	-- Flange, Chrome, Wrn Lt, Whln, M9 Ea	30.00	60.00
58-46-2100		1	-- Wrn Lts, Whelen, Upper Side Front (2) M9 LED	287.00	287.00
57-20-1426	S <	1	-- Wrn Lt, Drvr, Whelen, M9, Split Red/Red LED, Clear Lens, Ea Split red/red	202.00	202.00
57-20-1427	<	1	-- Wrn Lt, Offcr, Whelen, M9, Split Red/Blue LED, Clear Lens, Ea Red forward blue rearward	202.00	202.00
58-01-2180		2	-- Flange, Chrome, Wrn Lt, Whln, M9 Ea	30.00	60.00
58-61-2100		1	-- Wrn Lts, Whelen, Upper Side Rr (2) M9 LED	287.00	287.00
57-20-1426	S <	1	-- Wrn Lt, Drvr, Whelen, M9, Split Red/Red LED, Clear Lens, Ea Split red/red	202.00	202.00
57-20-1427	<	1	-- Wrn Lt, Offcr, Whelen, M9, Split Red/Blue LED, Clear Lens, Ea Red forward blue rearward	202.00	202.00
58-01-2180		2	-- Flange, Chrome, Wrn Lt, Whln, M9 Ea	30.00	60.00
58-03-6199		1	-- Turn Signals, Upper Wing Position, Chassis Supplie	0.00	0.00
58-03-7300		1	-- Wrn Lts, Whelen, Inbrd Warn Lt, (2) M6 LED	287.00	287.00
57-20-1210		1	-- Wrn Lt, Drvr, Whelen, M6, Red LED, Clear Lens, Ea	128.00	128.00
57-20-1211		1	-- Wrn Lt, Offcr, Whelen, M6, Red LED, Clear Lens, Ea	128.00	128.00
58-01-2140		2	-- Flange, Chrome, Wrn Lt, Whln, M6, Ea	30.00	60.00
58-03-7400		1	-- Wrn Lts, Whelen, Outboard Warn Lt Frnt, (2) M6 LEI	287.00	287.00
57-20-1210		1	-- Wrn Lt, Drvr, Whelen, M6, Red LED, Clear Lens, Ea	128.00	128.00

PART NO	S	QTY	DESCRIPTION	EACH	EXTENDED
57-20-1213		1	-- Wrn Lt, Offcr, Whelen, M6, Blue LED, Clear Lens, Ea	128.00	128.00
58-01-2140		2	-- Flange, Chrome, Wrn Lt, Whln, M6, Ea	30.00	60.00
58-09-2000		1	-- Wrn Lts, Whelen, Intrsct (2) M6 LED	287.00	287.00
57-20-1226	S <	1	-- Wrn Lt, Drvr, Whelen, M6, Split Red/Red LED, Clear Lens, Ea Split red/red	156.00	156.00
57-20-1227	<	1	-- Wrn Lt, Offcr, Whelen, M6, Split Red/Blue LED, Clear Lens, Ea Red forward blue rearward	156.00	156.00
58-01-2140		2	-- Flange, Chrome, Wrn Lt, Whln, M6, Ea	30.00	60.00
58-16-2100		1	-- Wrn Lts, Whelen, Lwr Mid Chassis (2) M6 LED	287.00	287.00
57-20-1226	S <	1	-- Wrn Lt, Drvr, Whelen, M6, Split Red/Red LED, Clear Lens, Ea Split red/red	156.00	156.00
57-20-1227	<	1	-- Wrn Lt, Offcr, Whelen, M6, Split Red/Blue LED, Clear Lens, Ea Red forward blue rearward	156.00	156.00
58-01-2140		2	-- Flange, Chrome, Wrn Lt, Whln, M6, Ea	30.00	60.00
58-26-2000		1	-- Wrn Lts, Whelen, Low Mid Bdy (2) M6 LED	287.00	287.00
57-20-1226	S <	1	-- Wrn Lt, Drvr, Whelen, M6, Split Red/Red LED, Clear Lens, Ea Split red/red	156.00	156.00
57-20-1227	<	1	-- Wrn Lt, Offcr, Whelen, M6, Split Red/Blue LED, Clear Lens, Ea Red forward blue rearward	156.00	156.00
58-01-2140		2	-- Flange, Chrome, Wrn Lt, Whln, M6, Ea	30.00	60.00
58-36-2600	S <	1	-- Sound Off nLineTracers In Rub Rail SoundOff nLine tracer style running lights shall be installed in the rub rail of the apparatus. The following lights shall be installed:  One (1) pair of 48" nLine lights shall be installed below the L4 and R4 compartments.  One (1) pair of 72" nLine lights shall be installed below the L1/L2 and R1/R2 compartments.  The lights shall have a Red (driver side) Red/Blue (passenger side) light pattern to each light and shall be wired with the remaining apparatus lighting through the VMUX similar to Roseville Crossfire.	2113.00	2113.00
58-81-2000		1	-- Wrn Lts, Whelen, Low Rr (2) M6 LED	287.00	287.00
57-20-1226	S <	1	-- Wrn Lt, Drvr, Whelen, M6, Split Red/Red LED, Clear Lens, Ea Split red/red	156.00	156.00
57-20-1227	<	1	-- Wrn Lt, Offcr, Whelen, M6, Split Red/Blue LED, Clear Lens, Ea Red outboard blue inboard	156.00	156.00

PART NO	S	QTY	DESCRIPTION	EACH	EXTENDED
50-08-1000		1	Elecal, Base, Multi-Plex, Weldon V-MUX Bdy	6247.00	6247.00
55-11-1100		1	-- Dr Open/Hazard Wrn Lt, w/Chassis	0.00	0.00
55-13-1065		1	-- V-MUX Dr Open, Isolation, Body Main Cmpt Doors, On Vista Screen w/Accessories	1397.00	1397.00
50-12-1092		1	Swch Panel, Multiplex, Chassis Supplied	0.00	0.00
50-15-3100		1	Battery Swch, Mstr Disconnect , Chs Sppld	0.00	0.00
50-20-2100		1	Shore Power Transfer Swch, 120V, 30Amp	882.00	882.00
50-41-6100		1	Air Horns (2) 24" Round Grover Stutter Tone	653.00	653.00
50-41-8140		1	Air Horn Location (2) Recess Mounted, Outboard, 1 Ea Side	0.00	0.00
50-43-1000		1	Air Horn Cntrls	0.00	0.00
50-43-2000		1	-- Air Horn Cntrl, Driver, Horn Ring, Air/Elec	254.00	254.00
50-43-2300	S <	1	-- Air Horn Cntrl, Center, Sgle Dash Swch Center of dash so accessible to driver and officer in same location as Lake Elmo aerial	205.00	205.00
51-05-6290		1	Lt, Engine Cmpt, Chassis Supl'd	0.00	0.00
51-05-6400		2	Lt, Pump Cmpt, 12 Volt LED With Swch	173.00	346.00
51-05-9000		2	-- Switch on Light Head	0.00	0.00
51-20-3100		1	-- Fldlt, Mntg Lctn, Front Edge Of Cab Roof	109.00	109.00
51-15-4186	<	1	-- Fldlt, Fire Research, Spectra SPA800-Q28, 28,000 Lmns, Contour Brow Mnt Black bezel	1873.00	1873.00
54-15-6002		1	-- Scene Lt Swch , Front Scene Lts, Cab Switch Panel	96.00	96.00
52-01-1100		1	Back Up Alarm, w/Chassis	0.00	0.00
52-02-1110	S <	1	Back Up Camera, Install Chassis Supl'd, EXT Back up camera to be tied to both Vistas but will only come on automatically on the driver side. Officer will have to access through the menu on the officer side Vista.	172.00	172.00
52-08-1300	<	4	-- HandLt, Survivor LED, Orange, w/ 12V Chrgr (#90509) Located in cab in same location as Lake Elmo aerial	302.00	1208.00
52-08-2300		1	-- HandLt Install Lctn, Cab, Define	0.00	0.00
52-10-3201	S <	1	Intercom System, FireCom 5200D Wireless (Dual Radio) Intercom system to be set up to be wireless for driver and officer radio transmit and intercom. Rear crew positions (2) to be wired intercom only.	1979.00	1979.00
52-10-3290		4	-- Hanger Hook - Headset	39.00	156.00
52-10-3310		2	-- Headset, Wireless, Intercom w/Transmit, Firecom, UHW505	1182.00	2364.00
52-10-3320	S <	2	-- Headset, Wired Intercom, Intercom Only, Firecom, Two (2) headsets for rear crew positions to be wired headsets. Intercom only.	1156.00	2312.00
52-10-3350	S <	1	-- Base Station, Wireless Driver and Officer and Wired for Rear Crew Driver and Officer to be wireless and wired for the crew area	1714.00	1714.00
52-15-1700		1	Radio, Fire, Install Cstmer Supl'd	974.00	974.00
51-00-1700		1	-- 12V Power/Ground, 30A, Radio Lctn	321.00	321.00
51-00-4000		1	-- Switched Power, Thru Master	0.00	0.00

PART NO	S	QTY	DESCRIPTION	EACH	EXTENDED
52-15-1500		1	-- Radio Spkr, Fire, Install Cstmr Supl'd, Ea	318.00	318.00
52-15-1800	<	1	-- Radio, Fire, Remote Head, Install Cstmr Supl'd Located at pump panel	196.00	196.00
53-01-1200		1	Marker Lts, LED, DOT Requirements	195.00	195.00
53-02-1250		1	License Plate Brkt, Cast Prdts, LP0005-1-C w/ LED Lt	211.00	211.00
53-03-0065		1	Whelen Rr DOT LED Ltng Pkg M6	97.00	97.00
53-03-2750		1	-- Tail/Brake Lts, Whelen, LED, M6 (Pair)	273.00	273.00
53-04-2750		1	-- Turn Signals, Whelen, LED w/ Arrow, M6 (Pair)	243.00	243.00
53-06-3550		1	-- Backup Lts, Whelen, LED, M6 (Pair)	333.00	333.00
53-07-1210		1	-- Tail Lt Bezel, 4 Lts, Whln M6 (Pair), ABS Chrome	401.00	401.00
53-05-1800		1	Turn Signals, Mid Bdy, LED Marker Lt (Pair)	102.00	102.00
54-02-1100		1	-- Ground Lts, Cab, Supl'd w/Custom Chassis	0.00	0.00
54-03-1220		1	-- Ground Lts, Pump Panel, LED, Pr Whelen 3SC0CDCR	239.00	239.00
54-03-1420		1	-- Ground Lts, Mid Body, LED, Whelen 3SC0CDCR, Pair	239.00	239.00
54-03-1620		1	-- Ground Lts, Rr Step, LED, Whelen 3SC0CDCR, Pair	239.00	239.00
54-03-1820		1	-- Ground Lts, Bhnd Rr Wheels, LED, Whelen 3SC0CDCR, Pair	239.00	239.00
54-04-1999		1	-- Lt Swtch , Ground Lts w/ Park Brake	0.00	0.00
54-10-1450		2	Step Lt, Rr Tailboard, LED, Ea	58.00	116.00
54-11-1300	<	6	Wlkwy Lt, Roof, LED, Ea Three (3) each side of walkway	58.00	348.00
54-11-2100		1	Lt Swtch , Step/Wlkwy Lts Wired Park Brake Swtch	0.00	0.00
54-15-4610	S	6	Scene Lt, Fire Research, Spectra MAX, LED SPA260-Q20, Surface Mount	1432.00	8592.00
54-15-5100		1	-- Scene Lt Lctn, Left Side Of Cab	76.00	76.00
54-15-5200		1	-- Scene Lt Lctn, Right Side Of Cab	76.00	76.00
54-15-5500		2	-- Scene Lt Lctn, Left Side Of Bdy	0.00	0.00
54-15-5600		2	-- Scene Lt Lctn, Right Side Of Bdy	0.00	0.00
54-15-6494		1	-- 3-Way Cntrl Swtch, Left Scene Lts, Driver & Officer VISTA/Pmp Pnl	269.00	269.00
54-15-6594		1	-- 3-Way Cntrl Swtch, Right Scene Lts, Driver & Officer VISTA/Pmp Pnl	269.00	269.00
54-15-1290		2	-- Scene Lt, Whelen, M9LZC LED, w/Chr trim ring	579.00	1158.00
54-15-5700		2	-- Scene Lt Lctn, Rr Of Bdy	0.00	0.00
54-15-6694		1	-- 3-Way Cntrl Swtch, Rr Scene Lts, Driver & Officer VISTA/Pmp Pnl	269.00	269.00
54-15-6700		1	-- Scene Lt Swtch , Rr Scene Lts, Auto w/ Reverse	116.00	116.00
59-01-0000		1	Miscellaneous Wrn Lts	0.00	0.00
59-02-1110		1	-- Roto Ray Lt, Red-Clear-Blue, LED	2022.00	2022.00
		1	<b>== EXT SA Pmpr/Tnkr Chassis Modifictns - 108.018</b> <b>01/08/18 ==</b>	<b>0.00</b>	<b>0.00</b>
10-01-1100		1	Vehicle Dimensions, Sngl Axle	0.00	0.00
10-02-1100		1	Label, Data, Fluid Levels	47.00	47.00
10-02-1200		1	Label, Data, Height x Length, Weight	47.00	47.00
10-02-1300		1	Label, Data, "No Ride" Rr Step	47.00	47.00
10-02-1400		1	Label, Data, Tire Pressure	47.00	47.00
10-02-2100		1	Label, Indicating Number of Seats	47.00	47.00
10-02-2500		1	Label, "Caution: Do Not Wear Helmet While Seated"	47.00	47.00
10-03-3102		1	Tow Devices, Supplied & Shipped Loose w/ Chassis, Install (Pair)	76.00	76.00
10-03-6020		1	Tow Plates (2), Rr Frame Rail, Under Step, 3/4"x3"ID	179.00	179.00

PART NO	S	QTY	DESCRIPTION	EACH	EXTENDED
80-43-2400		1	-- Painting, Tow Plates, Blk	0.00	0.00
10-04-0420		1	-- Front Bumpers, 4000, 2-Rib S/S 12"H, S/S Wings	0.00	0.00
10-05-4228		1	-- Frnt Bmpr, 4000, 2-Rib S/S 12"H, T/P Apron, S/S Wings, 28" Extnsn	2283.00	2283.00
10-04-2710		1	-- Bumper Cmpt, Center, Reel Cmpt	579.00	579.00
10-04-3160	S <	1	-- Bumper Cmpt Door, Alum T/P, Raised Style Lid slightly larger than reel so that it can also cover the right side of reel discharge swivel and also the left side of reel compressor air outlet.	209.00	209.00
10-04-3225		1	-- Bmpr Cmpt Lt, OSS Nt Axe 18" LED, Auto, w/Dr Opi Indctr, Ea	279.00	279.00
10-04-3460		2	-- Bumper Cmpt Door Gas Shock	96.00	192.00
10-06-1110		1	Whl Trim, S/S Hub/Lug Cvr, Front/Rr, Sngl Axle	386.00	386.00
10-06-1602		1	Tire Pressure Indicator, Sngl Axle, Commanderm p/n RWTG1235	180.00	180.00
10-07-0100		1	-- Exhaust Supplied With Chassis	0.00	0.00
10-08-2100		1	Mud Flaps, Rr Whls, Blk, w/ Bdy	191.00	191.00
10-13-1199	S	1	-- Motors Supl'd Frame Work for Full Height/Width cmpt w/roll up doors	0.00	0.00
10-13-4200		1	-- Binder Storage Module, Cab, Custom Chassis, Rear Engine Tunnel, Three (3) 2"	360.00	360.00
10-13-3540		1	-- Exterior Finish, Cabinet, To Match Cab Interior	287.00	287.00
10-13-3550		1	-- Interior Finish, Cabinet, Natural	0.00	0.00
44-40-1500	S <	1	-- Ventilation System, Sabre-Vent, 120V Pwr, Rear Interi Cab Cmpt A powerful Sabre vent power compartment ventilation system shall be provided to circulate air through the entire rear cab wall gear compartment. The system shall consist of 120 volt AC powered fans to circulate and force fresh air into and out of the compartment with a 24 hour adjustable timer to control all of the ventilation fans. The compartment ventilation fans shall be connected to the shoreline power system and shall pull fresh air from the exterior of the compartment(s) and circulate air out of the compartment(s) as well.	2300.00	2300.00
10-18-6000		1	Cab Tilt Control, Cstm, Left Front Cmpt or Pump Panel	297.00	297.00
		1	<b>== EXT Rear Mount Pumper Pump&amp;Plumbing - 108.018 01/08/18 ==</b>	<b>0.00</b>	<b>0.00</b>
20-24-2200		1	-- Pump, Waterous, CXK/C20, 1 Stage, Rr Mt	0.00	0.00
20-24-2120	S	1	-- Pump Flow Rtnng, Waterous, CXK/C20, 1250 GPM, RM	35798.00	35798.00
22-30-4302		1	-- Intk, Mstr, Gtd, 6" NST, 6" ELK Elec Vlv, Rr Ctr - Rr Mt, UBEC1 Cntrl	3720.00	3720.00
21-01-2500		1	-- Drain/Bleeder, IC Lift-Up, Mnl 1/4 Turn	118.00	118.00
22-40-7920		1	-- Adptr, Color Coded, 30 Deg, 6"F x 5" Storz	172.00	172.00
22-41-7220		1	-- Cap, 5" Storz, Color Coded, Lckng, w/Chain or Cable	85.00	85.00
20-26-2200		1	-- Pump Seal, Mech, Waterous	419.00	419.00
20-26-2400		1	-- Pump Impeller, Waterous, Flame Plated Hubs	415.00	415.00
20-26-2600		1	-- Pump Anode, Waterous, Removable	238.00	238.00
20-26-3050	<	1	-- Pump Manufacturer's Pneumatic Pump Shift Waterous air/air located on driver side of center Havis console	914.00	914.00
20-26-4400		1	-- Pump Primer, Waterous, VPO, Oil Less, Elec, Push Button	1565.00	1565.00

PART NO	S	QTY	DESCRIPTION	EACH	EXTENDED
27-10-3400		1	-- Pressure Gvrnr, FRC, In-Cntrl, w/Bdy, TGA300	2919.00	2919.00
		1	<b>STAINLESS STEEL PUMP PLUMBING *</b>	<b>0.00</b>	<b>0.00</b>
21-00-2000		1	-- Screens/Anodes, Pump	144.00	144.00
21-00-3300		1	-- Piping, Stnls Stl - 1250 GPM & Up	794.00	794.00
21-01-0200		1	-- Pump Drain, Master, Manifold, Push Pull Type	344.00	344.00
21-01-5500		1	-- Intk Manifold, Stnls Stl	728.00	728.00
21-01-6500		1	-- Dschg Manifold, Stnls Stl	728.00	728.00
21-01-7100		1	-- Painting, Pump & Piping, Silver	648.00	648.00
21-01-8100		1	-- Threads, National Hose (NST)	0.00	0.00
22-51-5400		1	-- Tank-To-Pump, Water Tank, 3" Vlv/4" Piping, Rr Mt	1411.00	1411.00
22-50-0100		1	-- Single Tank to Pump Control - Pump Operator's Panel	0.00	0.00
24-62-2320		1	-- Vlv Mfger, ELK, (3"), Electric	1248.00	1248.00
22-55-5800		1	-- Intk Vlv Cntrl, ELK, 3" Elec, UBEC1	721.00	721.00
23-02-1300		1	-- Tank Fill/Cooling Line, Water Tank, 2"	499.00	499.00
24-62-2220		1	-- Vlv Mfger, ELK, (2"), Electric	1062.00	1062.00
22-55-5600		1	-- Intk Vlv Cntrl, ELK, 2" Elec, UBEC1	721.00	721.00
20-30-3500		1	-- Pump Instln, Rr Mt Split-Shaft, By Bdy Bldr	4589.00	4589.00
20-31-1000		1	Fire Pump Testing - Pumpers/Tankers	0.00	0.00
20-31-1100		1	-- Pump Test, Pumper, UL	1208.00	1208.00
20-31-1500		1	-- Pump Test, Label	82.00	82.00
20-31-3200		1	Dump-Relief Vlv, Suction Side, ELK #40, NST	732.00	732.00
20-31-4110		1	Pump Cooler, Bypass-To-Tank, 3/8", IC Mini-Twist Handle	226.00	226.00
20-31-5110		1	Heat Exchanger, Engine, Hook-Up Only, IC Mini-Twist Handl	218.00	218.00
22-30-1100		1	Intk, Gtd, 2-1/2", Rr Left Side, Rr Mt	831.00	831.00
21-01-2502		1	-- Drain/Bleeder, IC Lift-Up, Mnl 1/4 Turn - Spec Only	118.00	118.00
22-41-1120		1	-- Plug, 2-1/2", Color Coded, Rocker Lug, w/Chain	54.00	54.00
24-62-2250		1	-- Vlv Mfger, ELK (2-1/2"), Manual, Swing Type, Adjacent Control	244.00	244.00
22-55-5020		1	-- Intk Vlv Cntrl, ELK, Mnl Swing Type-Adjacent	176.00	176.00
23-14-4200	<	1	-- Dschg, 2-1/2", Front RH Bumper, Swivel, NST No hosewell, just plumbed up next to the right of the hose reel under the raised lid reduced down to 1 1/2"	2905.00	2905.00
21-01-2200		1	-- Drain/Bleeder, Class 1, Automatic	116.00	116.00
23-05-9200		1	-- Hose Connection, Abv Frnt Bmpr, Swivel	0.00	0.00
24-01-2400		1	-- Adptr, Reducing, 2-1/2" NST F x 1-1/2" NST M, Chrome	72.00	72.00
24-61-2270		1	-- Vlv Mfger, ELK, (2-1/2"), Electric	1067.00	1067.00
24-54-3120		1	-- Vlv Cntrl, ELK, 2-1/2" Elec UBEC2 Pres Mtr	1218.00	1218.00
27-03-9100		1	-- Meter, Pressure, English, PSI	0.00	0.00
23-16-1100	S <	1	-- Speedlay Dschg, (1) 1-1/2", Front of Bdy, NST In addition to the one (1) plumbed speedlay there will be a 2 1/2" deadlay hose tray cartridge located ahead of the 1 3/4" speedlay. This hose cartridge is to have capacity for 300' of 2 1/2" hose. There will be no plumbing for this 2 1/2" hose tray.	2370.00	2370.00
21-01-2202		1	-- Drain/Bleeder, Class 1, Automatic - Spec Only	116.00	116.00
23-16-8100	<	3	-- Speedlay, 1-3/4", Removable Hose Tray, Alum Single stack hose tray for 150' of 1 3/4" hose with 1 spare tray for it.	325.00	975.00
			The third cartridge is for the specified 2 1/2" deadlay. No		

PART NO	S	QTY	DESCRIPTION	EACH	EXTENDED
			spare tray is desired for this deadlay so a total of three trays.		
24-61-2220		1	-- Vlv Mfger, ELK, (2"), Electric	1024.00	1024.00
24-54-3020		1	-- Vlv Cntrl, ELK, 2" Elec UBEC2 Pres Mtr	1218.00	1218.00
27-03-9100		1	-- Meter, Pressure, English, PSI	0.00	0.00
23-16-2100	S <	1	-- Speedlay Deadlay for 2-1/2" Hose, Ahead of 1 1/2" Speedlay	882.00	882.00
			This is to be a deadlay ahead of the 1 1/2" speedlay with no plumbing		
23-20-2100		1	Dschg, 2-1/2", Rr Center Pump Panel, Left Side, NST	916.00	916.00
21-01-2500		1	-- Drain/Bleeder, IC Lift-Up, Mnl 1/4 Turn	118.00	118.00
24-02-1212		1	-- Elbow, 2-1/2"F x 2-1/2" NST M, Color Coded	136.00	136.00
24-03-1420		1	-- Cap, 2-1/2", NST Color Coded, Rocker Lug, w/Chain	51.00	51.00
24-61-2270		1	-- Vlv Mfger, ELK, (2-1/2"), Electric	1067.00	1067.00
24-54-3120		1	-- Vlv Cntrl, ELK, 2-1/2" Elec UBEC2 Pres Mtr	1218.00	1218.00
27-03-9100		1	-- Meter, Pressure, English, PSI	0.00	0.00
23-20-3200	S <	1	Dschg, 3", Rr Center Pump Panel, Center, NST Center	1116.00	1116.00
21-01-2500		1	-- Drain/Bleeder, IC Lift-Up, Mnl 1/4 Turn	118.00	118.00
24-02-2520		1	-- Elbow, Color Coded, 5" Storz x 3"F	159.00	159.00
24-03-2220		1	-- Cap, Color Coded, 5" Storz, w/Cable	85.00	85.00
24-61-2320		1	-- Vlv Mfger, ELK, (3"), Electric	1209.00	1209.00
24-54-3220		1	-- Vlv Cntrl, ELK, 3" Elec UBEC2 Pres Mtr	1218.00	1218.00
27-03-9100		1	-- Meter, Pressure, English, PSI	0.00	0.00
23-20-2300		1	Dschg, 2-1/2", Rr Center Pump Panel, Right Side, NST	916.00	916.00
21-01-2500		1	-- Drain/Bleeder, IC Lift-Up, Mnl 1/4 Turn	118.00	118.00
24-02-1212		1	-- Elbow, 2-1/2"F x 2-1/2" NST M, Color Coded	136.00	136.00
24-03-1420		1	-- Cap, 2-1/2", NST Color Coded, Rocker Lug, w/Chain	51.00	51.00
24-61-2270		1	-- Vlv Mfger, ELK, (2-1/2"), Electric	1067.00	1067.00
24-54-3120		1	-- Vlv Cntrl, ELK, 2-1/2" Elec UBEC2 Pres Mtr	1218.00	1218.00
27-03-9100		1	-- Meter, Pressure, English, PSI	0.00	0.00
24-30-5800	<	1	-- Hose Reel, HAN, Frnt Bmpr, Alum	2437.00	2437.00
			Reel cover is specified in bumper modification section		
24-31-2100		1	-- Hose Reel, Rwnd Cntrl, Weatherproof Push Button	109.00	109.00
24-32-1600		1	-- Dschg, Hose Reel, 2"	638.00	638.00
21-01-2500		1	-- Drain/Bleeder, IC Lift-Up, Mnl 1/4 Turn	118.00	118.00
24-32-1700		1	-- Dschg, Hose Reel, Plmbd to Normal Pressure	0.00	0.00
24-61-2220		1	-- Vlv Mfger, ELK, (2"), Electric	1024.00	1024.00
24-54-3020		1	-- Vlv Cntrl, ELK, 2" Elec UBEC2 Pres Mtr	1218.00	1218.00
27-03-9100		1	-- Meter, Pressure, English, PSI	0.00	0.00
24-33-1500	S <	2	-- Hose, Water, Neidner Reel-Tex, 1 1/2" x 50-ft	532.00	1064.00
			100' of Neidner Reel-Tex 1 1/2" hose in 50' lengths		
24-33-8000		1	-- Nzl, Mtg, Hose Reel	84.00	84.00
24-33-9080		1	-- Roller, Hose Reel, Front	267.00	267.00
27-37-3150		1	-- Air Blow Out, Hose Reel, Chassis Air, Mnl 1/4 Turn Vlv	416.00	416.00
25-06-3100		1	-- Foam Sys, F/PRO 2001, Cls A/B, 2.6G, 12V S105-200	9772.00	9772.00
25-20-1200		1	-- Foam Plmbg, Sngl Class A Tank, 1" Mnl Vlv	149.00	149.00
25-21-1500		1	-- Foam Tank, Intgrl Poly, 30 Gal, Class A	702.00	702.00
25-22-9300		1	-- Foam Tank, UPF	0.00	0.00
25-23-1000		1	-- Foam Tank Drain, 1" Gate Vlv, Under Tank	225.00	225.00
27-36-1100		1	-- Foam Tank Gauge, FRC TankVision Pro 300, Class A, Pump Panel #WLA360-A00	684.00	684.00
25-19-9000		1	-- Foam System, NFPA #1901, Install Standards	0.00	0.00

PART NO	S	QTY	DESCRIPTION	EACH	EXTENDED
		1	<b>== EXT Rear Mount Pumper Pump Cmpt - 108.018</b>	<b>0.00</b>	<b>0.00</b>
			<b>01/08/18 ==</b>		
26-40-1500	S <	1	Pump Enclsr, Specs, Rr Mt, EXT The rear pump / panel is to be located set back behind the rear of body roll up door.	10579.00	10579.00
26-40-2200		1	-- Pump Panel Lctn, Rr Mt, LH Side Bhnd Rr Whls	1649.00	1649.00
26-40-4300		1	-- Pump Cntrl Panel Enc Door, Rr Mt, Left Side, Roll Up	0.00	0.00
26-40-3900		1	Pump Cntrl Panel, Rr Mt, LogicColor	1106.00	1106.00
26-40-5100		1	Pump Access Dr, Rr Mt, Upper Rr, Stnls Stil	923.00	923.00
26-40-5500	S <	1	Lower Pump Access Panel, Rr Mt, Thumb Latches The lower portion of the rear center pump panel shall be removable with thumb latches when the elbows, adaptors and caps etc. are removed.	354.00	354.00
26-50-1200	<	1	Heater, Pump Enc, 30,000BTU, w/Swtch on Pmp Oprtr's Pnl  Seal up pump area underneath as best possible for heat retention.	529.00	529.00
26-50-3300		1	Heat Pan, Pump Enc, Rr Mnt, Removable	1149.00	1149.00
26-55-1100		1	Labels, Test Data and Safety Placards	82.00	82.00
26-55-2410		1	Labels, IC Color Coded, EXT	400.00	400.00
26-56-1430		1	Pump Panel Lts (2), Rr Mt, (2) Grote #01-61F8-70 Low Profile LED	133.00	133.00
26-56-2000		1	Pump Panel Lt (1), Actuated w/Pump Engagement	109.00	109.00
27-01-2500		1	-- Mstr Gauges, IC, 6" PSI, Pr	718.00	718.00
27-01-4100		1	Gauge, Test Taps	65.00	65.00
27-35-1100		1	Water Tank Gauge, FRC, TankVision Pro 300, Pump Panel WLA300-A00	547.00	547.00
27-37-1100		1	Air Horn, Push Button, Pump Panel	192.00	192.00
		1	<b>== EXT HLF D / HRFD SA Rear Mount Pmpr - 108.018</b>	<b>0.00</b>	<b>0.00</b>
			<b>01/08/18 ==</b>		
25-28-1160	S	1	Water Tank, 750 Gal, Pmpr/Tnkr , Poly, Rect	10911.00	10911.00
25-42-1100		1	-- Water Tank, Base Specs, Poly	0.00	0.00
25-42-1200		1	-- Water Tank, Manufacturer, UPF, Poly	0.00	0.00
25-44-1700		1	-- Water Tank, Fill Tower, 10" x 10", EXT	0.00	0.00
25-50-1400		1	-- Water Tank Clean-out & Plug, 3"	0.00	0.00
29-00-2120	S	1	Hosebed, Pmpr, >168" L, HD, 39" Wide - EXT	1286.00	1286.00
29-10-2050		1	Hosebed, Grating, Extrd Alum, >168" Long - EXT	0.00	0.00
29-10-5020		1	Hosebed Storage Cpcty, EXT	0.00	0.00
29-10-5090		1	-- Hosebed, Strge Cpcty, 30 Cubic Feet, Minimum	0.00	0.00
29-10-6000		5	-- Hosebed, Strge Cpcty 5" LDH SJ Rubber (100-ft)	0.00	0.00
29-10-8550	S	1	Hosebed, Partition, Front of Hosebed, Less than 48" - EXT	274.00	274.00
29-20-6450	S <	1	Hosebed Cvr, Alum T/P, >168" L, 37-48" Wide - EXT The hosebed cover will be a single hinged cover hinged on the driver side with breaks as necessary for reinforcement and also reinforcements under the cover as it will serve as both a walk way and hosebed cover. Heavy gas assist shocks will be provided to make it easy for one person to lift the walkway/cover from the rear of the truck via the handrail mounted on the rear of it.	3616.00	3616.00

PART NO	S	QTY	DESCRIPTION	EACH	EXTENDED
29-20-6650		1	-- Mnl Operation, Hosebed Cvr, Alum T/P	0.00	0.00
29-20-7325		2	-- Hsbd Cvr Lt, OSS Access, 36" LED Tube Lt, Ea	160.00	320.00
29-20-7800	S <	1	-- Rr Heavy Duty D&S Vinyl Flaps with Chevron for Alum Cvr	274.00	274.00
			D&S brand vinyl flap with red/green amber weighted at the bottom and also provided with easy access retention stretch cords and hooks.		
29-20-5604		1	-- Vinyl Color, CUSTOM COLOR	0.00	0.00
30-01-2020	S	1	Bdy Const - Rosenbauer EXT - SA RrMt Pumper	27943.00	27943.00
30-01-2250		1	-- Electrolysis Corrosion Cntrl	102.00	102.00
30-01-3460		1	-- Side Body Height, EXT-SA RrMt Pmpr, 106" (Commander 24" RR)	6372.00	6372.00
30-02-1920		1	-- Side Body Header, Alum, Pntd, Sngl Axle, EXT	1129.00	1129.00
44-05-1200		1	-- Whl Well Panel, Alum, Pntd, Sngl Axle	870.00	870.00
44-06-4320		1	-- Fenderette, Polished Stainless Steel, EXT	476.00	476.00
30-10-1520		1	-- Sub-Frame, EXT, SA RrMt Pmpr	3153.00	3153.00
31-01-6072	S	1	100" OAW, 24" Full Dpth Bth Sides, Trnsvrs Frnt, HL/HR	1399.00	1399.00
31-01-6434	S	1	Pntd Roll Up Drs, Outside Cmpt, HL/HR, 242" RrMt Bdy	3647.00	3647.00
30-02-1600		1	-- Drs, Roll-Up, Outside Cmpt, Specs, EXT	0.00	0.00
30-02-1260		7	-- Dr Strap, EZ-Pull Down, Ea	49.00	343.00
31-01-6400	S	1	-- Bdy, Rosenbauer EXT, RrMt Pmpr , 228"	16393.00	16393.00
32-05-4200	S	1	-- Cmpt Height, 106" High Left, High Side, RrMt Pmpr	4996.00	4996.00
32-05-6984	S	1	-- Ahd Rr Whls, 48"/54" Two (2) Full Ht Cmpts, Pntd RUO Cmpt	524.00	524.00
32-05-5262	S <	1	-- Frnt of Bdy-48" Full Ht Compt-Pntd Roll Up Outside Cmpt	1889.00	1889.00
			Horizontal transverse Stokes, backboards and Little Giant ladder mounts are in the upper rearward portion of this L1 compartment and R1 compartment and specified later herein.		
44-40-1020		2	-- Vents, Compts, Louvers (Ea)	37.00	74.00
45-15-1200	S <	1	-- Divider, Vert, Bolt-In, 3/16" Alum	392.00	392.00
			Vertical divider to be full width of chassis frame rails and set back 21" from forward wall just ahead of speedlays to be provided proper retention for department supplied ice sled.		
45-30-1700		1	-- Turtle Tile, Floor, Cmpt, Frnt of Bdy (1/4 depth)	104.00	104.00
55-01-3390		1	-- Cmpt Lt, Wall, OSS Access, 54" LED Tube Lt, (2) Ea Cmpt	382.00	382.00
55-06-1100		1	-- Cmpt Lt, Dr Swtch, Auto, Ea	102.00	102.00
32-05-6262	S <	1	-- Ahd Rr Whls-54" Full Ht Compt-Pntd Roll Up Outside Cmpt	2069.00	2069.00
			54"		
44-40-1020		2	-- Vents, Compts, Louvers (Ea)	37.00	74.00
45-02-4100	<	2	-- Shelf, Adjust, Alum 3/16", EXT	200.00	400.00
			Ahead of vertical divider		
45-30-1125		2	-- Turtle Tile, Shelves/Trays, 1/4 Depth, (each)	104.00	208.00
45-06-2100	S <	1	-- Slide Tray, 500#, Alum 3/16" (1/4 Dpth), EXT	685.00	685.00
			Slidemaster tray as wide as possible on floor ahead of vertical divider. Tray will have lip broken down on the front of it as department will be mounting their own supplied tool box on this slide out.		

PART NO	S	QTY	DESCRIPTION	EACH	EXTENDED
80-76-0110		1	-- Reflective Stripe, Red/White, Trays/Toolboards, Ea	45.00	45.00
45-15-1200	<	1	-- Divider, Vert, Bolt-In, 3/16" Alum Set back 35" from forward wall	227.00	227.00
45-19-3400	<	1	-- GearGrid, Roll Out, Tool Grid in rearward portion of compartment	1643.00	1643.00
45-26-5200	S <	3	-- Strge Box, Poly Plastic, 11"W x 8"D x 22"L (3) 11"W x 8"D x 22"L to fit on upper shelf	254.00	762.00
45-26-5700	S <	1	-- Strge Box, Poly Plastic, 33"W x 10"D x 22"L 33"W x 10"D x 22"L Sized to fit on lower shelf	303.00	303.00
55-01-3390		1	-- Cmpt Lt, Wall, OSS Access, 54" LED Tube Lt, (2) Ea Cmpt	382.00	382.00
55-06-1100		1	-- Cmpt Lt, Dr Swtch, Auto, Ea	102.00	102.00
32-05-7053		1	-- Abv Rr Whls-60" Sngl Cmpt, No Hyd Rack-Pntd RU Outside Cmpt	1565.00	1565.00
44-40-1020		2	-- Vents, Compts, Louvers (Ea)	37.00	74.00
45-02-4100		1	-- Shelf, Adjust, Alum 3/16", EXT	200.00	200.00
45-30-1125		1	-- Turtle Tile, Shelves/Trays, 1/4 Depth, (each)	104.00	104.00
45-15-1200		1	-- Divider, Vert, Bolt-In, 3/16" Alum	227.00	227.00
45-30-1900		1	-- Turtle Tile, Floor, Cmpt, Uppr Hgh Sde (up to 1/4 depth)	116.00	116.00
55-01-3370		1	-- Cmpt Lt, Wall, OSS Access, 30" LED Tube Lt, (2) Ea Cmpt	235.00	235.00
55-06-1100		1	-- Cmpt Lt, Dr Swtch, Auto, Ea	102.00	102.00
32-05-8162	S <	1	-- Bhd Rr Whls-60" Full Ht Cmpt-Pntd Roll Up Outside 60"	2011.00	2011.00
44-40-1020		2	-- Vents, Compts, Louvers (Ea)	37.00	74.00
45-26-7000	<	1	-- === C-Tech Storage Modules === The selected width of the module must be at least 1" less than the width available within the compartment.  The sum of the drawer heights must be at least 2-1/2" less than the height available within the compartment.  Specify drawer heights in order from top to bottom.  Do Not change the quantity of drawer height options.	0.00	0.00
45-26-7320	S	1	-- Mobile Storage System, C-Tech, 2-Drwr, 18"-26"D x 50"W	2253.00	2253.00
45-26-7844	S	1	-- Module Width, 50"	0.00	0.00
45-26-7970		2	-- Drawer Ht, 10"	0.00	0.00
55-01-3390		1	-- Cmpt Lt, Wall, OSS Access, 54" LED Tube Lt, (2) Ea Cmpt	382.00	382.00
55-06-1100		1	-- Cmpt Lt, Dr Swtch, Auto, Ea	102.00	102.00
32-06-4200	S	1	-- Cmpt Height, 106" High Right, High Side, RrMt Pmpr	4996.00	4996.00
32-06-6984	S	1	-- Ahd Rr Whls, 48"/54", Two (2) Full Ht Cmpts, Pntd RUO Cmpt	524.00	524.00
32-06-5262	S <	1	-- Frnt of Bdy-48" Full Ht Cmpt-Pntd Roll Up Outside Cmpt 48"	1889.00	1889.00

PART NO	S	QTY	DESCRIPTION	EACH	EXTENDED
44-40-1020		2	-- Vents, Compts, Louvers (Ea)	37.00	74.00
45-05-4100	S <	1	-- Slide Out Floor Dry Hopper	974.00	974.00
			Slide out floor dry hopper provided on floor in forward portion of compartment to fit just under forward transverse area and partially under forward speedlay. Hopper to be 24" wide and full depth. Designed identical to Oakdale Commander engine floor dry hopper.		
80-76-0110		1	-- Reflective Stripe, Red/White, Trays/Toolboards, Ea	45.00	45.00
45-25-1500	<	1	-- Backboard Mtg, (2)Horz, With Runners Transverse with retention straps each side.	592.00	592.00
45-25-5200	<	1	-- Stokes Basket Mtg, Horz Transverse with retention straps each side.	592.00	592.00
45-25-5500	S <	1	-- Little Giant Ladder Mtg, Horz Transverse with retention straps each side for Little Giant ladder.	592.00	592.00
45-30-1700		1	-- Turtle Tile, Floor, Cmpt, Frnt of Bdy (1/4 depth)	104.00	104.00
55-01-3390		1	-- Cmpt Lt, Wall, OSS Access, 54" LED Tube Lt, (2) Ea Cmpt	382.00	382.00
55-06-1100		1	-- Cmpt Lt, Dr Swtch, Auto, Ea	102.00	102.00
32-06-6262	S <	1	-- Ahd Rr Whls-54" Full Ht Cmpt-Pntd Roll Up Outside Cmpt 54"	2069.00	2069.00
44-40-1020		2	-- Vents, Compts, Louvers (Ea)	37.00	74.00
45-02-4100		2	-- Shelf, Adjust, Alum 3/16", EXT	200.00	400.00
45-30-1125		2	-- Turtle Tile, Shelves/Trays, 1/4 Depth, (each)	104.00	208.00
45-15-1200	<	1	-- Divider, Vert, Bolt-In, 3/16" Alum Set 20" ahead of rearward wall	227.00	227.00
45-19-3400		1	-- GearGrid, Roll Out, Tool Grid	1643.00	1643.00
45-30-1800		1	-- Turtle Tile, Floor, Cmpt, Ahd Rr Whls (1/4 depth)	104.00	104.00
55-01-3390		1	-- Cmpt Lt, Wall, OSS Access, 54" LED Tube Lt, (2) Ea Cmpt	382.00	382.00
55-06-1100		1	-- Cmpt Lt, Dr Swtch, Auto, Ea	102.00	102.00
32-06-7053		1	-- Abv Rr Whls-60" Sngl Cmpt w/o Hyd Rack-Pntd RU Outside Cmpt	1698.00	1698.00
44-40-1020		2	-- Vents, Compts, Louvers (Ea)	37.00	74.00
45-02-4100		1	-- Shelf, Adjust, Alum 3/16", EXT	200.00	200.00
45-30-1125		1	-- Turtle Tile, Shelves/Trays, 1/4 Depth, (each)	104.00	104.00
45-26-3100	<	6	-- Air Bag Strge Module, Alum, (1) Bag Vertical in forward portion of compartment	122.00	732.00
45-30-1900		1	-- Turtle Tile, Floor, Cmpt, Uppr Hgh Sde (up to 1/4 depth)	116.00	116.00
55-01-3370		1	-- Cmpt Lt, Wall, OSS Access, 30" LED Tube Lt, (2) Ea Cmpt	235.00	235.00
55-06-1100		1	-- Cmpt Lt, Dr Swtch, Auto, Ea	102.00	102.00
32-06-8162	S <	1	-- Bhd Rr Whls-60" Full Ht Cmpt-Pntd Roll Up Outside 60"	2011.00	2011.00
44-40-1020		2	-- Vents, Compts, Louvers (Ea)	37.00	74.00
45-02-4100		2	-- Shelf, Adjust, Alum 3/16", EXT	200.00	400.00

PART NO	S	QTY	DESCRIPTION	EACH	EXTENDED
45-30-1125		2	-- Turtle Tile, Shelves/Trays, 1/4 Depth, (each)	104.00	208.00
45-06-2100		1	-- Slide Tray, 500#, Alum 3/16" (1/4 Dpth), EXT	685.00	685.00
45-30-1125		1	-- Turtle Tile, Shelves/Trays, 1/4 Depth, (each)	104.00	104.00
80-76-0110		1	-- Reflective Stripe, Red/White, Trays/Toolboards, Ea	45.00	45.00
55-01-3390		1	-- Cmpt Lt, Wall, OSS Access, 54" LED Tube Lt, (2) Ea Cmpt	382.00	382.00
55-06-1100		1	-- Cmpt Lt, Dr Swtch, Auto, Ea	102.00	102.00
33-60-2120		1	Rr Bdy, Flat Back, RrMt Pumper, EXT	0.00	0.00
32-08-5200	S <	1	-- Rr Center Pump Cmpt - Full Height Roll Up Plumbing for rear mount pump located behind roll up door.	2770.00	2770.00
			The rear center of body recessed pump discharge / inlet panel shall be located behind a satin finish roll up door that will be covered by reflective chevron as specified later herein.		
55-01-3290		1	-- Cmpt Lt, Wall, OSS Night Axe, 54" LED Tube Lt, (2) Ea Cmpt	553.00	553.00
55-06-1100		1	-- Cmpt Lt, Dr Swtch, Auto, Ea	102.00	102.00
		1	<b>COMPARTMENT STORAGE PROVISIONS</b>	<b>0.00</b>	<b>0.00</b>
33-61-1320		1	-- Rr Step, EXT Bdy, Bolt-On, 12"	966.00	966.00
38-90-2014		1	-- Access Ladder, Rosenbauer EZ Climb, Right Rr, 14" Wide	1124.00	1124.00
33-70-1433		1	-- Handrail, Alum, Lighted, White LED, EZ-Climb Ladder 60", Pair	495.00	495.00
54-10-1312		2	-- Step Lt, Access Ladder, OSS Access, 8" LED , Plshd Bzl, Ea	111.00	222.00
44-11-5150		1	Whl Well Cmpt, Ahd of Whls Left Side, EXT	0.00	0.00
44-10-2600		1	-- Whl Well Cmpt, Triple SCBA Tube, Brshd S/S Dr	749.00	749.00
44-11-5350		1	Whl Well Cmpt, Bhnd Whls Left Side, EXT	0.00	0.00
44-07-1700		1	-- Fuel Fill Door Assy, BSST, Poly Pckt, LH Whl Wll Pnl, (Fire Shopp)	370.00	370.00
44-10-2200		1	-- Whl Well Cmpt, Dual SCBA Tube, Brshd S/S Dr	489.00	489.00
44-11-5550		1	Whl Well Cmpt, Ahd of Whls Right Side, EXT	0.00	0.00
44-10-2600		1	-- Whl Well Cmpt, Triple SCBA Tube, Brshd S/S Dr	749.00	749.00
44-11-5750		1	Whl Well Cmpt, Bhnd Whls Right Side, EXT	0.00	0.00
44-10-2600		1	-- Whl Well Cmpt, Triple SCBA Tube, Brshd S/S Dr	749.00	749.00
44-17-5200	S <	1	-- Roof Cmpt, Left Side, Two, 25"W x 25"D x <96"L, EXT One compartment with two lids	5187.00	5187.00
44-25-2530		1	-- Divider, (3) Roof Compts, Side to Side, 24", EXT	441.00	441.00
45-30-2400		2	-- Turtle Tile, Floor, Roof Compts, <90"L	153.00	306.00
55-04-3345		2	-- Cmpt Lt, Dr, OSS Access, 62" LED Tube Lt, Ea	210.00	420.00
55-06-1100		2	-- Cmpt Lt, Dr Swtch, Auto, Ea	102.00	204.00
44-19-5200	S <	1	-- Roof Cmpt, Right Side, Two, 25"W x 25"D x <96"L, EXT W / Rr Step Landing Area One compartment with two lids	5187.00	5187.00
			Stop short at rear to create landing area for EZ Climb ladder which will transition directly onto walkway.		
44-25-2530		1	-- Divider, (3) Roof Compts, Side to Side, 24", EXT	441.00	441.00
45-30-2400		2	-- Turtle Tile, Floor, Roof Compts, <90"L	153.00	306.00
55-04-3345		2	-- Cmpt Lt, Dr, OSS Access, 62" LED Tube Lt, Ea	210.00	420.00
55-06-1100		2	-- Cmpt Lt, Dr Swtch, Auto, Ea	102.00	204.00
44-30-2202		1	-- Roof Access, Landing Area, Left Rear, 24"W x 20"L x 15"D	559.00	559.00

PART NO	S	QTY	DESCRIPTION	EACH	EXTENDED
54-11-1500		1	-- Wlkwy Lt, Access Landing, Rcscd, LED, One (1)	78.00	78.00
54-11-2102		1	-- Lt Swtch, On w/ Park Brake or Grnd Lts	0.00	0.00
90-10-1300	<	1	Ladder, Velocity (Little Giant), 9-15' Alum, Model 15417-001 Mounted in the L1/R1 transverse compartment as per drawing. See QW option 45-25-5500 for mounting provisions	524.00	524.00
		<b>1</b>	<b>== EXT Pmpr/Tnkr Common Body Parts - 108.018</b>	<b>0.00</b>	<b>0.00</b>
			<b>01/08/18 ==</b>		
44-01-1400		1	-- Bdy Trim, Frnt Bdy, Ht of Side Cmpts, Alum T/P	185.00	185.00
44-01-4020		1	-- Bdy Trim, Rr Bdy, Smooth Alum for Chevron Stripe, EX	452.00	452.00
44-07-4200		1	-- Fuel Tank, Removable Access Panel	102.00	102.00
33-62-4200		1	-- Step, Fldg, Rear, Right Hand, Integral LED Lts	162.00	162.00
33-70-1301	S <	1	-- Handrail, Alum, Lighted, White LED, Rr Step, Vert, 48", One Left Only one on left rear	325.00	325.00
33-70-2101	S <	1	-- Handrail, Alum, Lighted, White LED, On Hosebed Cover Horz, 36" Mounted on the hosebed cover/false floor	266.00	266.00
33-70-3101		1	-- Handrail, Alum, Lighted, White LED, Top of Bdy Sides, Rr, 12", Pair	367.00	367.00
44-02-1120		1	-- Rub Rails, Lwr Bdy, EXT, Extrd Alum	442.00	442.00
		<b>1</b>	<b>== EXT Pmpr/Tnkr - AC Electrical System - 108.018</b>	<b>0.00</b>	<b>0.00</b>
			<b>01/08/18 ==</b>		
60-15-1100		1	-- Gnrtr, Onan Hyd, 6KW, 120/240V, 60 Hz, 1 PH, CMHG	10559.00	10559.00
60-20-3600		1	-- Gnrtr Install, Fxd, Hyd Driven, Base Specs	0.00	0.00
60-20-4100		1	-- Circuit Breaker Box, 6 to 8KW, 1 PH	902.00	902.00
60-20-5100		1	-- Gnrtr Breaker Lctn, Side Cmpt	0.00	0.00
60-20-7100		1	-- Gnrtr Instrmnt Panel Lctn, Side Cmpt	0.00	0.00
60-15-9300	S <	2	-- Gnrtr, Hyd, Engage By PTO Swtch in Cab and Pump Panel Single generator PTO and Excite switch in cab and at pump panel 3 way option	192.00	384.00
60-20-1300		1	-- Gnrtr Mtg, Top of Bdy	225.00	225.00
60-20-8300		1	-- Gnrtr Wiring, Combo, SO & THHN	133.00	133.00
60-25-1400	S <	1	-- Rcptcl, 120V, 20 Amp, Strght Bld, Duplex In left front upper body compartment for plugging in specified compressor. Outlet to have a switch at the pump panel that will excite power to the outlet to turn on the compressor when generator is engaged.	226.00	226.00
60-30-3300		1	-- Rcptcl Lctn, Roof, Upper Bdy, Cmpt, Ea	136.00	136.00
60-25-9610	<	3	Shore Power Strip, 120V, 15 Amp, 4-Plug Strip Rcptcl, MN One located on rearward wall of R4 for extrication battery charging etc. Two others to be located at pre construction conference.	267.00	801.00
61-01-1550		1	Cable Reels, Provd'd by Bdy Bldr	0.00	0.00
61-01-3100		1	-- Cable Reel, Hannay ECR1600, Elec Rwnd, 120V 50A 3 Wire	1145.00	1145.00
61-02-1750		1	-- Cable Reel Lctn, Left Side, Over Whl Cmpt, Upper	310.00	310.00
61-03-3400		1	-- Cable, Elec, 120V, 200' 10/3 Blk	327.00	327.00
61-04-7200		1	-- Cable Rcptcl, 120V L5-20R, 3-Prong, Twst Lck	100.00	100.00

PART NO	S	QTY	DESCRIPTION	EACH	EXTENDED
61-04-9100		1	-- Ball Stop, Cable, Orange	51.00	51.00
61-05-1120		1	-- Jct Box, AKR, (4)120V 5-20R SB, L5-20P Pgtl, Gray	454.00	454.00
61-05-4000		1	-- Jct Box, Holder, Brushed Alum	122.00	122.00
61-04-8200		1	-- Roller Assy, Cable Reel, 4-Way, SS Rollers	122.00	122.00
64-20-1300		1	Lt Tower Mtg, Hrzntl, Top of Apparatus Bdy	325.00	325.00
64-12-1106		1	-- Lt Tower, Knight, KL415A-FX, FRC Spectra Max, (6)-335W 120V	25942.00	25942.00
64-13-6010		1	-- Controls, Mtg, Light Tower, Left Front Compt	0.00	0.00
64-13-9100		1	-- BackLt, CL, and KL Series	1588.00	1588.00
		1	<b>== EXT Pmpr/Tnkr - Equipment Systems - 108.018 01/08/18 ==</b>	<b>0.00</b>	<b>0.00</b>
77-07-1100	S <	1	110V Air Compressor Truck Mount W/ 2 Outlets Furnish and install an Ingersoll Rand SS3J2WB 115V 30 gallon capacity air compressor plumbed to two (2) remote locations air outlets. Compressor to be mounted in the forward portion of the drivers side front upper body compartment with positive hold down mounts to allow for removal of unit if necessary. The compressor will be plumbed to a front bumper quick connect air outlet located to the left of the specified hose reel under the reel cover and on the lower left rear on the rear center pump panel next to the discharge drains both outlets properly labeled. An outlet specified herein will be located near the compressor and will have a switch to power the outlet at the pump panel.	2248.00	2248.00
10-19-6000	S <	2	-- Air Outlet, Mnl, Cab Exterior, Front Bumper & Rear Pum Compt The compressor will be plumbed to a front bumper quick connect air outlet located to the left of the specified hose reel under the reel cover and on the lower left rear on the rear center pump panel next to the discharge drains both outlets properly labeled	238.00	476.00
77-10-7600		1	Winch, Warn, Elec, Prtbl, 9,500#, 9.5cti Multi-mount P/N 85760	2015.00	2015.00
77-10-8300	<	1	Rcv'r, Frnt, Winch/Rope, 9,000# Offset to passenger side of hose reel tub.	734.00	734.00
77-10-7710		1	-- Winch Power Rcptcl, Warn, 12V, Quick Disconnect, Ea	253.00	253.00
77-10-8600		1	Rcv'r, Rr, Winch/Rope/Trailer, 9,000#	729.00	729.00
77-10-7710		1	-- Winch Power Rcptcl, Warn, 12V, Quick Disconnect, Ea	253.00	253.00
77-11-0800		1	-- Trailer Hitch Pwr Plug, 12V, 7 Pin	360.00	360.00
77-10-9200		1	Rcv'rs, Bdy Side, Winch/Rope, 9,000# w/Rcv'r, (1) Ea Side	1224.00	1224.00
77-10-7710		2	-- Winch Power Rcptcl, Warn, 12V, Quick Disconnect, Ea	253.00	506.00
77-26-9100		3	Hyd Tool Mounting, Basic, Ea	305.00	915.00
		1	<b>== EXT SA Pmpr/Tnkr - Pnt/Ltr/Str - 108.018 01/08/18 ==</b>	<b>0.00</b>	<b>0.00</b>
80-05-5200		1	Bdy Paint, Pmpr/Tnkr, Sngl Color, EXT	0.00	0.00
80-32-1350		1	Compt Finish, DA Sanded, Up to 10 Cmpts, EXT	692.00	692.00
80-40-1250		1	Whl Finish, By Chassis Manufacturer	0.00	0.00
80-42-1500		1	Bdy Paint, Touch Up, 2 oz. Bttl, One Color	0.00	0.00
80-50-1700	S <	1	\$4,000.00 Advanced Graphics Graphics Allowance An allowance of \$4,000.00 is included in the price of the truck	4000.00	4000.00

[illegible]

# QUOTATION

# General Safety Fire Apparatus

LAKE ELMO 2018 HGAC RESCUE PUMPER CHASS

Exp. Date: 03/21/2018  
Quote No: 10135-0011  
03/12/2018

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PART NO	S	QTY	DESCRIPTION	EACH	EXTENDED
		1	== Rosenbauer Commander - 822.016 08/22/16 ==	0.00	0.00
03-00-0101		1	-- Certification - NFPA	0.00	0.00
08-09-0102		1	-- Cab Paint Warranty, 10 Year Pro Rated	0.00	0.00
08-09-0104		1	-- Cab Structural Warranty Ten Years	0.00	0.00
08-09-0105		1	-- Transmission Warranty Allison Five Years	0.00	0.00
08-09-0106		1	-- Engine Warranty Cummins Five Years	0.00	0.00
08-09-0107		1	-- Frame Warranty Lifetime	0.00	0.00
08-09-0109		1	-- Front Axle Warranty Hendrickson	0.00	0.00
08-09-010A		1	-- Rear Axle Warranty Meritor	0.00	0.00
08-09-0111		1	-- Warranty - Cab and Chassis Two Year	0.00	0.00
08-09-0301		1	-- Cab Test Information Static Load Seat Test	0.00	0.00
08-09-0302		1	-- Cab Test Information Crash Test ECE-29	0.00	0.00
08-09-0303		1	-- Cab Test Information SAE J2420; J2422	0.00	0.00
08-09-0304		1	-- Cab Test Information Roof Crush, Side & Frontal Impact	0.00	0.00
08-09-0501		1	-- Operation & Parts List Manuals (2) Sets, CD	0.00	0.00
08-09-0503		1	-- Engine & Transmission Operation Manuals (1) Set	0.00	0.00
08-09-0530		1	-- As Built Wiring w/Plumbing Diagram (1) Set	0.00	0.00
08-09-0540		1	-- On Board USB Manual Storage	0.00	0.00
08-80-0200		1	-- DOT KIT	89.00	89.00
		1	VEHICLE TYPE	0.00	0.00
03-00-0132		1	Rear Mount Pumper	0.00	0.00
03-00-0140		1	-- Standard Crossmembers	0.00	0.00
07-03-0122		1	-- Rear Mount Pump Splitshaft PTO Driven Pump w/Jackshaft	0.00	0.00
		1	CAB	0.00	0.00
03-00-0840		1	78" Cab Length 24" Roof	39906.00	39906.00
03-05-0424		1	-- Driver Exterior Rear Compartment 37"H x 17.5" W Hinge Door	1737.00	1737.00
03-05-0500	<	1	-- Driver Compt Non-Transverse The compartment shall have a vent	0.00	0.00
03-05-0551		1	-- Driver Exterior Rear Compartment - Chrome Handle	120.00	120.00
03-05-0430		1	-- Driver Rear Cab Compartment Manual Door Locks	0.00	0.00
05-01-5105		1	-- Driver Rear Compartment Interior Finish DA Sand	66.00	66.00
08-00-2012		1	-- Driver Rear Compt Lighting LED Strip 18"	112.00	112.00
03-05-0454		1	-- Officer Exterior Rear Compartment 37"H x 17.5"W Hinge Door	1737.00	1737.00

PART NO	S	QTY	DESCRIPTION	EACH	EXTENDED
03-05-0500	<	1	-- Driver Compt Non-Transverse The compartment shall have a vent	0.00	0.00
03-05-0561		1	-- Officer Exterior Rear Compartment - Chrome Handle	120.00	120.00
03-05-0460		1	-- Officer Rear Cab Compartment Manual Door Locks	0.00	0.00
05-01-5125		1	-- Officer Rear Compartment Interior Finish DA Sand	66.00	66.00
08-00-2112		1	-- Officer Rear Compt Lighting LED Strip 18"	112.00	112.00
03-05-6620	S <	1	-- Interior Cabinet, Center, Forward Facing, Floor Mtd, With Cargo Webbing There shall be a full interior cab height and full interior cab width power ventilated gear storage cabinet installed on the back wall of the cab interior. The cabinet will be split on the rear wall by two door roll up door openings but one large common compartment, The larger opening shall be on the on the passenger side with a minimum opening 62" wide. The sill between the two doors will be as narrow as possible with remaining space on the passenger side provided with another roll up door to fill the remaining space. The cabinet interior will NOT be split in two. It will have two natural finish roll up doors but will be open inside the compartment the full cab interior width. The compartment will be as deep as possible rearward of the rear crew door openings approx. 20" deep.  On the inside of the compartment there will four (4) heavy duty 1" diameter hanger pegs approx. 18" long that will be firmly reinforced and attached to the back wall of the cab to act as hangers for wet suits and PFD's in the compartment hung on these hanger pegs. Exact mounting locations / spacing of the hanger pegs to be determined by the fire department at pre construction and locations approved by the manufacturer.  One pair of vertical LED OSS strip lights for each door opening. (Total of four (4) vertical light strips.)  Roll up doors and interior compt lights to be installed by RMN and frame and interior color to be done by RBM per Mike Gaustad, Dan Van Alten, Mike Schoenberger, Joe Lichtscheidl.	9201.00	9201.00
		1	<b>COMMANDER EMS CABINETS - REAR CREW - FORWARD FACING OUTBOARD POSITION</b>	0.00	0.00
		1	<b>CAB DOORS</b>	0.00	0.00
03-06-1015		1	-- Cab Entry Doors	0.00	0.00
03-06-0010		1	-- Steps Aluminum Treadplate	891.00	891.00
03-06-1025		1	-- Full Length Cab Entry Doors	393.00	393.00
03-06-1500		1	-- No Lower Door Kick Panel (No Overlay)	0.00	0.00
03-06-1100		1	-- Cab Door Hardware Chrome (4)	1081.00	1081.00
03-06-1120		1	-- Cab Door Locks Manual	0.00	0.00
03-06-1135		1	-- Interior 1-Piece Door Panel Type Aluminum	490.00	490.00
03-06-1206		1	-- Door Panel Finish Line-X Black	355.00	355.00
03-06-1225		1	-- Chevron, Reflective, Interior Cab Door - Scotchlite Red/Amber	349.00	349.00
04-05-0105		1	-- Interior Handle Front Door Grab Handles - Black Powder Coat	292.00	292.00
04-05-0150		1	-- Interior Grab Handle Rear Door Chicago Style 34" Black Powder Coat	170.00	170.00

PART NO	S	QTY	DESCRIPTION	EACH	EXTENDED
04-05-0182		1	-- Additional Grab Handles, "A" Pillar	132.00	132.00
		<b>1</b>	<b>CAB GLASS</b>	<b>0.00</b>	<b>0.00</b>
03-08-0101		1	-- Windshield One Piece - COMMANDER	559.00	559.00
03-08-0102		1	-- Windshield Wiper System Single Motor (2) Wipers - 3D Grille	616.00	616.00
08-02-0136		1	-- Windshield Wiper Activation Smart Wheel	0.00	0.00
03-08-0151		1	-- Window 50% Tint Driver Power	1095.00	1095.00
08-01-0301		1	-- Power Window Activation, Respective Door	416.00	416.00
03-08-0153		1	-- Window 50% Tint Officer Power	863.00	863.00
03-08-0226		1	-- Window 50% Tint Driver Crew Door Power	882.00	882.00
03-08-0252		1	-- Window 50% Tint Officer Crew Door Power	882.00	882.00
03-08-0320		1	-- Window 50% Tint Side Middle Driver Fixed 18"W x 24"H	148.00	148.00
03-08-0370		1	-- Window 50% Tint Side Middle Officer Fixed 18"W x 24"H	148.00	148.00
03-08-2002		1	-- 24" Raised Roof Windows	0.00	0.00
03-08-0602		1	-- Window, 50% Tint Upper Side Front (2) Officer/Driver Fixed 15W x 12H (24" Cab)	377.00	377.00
03-08-0652		1	-- Window 50% Tint Upper Side Rear Door (2) Officer/Driver Fixed 28"W x 13"H (24	446.00	446.00
		<b>1</b>	<b>CAB INTERIOR AND TRIM</b>	<b>0.00</b>	<b>0.00</b>
03-09-8010		1	-- Cab Insulation Interior Ceiling	599.00	599.00
03-09-8015		1	-- Cab Insulation Engine Tunnel	261.00	261.00
03-09-8020		1	-- Cab Insulation Cab Damping	120.00	120.00
04-01-1181		1	-- Interior Trim Color Black Rear Wall 24" Roof	1118.00	1118.00
04-01-2108		1	-- Interior Trim Color Black, 78"- 24" Roof	4386.00	4386.00
04-02-1001		1	-- Floor Mounted Throttle and Brake Pedals	0.00	0.00
04-02-1128		1	-- Interior Floor Covering Color Black, 78"	2513.00	2513.00
04-02-1700		1	-- Interior Trim Sun Visor Vinyl	224.00	224.00
04-02-1798		1	-- Cab Coating Interior Color	0.00	0.00
05-01-1050		1	-- Cab Coating Interior Black	750.00	750.00
		<b>1</b>	<b>CAB DASH AND ENGINE TUNNEL - 78" SHORT</b>	<b>0.00</b>	<b>0.00</b>
04-03-0800		1	-- Cab Dash & Engine Tunnel, Composite Dash - Short Tunnel	3168.00	3168.00
04-03-1022		1	-- Cab Dash & Engine Tunnel Line-X Coating Black	293.00	293.00
04-03-1200		1	-- Flat Mntg Plate - Rear Engine Tunnel	200.00	200.00
04-03-2100		1	-- Officer Glove Comp	290.00	290.00
		<b>1</b>	<b>CUSTOM CONSOLE</b>	<b>0.00</b>	<b>0.00</b>
04-04-1100		1	-- Havis Console	506.00	506.00
04-04-1102		1	-- Havis Console - Custom Configuration	328.00	328.00
04-04-1116	<	1	-- Black Blank Plate Zone 6 upper	108.00	108.00
04-04-1126	<	1	-- Black Plate(s) for Communication Radio Zone 6 middle for Motorola XTL 2500	80.00	80.00
04-04-1132	<	2	-- Black Plates with (1) Power Point & (1) Dual USB Power Point One each driver and officer side on the forward flat portion of the Havis console	122.00	244.00
04-04-1142		1	-- Map Light, Federal Signal, LF12TSB-LED	176.00	176.00
04-04-1161		2	-- Cup Holder, Dual	53.00	106.00
04-04-1176	<	1	-- Black Plate for Siren Zone 2 lower	43.00	43.00

PART NO	S	QTY	DESCRIPTION	EACH	EXTENDED
04-04-1201	<	1	-- Black Plate for AM/FM Radio Zone 2 upper	43.00	43.00
08-01-0140		1	-- Instrumentation Panel Inlay - Job Color	52.00	52.00
		1	<b>CAB HEADER - HEAT AND AC</b>	<b>0.00</b>	<b>0.00</b>
03-08-4000		1	Cab Header / Heating and AC	0.00	0.00
05-02-0010		1	-- Heating w/ Air Conditioning, Overhead, VMUX	6157.00	6157.00
05-01-6010	<	1	-- Cab Paint A/C Condenser on Roof SAME COLOR AS ROOF	99.00	99.00
05-02-0047		1	-- Heater Hose - Silicone	0.00	0.00
05-02-0200		1	-- A/C Condenser Location Roof Mount Mid Center	0.00	0.00
05-02-0298		1	-- Cab Circulation Hanging Fans Mid (2) Inboard	317.00	317.00
05-02-0300		1	-- Auxiliary Defroster Fans	410.00	410.00
08-02-0121		1	-- Heat & A/C Activation VISTA, Rear Crew Manual	0.00	0.00
08-02-0104		1	-- Rear Crew Controls Manual - Rear Facing Driver's Side Seat - Remote Mt	255.00	255.00
		1	<b>SEATS</b>	<b>0.00</b>	<b>0.00</b>
03-09-0105		1	-- Seat Color Black/Red Seat Belt	0.00	0.00
03-09-01X1		1	-- Seat Driver 911 Seats Inc XL 4-Way Air ABTS	1752.00	1752.00
03-09-000A		1	-- Single Retractor Seat Belt - Seats Inc	0.00	0.00
03-09-0121		1	-- Seat Back Non-SCBA	0.00	0.00
03-09-02X2		1	-- Seat Mounting Driver Air XL - Seats Inc	181.00	181.00
03-09-0902		1	-- Seat Material Turnout Tuff	0.00	0.00
03-09-0920		1	-- Seat Logo Rosenbauer	0.00	0.00
03-09-3010		1	-- Driver Seat Box Storage Compartment	0.00	0.00
03-09-3236		1	-- Seat Box Driver & Officer Storage Access Doors (2) Driver/Officer	104.00	104.00
03-09-024A		1	-- Seat Officer 911 XL Seats Inc Fixed ABTS	805.00	805.00
03-09-000A		1	-- Single Retractor Seat Belt - Seats Inc	0.00	0.00
03-09-0119		1	-- Seat Back SCBA Center Cushion Release W/ Zico EZ LOC	342.00	342.00
03-09-02X5		1	-- Seat Mounting Officer Fixed XL Seats Inc	174.00	174.00
03-09-0311		1	-- Parade Panels	52.00	52.00
03-09-0902		1	-- Seat Material Turnout Tuff	0.00	0.00
03-09-0920		1	-- Seat Logo Rosenbauer	0.00	0.00
03-09-3020		1	-- Officer Seat Box Storage Compartment	0.00	0.00
03-09-033A		1	-- Two (2) Outboard Rear Facing Seats - XL	0.00	0.00
03-09-035B	<	2	-- Seat Crew Rear Facing Outer 911 Seats Inc XL Flip-U ABTS Belt Orientation- LH & RH to Door	831.00	1662.00
03-09-000A		2	-- Single Retractor Seat Belt - Seats Inc	0.00	0.00
03-09-0119		2	-- Seat Back SCBA Center Cushion Release W/ Zico EZ LOC	342.00	684.00
03-09-0311		2	-- Parade Panels	52.00	104.00
03-09-038A		2	-- Seat Mounting Rear Facing Outer - XL Seats Inc.	174.00	348.00
03-09-0902		2	-- Seat Material Turnout Tuff	0.00	0.00
03-09-0920		2	-- Seat Logo Rosenbauer	0.00	0.00
03-09-0409		1	-- NO SEAT(S) OR SEAT BOX - Full Length Rear Wall Kick Plate	0.00	0.00
		1	<b>CAB EXTERIOR</b>	<b>0.00</b>	<b>0.00</b>
04-05-1900		1	Exterior Grab Handles 18" Aluminum	0.00	0.00
04-05-1911		1	-- Exterior Grab Handles Bare Aluminum w/ Lighting	0.00	0.00

PART NO	S	QTY	DESCRIPTION	EACH	EXTENDED
04-05-2005		1	-- Exterior Grab Handles with White LED Lighting 18"	357.00	357.00
08-01-0800		1	-- Grab Handle LED Light Actvtn w/ Parking Brake	330.00	330.00
		<b>1</b>	<b>CAB FRONT FASCIA</b>	<b>0.00</b>	<b>0.00</b>
04-08-0010		1	===== Traditional Front with Rectangular Headlamp Bezels =====	0.00	0.00
04-08-0140		1	-- Front Grille, 3D Stainless Steel	1203.00	1203.00
04-08-0022		1	-- Wing Light Bezel - Stainless	387.00	387.00
04-08-0090		1	-- Logo, Rosenbauer, Grille Mount	0.00	0.00
04-08-0072		1	-- Front Grille Inlay, American Flag	1195.00	1195.00
04-08-0143		1	-- Grille Mounted Roto-Ray Provision	435.00	435.00
06-03-2010		1	-- Fluid Checks & Fills at Grille ISL	153.00	153.00
08-00-0503		1	-- Headlights, Quad, with Rectangular Bezel	851.00	851.00
08-00-0540	<	1	-- Headlight Location - Upper Bucket 104 OS, 105 OS, and 104 DS, 105 DS	0.00	0.00
08-00-0603		1	-- Front Turn Signals Whelen M6 LED (2)	242.00	242.00
08-00-0632	<	1	-- Turn Signal Located Upper Wings 103 OS & DS	0.00	0.00
08-00-0606		1	-- Side Marker Light LED (2)	159.00	159.00
08-01-0304		1	-- Headlight Actv in Smart Wheel; Marker Light Activated Vista	0.00	0.00
08-00-0608		1	-- Front Marker Lamps Face Mounted LED (Center 3 Lightings, 2 Corner)	109.00	109.00
04-08-0151		1	Cab Fender Stainless Steel	456.00	456.00
04-09-0126		1	Cab Exterior Trim Lower Side Stainless 10" Wrap- 78" Cab w/Drvr & Offcr Rr Comp	1010.00	1010.00
04-09-0190		1	===== No Stainless-Steel Rear Wall Cap - pick to select =====	0.00	0.00
04-09-0300		1	Logo, Commander, Cab Sides	0.00	0.00
04-10-0351		1	Mud Flaps Front	87.00	87.00
		<b>1</b>	<b>CAB TILT</b>	<b>0.00</b>	<b>0.00</b>
05-00-0221		1	Cab Tilt System - Heavy Duty w/ Manual Back Up	4019.00	4019.00
05-00-0021		1	-- Cab Tilt Limit Switch	109.00	109.00
05-00-0045		1	-- Cab Tilt Lock Down Indicator	118.00	118.00
05-00-0100		1	-- Cab Tilt Control Receptacle Temp	0.00	0.00
		<b>1</b>	<b>REARVIEW MIRRORS</b>	<b>0.00</b>	<b>0.00</b>
05-00-5010		1	West Coast Style Mirrors	0.00	0.00
05-00-5305		1	-- Retractable W Cst-Drv Dr Mt (613810)-Off Dr Mt (613810)-H&R-DV,H&R(LWR)CVX-CHR	924.00	924.00
08-01-0821		1	-- Rearview Mirror Remote & Heat Switch Driver Panel	182.00	182.00
		<b>1</b>	<b>EXTERIOR CAB PAINT</b>	<b>0.00</b>	<b>0.00</b>
05-01-5015		1	Cab Paint Exterior Two Tone	1420.00	1420.00
05-01-5020	<	1	-- Cab Paint Upper / Secondary PPG Black 9300	0.00	0.00
05-01-5021	<	1	-- Cab Paint Lower / Primary PPG Red 4154 Victory Red	0.00	0.00
05-01-503D		1	-- Cab Paint Exterior Breakline - Paint Break D	135.00	135.00

PART NO	S	QTY	DESCRIPTION	EACH	EXTENDED
05-01-6051		1	-- Cab Undercoating	0.00	0.00
05-01-7000		2	-- Cab Paint Spray Out	51.00	102.00
		<b>1</b>	<b>FRONT AXLE</b>	<b>0.00</b>	<b>0.00</b>
07-05-010B		1	Front Axle Hendrickson SteerTek 20000#	3574.00	3574.00
07-05-0120		1	-- Front Wheel Bearing Lube Oil	0.00	0.00
07-05-0272		1	-- Front Suspension Hendrickson Parabolic Spring 20K	2186.00	2186.00
07-05-0341		1	-- Power Steering Gear TRW TAS 85 w/Assist- 20K and u - L9 & X15 Steertek Axle	4085.00	4085.00
07-06-0420		1	-- Chassis Alignment	0.00	0.00
07-06-0522		1	-- Front Cramp Angle 45 Degrees	0.00	0.00
07-07-014A		1	-- (2) Front Tires 385/65R 22.5 Michelin X Multiway HD XZE "L"	1896.00	1896.00
07-06-0436		2	-- Counter Acting Balancing Beads	18.00	36.00
07-07-0720		1	-- (2) Front Wheels Alcoa Polished 22.5 x 12.25 Aluminum	1060.00	1060.00
07-08-0203		1	-- Front Brakes Meritor EX225 Disc 17"	1530.00	1530.00
07-05-0311		1	4 Spoke Smart Steering Wheel w/ESC Tilt/Telescopic 18	1025.00	1025.00
		<b>1</b>	<b>REAR AXLE</b>	<b>0.00</b>	<b>0.00</b>
07-06-0102		1	Rear Axle, Single, 27000# Meritor RS-25-160	5175.00	5175.00
07-06-0222		1	-- Rear Suspension Reyco 79KB - Spring 27000# Parabolic	3467.00	3467.00
07-08-0253		1	-- Rear Brakes Meritor EX225 Disc 17"	868.00	868.00
07-06-0300		1	-- Rear Shock Absorbers	364.00	364.00
07-06-0350		1	-- Rear Axle Differential Control DCDL single	467.00	467.00
08-01-0902		1	-- Rear Axle Diff Control (DCDL) Activated Vista	0.00	0.00
07-07-0326		1	-- (4) Rear Tires 12R 22.5 Michelin XDN2 "H"	2994.00	2994.00
07-06-0436		4	-- Counter Acting Balancing Beads	18.00	72.00
07-07-0784		1	-- (4) Rear Wheels Alcoa Polished 22.5 x 8.25 Aluminum	1277.00	1277.00
07-07-0610		1	-- Valve Stem Extension - Single Axle	0.00	0.00
07-07-0996		1	-- Vehicle Top Speed 68	0.00	0.00
07-08-0103	<	1	-- Electronic Stability Control Single Axle w/ air manifold	3566.00	3566.00
07-08-0189		1	-- Air Tank Brackets - Hot Dipped Galvanized	0.00	0.00
07-08-0301		1	-- Park Brake Rear Wheels Only	0.00	0.00
08-02-0130		1	-- Park Brake Control Driver Dash	0.00	0.00
07-08-0410		1	-- Wabco System Saver 1200	210.00	210.00
07-08-0551		1	-- Moisture Ejectors Manual	0.00	0.00
07-08-0570		1	-- Air Supply Lines Nylon	0.00	0.00
07-08-0725		1	-- Air Horn Reservoir (1) 1200 Cu In	382.00	382.00
07-09-001B		1	Frame Double Channel 35" Frame Width	12133.00	12133.00
07-09-0045		1	-- Wheelbase Range 220" - 239"	364.00	364.00
07-09-0085	S	1	-- Rear Overhang 80"	252.00	252.00
07-09-0130		1	-- Frame Paint Powder Coat Black	0.00	0.00
07-13-0305		1	-- Tow Hooks Chrome - Shipped Loose	252.00	252.00
		<b>1</b>	<b>ENGINE</b>	<b>0.00</b>	<b>0.00</b>
06-00-0050		1	-- Engine Placement	0.00	0.00
06-00-1572		1	-- Engine, Cummins L9, Base Spec, 2017	0.00	0.00
06-00-1578		1	-- 450HP Cummins L9 - 2017	35062.00	35062.00
06-02-1110		1	-- Fan Clutch - ISL	1245.00	1245.00
06-04-3010		1	-- Fan Clutch Programming - Cold Weather Climate	0.00	0.00

PART NO	S	QTY	DESCRIPTION	EACH	EXTENDED
06-02-1526		1	-- Auxiliary Engine Brake Compression Brake (JAKE)	1580.00	1580.00
08-01-0203		1	-- Auxiliary Engine Brake Control On/Off & Low/Med/High Switch Smart Wheel	0.00	0.00
06-02-2003		1	-- AC Compressor - L9 & ISX 12L	0.00	0.00
06-03-1010		1	-- Engine High Idle Speed 1250 RPM	0.00	0.00
06-03-1023		1	-- Engine High Idle Control Manual & Automatic VISTA	19.00	19.00
06-05-3010		1	-- Engine Air Intake Filtration and Restriction L9	552.00	552.00
06-06-3732		1	-- Engine Exhaust System One Piece Officer Side DPF/SCR - L9 380 hp & up -2017	13418.00	13418.00
06-06-4006		1	-- DEF Tank - 2017	359.00	359.00
06-06-4100		1	-- DEF Tank Access Fill Door	164.00	164.00
06-08-0100		1	-- Engine Exh Acc Temp Mitigation	0.00	0.00
06-08-0200		1	-- Engine Exhaust Wrap	0.00	0.00
08-02-0140		1	-- DPF Control Regeneration Switch & Inhibit Switch Covered	0.00	0.00
06-04-2002		1	-- Engine Cooling System- L9	5203.00	5203.00
06-04-4010		1	-- Coolant Valve Shut Off Valve w/Connection - For Additional Heater	138.00	138.00
06-05-1002		1	-- Engine Pump Heat Exchanger L9	390.00	390.00
		<b>1</b>	<b>TRANSMISSION</b>	<b>0.00</b>	<b>0.00</b>
07-01-0100		1	-- Transmission Allison 3000 EVS	13171.00	13171.00
07-01-0500		1	-- Transmission Fluid - Standard	0.00	0.00
07-02-0008		1	-- Transmission GEN V-E Push Button Key Pad	296.00	296.00
07-02-0052		1	-- Transmission Mode Programming 5th Startup/5th Mode	0.00	0.00
07-02-0066		1	-- Transmission Feature Programming I/O Package 198/Pumper	0.00	0.00
07-02-0251		1	-- Driveline Spicer 1710 HD	999.00	999.00
07-04-0112		1	-- Fuel Filter/Water Separator Cummins FS1098	65.00	65.00
07-04-0312		1	-- Fuel Tank 68 Gallon/257 Liter - Dual Fill	1369.00	1369.00
07-04-0216		1	-- Fuel Lines Aramid Braid	93.00	93.00
07-04-0225		1	-- Fuel Shutoff Valve (2) at Filter	138.00	138.00
07-04-0230		1	-- Fuel Cooler Behind Battery Box	561.00	561.00
08-00-0403		1	-- Alternator Delco Remy 275 Amp	1041.00	1041.00
		<b>1</b>	<b>ELECTRICAL SYSTEM</b>	<b>0.00</b>	<b>0.00</b>
08-00-0100		1	Electrical System 12V DC Weldon V-MUX	12770.00	12770.00
08-01-0051		1	-- Driver & Officer VISTA Display Weldon Vista IV	2512.00	2512.00
08-01-0054		1	-- Driver Panel / Switch Panel (6 Switches) Under the Vista Screen	303.00	303.00
08-09-0249		1	-- V-MUX WARRANTY - 4 YEAR	0.00	0.00
08-03-0110	<	1	-- Communication Antenna Base Cab Roof - RBM Supplied Location 302DS	106.00	106.00
08-03-0231		1	-- Ant Cable Routing Under Dash Panel	0.00	0.00
08-04-1200		1	-- Radio WB/AM/FM/CD - Console Mount	439.00	439.00
08-04-2000		1	-- Two (2) Speakers	0.00	0.00
08-02-0610		1	-- Weldon VDR/Seat Belt Warn - VISTA	1003.00	1003.00

PART NO	S	QTY	DESCRIPTION	EACH	EXTENDED
08-01-0010		1	-- Instrumentation Standard Pacific Insight Gauge Panel	722.00	722.00
08-01-0125		1	-- Instrumentation Backlighting Red	0.00	0.00
08-00-0340		1	6 Battery System	0.00	0.00
08-00-0322		1	-- Batteries (6) Group 31	688.00	688.00
08-00-0224		1	-- Battery Box Driver/Officer Side Hot dipped Galvanized Steel w/Covers - 6 Battery	1598.00	1598.00
08-00-0248		1	-- Battery Cables (6)	1442.00	1442.00
08-00-0251		1	-- Battery Jumper Studs Front Driver Lower Step	63.00	63.00
08-01-0034		1	-- 2 Position Battery Master - Driver's Kick Plate	343.00	343.00
08-01-0036		1	-- Ignition Switch	82.00	82.00
08-01-0040		1	-- Power & Ground Stud 40A Batt Direct / 15A Ignition	93.00	93.00
08-02-0176		1	-- Assc Power Distribution Panel Bhnd Off Seat 10 Position 40A Batt Dir	330.00	330.00
08-02-0521		1	-- =====No PWR Cable for Additional Pwr Studs=====	0.00	0.00
08-00-0721		1	-- Ground Lights LED Whelen 3SC0CDCR	263.00	263.00
08-01-0751		1	-- Ground Lights Activation with Park Brake	0.00	0.00
08-00-0732		1	-- Cab Step Lights LED (1 Per Step)	380.00	380.00
08-01-0753		1	-- Step Lights Activated Respective Side	93.00	93.00
08-00-0752		1	-- Interior Door Warning Lights Red 3" LED	239.00	239.00
		1	<b>DOOR JAMB WARNING LIGHTS</b>	<b>0.00</b>	<b>0.00</b>
08-00-0783		1	-- Engine Compartment Work Light LED (2)	156.00	156.00
08-00-0792		1	-- Interior Overhead Lighting LED - Blue/Clear	439.00	439.00
08-00-0815		2	-- Add'l LED Dome Lt Blue/Clear - Individual Swtchd	164.00	328.00
08-00-4090		1	Dr Open/Hazard Wrn Lt, Flash, Whelen 3SR00FRR LED Rnd (Do Not Move Appar	158.00	158.00
08-01-2010		1	Back-Up Alarm Ecco 575	131.00	131.00
08-06-0022		1	Camera System with V-Mux	0.00	0.00
08-06-0011		1	-- Camera System - Chrome Side Cameras	0.00	0.00
08-06-0170		1	-- Driver & Officer Side Camera, Rear Camera; Driver & Officer Vistas	827.00	827.00

[illegible]

## RESCUE/ENGINE VEHICLE COST BREAKDOWN

2018 CIP - \$625,000 placeholder that was arrived at early in 2017 by contacting a vendor and inquiring the “typical” cost of a rescue/engine. The range given was \$600,000 - \$650,000, at that time and the \$625,000 middle of the road was proposed. At that time we had no idea of what the final product would be with our goal to be combining 2 vehicles.

Proposed cost, based on current specifications is \$684,302. The Truck Committee went back to the vendor to determine what the contributing factors were for the increase over the typical rescue/engine of a year ago. Some of the items not considered in the typical rescue/engine from 2017 are as follows:

- \$5K - Light Tower, Provides scene lighting from an elevated position for safer operations for all Responders at night. Committee recommended LED lights for brighter more efficient, longer lasting lighting.
- \$7.8k -Improved scene lighting at and around the truck. As with the Light Tower, Committee recommended additional lighting improved to LED.
- \$11k for larger cab to allow us to combine the operations and equipment of the 2 vehicles, provide a rehab location to get Responders out of the elements and allow rescuers to get into and out of water rescue gear.
- \$6.5k for headset/radio/intercom system to allow crew to communicate with each other and dispatch. This system has been purchased on last 2 vehicles and retrofitted into a previous vehicle as well.
- \$6k reflects chassis cost increase from 1 year ago.
- \$6k for winch system. This is a single vehicle size winch that can be moved to all 4 sides of the truck and used to stabilize vehicles and/or equipment during rescue operations. We currently utilize the winch mounted on the front of a Brush Truck, but are limited by accessibility and personnel.
- \$2.2k for on-board compressor, plumbed into truck to run air tools during rescue operations. We currently utilize breathing air bottles to run tools and this process is very cumbersome in set up and operation. The newer system is quicker, more efficient and requires less personnel when time is critical.
- Additional costs associated with the need for shelving and holders for the rescue equipment.

### COST OFFSETS

- \$141k - \$566k savings by combining the two vehicles into one. Had we purchased them individually, the price range is as follows: Engine (\$450k - \$575k) and Rescue (\$375k - \$450k) – TOTAL \$825K - \$1.25 mm.
- \$10k – \$15k, Potential sale of 1990 Engine
- \$5k – \$7k, Potential sale of 1994 Utility Truck
- \$2k due to smaller generator because of efficient LED lighting.
- \$5k discount for allowing Rosenbauer to show the truck at the FDIC.
- \$? – Potential trade in or sale of used extrication equipment.
- Reduction in maintenance costs. Combined 5 yr. maintenance costs for 2 current vehicles, \$29,436.56 and “Out of Service” – 119 days.
- Received donated, used radio equipment from Washington County and Bayport PD.

## PAYMENT SCHEDULE

Chassis and body are paid for separately. If truck is ordered in the next month, first payment of approximately \$258,632 would be due in Oct./Nov. of 2018. Balance of approximately \$425,670 (\$5,000 discount for FDIC) would be due upon delivery in 2019.

Public Safety Committee had some follow up questions regarding potential savings.

What is the cost savings by going all red vs red/black? **\$1,260**

Any additional discounts for shows or as demo? **None at this time.**

# RESCUE/ENGINE EQUIPMENT COST BREAKDOWN

		ERS	MES	ALEX AIR Hurst,	JEFFERSON	HILLS Amkus	HEIMAN Genesis	PARATECH	M&T Fire Safety Res-Q-Jack	COMMENTS	
CRIBBING		TURTLE PLASTICS CRIB TOOL KIT B	\$3,407.04	\$2,908.46 w/bags \$2,591.67 wo/bags	\$3,407.00 w/bags		\$2,973.45 wo/bags		\$3,367.00 w/bags	\$2,908.46  Replacement of homemade, wooden cribbing that has become splintered, oil soaked, slippery and unsafe with chemical resistant product made from recycled plastics. Efficiency and ergonomic improvement.	
AIRBAGS		PARATECH MODEL 52	\$4,731.95					\$4,981.00	\$4,695.00	\$4,695.00	
		PARATECH MASTER CONTROL KIT G2	\$3,242.35					\$3,413.00		\$3,242.35	
		GENESIS 2 BAGS					\$1,790.00				
		GENESIS AIR CONTROL					\$2,044.00				
		PARATECH, Multiforce Air Lifting Bag Kit							\$6,300.00		
		VETTER 3 BAGS/CONTROLLER			\$15,656.00						
HYDRAULIC TOOLS	BATTERY	SPREADER								\$31,850.00  Moving forward the FD will have the 3 vendors out and get hands on evaluation of the battery tools to make a determination. There is the potential of some trade in value of our old tools. Unknown at this time as it depends on vendor.	
		CUTTER			\$31,850.00		\$23,080.00	\$27,535.00			
		RAM									
	LINE	SPREADER									
		CUTTER									
		RAM									
		POWER PLANT									
STRUTS		\$3,634.70		\$2,945.00		\$2,032.00	\$2,092.00	\$3,826 \$3,613	2-\$6,500.00, 4-\$11,000.00 2-\$7,696.00, 4-\$12,558.00	\$12,558.00  Currently have homemade, limited reuse struts to this point due to limited space and costs. Replacement struts perform multiple functions, easier to use, much safer and will meet demands into the future.	
5" Kryptonite hose - 500'		\$4,347.10								\$4,347.10 Continuation of our replacement program, 4" to 5".	
TOTAL		\$19,363.14	\$0.00	\$79,517.00	\$0.00	\$47,880.00	\$58,660.00		\$10,995.00		

**GRAND TOTAL \$59,600.91** Committee is confident this will be reduced once tool selection is made and options are discussed with vendor.