

**MINUTES
CITY OF LAUREL
CITY COUNCIL WORKSHOP
TUESDAY, MAY 07, 2024**

A Council Workshop was held in Council Chambers and called to order by Mayor Dave Waggoner at 6:29 p.m. on May 7, 2024.

COUNCIL MEMBERS PRESENT:

| | |
|---|---|
| <input checked="" type="checkbox"/> Tom Canape | <input checked="" type="checkbox"/> Heidi Sparks |
| <input checked="" type="checkbox"/> Michelle Mize | <input checked="" type="checkbox"/> Jessica Banks |
| <input checked="" type="checkbox"/> Casey Wheeler | <input checked="" type="checkbox"/> Irv Wilke |
| <input checked="" type="checkbox"/> Richard Klose | <input checked="" type="checkbox"/> Jodi Mackay |

OTHERS PRESENT:

Brittney Harakal, Council Administrative Assistant
Matt Wheeler, Public Works Director (left @ 6:41 p.m.)
Michele Braukmann, Civil Attorney
Kelly Strecker, Clerk/Treasurer
Kurt Markegard, Planning Director
Nancy Schmidt, Library Director (left @ 7:10 p.m.)
JW Hopper, Fire Chief
Travis Nagel, Assistant Fire Chief
Forrest Sanderson, Contract Planner (left @ 7:48 p.m.)

Public Input:

There were none.

General Items

1. Poppy Day Proclamation

The mayor will make this proclamation during next week's meeting.

Executive Review

2. Resolution No. R24-33: Resolution Of Annexation Of Property Legally Described As The Amended Plat Of Lots 1 & 2 Of Nutting Brothers Subdivision, Second Filing, Lot 1a, Adjacent To The City Of Laurel, As An Addition To The City Of Laurel, Yellowstone County, Montana, With Concurrent Approval Of Zoning Designation Upon Annexation Of The Property.

The Planning Director briefly reviewed the attached development agreement.

It was questioned whether the design for stormwater will be presented to the Public Works Committee meeting prior to voting on this. It was clarified that the District has made great strides in dealing with the stormwater.

Brian Alexander with Sanderson Stewart clarified that stormwater will meet the new Public Works Standards. They have designed the stormwater retention pond to withstand a 100-year storm and pump out discharge over the next 96 hours following the storm event.

Council thanked both City Staff and the District for coming together to find solutions. They noted that many of the concerns were addressed. Council asked if it was the Staff's recommendation to move forward. Staff gave their recommendations to move forward. Staff did note that it would have been nice to have a curb and gutter. However, no other curb and gutter is done in the area. Sidewalks have been included on the District property.

It was questioned if all of Alder would be overlayed with asphalt. It was clarified that is correct. There will also be a 4-way stop placed at E. Maryland and Alder.

It was questioned if the big dip would be fixed on E. Maryland. It was clarified that it is not part of this project.

Shane Swandal, Owner Representative, thanked the Public Works Department for the very productive meeting. They were able to address all the concerns. It will be his recommendation to the School Board to accept the development agreement.

Matt Torix, School Superintendent, stated the development agreement will go before the School Board on Monday prior to Council's vote on Tuesday.

3. Resolution No. R24-34: A Resolution Calling For An Election On Supplemental Funding For Public Library Services And Capital Needs For The City Of Laurel, Montana.

Nancy Schmidt, Library Director, briefly presented the attached memo. She made a clarification that there is an error. The Library currently receives 31 mills which is a current annual budget of \$321k. There would be an MOU between the City and Library Board stating that the Library would only receive the statutory 7 mills annually. The total ask for this mill levy is \$466k.

Council asked for clarification on whether there is an increase of \$125k annually to the Library budget. It was clarified that is correct. This mill levy will allow for increases in wages in the future as well.

It was questioned if the total budget would be 45 mills plus the 7 for a total of 52 mills.

It was questioned if the Library Board would set the budget for how many mills to ask for. It was clarified that the ask is to meet the needs of the Library moving forward. A lot of people come on Fridays. At one point, the book budget was \$32k annually. Currently, the Library is relying on donations to purchase new books.

It was questioned whether the Board would consider coming down 7 mills in their request.

It was questioned if the dollar amount per home was correct. It was further questioned if taxpayers are already paying for the 31 mills. It was clarified that the ask is 45 mills, which equates to \$60 per \$100k home value. The 31 mills are from the General Fund. This is a new mill levy.

It was questioned whether the City could afford to increase the Library's mills to 45 mills. It was clarified that the mills the Library receives each year are not guaranteed. Mayor Waggoner supports the Library. However, the City could get a Mayor who does not support the Library and cut the number of mills.

It was questioned if late fees could be charged. It was clarified that, at one-point, late fees were charged. However, it equated to approximately \$450 annually. Ultimately, it ended up hurting those who needed to use the Library the most.

It was questioned if there was an estimate on the income of the license plates. It was clarified that for the month of March, the Parks received \$460. The Library receives their payments directly and has received approximately \$60.

It was questioned where the 31 mills come from currently. It was clarified it comes from the County when people pay their taxes. This mill levy is their own funding and will raise taxes. The mills the Library no longer needs to use will be available for other departments to use.

It was noted when the EMS mill levy went forward that both Fire and Police stepped back and supported the Ambulance service. If Council votes to move this forward, what is the impact on the Fire and Police? It was clarified that both Fire and Police do plan to put together a safety mill levy for 2025. It may not be well received from the taxpayers to have three mill levies put before them in consecutive years. Council will need to assess what their ward members will want. Part of that analysis has to be what the objectives are for the City as a whole.

It was questioned if there is any room in the budget to increase the Library budget. It was clarified that that increase would come from the General Fund. The Clerk/Treasurer has not received what all the Department Head asks are for the upcoming budget so she is unable to speak to what the budget might look like. The City may have to make cuts this year. We will know more as we move through the budgeting process.

It was questioned if the mill could be extended past City limits. It was clarified that the City cannot impose mills on County residents. It was further questioned if there is a fee for County residents. It was clarified that for the past 28 years, there has not been a fee for County residents to utilize the Library. The Library is in a partnership with 36 different Libraries across the State. A district would take funding away from four other Libraries.

4. Resolution No. R24-35: A Resolution Approving An Amended And Restated Development Agreement By And Between GL Development, LLC, Laurel Depot LLLP, And The City Of Laurel.

The Planning Director briefly reviewed the attached Staff report. In the future, there will be a predevelopment inspection.

It was questioned whether there would be any changes to regulations. It was clarified that the predevelopment inspection will be added to the Schedule of Fees.

Bill Hansen, Architect of Record for this project, stated that the landscaping will be wrapping up soon.

5. Resolution - A Resolution Of The City Council Authorizing The Mayor To Sign Agreements With Joint Power Trust And Mutual Of Omaha For The Provision Of The Employee Health Insurance Benefit And Related Programs For City Of Laurel Employees And Dependents.

The Clerk/Treasurer stated this year the City decided to look for a new insurance broker. Our broker is Abigail Cool, and she went out to the market to see if the City could save money on its insurance premiums.

Abigail Cool, Hub International, stated this year, the City will save \$130k between medical premiums and group-paid benefits. Joint Powers Trust (JPT) is associated with EBMS in Billings. JPT is only for local governments and school districts. JPT came back with a 13% reduction in premiums. Pacific Source did come back and was almost able to match the 13% decrease. JPT did cap their rate increase at 8.5%. They would like to bundle short-term disability and long-term disability with Mutal of Omaha. Mutual of Omaha gave a three-year rate guarantee.

It was questioned if the plans were the same as what employees currently have. It was clarified that the plans were matched to a tee of what the employees currently have.

The employees voted to make the switch to JPT. 51 voted for JPT, and 8 voted to stay with Pacific Source. Moving to JPT will include an additional \$10k life insurance policy for employees. These changes will go into effect on 7.1.2024.

6. Resolution - A Resolution Of The City Council Authorizing The Mayor To Execute The Agreement For Provision Of Fire Services By And Between The City Of Laurel And Fire District 8.

The Fire Chief briefly reviewed all Fire District contracts before the Council. This year, there is a 10% increase. Costs are going up. If the City moves to a full-time Fire Department, there will be a large rate increase. 10% isn't enough to cover all the increased costs, but they had to start somewhere. One District did write back, asking for justification for the rate increase. After writing the justification letter, the District did sign their contract.

It was questioned if the City is billing for people who receive services but are outside of the Fire Districts. It was clarified that they have coordinated with Pintler Billing Service. The City has received \$11k in fees. MHP has been great at giving crash reports to them so they can submit billing for accidents on the interstate.

7. Resolution - A Resolution Of The City Council Authorizing The Mayor To Execute The Agreement For Provision Of Fire Services By And Between The City Of Laurel And Fire District 7.

Discussed during the previous agenda item.

8. Resolution - A Resolution Of The City Council Authorizing The Mayor To Execute The Agreement For Provision Of Fire Services By And Between The City Of Laurel And Laurel Airport Authority.

Discussed during the previous agenda item.

9. Ordinance - An Ordinance Repealing And Replacing Certain Sections Of Title 17 Of The Laurel Municipal Code Related To Zoning.

Forrest Sanderson, Peaks Planning and Consulting, briefly reviewed the attached Staff report.

It was questioned if properties are grandfathered in on any of the proposed changes. It was clarified that it becomes a nonconforming use. They can continue indefinitely until a significant change of use; then, they will need to comply with the new regulations.

It was questioned if the school will need to comply with the parking regulations. It was clarified that when they break ground will determine what rules apply.

Council Issues

10. Discussion - Fire Truck

JW Hopper, Fire Chief, briefly reviewed the attached handout. The recommendation is to go with US Fire, as they will be able to build a truck within 12 to 14 months. The others are 36 to 48 months out from being able to deliver the truck. One thing they included in the specs was a locked medical cabinet. If the City moves to a full-time Fire Department, they can run medical calls similar to what Billings does.

In the last surplus auction, the Department included two trucks—the ladder truck sold for approximately 25k and the brush truck for 2.5k. The City can look at auctioning off Engine 4, however they do not expect to receive a large bid for the truck. They can also look at donating the truck to a smaller department. Engine 4 barely passed its pump test the last time it was tested. Currently the City has a class rating for ISO of 5. This is a very good rating. The average time between the page and out the door is 4 minutes. If the ISO rating goes up, it will affect the homeowner's insurance rates.

The ask is for a new truck and fully stocked will be 1.4 million.

Clerk/Treasurer Stecker stated this has to go out to bid.

It was stated the price would increase the longer the City waits.

It was questioned which Engine they were asking to replace. It was clarified that they would like to replace Engine 4. Engine 2 needs to be replaced as well; however, right now, it is working well. It has historically not always been the most reliable.

It was questioned whether the City has to take the lowest bid. It was clarified that the City has to take the lowest responsible bidder.

It was questioned if the City could include a timeframe for when the truck would need to be delivered. It was clarified that the timeframe of delivery is part of the decision-making.

Emergency Services Committee has recommended that this come before Council. It was clarified if Council would like to move forward the City would need to go out for bids.

The ISO rating can have a significant impact on a homeowner's premium. The difference between a 4 and a 5 could result in a cost of \$500 per year.

It was questioned if this was budgeted for. It was clarified that this had not been budgeted for.

The Fire Chief noted that he is also increasing his PPE costs. There has been an increase in cancer among firefighters. His goal is that everyone will have two sets of bunker gear. That way, after structure fires, their gear can be washed.

It was questioned if the City had the money for this purchase. The Clerk/Treasurer clarified that she had not been included in discussions up until last week. She noted that one of the payment options presented to her required the first payment in May of 2024. It was clarified that it is an Escrow option and would be due now, otherwise, the other options are once the truck comes in.

There is a risk in not addressing this issue.

Other Items

There will be a public hearing next week for Ordinance No. O24-01.

Attendance at Upcoming Council Meeting

All Council Members present plan to attend next week's meeting.

Announcements

Arbor Day was rescheduled to May 21st at noon in Kiwanis Park.

The council workshop adjourned at 8:17 p.m.

Respectfully submitted,

A handwritten signature in black ink that reads "Brittney Harakal". The signature is written in a cursive style with a large, looped initial "B".

Brittney Harakal
Administrative Assistant

NOTE: This meeting is open to the public. This meeting is for information and discussion of the Council for the listed workshop agenda items.

Return to:
Laurel Public Schools
410 Colorado Ave.
Laurel, Montana 59044

DEVELOPMENT AGREEMENT

THIS DEVELOPMENT AGREEMENT is made this ____ day of _____, 2024, by and between the **LAUREL PUBLIC SCHOOLS**, with a mailing address at 410 Colorado Avenue, Laurel, Montana 59044, (the "Owner"), and the **CITY OF LAUREL, MONTANA**, a municipality within the State of Montana, with a mailing address at 115 West 1st Street, Laurel, Montana, 59044 (the "City").

WHEREAS, Owner is the owner of certain real property situated in Yellowstone County, Montana, more particularly described as follows (the "Owner Tract"):

Amended Plat of Lots 1 & 2 of Nutting Brothers Subdivision, Second Filing, Lot 1A; according to the official plat on file and of record in the office of the Clerk and Recorder of said County, hereinafter referred to as "Owner Tract" as well as all adjacent public right-of-way.

WHEREAS, Owner has submitted to the City a Petition for Annexation to the City for Owner Tract; and

WHEREAS, Owner desires to annex Owner Tract to the City; and

WHEREAS, the City has approved the Petition for Annexation by Resolution No. _____ for the Owner Tract contingent on the conditions of approval contained in the Annexation Agreement and this Development Agreement, as well as any other matters required by the City in order to ensure proper annexation.

NOW THEREFORE, in consideration of the mutual promises and covenants contained herein, the parties do hereby agree as follows:

NOW THEREFORE, in consideration of the mutual promises and covenants contained herein, the parties do hereby agree as follows:

1. Development Summary. The Development consists of the development and construction of the Owner Tract to be utilized for a public school, consisting of associated site improvements, including parking, sidewalks, infrastructure, landscaping, water and sanitary sewer system extensions, signage, and roadway access.

2. Roads and Access. Upon completion of the in-street utility and utility connections, Owner will install a two-inch asphalt overlay, which shall be installed across the entire width of asphalt along E. 8th Street and Alder Ave. The overlay shall be from, to, and including the intersection of E. 8th Street and Alder Ave., north along Alder Ave., from, to, and including the intersection with E. Maryland Lane. The overlay on E. 8th Street shall be from, to, and including the intersection of E. 8th Street and Alder Ave. east along E. 8th Street from, to, and including the property Owner's eastern property line. The two-inch asphalt overlay must be reviewed and approved by the City of Laurel and must meet all requirements of the newly-adopted City of Laurel Standards for Public Works Improvements.
3. Signage. Owner shall install stop signs on the east and west ends of E. Maryland Lane at its intersection with Alder Ave. (making that intersection a 4-way stop), at any exit from Owner's property to adjacent streets, and on E. 8th Street where E. 8th Street intersects with Alder Ave. Owner shall also install "No Parking" signs along Alder Ave. on Owner's side of the street from E. 8th Street to E. Maryland Lane. The number and distance between signs shall be governed by the latest edition of the Manual of Uniform Traffic Control Devices (MUTCD).
4. Water System Extension. The Owner Tract shall be served by the City Water System. Owner intends to tie into the existing water mains in Alder Ave. and extend them north to the intersection of Alder Ave. and E. Maryland Lane. This extension goes beyond the boundaries of the property being annexed. The new waterline shall be an 8-inch water main. Owner shall provide a Water System Design Report. The installation shall meet the requirements of MTDEQ Circular 1. The Water System Design must be reviewed and approved by the City of Laurel and must meet all requirements of the newly-adopted City of Laurel Standards for Public Works Improvements.
5. Sanitary Sewer System Extension. The Owner Tract shall be served by the City Sanitary Sewer System. No improvements other than service connection are contemplated herein. Owner shall provide a Sanitary Sewer System Design Report that estimates the amount of wastewater production from the school and clearly demonstrates that adjacent sewer mains have capacity to accept those additional flows. The Sanitary Sewer System Design must be reviewed and approved by the City of Laurel and must meet all requirements of the newly-adopted City of Laurel Standards for Public Works Improvements.
6. Storm Sewer Collection System. Owner shall provide a Storm Sewer Collection System Design Report that demonstrates the available capacities

of the downstream Storm Sewer Collection System. The Storm Sewer System Design must be reviewed and approved by the City of Laurel and must meet all requirements of the newly-adopted City of Laurel Standards for Public Works Improvements.

7. Other Public Improvements. For any other improvements not specifically listed in this Agreement, the City shall rely on the Owner's Waiver filed concurrently herewith, to ensure the installation of any or all remaining public improvements. The Waiver, waiving the right to protest the creation of one or more Special Improvement Districts, by this reference is expressly incorporated herein and part hereof. All of the Owner's Property can be included in a Special Improvements District for improvements identified in both this Agreement and the parties' Annexation Agreement regardless of location of individual properties in relation to the improvements. All other public improvements must be reviewed and approved by the City of Laurel and must meet all requirements of the newly-adopted City of Laurel Standards for Public Works Improvements.
8. Zoning. The Owner Tract shall be zoned Public (P).
9. Compliance. Nothing herein shall be deemed to exempt the Owner Tract from compliance with any current or future City laws, rules, regulations, or policies that are applicable to the development, redevelopment, or use of the subject property.
10. Runs with Land. The covenants, agreements, and all statements in this Agreement and in the adopted Waiver shall run with the land and shall be binding on the heirs, personal representatives, successors, and assigns of the respective parties.
11. Attorney's Fees. In the event it becomes necessary for either party to this Agreement to retain an attorney to enforce any of the terms or conditions of this Agreement or to give any notice required herein, then the prevailing party or the party giving notice shall be entitled to reasonable attorney fees and costs, including those fees and costs of in-house counsel.
12. Amendments and Modifications. Any amendments or modifications of this Agreement shall be made in writing and executed in the same manner as this original document and shall after execution become a part of this Agreement.

IN WITNESS WHEREOF, the parties have executed this Agreement as of the day and year first above written.

CITY OF LAUREL, MONTANA ("CITY")

By: _____
Mayor

Attest: _____
City Clerk

STATE OF MONTANA)
 :SS
County of Yellowstone)

On this _____ day of _____, 20____, before me, a Notary Public for the State of Montana, personally appeared _____, and _____, known to me to be the Mayor and City Clerk, respectively, of the City of Laurel, Montana, whose names are subscribed to the foregoing instrument in such capacity and acknowledged to me that they executed the same on behalf of the City of Laurel, Montana.

Notary Public in and for the State of Montana
Printed name: _____
Residing at: _____
My commission expires: _____

Approved as to Form:

City Attorney

LAUREL PUBLIC SCHOOLS ("OWNER")

By: _____

Title: _____

STATE OF MONTANA)
 : ss.
County of Yellowstone)

On this ____ day of _____, 2024, before me, a Notary Public in and for the State of Montana, personally appeared _____, known to me to be the person who signed the foregoing instrument as _____ of Laurel Public Schools, and who acknowledged to me that said the Owner executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Notarial Seal the day and year hereinabove written.

Notary Public in and for the State of Montana
Printed name: _____
Residing at: _____
My commission expires: _____

Matt Wheeler

From: Ryan Welsh <ryan.welsh@kljeng.com>
Sent: Thursday, April 25, 2024 9:02 AM
To: Matt Wheeler; Civil Attorney
Cc: City Mayor; Kurt Markegard; Kelly Strecker
Subject: RE: public works school

All,

Please review the items below for confirmation that we've covered all items that were discussed in yesterday's meeting. Let me know if I have missed anything or if you feel something else needs to be added.

Items to include in the development agreement.

- Street Improvements –
 - Upon completion of the in-street utility and utility connections, Owner will have a 2' asphalt overlay laid across the entire width of asphalt along E. 8th Street and Alder Ave. Overlay shall be from and include the intersection of E. 8th Street and Alder Ave. north along Alder Ave. to and include the intersection with E. Maryland Lane. Overlay on E. 8th Street shall be from the intersection of E. 8th Street and Alder Ave. east along E. 8th Street to the property Owner eastern property line. 2" asphalt overlay shall meet the requirements of the new City of Laurel Standards for Public Works Improvements.
 - Owner shall install stop signs on the east and west legs of E. Maryland Lane at its intersection with Alder Ave. (making that intersection a 4-way stop), at any exit from Owners property to adjacent streets, and on E. 8th Street where it intersects Alder Ave.
 - Owner shall install "No Parking" signs along Alder Ave. on Owners side of the street from E. 8th Street to E. Maryland Lane. Number and distance between signs shall be governed by the latest edition of the Manual of Uniform Traffic Control Devices (MUTCD).
- Water System Extension –
 - Developer intends to tie into the existing water mains in Alder Ave. and extend it north to the intersection of Alder Ave. and E. Maryland Lane. This extension goes beyond the boundaries of the property being annexed. The new waterline is proposed to be an 8-inch water main. It is recommended that the developer provide a water system design report and that installation shall meet the requirements of MTDEQ Circular 1 and the new City of Laurel Standards for Public Works Improvements.
- Sanitary Sewer System Extension –
 - No improvements other than service connection.
 - Developer should provide a design report that estimates the amount of waste water production from the school and show that adjacent sewer mains have capacity to accept those additional flows.
- Storm Sewer Collection System –
 - Developer should provide a storm water analysis that shows the available capacities of the downstream stormwater system.
 - Developer to design storm water improvements that meet the requirements of the new City of Laurel Standards for Public Works Improvements.

Ryan Welsh
KLJ - Billings
Direct 406-247-2923

L
CITY HALL
115 W. 1ST ST.
PUB. WORKS: 628-4796
WATER OFC.: 628-7431
COURT: 628-1964
FAX 628-2241

City Of Laurel

P.O. Box 10
Laurel, Montana 59044



Library Director

To: City Council
From: Nancy Schmidt, Library Director
Date: May 3, 2024
Subject: Library Mill Levy

The Library Board is requesting the City Council approve a Mill Levy to fund the Library. The Board is requesting 45 Mills. Currently, the Library is funded by the General Fund. By approving a separate and distinct Mill Levy, the City would be able to use existing Mills for other purposes within the General Fund. Currently the Library receives 45 Mills from the General Fund. This equates to a \$466,310 annual budget.

The additional Mills from the Mill Levy would allow for the following:

- Move one part time employee to full time. The additional approximate cost would be \$33,706.27, including approximate benefits, at 2024 wages. The Library anticipates that 2025 wages would create an additional cost of approximately \$20,000. By increasing the total FTE's for the Library, it would allow for coverage for sick and vacation leave without having senior staff working split shifts or overage on shifts.
- Open the Library on Fridays. The additional cost would be \$19,523.56 at FY 2025 wages. The increase of cost comes from the two employees who would be scheduled to cover the 8 hour shift, in addition to the Library Director, and a slight increase in utility usage. Patrons have repeatedly asked why the Library is not open on Fridays. Staff have seen patrons stop by to visit the Library to use computers, return & check out items, or make copies -- but they are unable to because the Library is closed.
- Purchase books/media materials. The current budget for books/media is \$10,000. The Library has been using the \$6,000 received from the Foundation to also purchase books/media. The Foundation funds should instead be used for programming and other needs.
- The Library has 24 computer work stations. The current computer/printer budget is \$400 annually. The Library presently only has refurbished computers that are at least five years old. The Library would like to begin to replace these computers and establish a replacement schedule for its computer equipment. The computers are used daily and see a lot of traffic. If the Library is unable to replace the current computers, it would like to begin rebuilding

existing current computers to increase the capacity/memory, so as to better meet the needs of the community.

- The Library is asking in its Mill Levy request that the Mills create an amount of Four Hundred Sixty-Six Thousand Three Hundred Ten Dollars and No Cents (\$466,310.00) or 45 Mills. The additional Mills would allow for a buffer to cover increased costs.
- The Library Board would agree to entering into an MOU with the City stating that if this Mill Levy is passed, the Library would no longer receive additional funding from the General Fund, except to the extent required by Montana law.
- Any unused funds will be moved into a Library Depreciation Reserve Fund Authorized. This fund will be used to cover any unexpected costs the Library may incur.

CITY HALL
115 W. 1ST ST.
MAYOR OFC.: 628-8456
PUB. WORKS: 628-4796
WATER OFC.: 628-7431
COURT: 628-1964
FAX 628-2241

City Of Laurel

P.O. Box 10
Laurel, Montana 59044



Office of the Planning Director

May 2, 2024

Memorandum for Laurel Depot Development

The building department was notified a few weeks ago that two of the four buildings that were constructed were not situated in accordance with the development agreement. It is my understanding that the error could have happened due to the land dedication for street right of ways resulting in new property boundaries. The new boundaries were not considered when the developer's surveyors staked out the location for the buildings. I have investigated the locations of the buildings and do not believe they should be removed due to this error.

It is my intent to develop procedures for the verification of property boundaries prior to placement of any foundations going forward. It has been past practice that the first inspection of any buildings is when they are ready to pour concrete for the foundations. I am proposing a new inspection service that would require property owners to verify their property boundaries and the necessary building setbacks prior to any work proceeding as per their site plans that they are required to submit. This new process will require the hiring of a surveyor if property pins cannot be located. I will be purchasing metal detectors for the building department that can be helpful in locating surveyed property pins. If no pins can be found, we will require the property owners to have the property pins determined by a registered land surveyor.

Kurt Markegard
Planning Director, Building Official

ZONING COMMISSION RECOMMENDATION ZC-24-01
2024 Laurel Zoning Regulations
March 4, 2024

BACKGROUND:

The City of Laurel is an incorporated City within the State of Montana with powers established under the Constitution of Montana XI.4. The power and processes for the City to establish zoning regulations are found in §76-2-301 et. seq. M.C.A.

Starting in early 2023 the City Council charged its Zoning Commission to update the existing zoning regulations to reflect changes to the City Growth Policy and the community in general.

After extensive discussion and consideration, the Zoning Commission drafted revised Zoning Regulations but there were a number of technical issues in need of resolution. To resolve these issues the City applied for and was awarded a Planning Grant to hire a consultant to help the Zoning Commission refine the document resolve the technical issues and prepare the draft regulations and a new zoning map that would implement the Growth Policy. The Zoning Commission will conduct a public hearing on the draft Zoning Regulations and Zoning Map, which is scheduled for Wednesday, December 20, 2023. Following the hearing it is expected that the Zoning Commission will recommend the Zoning Regulations and Map as the prevailing zoning for the City of Laurel.

The draft regulations incorporated the changes made during the 2023 Legislative session, several of which were not viewed favorably by the Zoning Commission but were incorporated as they were passed during the session. On December 29, 2023, Judge Salvagni of the 18th Judicial District (Gallatin County) issued a preliminary injunction on the implementation of Senate Bill 323 and 528 with a provision that communities could unless they were otherwise inclined to implement the changes they could be repealed. SB 245 and 382 were part of the litigation but were not set aside by the injunction but are still subject to potential repeal.

At the January 17, 2024, Zoning Commission meeting, the Zoning Commission recommended that those section of the draft Regulations that were included but had been enjoined, be removed from the document. It was also noted that the revised Growth Policy was nearing completion and a decision on the Northwestern Energy site and zoning authority was approaching. Given this, it was decided to slow down the Zoning adoption until some additional answers were available.

LEGAL DESCRIPTION:

The City of Laurel, Montana, an incorporated City located in Yellowstone County, Montana.

EXISTING CONDITION:

Currently, all property within the City of Laurel is covered by the Laurel Zoning Regulations which date back to the late 1970's with minor revisions and updates over roughly 40 years. The Zoning Regulations were updated and recodified in 1996 via Ordinance 96-5. The zoning code is lacking in several aspects related to compliance with the Growth Policy, statutory changes, and administrative processes. When coupled with the fact that the conditions have radically changed over the past 30 to 40 years, it is time to consider new zoning regulations that are easier to administer, clearly define roles and responsibilities and address new/expanded uses in the city. While State Law speaks to implementation of the Growth Policy via Subdivision Regulations, the city recognizes that the major tool necessary to implement large sections of the Growth Policy is a zoning ordinance.

As discussed in the following sections and in the answers to the Lowe Test, the City Council will see the sections of the Growth Policy that are slated for implementation via the proposed Zoning Regulations and Zoning Map for the City of Laurel.

PROCESS:

- The Zoning Commission with the assistance of City Staff and a Consultant has prepared draft zoning regulations and a zoning map.
- The Zoning Commission conducts a duly noticed Public Hearing on the proposed regulations and map on December 20, 2023.
- The Zoning Commission following the Public Hearing may make changes to both the regulations and map to reflect the comments received on the draft.
- Those changes coupled with findings of fact to support the adoption of the draft regulations and map will need to be submitted to the City Council for consideration.
- The City Council will conduct a duly noticed Public Hearing on the Zoning Commission recommendation and an Ordinance of the City Council on First Reading.
- Should the recommendation or the recommendation with amendments pass on First Reading, another public hearing and Second Reading and adoption will be scheduled.
- If passed on Second Reading, the regulations and map would become effective 30-days post Second Reading.

RECOMMENDED ZONES:

The Zoning Commission is recommending the creation of the following zones:

- R-7500 - Residential 7500 District.
 - The residential-7500 zone is intended to provide an area for low to medium urban-density, single-family residential environment on lots that are served by a public sewer and sewer system.
- R-6000 - Residential 6000 District.

- The residential-6000 zone is intended to promote an area for medium urban-density, duplex residential environment on lots that are usually served by a public water and sewer system.
- RLMF - Residential Light Multifamily District.
 - The residential light multifamily zone is intended to provide a suitable residential environment for medium to high density (up to a fourplex) residential dwellings. The area is usually served by a public water and sewer system.
- RMF – Residential Multifamily District.
 - The residential multifamily zone is intended to provide a suitable residential environment for high density residential dwellings; and to establish, where possible, a buffer between residential and commercial zones.
- RMH - Residential Manufactured Home District
 - The residential manufactured home zone is intended to provide a suitable residential environment for individual manufactured homes, manufactured home parks, and competitive accessory uses.
- RP – Residential Professional District
 - The residential professional zone is intended to permit professional, and semiprofessional uses compatible with surrounding residential development.
- NC – Neighborhood Commercial District.
 - The neighborhood commercial zone is intended to accommodate shopping facilities consisting of convenience retail and personal service establishments which secure their principal trade by supplying the daily needs of the population residing within a one-half mile radius of such neighborhood facilities. The location and quantity of land within the NC zone should be a business island not more than four acres in size and that no business frontage should extend more than six hundred feet along any street.
- CBD – Central Business District.
 - The central business district classification is intended to primarily accommodate stores, hotels, governmental and cultural centers, and service establishments at the central focal point of the city's transportation system.
- CC – Community Commercial District.
 - The community commercial classification is primarily to accommodate community retail, service and office facilities offering a greater variety than would normally be found in a neighborhood or convenience retail development. Facilities within the classification will generally serve an area within a one and one-half mile radius and is commensurate with the purchasing power and needs of the present and potential population within

the trade area. It is intended that these business facilities be provided in business corridors or islands rather than a strip development along arterials.

- HC – Highway Commercial District.
 - The purpose of the highway commercial district is to provide areas for commercial and service enterprises which are intended primarily to serve the needs of the tourist, traveler, recreationist, or the general traveling public. Areas designated as highway commercial should be located in the vicinity of, and accessible from freeway interchanges, intersections in limited access highways, or adjacent to primary or secondary highways. The manner in which the services and commercial activities are offered should be carefully planned in order to minimize the hazard to the safety of the surrounding community and those who use such services; and to prevent long strips of commercially zoned property.

- LI - Light Industrial District.
 - A light industrial classification is intended primarily to accommodate a variety of business warehouse and light industrial uses related to wholesale plus other business and light industries not compatible with other commercial zones, but which need not be restricted in industrial or general commercial zones, and to provide locations directly accessible to arterial and other transportation systems where they can conveniently serve the business and industrial center of the city and surrounding area.

- HI – Heavy Industrial District.
 - A district intended to accommodate manufacturing, processing, fabrication, and assembly of materials and products. Areas designated as heavy industry should have access to two or more major transportation routes, and such sites should have adjacent space for parking and loading facilities.

- P - Public District.
 - The public zone is intended to reserve land exclusively for public and semipublic uses in order to preserve and provide adequate land for a variety of community facilities which serve the public health, safety and general welfare.

- PUD Planned Unit Development.
 - The planned unit development zone is intended to provide a district in which the use of the land is for the development of residential and commercial purposes, as an integrated unit.

RATIONAL BASIS OF ZONING:

In the State of Montana, all jurisdictions proposing to zone or rezone property or to adopt or revise their zoning regulations must issue findings of fact on a twelve-point test that constitute the rational nexus/legal basis for the adoption of a zoning district, zoning

regulations, or changes to zoning or zoning regulations. This rational nexus is called the “Lowe Test”.

I. Is the zoning in accordance with the growth policy;

- The proposed zoning regulations and map are based on the Growth Policy. A simple look at the Growth Policy and future land use map will verify that the zone assignments with few exceptions will verify that the proposed zoning assignments are consistent with the text and mapping components of the Growth Policy.
- Several strategies from the Growth Policy pertaining to the commercial and Business development are met with the new zoning. Most notably, the regulations are designed to provide easier conversion, reuse and restoration of existing structures; The sign code has not been modified in terms of advertising up to the permitted maximum limits but the entryway overlay, multiple categories and tables that existed in previous regulations have been eliminated. Opportunities for internally illuminated signs and signs incorporating neon elements are contemplated in some commercial districts; and the regulations encourage infill development and expanded use opportunities.
- Several strategies from the Growth Policy are implemented in the administrative sections and individual District Standards. The items include but are not limited to walkability, pedestrian sidewalks are required for all new development and major renovations; concerns centered on nuisances and noise, the regulations impose limits on noise and potentially offensive activity in the standards of general applicability; and the regulations address concerns about the pace and quality of development that the citizens of Laurel expect to see as we move forward.
- Several residential neighborhood goals and strategies are implemented. Diversity of Neighborhoods, historic to modern; accommodation of a diverse population both age and economic condition; Creation of zones where manufactured homes and manufactured home parks are contemplated; expansion of non-motorized routes and access to the core of the community. and Residential districts protected from excessive noise and commercial impacts the conversion of structures to new uses is encouraged.
- The concept of residential Planned Unit Developments with increased density, lot coverage and modified use regimens is contemplated in all Zoning Districts.

Finding: The recommended zoning regulations and zoning map is in accordance with the Growth Policy and other adopted rules and regulations of the City of Laurel.

II. Is the zoning designed to lessen congestion in the streets;

- The regulations encourage compact walkable development in most every district as well as expand opportunities for new uses beyond the 1996 code. By following this line of logic residents would be able to walk or bicycle to essential services which would by default reduce the vehicular traffic on the streets.

- The regulations encourage compact urban development as such the need for vehicular travel is limited.
- The expanded use opportunities in many of the commercial and residential districts will encourage compatible higher density residential development near the city core. Implementation of these regulations will further reduce the dependency or need for vehicular travel.
- The zoning regulations in conjunction with the development standards adopted with the Subdivision Regulations will provide for flow through development, logical extension of the gridded infrastructure network, and encourage pedestrian- friendly growth.

Finding: The recommended zone will lessen congestion in the streets by ensuring orderly growth and development of the property that is consistent with the proposed zoning and other regulations adopted by the City of Laurel.

III. Is the zoning designed to secure safety from fire, panic, and other dangers;

- The recommended zoning regulations and zoning map will provide for consistency in development along with provision of police and fire protection.
- The recommended zoning regulations and zoning map will incorporate enforcement of development standards, setbacks and compliance with the other development standards adopted by the City of Laurel.
- The recommended zoning regulations and zoning map have restrictions on lot coverage, grading and development on steep slopes and other areas that are potentially hazardous.

Finding: The recommended zoning will provide safety to residents and visitors to the city from fire, panic and other dangers.

IV. Is the zoning designed to promote health and the general welfare;

- The recommended zoning imposes setbacks, height limits and building restrictions.
- The recommended zoning groups together like and consistent uses within existing neighborhoods.
- The recommended regulations restrict development in hazardous areas.

Finding: The grouping together of like and consistent uses promotes the health and general welfare of all citizens of the City of Laurel. Further, the recommended zoning is substantially consistent with the land use in our existing neighborhoods.

V. Is the zoning designed to provide adequate light and air;

- The recommended zoning imposes building setbacks, height limits, limits on the number of buildings on a single parcel, and reasonable area limits on new development.
- The regulations implement the concept that the City of Laurel was developed historically on a gridded network. The draft zoning requires the perpetuation of this pattern. In doing so as the City plans for growth, the spacing and layout of new development will facilitate provision of light and air to new development.

Finding: The recommended zoning will insure the provision of adequate light and air to residents of the City through various development limitations.

VI. Is the zoning designed to prevent the overcrowding of land;

- The zoning regulations impose minimum lot size, use regulations and other limitations on development.
- While the minimum lot sizes proposed with these regulations remains substantially consistent with the historic pattern of development within the City of Laurel.
 - The major change is in the clarification of additional permitted residential uses in the R-7500 and commercial districts mandated in the 2023 legislative session. These proposed new standards are easy to interpret and by default administer.
 - The range of allowable lot sizes provides for ease of transition from rural to urban development. These standards encourage annexation to the City and development at a scale that justifies the capital extension of water and sewer while spreading the costs out on an equitable basis.

Finding: The existing standards of the recommended zoning will prevent the overcrowding of land.

VII. Is the zoning designed to avoid undue concentration of population;

- The recommended zoning is a holistic approach to land use regulation for the entirety of the City of Laurel and is not focused on any single special interest.
- The recommended zoning establishes areas that are suitable for exclusive residential, commercial, and mixed uses.
- The recommended regulations create four residential zoning districts that provide a continuum of residential densities and manage development to create land use compatibility.
- The recommended zoning imposes minimum lot sizes, maximum number of residences on a single parcel and setback standards.

Finding: The existing standards of the recommended zoning will prevent the undue concentration of population by encouraging the most appropriate use and residential density at any given location within the jurisdiction.

VIII. Is the zoning designed to facilitate the adequate provision of transportation, water, sewerage, schools, parks and other public requirements;

- The recommended zoning establishes minimum standards for the provision of infrastructure such as roads, sidewalks, water sewer, wire utilities and storm water management.
- The recommended zoning encourages compact urban scale development and groups together similar uses that will not detract from the quality of life expected in Laurel while providing the economies of scale to extend water, sewer, streets, parks, quality schools and other public requirements.

Finding: The standards of the recommended zoning will insure the adequate provision of transportation, water, sewerage, school, parks, and other public requirements.

IX. Does the zoning give reasonable consideration to the character of the district and its peculiar suitability for particular uses;

- The recommended zoning creates four residential districts that provide a continuum of residential densities and uses that are compatible with existing neighborhoods and ensures proper transitions between districts. The recommended zoning also creates three commercial zoning districts that are designed to provide for various land uses that are compatible with existing uses and neighborhood characteristics.
- The recommended zones impose setbacks, height limits and building restrictions. These restrictions insure compatible development in the residential, commercial, and industrial zones.
- The recommended zoning creates a new mixed-use district that is specifically intended to ease the transition between residential and commercial uses.
- The recommended zoning groups together like and consistent uses and is consistent with the existing zoning in the neighborhoods.

- The regulations create eight zoning districts each with the opportunity to create overlays in the form of a Planned Unit Development that represent new opportunities for development and redevelopment within the City of Laurel.

Finding: The recommended zoning gives due consideration to the character of the existing neighborhoods, within the city as well as suitability for the particular uses.

X. Does the zoning give reasonable consideration to the peculiar suitability of the property for its particular uses;

- The recommended zoning groups together like and consistent uses and is consistent with the existing zoning in the neighborhood.
- The recommended zoning creates four residential districts that provide a continuum of residential densities and uses that are compatible with existing neighborhoods and ensures proper transitions between districts. The recommended zoning also creates three commercial and one industrial zoning districts that are designed to provide for various land uses that are compatible with existing uses and neighborhood characteristics.
- The recommended zoning creates a new mixed-use district that is specifically intended to ease the transition between residential and commercial uses.
- The recommended zoning implements all of the significant outstanding sections of the Growth Policy. While the Growth Policy ties directly to and values the City's history and existing use of property and structures, the tools used to encourage development of property needed to be designed to reflect this change in direction. The proposed zoning regulations and map reflect this change.

Finding: The recommended zone gives reasonable consideration to the peculiar suitability of the property for its particular uses.

XI. Will the zoning conserve the value of buildings;

- The recommended zone groups together like and consistent uses and is consistent with the existing zoning in the various neighborhoods of the City of Laurel.
- The proposed zoning reinforces that commercial buildings will continue to have commercial potential.
- The proposed zoning reinforces that residential buildings will continue to be used for equal or greater potential residential purposes.
- The proposed zoning recognizes that buildings that are located in transitional areas have options either to remain as they are or to be converted to uses that reflect the highest and best use, in the owner's opinion, for the subject property.

Finding: The recommended zoning will conserve or in many cases enhance the value of buildings.

XII. Will the zoning encourage the most appropriate use of land throughout the municipality?

- The proposed zoning and zoning map provide for use districts that group like and compatible uses.
- The proposed zoning and zoning map provide for transitional areas between uses that may be incompatible.
- The recommended zoning creates a new mixed-use district that is specifically intended to ease the transition between residential and commercial uses.
- The recommended zoning is consistent with the type of development that exists and is occurring in the neighborhoods within the City of Laurel.
- The proposed zoning recognizes that buildings that are located in transitional areas have options either to remain as they are or to be converted to uses that reflect the highest and best use, in the owner's opinion, for the subject property.

Finding: The recommended zoning will encourage the most appropriate use of land throughout the municipality.

RECOMMENDATION:

The Zoning Commission find that the proposed 2024 Zoning Regulations and Proposed Official Zoning Map reflects the Growth Policy; that the rational nexus for the adoption of zoning has been met or exceeded by the proposed regulations; and that the citizens of Laurel have participated in the creation of the proposed Zoning Regulations and Zoning Map. Further, that the Zoning Commission recommends that the City Council adopt the 2024 Laurel Zoning Regulations and Official Zoning Map.



LAUREL FIRE DEPARTMENT

215 WEST 1ST STREET • LAUREL, MT • 59044

OFFICE 406.628.4911 • FAX 406.628.2185

To: City Council
From: JW Hopper, Fire Chief
Date: May 7, 2024
Subject: New Fire Truck

LAUREL FIRE DEPARTMENT ENGINE DETAILS

| Vehicle | Year | Age |
|-------------------------|------|-----|
| Engine 1 - Spartan | 1996 | 28 |
| Engine 2 - Freightliner | 2008 | 16 |
| Engine 4 - Freightliner | 1992 | 32 |

IMPORTANT:

1. The National Fire Protection Association recommends that for a Volunteer Fire Department, Trucks that are 15 years old be put in reserve status and then retired out of fleet completely after 25 years. As per these recommendations, the Department has ZERO trucks in compliance with NFPA recommendations, since we are keeping all three in active service status
 - a. With at least two trucks that need to be retired from the fleet completely, we are left with only ONE reserve status truck for dealing with a fire emergency
 - b. If we are to be in complete compliance with NFPA recommendations, we can only answer ONE call at a time. If that one truck fails (while being in service and onsite – and this has happened), the potential for loss of life and property can be unthinkable. We must have at least ONE additional truck on standby/backup
2. On average, we spend close to \$7,500 per year on maintenance of these three trucks (this does not include maintenance and repairs done in-house on an ongoing basis to keep these trucks alive), two of which need to be retired immediately, and one needs to be put in reserve status as per NFPA, for the next 9 years, after which it also will need to be retired
3. Adding the new truck will likely aid us in maintaining (if not improving) our ISO rating. With our current status, as the equipment at our disposal deteriorates, so may our capability to provide adequate and effective fire protection to our community. Since 50% of the ISO rating depends upon our capabilities, training and equipment, with outdated trucks, our ISO rating may drop, potentially resulting in:
 - a. Increasing the home insurance premiums, AND
 - b. Negatively impacting property values

NEW FIRE TRUCK - EXTERNAL FINANCING OPTIONS

| | | |
|-----------------------------|-------------------------------|---|
| Original Loan Amount | \$1,400,000 | Includes truck & accessories |
| Build Time | 14 months from the order date | |

| | Interest Rate | |
|------|---------------------|----------------------------|
| | Elite Finance Group | Community Lending Partners |
| Term | 10 years | 6.21% |
| | 12 years | 6.39% |
| | 15 years | 6.43% |
| | | 4.87% |
| | | 4.92% |
| | | 5.00% |

| | Annual Payments | |
|----------------------|---------------------|----------------------------|
| | Elite Finance Group | Community Lending Partners |
| Funded Amount | \$1,323,834 | \$1,400,000 |

| Annual Payments | | |
|-----------------|---------------------|----------------------------|
| | Elite Finance Group | Community Lending Partners |
| | 10 years | \$181,710.48 |
| 12 years | \$161,413.17 | \$158,164.52 |
| 15 years | \$140,252.76 | \$135,628.69 |

Note: For Elite Finance Group, the principal amount is reduced by the Escrow Savings of \$76,165.80. Therefore, the funded amount is \$1,323,834.20 instead of \$1.4M. For Community Lending Partners payments, the funded amount is \$1.4M and the escrow savings are used to reduce the interest rate itself.

| Cost of Debt (Total Interest Paid for the Term) | Elite Finance Group | | Community Lending Partners | |
|---|---------------------|--------------|----------------------------|--------------|
| | 10 years | 12 years | 15 years | |
| | \$493,270.60 | \$613,123.84 | \$779,957.20 | \$411,420.00 |
| | | | | \$497,974.24 |
| | | | | \$634,430.35 |

Fire Apparatus & Equipment Future Cost Calculator

The Cost of Waiting

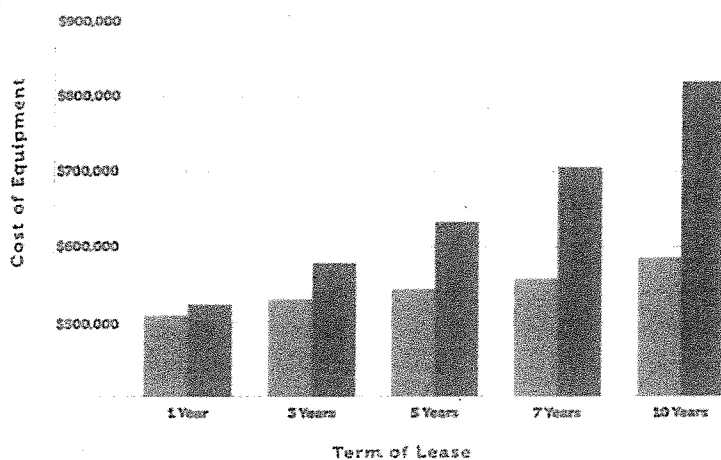
Current Equipment Price \$ 1,058,243

Industry Average Inflation Rate * 7.00%

| 1 Year | 2 Years | 3 Years | 4 Years | 5 Years |
|-------------|-------------|-------------|-------------|-------------|
| \$1,132,320 | \$1,211,582 | \$1,296,393 | \$1,387,141 | \$1,484,241 |

Cost of Delayed Purchase

■ Total Financing Cost Today ■ Future Cost of Equipment with Delayed Purchase



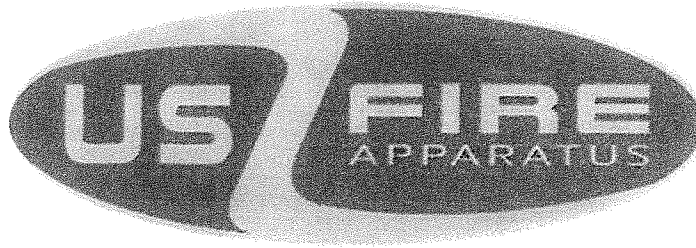
The graph illustrates the cost effectiveness of financing your purchase today, versus waiting even one year to buy your equipment or apparatus. Entering into a finance purchase plan today with fixed, manageable payments can provide a cheaper overall cost for acquiring equipment or apparatus.

*Base equipment price used for example is \$500,000. An average price increase of 5% per year has been used for "Future Equipment Cost" calculations. The prices and lease payments shown above are for estimation purposes only.



Your municipal financing experts.

Division of Community First National Bank
www.cfpusa.net info@cfpusa.net 888.777.7850



This agreement made on Day, Month Date, 2024, is between the Laurel Volunteer Fire Department with an address of PO Box 1191 215 W. 1st, Laurel, MT hereinafter referred to as "Purchaser," and US Fire Apparatus with an address of 27995 James Chapel Road N., Holden, LA 70744 hereinafter referred to as "Seller."

PURCHASE OF FIRE APPARATUS

Seller agrees to sell, and Purchaser agrees to purchase one US Fire Apparatus Custom Pumper for a total purchase price of \$1,058,243.00.

PAYMENT TERMS

The purchase price shall be paid in full upon final delivery of the Fire Apparatus at Seller's manufacturing facility. Payment may be made by cashier's check, wire transfer, or other agreed-upon method.

DELIVERY AND TITLE

The Seller shall be responsible for transport of the Fire Apparatus to the Laurel Volunteer Fire Department in Laurel, MT. Seller shall be responsible for any mechanical issues arising during transport. Upon receipt of final payment, title to the Fire Apparatus shall pass to Purchaser.

Prior to acceptance, Purchaser shall have the right to inspect the Fire Apparatus and shall receive a demonstration and training on the operation and handling of the Fire Apparatus.

WARRANTY

Seller warrants that the Fire Apparatus is free from defect, conforms with and will perform in accordance with its specifications for the periods of time as listed in the specifications from the date of delivery. Should the Fire Apparatus fail to meet these specifications, Seller shall be responsible for repair or replacement of the Fire Apparatus, at Seller's expense.

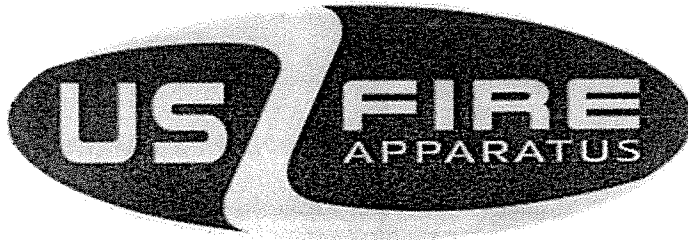
GOVERNING LAW

This contract shall be governed by and construed in accordance with the laws of the state of Louisiana.

ENTIRE AGREEMENT

This contract constitutes the entire agreement between the Parties and supersedes any and all prior negotiations, understandings, and agreements between them.

VALIDITY



This Contract shall remain valid for 10 days from the date of its execution. This agreement does not become binding until it is agreed to and accepted in writing and is properly signed by an officer of USFA.

IN WITNESS WHEREOF, the Parties have executed this Contract as of the date first written above.

SELLER:

US Fire Apparatus

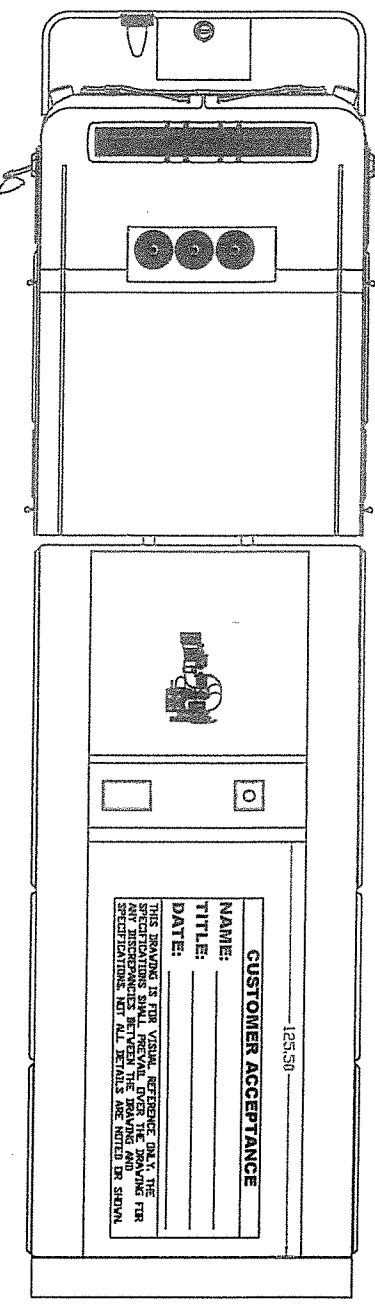
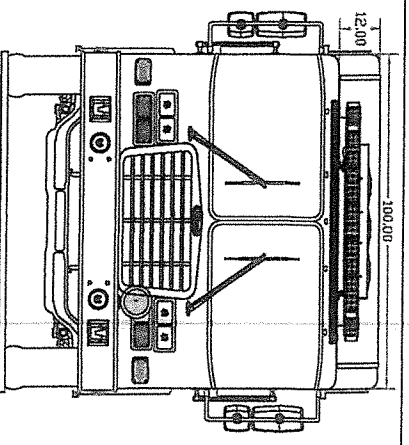
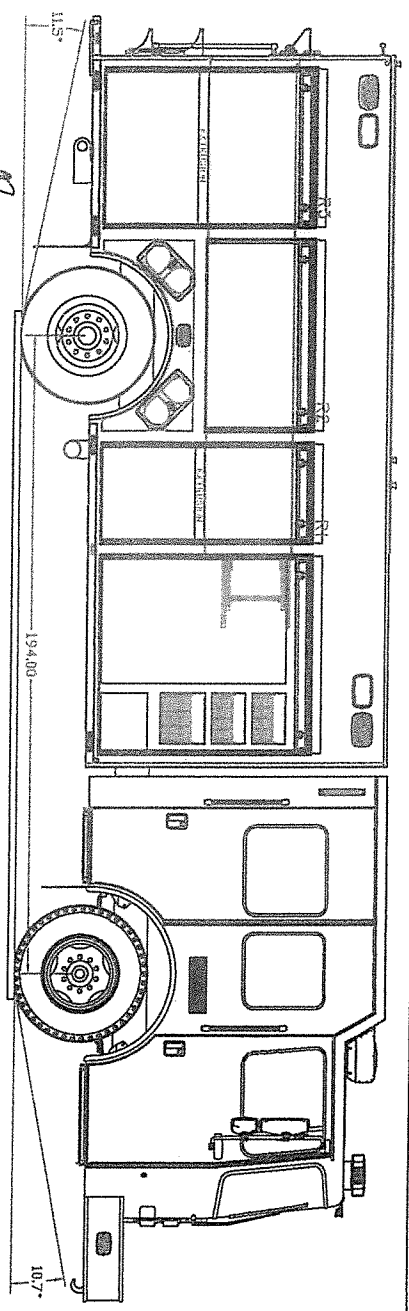
Chris Ferrara
President/ CEO

PURCHASER:

Laurel Volunteer Fire Department (Laurel, MT)

Signature of authorized representative

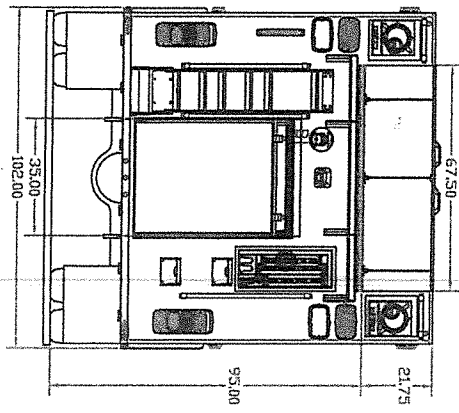
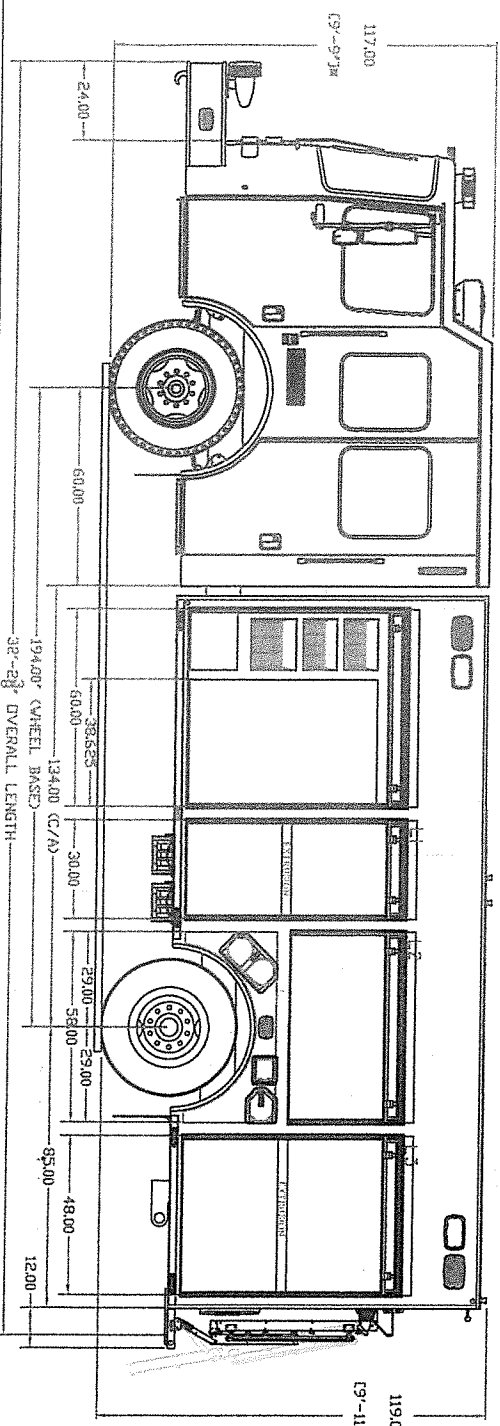
Printed name of authorized representative



| | INTERIOR | OPENING |
|----|-----------------------|------------------|
| L1 | 30W X 70.25H X 15/28D | 28.00W X 60.875H |
| L2 | 58W X 38H X 15D | 56.00W X 28.625H |
| L3 | 48W X 70.25H X 15/28D | 46.00W X 60.875H |
| R1 | 30W X 70.25H X 15/28D | 28.00W X 60.875H |
| R2 | 58W X 38H X 15D | 56.00W X 28.625H |
| R3 | 48W X 70.25H X 15/28D | 46.00W X 60.875H |
| B1 | 35W X 50.50H X 28D | 33.00W X 41.875H |



LAUREL, MT
 REFERENCE DRAWING
 1,500 GPM HALF OMAX-XS PUMP
 1,000 GALLON WATER TANK
 30 GALLON WATER TANK



*HEIGHT COULD VARY +/- Z" BASED ON LOADING OF VEHICLE



| | |
|--|-------------------------------------|
| CUSTOMER: Laurel (MT) | QUOTATION DATE: 04/11/2024 |
| SALES REPRESENTATIVE: JD Ferrante | QUOTATION NUMBER: 10433-0002 |
| APPARATUS DESCRIPTION: Custom Rescue Pumper | PUMP CAPACITY: 1500 GPM |
| BODY CONFIGURATION: 3/16" Extruded Aluminum | PUMP MANUF.: Hale QMAX-XS |
| CHASSIS TYPE: 1871W Custom Chassis (NEW ORDER CHASSIS) | TANK CAPACITY: 1000 Water / 30 Foam |

- 00- == US Fire OEM 1871 L9 Engines Cab & Chassis - 7.003 01/26/24 ==
- 15- *****CHASSIS MODIFICATIONS*****
- 18- *****NFPA SAFETY SIGNS*****
- 20- *****PUMP ENCLOSURES / PUMPS / COMPONENTS / ACCESSORIES*****
- 30- *****WATER TANKS / COMPONENTS / ACCESSORIES *****
- 50- *****PUMPER / TANKER BODIES*****
- 70- ***** ELECTRICAL / COMPONENTS / ACCESSORIES *****
- 80- *****INTERIOR / EXTERIOR FINISH / LETTERING / STRIPING*****
- 90- *****LOOSE EQUIPMENT*****
- 98- *****WARRANTIES / MANUALS*****
- 99- *****ADMINISTRATION*****

| Part No | Description | Qty |
|--|---|-----|
| == US Fire OEM 1871 L9 Engines Cab & Chassis - 7.003 01/26/24 == | | 1 |
| DataBook v7.003 Release: 01.26.24 (Expires 05.10.24) | | |
| 00-J0-2000 | Custom Firetruck Chassis | 1 |
| FRAME ASSEMBLY | | |
| 01-H0-1600 | Double Frame Rails | 1 |
| 01-I0-1200 | Frame Rail Finish - Galvanized, Double Rails | 1 |
| 01-I0-1500 | Fastener Finish - Zinc | 1 |
| 01-J0-4000 | Cab Main Frame Crossmember | 1 |
| FRONT AXLE | | |
| 07-A0-1120 | Front Axle 21,000# - Hendrickson STEERTEC NXT - CORE | 1 |
| 07-AC-4500 | 45° Cramp Angle | 1 |
| 07-B0-0100 | Oil Seals - Front Axle - Factory Premium | 1 |
| FRONT AXLE BRAKES | | |
| 07-C0-0210 | Disc Brakes - Front Axle - EX-225 | 1 |
| FRONT AXLE SUSPENSION OPTIONS | | |
| 07-R0-2020 | Front Suspension 21,000# - Hendrickson STEERTEC NXT | 1 |
| 07-RS-0105 | Shock Absorbers - Front Axle | 1 |
| STEERING SYSTEMS | | |
| 07-Y0-0040 | Steering - 24,000# - Sheppard Dual Gear | 1 |
| FRONT TIRES | | |
| 10-GF-0410 | Goodyear 425/65R22.5 (L) Front - Armor Max MSA (Mud/Snow) - 22,800# - 68mph | 1 |
| 10-W0-0100 | Aluminum Wheels - Front | 1 |
| 10-WP-0230 | Alcoa Dura-Black Finish - Front Rims | 2 |
| 10-X0-0110 | Satin Black 'Baby Moon' Caps & Nutcovers (Front Wheels) | 2 |
| REAR AXLE | | |
| 08-AS-1080 | Single Rear Axle 27,000# - Meritor RS-25-160 - CORE | 1 |
| 08-AV-F160 | 160 Series Differential - Single Axle | 1 |
| 08-AV-S010 | Axle Lube - Non-Synthetic | 1 |
| 08-B0-0100 | Oil Seals - Rear Axle - Factory Premium | 1 |
| REAR AXLE BRAKES | | |
| 08-C0-0100 | S-Cam Brakes - Single Rear Axle | 1 |

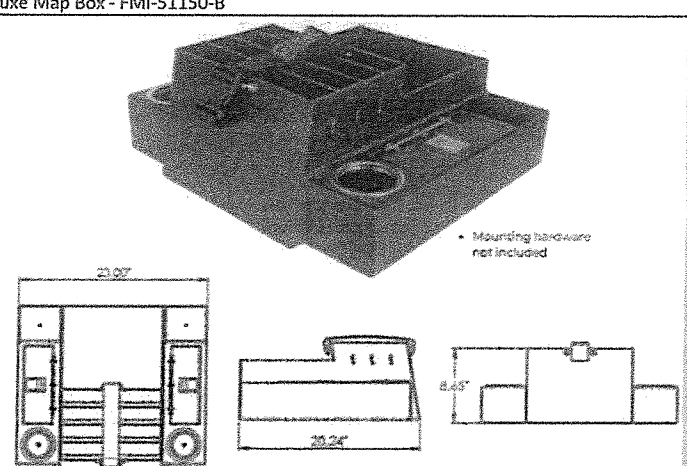
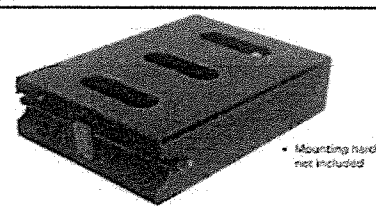
| VEHICLE TOP SPEED | | |
|--|--|---|
| 08-PA-0300 | Vehicle Top Speed 65 - 68 MPH | 1 |
| 08-PA-1110 | NFPA Vehicle Top Speed Statement (Revised 1/2/2024) | 1 |
| REAR SINGLE AXLE SUSPENSION OPTIONS | | |
| 08-RO-0025 | Single Axle Suspension - 27,000# - Reyco Granning Spring - CORE | 1 |
| REAR TIRES | | |
| 10-GR-0120 | Goodyear 12R22.5 (H) Rear - Armor Max MSA (Mud/Snow) - 27,120# - 68mph | 1 |
| 10-W0-3000 | Inner and Outer Rear - 5A - Aluminum Wheels | 1 |
| 10-WP-0240 | Alcoa Dura-Black Finish - Rear Rim | 2 |
| 10-X0-0310 | Satin Black Finish "Lincoln Hat" Hub & Nut Covers (Rear Wheels) | 2 |
| 10-GW-0122 | Tire Pressure Monitoring Device - 2 Axles (Front & Rear) - LED Alert | 1 |
| 08-RS-0500 | Axle & Chassis Laser Alignment | 1 |
| AIR SYSTEM - BASE SYSTEM | | |
| 09-A0-10WF | Air System - Color Coded Nylon Air Lines - Single Axle - CORE | 1 |
| 09-A0-1204 | Bendix AD-9 Air Dryer | 1 |
| 09-DO-0102 | Air Tank Drains - Manual | 1 |
| 09-F0-0201 | Air Auto Eject - Kussmaul w/Weatherproof Cover | 1 |
| 09-F0-0212 | Cab Exterior Mounted - Behind the Driver's Door | 1 |
| 09-F0-0370 | Black Air Auto-Eject Cover | 1 |
| ABS BRAKE SYSTEMS | | |
| 09-LO-0400 | ABS Brake System - 4 Wheel - Meritor/Wabco | 1 |
| 09-LB-1110 | ABS Mud & Snow Selector Switch | 1 |
| 09-RS-1010 | Stability Enhancement System - 4 Wheel - Meritor/Wabco | 1 |
| TIRE CHAINS | | |
| 08-TO-0110 | Automatic Tire Chains - On-Spot Brand | 1 |
| ENGINE | | |
| 13-EU-6425 | Cummins L9 - 450 HP - 1400 Radiator | 1 |
| 13-A0-1400 | Engine Cooling System Radiator - 1400 Sq. In. | 1 |
| 13-A0-1450 | Engine Coolant Recovery System | 1 |
| 13-A0-1500 | Charge Air Cooler - Engine Air Intake | 1 |
| 13-A0-1800 | Long Life Coolant | 1 |
| 13-A0-1900 | Premium Cooling System Hoses | 1 |
| 13-A0-1960 | Constant Torque Cooling System Clamps - Entire System | 1 |
| 13-A0-1974 | Heater Shut Off Valves | 1 |
| 13-EV-0010 | EPA24 Clean Idle Label | 1 |
| 13-IO-0010 | Engine Air Intake Filter, Fleetguard | 1 |
| 13-LO-0002 | Engine Oil - First Fill | 1 |
| 13-LD-5100 | Engine Magnetic Drain Plug | 1 |
| 13-NO-0210 | Engine Brake - Cummins L9 Engine | 1 |
| 13-PO-2300 | Fast (High) Idle - Manual Select - Auto Low Voltage | 1 |
| 13-VO-0120 | Auxiliary Engine Cooler - Sendure | 1 |
| 13-VO-0210 | Spark Arrestor - Air Intake | 1 |
| 13-VO-3020 | Fan Clutch - Fully Variable Fan Drive | 1 |
| 13-Y0-0621 | Compliant Exhaust Treatment System - L9 >360 | 1 |
| 13-Y0-1611 | Cummins Aftertreatment System - L9 - >360 | 1 |
| 13-Y0-3010 | Stainless Tailpipe - Curb Side - 90° Exit - Straight Cut End | 1 |
| 13-Y0-6010 | Exhaust Tailpipe Diffuser | 1 |
| 13-Z0-0015 | DEF System - 5 Gallon Reservoir - ISL | 1 |
| TRANSMISSION | | |
| 14-C0-3040 | Allison 3000EVS Automatic Transmission | 1 |
| 14-C0-5100 | Transmission Magnetic Drain Plug | 1 |
| 14-DO-0100 | Transmission Fluid - Allison TES-389 | 1 |
| 14-ER-0100 | Five Speed Allison Programming - 3000EVS | 1 |
| 14-ET-0100 | Automatic Neutral Programming - 2500 EVS / 3000EVS / 4000EVS | 1 |
| 14-HF-0100 | Drivertrain Fluid Monitoring System | 1 |
| DRIVELINES | | |
| 14-W0-1100 | 1760 Series Drivelines | 1 |

| | | |
|--|---|---|
| FUEL TANK | | |
| 25-A0-2000 | Fuel Tank - Steel - 50 Gallon - Stainless Straps | 1 |
| 25-V0-0000 | Reinforced Fuel Lines | 1 |
| 25-V0-1102 | Fuel Shut Off Valve | 1 |
| 25-F0-0200 | Fuel Filter - Cummins - Factory | 1 |
| ALTERNATOR | | |
| 45-D0-2360 | 360 Amp Alternator - Niehoff | 1 |
| CAB MODEL | | |
| 40-C0-9230 | 3/16" Alum - MFDxl - 1871 - 12" Pulled Fwd Raised Roof - FULL LENGTH DOORS | 1 |
| 14-ES-0200 | Transmission Selector - Push Button Type | 1 |
| 14-ES-0400 | Transmission Fluid Check - Transmission Selector | 1 |
| 40-DH-5201 | Exterior Door Handles - Black Finish | 1 |
| 40-DH-6015 | Cab Entry Steps, Full Length Doors, 100" W cabs - CORE | 1 |
| 40-DH-8020 | Cab Entry Steps - Black Finish | 1 |
| 40-DH-7010 | DEF Fill, Left Rear Crew Step Area | 1 |
| AC/HEAT/DEFROST | | |
| 40-U0-0195 | Overhead Heater / Defroster - 12" RR/100"W - CORE | 1 |
| 40-U0-0310 | Defroster Fans - Overhead Mounted, Inboard | 1 |
| 40-U0-0470 | 45K BTU AC / 33.4K BTU Heat - Ceiling Mounted Evaporator - Single Condenser | 1 |
| 40-U0-0620 | Cab Climate Control Insulation Package | 1 |
| NOISE SUPPRESSION | | |
| 45-E0-0100 | EMI/RFI Noise Suppression | 1 |
| BATTERY MOUNTING TRAYS AND COVERS | | |
| 45-NS-0802 | Stainless Steel Battery Tray | 1 |
| 45-NU-0710 | Battery Jumper Studs | 1 |
| BATTERY SYSTEMS | | |
| 45-NU-035F | Single Battery System - 4 Group 31 - CORE | 1 |
| 45-NU-0410 | Battery Bus Bars | 1 |
| 45-NU-0462 | Battery On Indicator Light - External View | 1 |
| 45-T0-0665 | 40 Amp - Kussmaul - Chief Series W/ 12 Vdc - Comp Option - Auto Charge 4012 | 1 |
| 09-X0-0900 | Kussmaul - Auto Air 091-9-12 Vdc Compressor | 1 |
| 45-T0-6130 | Kussmaul Remote Control Panel - Kussmaul Charge | 1 |
| 45-T0-6210 | Charge Indicator Panel on Driver's Seat Box | 1 |
| 45-Z0-1193 | Kussmaul 20 Amp - 120V- Super Auto Eject - Custom Cabs CORE | 1 |
| 45-Z0-1335 | Standard Cover, Kussmaul 091-55-XX | 1 |
| 45-Z0-1382 | Black Auto-Eject Cover | 1 |
| 45-Z0-1505 | Electrical Inlet Location- Cab Exterior Mounted - Behind the Driver's Door | 1 |
| CAB INTERIOR | | |
| 45-P5-0140 | Cab Interior Appointments and Options - MFDxl CORE -- 1871 & Spectr II | 1 |
| 40-DE-0300 | Engine Enclosure - Vinyl Covering - Acoustiblok | 1 |
| 40-DE-1030 | Painted Interior Door Panels | 1 |
| 40-DE-2010 | Interior Padding - Standard Ceiling | 1 |
| 40-DE-2020 | Interior Padding - Standard Rear Wall | 1 |
| 40-DE-2060 | Floor Material - Acoustical Wear Mat | 1 |
| 40-DE-3050 | Door Reflective Material, SecuriTrim - Custom Chassis, 4 Door | 1 |
| CAB STEERING WHEEL AND COLUMN | | |
| 40-DE-7030 | Steering Wheel and Column - 4Front - 100" - CORE | 1 |
| CAB INTERIOR GRAB HANDLES | | |
| 40-DH-0260 | Grab Hndls - Inside - Driver's, Officer's A-Post and Both Crew Doors | 1 |
| OFFICER'S RADIO BOX | | |
| 40-DH-1220 | Officer's Radio Compartment (Beneath Seat) With Door | 1 |
| OPEN COMPARTMENT LIGHT OPTIONS | | |
| 40-LC-0114 | Open Cmpmnt Lght-Red Flashing-Whelen OS LED w/ blk flange | 1 |

| CAB INTERIOR LIGHTING | | |
|-----------------------------------|---|---|
| 40-LD-0505 | Six (6) Whelen CRECCS 6" White/Red LED Dome Lights | 1 |
| 40-LD-3010 | Cab Dome Lighting Activation | 1 |
| 40-LD-4010 | Step Nose LED Lighting - WHITE/RED | 1 |
| 40-LD-5184 | Cab Door Controlled | 1 |
| DASH AND SWITCH HOUSING | | |
| 40-UO-6050 | Driver's Overhead 12-Place (6 over 6) Switch Panel - CORE | 1 |
| 40-UO-6060 | Rugged Driver and Officer Dash Enclosure - CORE | 1 |
| 40-UO-7010 | Officer Side Open Storage Slots in Dash - CORE | 1 |
| INSTRUMENTATION | | |
| 40-VO-0105 | Instrumentation (J1939) and Controls - CORE | 1 |
| 40-VO-0120 | Audible Turn Signal Reminder | 1 |
| 40-VO-0122 | Audible Lights On Reminder | 1 |
| 40-VO-0124 | Audible Parking Brake Reminder | 1 |
| 40-VO-0130 | Dual Trip Odometers | 1 |
| 40-VO-0148 | Odometer Activated While in Pump Mode | 1 |
| 40-VO-0150 | Low Fuel Warning Light and Alarm | 1 |
| 40-VO-0152 | Transmission Temperature Warning Light and Alarm | 1 |
| 40-VO-0154 | Low Voltage Warning Light | 1 |
| 40-VO-0156 | Air Cleaner Restriction Indicator | 1 |
| 40-VO-0160 | Low Coolant Warning | 1 |
| SWITCHES AND SWITCH PANELS | | |
| 40-XO-1120 | Forward Engine Enclosure Console - Manual Switches - CORE | 1 |
| 40-VO-0502 | Parking Brake Control - Driver's Dash | 1 |
| 40-XO-1200 | Engine Enclosure Storage Tray with Recessed Cupholders | 1 |
| 40-XO-1415 | USB-A/USB-C Charging Ports - Driver's and Officer's Area | 1 |
| 40-ZO-0014 | Battery Switched Power | 1 |
| 40-XO-1422 | Outside Temperature Monitor | 1 |
| ELECTRICAL SYSTEM | | |
| 45-NS-0350 | Apparatus Base Digital Electrical System - Class1 Multiplex - CORE | 1 |
| 45-NS-0210 | Information Display Module - Driver's Position | 1 |
| 40-XO-7000 | PUMP SHIFT | 1 |
| 40-XO-7050 | Pump Shift, w/Label, Indicator Lgts, Mtd Cab/PPnl | 1 |
| BACK-UP CAMERA | | |
| 40-YC-3815 | Back-Up Camera System, ASA Audiovox, Custom Chassis | 1 |
| 40-YC-3820 | Observation Monitor - 7" LCD - Waterproof, Custom Chassis | 1 |
| 40-YC-4005 | Monitor Mounting - Overhead Position - Driver, Custom Chassis | 1 |
| 40-YC-3840 | Camera - Color - Rear - High Performance - White Housing | 1 |
| 40-YC-4100 | Operation - Battery Powered | 1 |
| 40-YC-4205 | Camera Mounting - Body Rear - Shipped Loose | 1 |
| CAB 12VDC POWER | | |
| 40-ZO-0003 | 12 Vdc Power Selections For Accessories, Radios and Chargers - CORE | 1 |
| 40-ZO-0005 | (2) 12 Vdc Power Point Sockets w/ Rubber Plugs - Driver/Officer | 1 |
| 40-ZO-0012 | Battery Direct Power | 1 |
| 40-ZO-0210 | 12Vdc Power Circuits - Radio and/or Accessories | 1 |
| 40-ZO-0300 | Location - Power Panel | 1 |
| 40-ZO-0810 | (1) NMO Mount - Radio Antenna Wiring - Officer's Side Forward | 1 |
| 40-ZO-0857 | Location - Officer's Seat Area | 1 |
| 40-ZO-0900 | Antenex NMO Black Weatherproof Cap | 1 |
| 40-ZO-0830 | (1) NMO Mount - Radio Antenna Wiring - Driver's Side Forward | 1 |
| 40-ZO-0857 | Location - Officer's Seat Area | 1 |
| 40-ZO-0900 | Antenex NMO Black Weatherproof Cap | 1 |
| CAB 120 VAC POWER | | |
| 40-ZO-0415 | (2) Cab 120-Volt ac Circuits - CORE | 1 |
| 40-ZO-0515 | Location - (2) Engine Enclosure Top - CORE | 1 |
| 40-ZO-0650 | Electrical Outlet, Conf #5, Duplex, 120V/20A Straight Blade | 2 |
| 40-ZO-0670 | Power Source - Shoreline Connection | 2 |
| CAB EXTERIOR | | |
| 40-DO-0900 | Cab Crashworthiness Test | 1 |

| | | |
|---------------------------------------|---|---|
| CAB EXTERIOR GRAB HANDLES | | |
| 40-DH-2100 | Exterior Grab Handles - 24" Long | 1 |
| 40-DH-4110 | Warning Light / Turn Signal, Cab Handrails | 1 |
| 40-DH-5101 | Exterior Grab Handles - Black Finish | 1 |
| CAB GRILLES AND HEADLIGHT TRIM | | |
| 40-DZ-0220 | US Fire Stylized Stainless Front Grille - 1871 | 1 |
| 40-DZ-3002 | Cab Grille - Black Finish | 1 |
| ICC LIGHTING | | |
| 55-02-1002 | Custom Cab - Cab - LED - ICC Lighting - Whelen DS Series | 1 |
| 55-02-1122 | Custom Cab - Cab - LED - ICC Lighting - Black Finish | 1 |
| 55-03-0165 | Headlights - HIVIZ LED - Daytime Running Halo Ring - Custom Cab | 1 |
| 55-03-0170 | Headlights - Upper Position | 1 |
| 55-03-0185 | Headlights - Custom Cab - Black Finish | 1 |
| 55-04-0755 | Frnt Turn Signal - Whelen 600 LED - Outside Hdltts - Custom Cab | 1 |
| 55-04-0855 | Lens Color - Clear | 1 |
| 55-04-0910 | Light Housing, Black Finish | 1 |
| CHASSIS WARNING LIGHTS | | |
| 57-04-3350 | Upper Zone A, Lightbar, Frnt, Whelen - Freedom F4NV 72" LED Full Popul. 16 mods | 1 |
| 57-20-3318 | (4) Cab, Lower Front Warning - Zone A: Whelen - M6 - Linear Super LED, QUADS | 1 |
| 57-03-2000 | Red LEDs with Clear Lenses | 1 |
| 57-20-3455 | Cab, Lwr Light, Bezel - Black Finish | 1 |
| 57-30-3314 | (2) Bumper, Lower Side Warning - Zone B & D, Whelen - M6 - Linear LED | 1 |
| 57-03-2000 | Red LEDs with Clear Lenses | 1 |
| 57-30-4010 | Bumper Side Warning Lights, Bezel - Black Finish | 1 |
| CAB MUD FLAPS | | |
| 40-G0-1010 | Cab Front Mud flaps | 1 |
| CAB GROUND LIGHTS | | |
| 40-G0-1300 | Cab Ground Lights - LED Strip Lights | 1 |
| MIRRORS | | |
| 40-J0-2900 | Mekra Lang - Heated & Remote Control Mirrors w/Convex, Black Finish | 1 |
| CAB WINDOWS | | |
| 40-K0-1000 | Cab Side Windows - Fixed Glass | 1 |
| 40-K0-2020 | Electric Windows - Four Doors - Driver Additional Controls | 1 |
| 40-KA-4022 | Dark Gray-Lite Door Glass - Cab Side, Crew Doors and Rear (when spec'd) | 1 |
| ENGINE MAINTENANCE LIGHT | | |
| 40-LE-1002 | Engine Maintenance Lights LED - Custom | 1 |
| FENDERS | | |
| 40-NO-0805 | Cab Stainless Fender | 1 |
| 40-NO-0807 | Cab Fender - Black Finish | 1 |
| CAB EXTERIOR REAR WALL | | |
| 40-NO-1401 | Exterior Rear Wall - Diamond Plate Overlay - Black Line-X Finish | 1 |
| CAB EXTERIOR ROOF | | |
| 40-NO-1615 | Raised Roof - Diamond Plate Overlay - Black Line-X Finish | 1 |
| CAB TILT | | |
| 40-PO-0100 | Cab Tilt - Electric Pump | 1 |
| 40-PO-0400 | Cab Tilt Road Interlock | 1 |
| BACK-UP ALARM | | |
| 55-06-0480 | Back Up Alarm | 1 |

| CAB AND CHASSIS PAINT | | |
|--|---|---|
| 40-Q0-1201 | Black Interior Paint, Black Spatter ABS Panels | 1 |
| 40-Q0-2010 | Headliner - Black | 1 |
| 40-Q0-2110 | Rear Wall Covering - Black | 1 |
| 40-Q0-2210 | Floor Covering - Black | 1 |
| 40-Q0-2302 | Door Panels - Black | 1 |
| Two-Tone Cab Exterior Paint | | |
| Upper: US Fire Apparatus Black #1, FLNA 40421 | | |
| 40-Q0-3020 | Lower: US Fire Apparatus Red #1, FLNA 31979 | 1 |
| 40-Q0-3080 | Cab Exterior Paint - PPG - Urethane | 1 |
| 40-Q0-5030 | Two Tone Cab Breakline Strip - Simulated Gold | 1 |
| SEATING | | |
| 40-RS-0005 | Cab Seat Positions Template View | 1 |
| 40-RS-0120 | 6 Passenger - Driver, Officer, (x2) Rear Facing OB, (x2) Fwd Facing Centr | 1 |
| Seat Position 1 - Driver's Seat | | |
| 40-RW-1010 | Seat Position 1 - Driver's Seat | 1 |
| 40-S0-1350 | Highback - Air Ride Suspension - HO Bostrom - Sierra 500 - ABTS | 1 |
| Seat Position 2 - Officer's Seat | | |
| 40-RW-1020 | Seat Position 2 - Officer's Seat | 1 |
| 40-S0-4310 | Highback - Air Ride Suspension - HO Bostrom - Sierra 500 - ABTS | 1 |
| Seat Position 3 - Rear Facing Left Outboard - Behind Driver | | |
| 40-RW-1030 | Seat Position 3 - Rear Facing Left Outboard - Behind Driver | 1 |
| 40-S0-5810 | SCBA Fixed Bottom Cush - Fixed Mtg - HO Bostrom - Tanker 500 - ABTS | 1 |
| 40-S0-9220 | HO Bostrom SecurAll SCBA Locking Bracket | 1 |
| Seat Position 6 - Rear Facing Rt Outboard - Behind Officer | | |
| 40-RW-1060 | Seat Position 6 - Rear Facing Rt Outboard - Behind Officer | 1 |
| 40-S0-5810 | SCBA Fixed Bottom Cush - Fixed Mtg - HO Bostrom - Tanker 500 - ABTS | 1 |
| 40-S0-9220 | HO Bostrom SecurAll SCBA Locking Bracket | 1 |
| Seat Position 8 - Fwd Facing - Left Inside | | |
| 40-RW-1080 | Seat Position 8 - Fwd Facing - Left Inside | 1 |
| 40-S0-5810 | SCBA Fixed Bottom Cush - Fixed Mtg - HO Bostrom - Tanker 500 - ABTS | 1 |
| 40-S0-9220 | HO Bostrom SecurAll SCBA Locking Bracket | 1 |
| Seat Position 9 - Fwd Facing - Right Inside | | |
| 40-RW-1090 | Seat Position 9 - Fwd Facing - Right Inside | 1 |
| 40-S0-5810 | SCBA Fixed Bottom Cush - Fixed Mtg - HO Bostrom - Tanker 500 - ABTS | 1 |
| 40-S0-9220 | HO Bostrom SecurAll SCBA Locking Bracket | 1 |
| 40-S0-6100 | Forward Facing Seat Riser | 1 |
| 40-S0-7420 | Gray / Black Durawear Seat Covering | 1 |
| 40-S0-8002 | Seat Belt Warning Labels | 1 |
| 40-S0-8990 | Dealer or Fire Department Provided Helmet Restraints | 6 |
| 40-S0-8997 | Traffic Vests, Ship Loose to FD | 6 |
| 40-S0-7225 | US Fire Apparatus Seat Logos | 1 |
| 40-S0-8015 | Vehicle Data Recorder - CORE | 1 |
| 40-S0-8016 | Seat Belt Warning System Monitor Panel | 1 |
| FRONT BUMPER / AUDIBLE WARNING | | |
| 42-A4-0200 | Front Bumper - Painted Formed - Black | 1 |
| 01-V3-0024 | Front Bumper Ext - 24" - Chassis | 1 |
| 01-W0-0700 | Chromed Tow Hooks Beneath Bumper | 1 |
| 01-Z0-8052 | Front Gravelshield - Chassis | 1 |
| 01-Z0-8060 | Black Line-X Finish Gravelshield | 1 |
| 01-Z0-8504 | Center Hosewell - Large - 24" Ext. - Chassis | 1 |
| 01-Z0-8770 | Hosewell Cover, Center - Hinged Diamondplate | 1 |
| 01-Z0-8795 | Hosewell Cover - Black Line-X Finish | 1 |
| 01-Z0-8828 | LED Lighting, Hosewell - Chassis | 1 |
| 01-Z0-8802 | Open Grate Mat, Hosewell | 1 |
| 01-Z0-80C5 | Line-X Coated Bumper Top Trim Guard | 1 |
| 40-G0-1420 | (1) Bumper Ground Light - 36" LED Strip Light | 1 |
| 40-H0-1113 | Dual Stutter Tone Air Horns - Bumper Recessed O/B Frame - Chassis | 1 |
| 40-H0-1121 | Air Horns - Black Finish | 1 |
| 40-H0-1201 | Air Horn Circuit Powered - Battery and Ignition | 1 |
| 40-H0-1210 | Air Horn Control - Lanyard | 1 |
| 40-H0-1302 | Air/Elec Horn-Strg Wheel Cntrl | 1 |
| 40-H0-2070 | Electronic Siren-Whelen-Model 295SLSA1 (x2) Outboard Mtd Spkrs | 1 |
| 40-H0-5412 | Siren Head Mounting - Center Console Mounted | 1 |
| 40-HA-2060 | Siren Speakers - Two (2) - Cast Products - Outboard Mtd/Tapered Section | 1 |

| | | |
|---|---|---|
| 40-HA-2072 | Siren Speaker - Black Finish | 1 |
| 40-H0-3324 | Q2B Mechanical Siren - Gravelshield Mtd - Driver's Side - Chassis | 1 |
| 40-H0-3362 | Q2B Mechanical Siren (Pedestal) - Black Chrome Finish | 1 |
| 40-H0-5110 | Siren Circuit Powered - Master Warning Light Switch | 1 |
| 40-H0-5230 | Siren Brake Switch - Driver and Officer Control | 1 |
| 40-H0-5350 | Siren Control - Driver & Officer Foot Switches | 1 |
| 40-Q0-1082 | Black Gloss Enamel Painted Bumper | 1 |
| CAB FRONT/SIDE LED SCENE LIGHTING | | |
| 58-10-8008 | (1) Front Cab Brow LED Scene Light | 1 |
| 58-10-8600 | Hi Output LED Forward Brow Light, HiViz 72" | 1 |
| 58-10-8902 | Black Brow Light Housing | 1 |
| 58-18-0304 | Switching, Three Switches, 12V, Driver Cab, HiViz 72" Brow | 1 |
| *****CHASSIS MODIFICATIONS***** | | |
| WINDOW TINT | | |
| 15-A2-0255 | Window Tint - Windshield and Driver/Officer Door Note: 70% Ceramic tint shall be provided on the windshield, driver and officer's windows | 1 |
| 15-A2-0255 | Window Tint - Fixed Windows and Crew Doors Note: 5% Ceramic tint shall be provided on the cab fixed windows and crew door windows | 1 |
| CAB CONSOLE | | |
| 15-A2-0270 | FMI: Deluxe Map Box - FMI-51150-B | 1 |
|  | | |
| 15-A2-0280 | FMI: 3 Cell Glove Box - FMI-51510-B Note: Mount at final inspection | 1 |
|  | | |
| EMS COMPARTMENT / ACCESSORIES | | |
| 15-A2-0290 | Compartment - Center Rear Facing EMS The EMS compartment shall be located immediately to the rear of the engine enclosure, match the height and width. The top of the EMS compartment shall include a 2" lip with four-(4) cup holders. The EMS compartment shall be spray-lined with Black Line-X materials | 1 |
| 15-A2-0295 | Door - Center Rear Facing EMS Compartment, Cargo Net | 1 |
| 15-A2-0300 | Light - EMS Compartment, LED Strip The interior EMS compartment light shall be switch on top of the EMS compartment, adjacent to the USB-A/C outlet | 1 |
| 15-A2-0305 | Shelf - Adjustable, Center Forward Facing EMS Compartment | 1 |

| CAB INTERIOR ACCESSORIES | | |
|---|--|---|
| 15-A2-0320 | 12-Volt Dual USB Charging Port - Cab Mounted, Kussmaul 091-264 (USB-A/C) Locate one-(1) per side on the top of the EMS compartment, outboard the cub holders | 2 |
| 15-A2-0325 | Interior Trim - Mounting Plate, Engine Tunnel | 1 |
| 15-A2-0330 | Fuse Block - 12-Volt 6-Place Location: TBD | 1 |
| 15-A2-0335 | Outlet Strip - Six (6) Place, 120-Volt AC Location: TBD | 1 |
| RADIO EQUIPMENT | | |
| 15-A2-0350 | Radio Installation - Customer Supplied | 2 |
| 15-A2-0355 | Radio Antenna Mount - MNO Note: In addition to the radio mount provided with the chassis | 1 |
| VISUAL COMMUNICATIONS | | |
| 15-A2-0370 | Camera Installation - Chassis Supplied The camera shall be located on the center rear of the apparatus, above the B1 compartment, with Cast aluminum guard | 1 |
| *****NFPA SAFETY SIGNS***** | | |
| 18-A2-0220 | Safety Signs - General Requirements | 1 |
| 18-A2-0420 | Safety Signs - Battery Explosion, FAMA01 | 1 |
| 18-A2-0620 | Safety Signs - Rotating Shafts, FAMA02 | 1 |
| 18-A2-0820 | Safety Signs - Hot Surfaces, FAMA03 | 1 |
| 18-A2-1020 | Safety Sign - Hot Exhaust, FAMA04 | 1 |
| 18-A2-1220 | Safety Sign - Spinning Fan, FAMA05 | 1 |
| 18-A2-1420 | Safety Signs - Seated & Belted, FAMA07 | 1 |
| 18-A2-1620 | Safety Sign - Air Conditioning Refrigerant, FAMA09 | 1 |
| 18-A2-1820 | Safety Sign - Cab Equipment Mounting, FAMA10 | 1 |
| 18-A2-2020 | Safety Sign - Fire Service Tire Rating, FAMA12 | 1 |
| 18-A2-2220 | Safety Sign - Electronic Stability Control, FAMA13 | 1 |
| 18-A2-2420 | Safety Sign - Cab Seating, FEMA14 Seating Capacity of 6 Personnel | 1 |
| 18-A2-2620 | Safety Signs - Helmet Worn in Cab, FAMA15 | 1 |
| 18-A2-2820 | Safety Sign - Vehicle Backing, FAMA17 | 1 |
| 18-A2-4020 | Safety Signs - Intake/Discharge Cap Pressure, FAMA18 | 1 |
| 18-A2-4220 | Safety Signs - Hose Restraint Required, FAMA22 | 1 |
| 18-A2-4420 | Safety Signs - Climbing Method Instruction, FAMA23 | 1 |
| 18-A2-4620 | Safety Signs - Riding on Exterior, FAMA24 | 1 |
| 18-A2-4820 | Safety Sign - Pump Training, FAMA25 | 1 |
| 18-A2-6020 | Safety Signs - No-Step, FAMA26 | 1 |
| 18-A2-6220 | Safety Sign - Siren Noise, FAMA42 | 1 |
| 18-A4-1020 | Safety Sign - Apparatus Movement Warning | 1 |
| 18-A6-0220 | Plate - Fluid Capacity | 1 |
| 18-A6-0420 | Plate - Overall Height/Length/Weight | 1 |
| *****PUMP ENCLOSURES / PUMPS / COMPONENTS / ACCESSORIES***** | | |
| PUMP MODULE - SIDE MOUNT EXTRUDED ALUMINUM | | |
| 20-A2-0220 | USFA- Manufactured Pump Module | 1 |
| 20-A2-0225 | Attached Pump Module | 1 |
| 20-A2-0230 | PUMP PANELS - Black Anodized Aluminum | 1 |
| 20-A2-0235 | Pump Module - Enclosed w/Painted Roll-Up Doors | 1 |
| 20-A2-0240 | Pump Panel - Fully Hinged, Right Side | 1 |
| 20-A2-0245 | Access Panel - Front Pump Module w/Door | 1 |
| 20-A2-0250 | Lights - Left & Right Side Pump Panel, OnScene LED Access | 1 |
| 20-A2-0255 | Light - Pump Compartment, LED | 1 |
| 20-A2-0260 | Trim - Dunnage Area, Tread Plate (Walls and Floor) The floor shall have drain holes. Note: Dunnage area to be bed lined Black | 1 |
| 20-A2-0265 | Partition - Dunnage Area Note: A partition shall be provided on the floor of the dunnage area around the monitor to keep loose items from interfering with the operation of the monitor | 1 |
| 20-A2-0270 | Switch - Hosebed Light, Pump Panel | 1 |
| 20-A2-0275 | Switch - Pump Panel Exterior/Interior Lights, Pump Panel | 1 |
| 20-A2-0280 | Switch - Air Horn, Pump Panel | 1 |
| 20-A2-0285 | Heat Pan w/Heater - Pump House Note: The heat panel shall be fully removable for summer ops/service work | 1 |

| PUMP PANEL ACCESSORIES | | |
|------------------------|--|---|
| 20-A2-0300 | Gauges - Master Suction/Pressure, 4-1/2" White Face, IC | 1 |
| 20-A2-0305 | Pressure Governor - FRC Pump Boss MAX P8A501-D00 | 1 |
| 20-A2-0310 | Return Line - Fill Subsurface | 1 |
| 20-A2-0315 | Gauges - 2-1/2" Pressure, White Face | 1 |
| 20-A2-0320 | Gauge Bezels - Color Coded | 1 |
| 20-A2-0325 | Gauge Heaters - MC Products, 6 Gauges | 2 |
| 20-A2-0330 | Tags - Pump Panel, Color Coded (Metal) | 1 |
| PUMP AND COMPONENTS | | |
| 20-A2-0345 | Pump System - 1500 GPM Single Stage, Hale QMAX-XS | 1 |
| 20-A2-0350 | Mechanical Seal - Hale | 1 |
| 20-A2-0355 | Manual Override For Pump Shift | 1 |
| 20-A2-0360 | Priming System - Trident EP - AirPrime - 31.001.7 Manual | 1 |
| 20-A2-0365 | Anodes - Pump Corrosion (Each) | 3 |
| 20-A2-0370 | Valve - Master Pump Drain | 1 |
| 20-A2-0375 | Manual Drains, 3/4" Lift-Up Type | 1 |
| 20-A2-0380 | Pump Test Points - Hale | 1 |
| 20-A2-0385 | Certification: Third Party Pump Testing (NFPA 1900) | 1 |
| 20-A2-0390 | Plate - Pump Test Certification | 1 |
| STEAMER INLETS | | |
| 20-A2-0405 | Suction Headers - (2) 6" w/Long Handle Cap, Left & Right Side | 1 |
| 20-A2-0410 | Master Intake Valve - Electric, Hale MIV-E | 2 |
| 20-A2-0410 | Valve - Thermal Relief Valve w/Light & Alarm, Hale TRV-L | 1 |
| 20-A2-0415 | Intake Relief Valve Note: Preset to 125 PSI | 1 |
| TANK TO PUMP | | |
| 20-A2-0430 | Tank-To-Pump - 3" Valve w/Electric Control | 1 |
| TANK FILL | | |
| 20-A2-0445 | Tank Fill - 2" Valve w/Electric Control | 1 |
| COOLERS | | |
| 20-A2-0460 | Cooler - Engine, 1/2" Line w/ 1/4 Turn Valve | 1 |
| 20-A2-0465 | Cooler - Pump, 3/8" Line w/ 1/4 Turn Valve | 1 |
| PLUMBING | | |
| 20-A2-0480 | Plumbing - Stainless Steel | 1 |
| 20-A2-0485 | Plumbing - Stainless Steel Foam Manifold | 1 |
| 20-A2-0490 | Plumbing Finish - Natural | 1 |
| APPARATUS VALVES | | |
| 20-A2-0505 | Intake Valves - Akron Brass 8800 Series | 1 |
| 20-A2-0510 | Discharge Valves - Akron Brass 8800 Series | 1 |
| AUXILLIARY INLETS | | |
| 20-A2-0525 | Suction - Left Side, 2-1/2" Valve w/Swing Control at Valve | 1 |
| 20-A2-0530 | Suction - Right Side, 2-1/2" Valve w/Swing Control at Valve | 1 |
| FRONT BUMPER DISCHARGE | | |
| 20-A2-0545 | Discharge - Front Bumper in Hose Well (Center Compartment) | 1 |
| 20-A2-0550 | Discharge - Front Bumper, 2-1/2" Valve w/Push Pull Control Note: The plumbing shall terminate within the center bumper compartment with a 2-1/2" chicksan swivel | 1 |
| 20-A2-0555 | Valve - Front Bumper Discharge Blow Out | 1 |
| SPEEDLAYS | | |
| 20-A2-0570 | Speedlays (3) - (2) 2" Valves / (1) 2-1/2" Valve w/Push Pull Control Note: The speedlays shall be full enclosed within the pump compartment. The center of the speedlays troughs shall be full removable for service access to the pump | 1 |
| 20-A2-0575 | Trays - Removable Speedlay (3) | 1 |
| 20-A2-0580 | Trays - ADDITIONAL Removable Speedlay (3) | 1 |
| 20-A2-0585 | Covers - Hypalon End Flaps w/Bungee Cords, Speedlays | 1 |
| 20-A2-0590 | End Flaps Color: Black | 1 |

| LEFT PANEL DISCHARGES | | |
|---|---|---|
| 20-A2-0605 | All 2-1/2" Side Discharge Outlets Terminate 30-Degree Elbows / Caps | 1 |
| 20-A2-0610 | Discharges (2) - Left Side, 2-1/2" Valve w/Push-Pull Control | 1 |
| RIGHT PANEL DISCHARGES | | |
| 20-A2-0625 | All 2-1/2" Side Discharge Outlets Terminate 30-Degree Elbows /Caps | 1 |
| 20-A2-0630 | Discharge - Right Side, 2-1/2" Valve w/Push-Pull Control | 1 |
| 20-A2-0635 | Discharge - Right Side, 4" Valve w/Electric Control | 1 |
| 20-A2-0640 | Elbow - 4" FNST x 4" Storz 30 Degree, Kocheck SKE44R-H52 | 1 |
| 20-A2-0645 | Cap w/Chain - 4" Storz, Kocheck CC507 | 1 |
| DECK GUN | | |
| 20-A2-0660 | Discharge - Deck Gun, 3" Valve w/Electric Control | 1 |
| 20-A2-0665 | Telescoping Waterway - 3" Electric, TFT XGA38PL-RL Extend-A-Gun | 1 |
| 20-A2-0670 | Monitor - Electric Deck, TFT Typhoon Y5-E11A | 1 |
| 20-A2-0675 | Monitor Control - Panel Mount, TFT Y4E-RP | 1 |
| 20-A2-0680 | Master Stream Nozzle - Electric Monitor, TFT M-ERP1500-NN | 1 |
| 20-A2-0685 | Monitor Control - Wireless Remote, TFT YE-RF-900 | 1 |
| HOSE BED PRE-CONNECT | | |
| 20-A2-0700 | Discharge - Left Front Hose Bed, 2-1/2" Valve w/Push-Pull | 1 |
| 20-A2-0710 | Cap w/ Chain - 2-1/2" | 1 |
| FOAM SYSTEM | | |
| 20-A2-0725 | Foam System - Hafe SmartFoam 3.3 | 1 |
| 20-A2-0730 | Gauge - Class A Foam, FRC Tank Vision Pro WLA360-A00 | 1 |
| 20-A2-0735 | Tank Switch (1) Low Level | 1 |
| 20-A2-0740 | Valve - Waterway Check | 1 |
| 20-A2-0745 | Fittings - Integral Check Valve/Injector | 1 |
| 20-A2-0750 | Strainers - Foam Concentrate - Flushing Systems | 1 |
| 20-A2-0755 | Control Cables | 1 |
| 20-A2-0760 | Flowmeter - w/Display Unit | 1 |
| 20-A2-0765 | Placard - Operating System, Single Tank | 1 |
| 20-A2-0770 | NFPA Test - Foam Proportioning Systems | 1 |
| 20-A2-0775 | Foam Tank, Polypropylene, Class A, 30 Gallons | 1 |
| FOAM OUTLET LOCATIONS: | | |
| 20-A2-0790 | Foam Outlet - Discharge Front Bumper | 1 |
| 20-A2-0795 | Foam Outlet - Speedlay No. 1 | 1 |
| 20-A2-0800 | Foam Outlet - Speedlay No. 2 | 1 |
| 20-A2-0805 | Foam Outlet - Speedlay No. 3 | 1 |
| 20-A2-0810 | Foam Outlet - Left Front Hose bed | 1 |
| *****WATER TANKS / COMPONENTS / ACCESSORIES ***** | | |
| WATER TANK | | |
| 30-A2-0220 | Water Tank - Polypropylene, 1000 Gallons | 1 |
| 30-A2-0225 | Certification - NFPA Water Tank Size | 1 |
| 30-A2-0230 | Tank Sleeve - Poly Note: For left rear discharge | 1 |
| 30-A2-0235 | Gauge - Water Level, Tank Vision Pro WLA300-A00 | 1 |
| 30-A2-0240 | Lights (EACH) - Water Level, FRC MAXVISION WLA280-A00 Locations: One (1) per side on the extended portion to the cab, and one (1) on the driver's side rear of the apparatus Activation: Park Brake | 3 |
| *****PUMPER / TANKER BODIES***** | | |
| 50-A2-0220 | Body - 102" Wide, Extruded Aluminum | 1 |
| 50-A2-0225 | Body Sub Frame - Extruded Aluminum | 1 |
| 50-A2-0230 | Body/Compartment Construction - 102" Wide Body | 1 |
| 50-A2-0235 | Wheel Well Panels & Fenders - Body, Painted Aluminum | 1 |
| 50-A2-0240 | Fenderettes - Polished Stainless Steel Note: Fenderettes to be coated with Black Bed Liner | 1 |
| 50-A2-0250 | Hose Bed - 67-1/2" Wide | 1 |

| COMPARTMENT LAYOUT - LEFT SIDE RESCUE STYLE | | |
|--|--|---|
| Compartment L1: | | |
| 50-A2-0260 | Interior Dimensions: ~30"W x 70-1/4"H x 15" Upper/28"D Lower Door Opening: ~28"W x 60-7/8"H | 1 |
| 50-A2-0265 | Vent - Compartment, Louvered | 2 |
| 50-A2-0270 | Compartment Door - Roll Up, Painted Finish | 1 |
| 50-A2-0275 | Pull Down Strap - Compartment DoorNote: Bungee Style | 1 |
| 50-A2-0280 | Light - Compartment, LED Strip Note: Two-(2) Full Height LED Strips per Compartment | 2 |
| 50-A2-0285 | Shelf - Permanent, Smooth Aluminum Location: Depth Break Note: To be Bolt-In type | 1 |
| Compartments L2: | | |
| 50-A2-0305 | Interior Dimensions: ~58"W x 38"H x 15"D Door Opening: ~56"W x 28-5/8"H | 1 |
| 50-A2-0310 | Vent - Compartment, Louvered | 2 |
| 50-A2-0315 | Compartment Door - Roll Up, Painted Finish | 1 |
| 50-A2-0320 | Pull Down Strap - Compartment DoorNote: Bungee Style | 1 |
| 50-A2-0325 | Light - Compartment, LED Strip Note: Two-(2) Full Height LED Strips per Compartment | 2 |
| 50-A2-0330 | Tool Board - Pac Trac Location: Rear Compartment Wall | 1 |
| Compartment L3: | | |
| 50-A2-0345 | Interior Dimensions: ~48"W x 70-1/4"H x 15" Upper/28"D Lower Door Opening: ~46"W x 60-7/8"H | 1 |
| 50-A2-0350 | Vent - Compartment, Louvered | 2 |
| 50-A2-0355 | Compartment Door - Roll Up, Painted Finish | 1 |
| 50-A2-0360 | Pull Down Strap - Compartment DoorNote: Bungee Style | 1 |
| 50-A2-0365 | Light - Compartment, LED Strip Note: Two-(2) Full Height LED Strips per Compartment | 2 |
| 50-A2-0370 | Shelf - Permanent, Smooth Aluminum Location: Depth Break Note: To be Bolt-In type | 1 |
| COMPARTMENT LAYOUT - RIGHT SIDE RESCUE STYLE | | |
| Compartment R1: | | |
| 50-A2-0260 | Interior Dimensions: ~30"W x 70-1/4"H x 15" Upper/28"D Lower Door Opening: ~28"W x 60-7/8"H | 1 |
| 50-A2-0265 | Vent - Compartment, Louvered | 2 |
| 50-A2-0270 | Compartment Door - Roll Up, Painted Finish | 1 |
| 50-A2-0275 | Pull Down Strap - Compartment DoorNote: Bungee Style | 1 |
| 50-A2-0280 | Light - Compartment, LED Strip Note: Two-(2) Full Height LED Strips per Compartment | 2 |
| 50-A2-0285 | Shelf - Permanent, Smooth Aluminum Location: Depth Break Note: To be Bolt-In type | 1 |
| Compartments R2: | | |
| 50-A2-0305 | Interior Dimensions: ~58"W x 38"H x 15"D Door Opening: ~56"W x 28-5/8"H | 1 |
| 50-A2-0310 | Vent - Compartment, Louvered | 2 |
| 50-A2-0315 | Compartment Door - Roll Up, Painted Finish | 1 |
| 50-A2-0320 | Pull Down Strap - Compartment DoorNote: Bungee Style | 1 |
| 50-A2-0325 | Light - Compartment, LED Strip Note: Two-(2) Full Height LED Strips per Compartment | 2 |
| 50-A2-0330 | Tool Board - Pac Trac Location: Rear Compartment Wall | 1 |
| Compartment R3: | | |
| 50-A2-0345 | Interior Dimensions: ~48"W x 70-1/4"H x 15" Upper/28"D Lower Door Opening: ~46"W x 60-7/8"H | 1 |
| 50-A2-0350 | Vent - Compartment, Louvered | 2 |
| 50-A2-0355 | Compartment Door - Roll Up, Painted Finish | 1 |
| 50-A2-0360 | Pull Down Strap - Compartment DoorNote: Bungee Style | 1 |
| 50-A2-0365 | Light - Compartment, LED Strip Note: Two-(2) Full Height LED Strips per Compartment | 2 |

| | | |
|--|---|---|
| 50-A2-0370 | Shelf - Permanent, Smooth Aluminum Location: Depth Break Note: To be Bolt-In type | 1 |
| Compartment B1: | | |
| 50-A2-0525 | Interior Dimensions: ~35"W x 50-1/2"H x 28"D Door Opening: ~33"W x 41-7/8"H | 1 |
| 50-A2-0530 | Vent - Compartment, Louvered | 2 |
| 50-A2-0535 | Compartment Door - Roll Up, Painted Finish | 1 |
| 50-A2-0540 | Pull Down Strap - Compartment Door Note: Bungee Style | 1 |
| 50-A2-0545 | Light - Compartment, LED Strip Note: Two-(2) Full Height LED Strips per Compartment | 2 |
| 50-A2-0550 | Tray - 500 Pound Roll-Out, 24-28" Deep Location: Compartment Floor Mounted | 1 |
| REAR BODY CONSTRUCTION - PUMPER / TANKERS | | |
| 50-A2-0575 | Rear Body Construction - Flat Back Design | 1 |
| 50-A2-0580 | Step - Intermediate Rear, Aluminum Tread Plate Note: Intermediate rear step to be bed lined Black | 1 |
| LADDER STORAGE | | |
| 50-A2-0590 | Compartment - Pike Pole/Ladder Storage, Right Side Beside Tank Capacity: One-(1) Alco-Lite FL-10, 10' Folding Attic Ladder One-(1) Alco-Lite PRL-14, 14' Roof Ladder One-(1) Alco-Lite PEL-24, 24' 2-Section Extension Ladder Two-(2) Pike Poles (10' and 12') | 1 |
| 50-A2-0595 | Tubes (2) - Pike Pole Storage Location: Ladder Compartment | 1 |
| SUCTION HOSE STORAGE | | |
| 50-A2-0610 | Compartment - Suction Hose Storage, Top of Side Compartments Note: Each compartment shall store one-(1) 10' x 6" section of flexible suction hose and one-(1) NY Roof Hook. Reference FT1048 | 1 |
| WHEEL WELL STORAGE COMPARTMENTS | | |
| 50-A2-0625 | Compartment - Wheel Well Double Air Bottle, Left Front | 1 |
| 50-A2-0630 | Compartment - Wheel Well Single Air Bottle, Left Rear | 1 |
| 50-A2-0635 | Compartment - Wheel Well Double Air Bottle, Right Front | 1 |
| 50-A2-0640 | Compartment - Wheel Well Double Air Bottle, Right Rear | 1 |
| | Doors - Wheel Well Compartments, Painted Aluminum Note: Air bottle doors to be bed lined Black | 4 |
| BODY TRIM / COMPONENTS | | |
| 50-A2-0655 | Body Trim Package Note: All body trim to be bed lined Black | 1 |
| | Guards (2) - Body Corner Stone, Front - Aluminum Tread Plate Note: Stone guard to be bed lined Black | 1 |
| 50-A2-0675 | Fuel Fill - Recessed w/Door, Left Side Note: Fuel fill door to be bed lined Black | 1 |
| 50-A2-0680 | Mud Flaps - Rear | 1 |
| 50-A2-0685 | Rub Rail - Extruded Aluminum Note: Rub rail to be bed lined Black | 1 |
| 50-A2-0690 | Step - 12" Rear, Aluminum Tread Plate Note: Rear step to be bed lined Black | 1 |
| 50-A2-0695 | Step - LED Lighted, Rear Locations: Passenger side beneath the ladder compartment | 2 |
| 50-A2-0700 | Access - Ladder, Alco-Lite SureStep Location: Driver's side rear | 1 |
| 50-A2-0705 | Light - LED Perimeter Illumination, Whelen PEL2B Note: For access ladder illumination | 3 |
| 50-A2-0710 | Tow Eyes (2) - Rear, Below Body | 1 |
| HANDRAILS | | |
| 50-A2-0720 | Handrails - Rear Vertical (2), Knurled Aluminum | 1 |
| 50-A2-0725 | Handrail - Below Hose Bed, Knurled Aluminum | 1 |
| 50-A2-0730 | Handrails - (Additional), Knurled Aluminum Locate one-(1) per side above the suction hose storage compartments | 2 |

| HOSE BED DIVIDERS / COVERS | | |
|---|--|---|
| 50-A2-0735 | Partition - Front of Hose Bed | 1 |
| 50-A2-0740 | Divider - Hose Bed, Pumper | 3 |
| 50-A2-0745 | Hand Hole in Hose Bed Divider | 3 |
| 50-A2-0750 | Cover - Aluminum w/End Flaps, Pumper (2-Piece Design) | 1 |
| 50-A2-0755 | Covers (1) - Fill Tower Access, Water/Foam | 1 |
| 50-A2-0760 | End Flap - Hypalon w/Bungee Cords, Hose Bed Note: Endflap to be weighted at the bottom with sand | 1 |
| 50-A2-0765 | Cover/End Flap Color: Black | 1 |
| ***** ELECTRICAL / COMPONENTS / ACCESSORIES ***** | | |
| 70-A2-2420 | Electrical System - Body Multiplex, Class One ES-Key | 1 |
| 70-A2-2425 | Electrical System - 12 Volt Testing | 1 |
| 70-A2-2430 | 12-Volt Wiring Protection - Split Loom | 1 |
| 70-A2-2435 | EMI/RFI Protection | 1 |
| ALL LIGHTS SHALL HAVE BLACK WHELEN LIGHT BEZELS | | |
| ZONE B/D UPPER BODY SIDE FRONT | | |
| 70-A2-2465 | Zone B/D Upper Body Side Front Lights (2) - Red w/Clear Lens M9 LED, Whelen M9RB One (1) per side of the body, upper front corners | 1 |
| 70-A2-2470 | Lights (2) - M9 EZ LED Scene, Whelen M92SLB | 1 |
| ZONE B/D UPPER BODY SIDE REAR | | |
| 70-A2-2485 | Zone B/D Upper Body Side Rear Lights (2) - Red w/Clear Lens M9 LED, Whelen One (1) per side of the body, upper rear corners | 1 |
| 70-A2-2490 | Lights (2) - M9 EZ LED Scene, Whelen M92SLB | 1 |
| ZONE C UPPER | | |
| 70-A2-2505 | Zone C Upper Outboard Lights (2) - Red w/Clear Lens M9 LED, Whelen M9RB One (1) per side on the rear of the apparatus, upper outboard corners | 1 |
| 70-A2-2510 | Lights (2) - M9 EZ LED Scene, Whelen M92SLC | 1 |
| 70-A2-2515 | Upper Rear Scene Light Activation - Reverse Circuit | 1 |
| Zone B & D LOWER MIDSHIP | | |
| 70-A2-2530 | Zone B & D Lower Midship (2) - Red w/Clear Lens M6 LED, Whelen M6RB One (1) per side on the body wheel well panels | 1 |
| ZONE B/D LOWER | | |
| 70-A2-2545 | Zone B & D Lower Rear (2) - Red w/Clear Lens T-ION LED (Black Bezel) One (1) per side below the lower front corner of the pump panel, within the rubrail One (1) per side below the lower rear corner of the L1/R1 compartments, within the rubrail Two (2) per side below the lower front and rear corner of the L3/R3 compartments, within the rubrails | 4 |
| ZONE C LOWER | | |
| 70-A2-2560 | Zone C Lower Lights (2) - Red w/Clear Lens M6 LED, Whelen M6RB | 1 |
| 70-A2-2565 | Stop/Turn/Reverse Lights - LED, Whelen M6 | 1 |
| 70-A2-2570 | Housing - Rear Tail Light Assembly, M6FBV4 | 1 |
| REAR DIRECTIONAL LIGHT | | |
| 70-A2-2585 | Light - LED Rear Directional, Whelen TAL65 | 1 |
| 70-A2-2590 | Rear Directional Light Mounting - Surface Mount Note: The rear directional light shall be mounted below the intermediate rear step | 1 |
| 70-A2-2595 | Control Head Location - Traffic Light, Driver's Side Overhead | 1 |
| MARKER / CLEARANCE LIGHTS | | |
| 70-A2-2610 | Lights - Clearance Amber LED | 2 |
| 70-A2-2615 | Lights - Clearance RED LED | 9 |
| UNDERBODY LIGHTS | | |
| 70-A2-2630 | Light - 12" LED Underbody, Luma Bar H20 AY-9500-012 Locations: Beneath Driver's Side Pump Compartment, L3, Officer's Side Pump Compartment, R3 and (2) below the tailboard | 6 |

| HOSEBED LIGHTING | | |
|---|---|---|
| 70-A2-2645 | Light - 20" LED, Luma Bar H20 AY-9500-040 Note: Switched at pump panel | 2 |
| PERIMETER LIGHTS | | |
| 70-A2-2660 | Light - LED License | 1 |
| LIGHT TOWER - 12-VOLT | | |
| 70-A2-2675 | Light Tower - 12-Volt w/Whelen PFP2 LED Lights (4), Will-Burt NS2.3-600 WHL Location: Cab Roof | 1 |
| 70-A2-2680 | Controls - Light Tower, Panel Mount Note: Locate in the pump panel compartment | 1 |
| 70-A2-2685 | Color - Light Tower Option, Powder Coat Black | 1 |
| 70-A2-2690 | Shield - Light Tower, Painted Aluminum Note: Black, FLNA 40421 to match the upper portion of the cab | 1 |
| *****INTERIOR / EXTERIOR FINISH / LETTERING / STRIPING***** | | |
| 80-A2-0220 EXTERIOR FINISH - BODY | | |
| 80-A2-0220 | Paint - Body, Two Tone (Paint break at top of body compartments) | 1 |
| 80-A2-0225 | Paint Color/Code: Red FLNA 31979 (US Fire Apparatus Red 1) | 1 |
| 80-A2-0230 | Paint Color/Code: Jet Black FLNA 40421 (US Fire Apparatus Black 1) | 1 |
| 80-A2-0235 | | |
| 80-A2-0240 BODY / INTERIOR / FINISH | | |
| 80-A2-0245 | Interior Compartment Finish - Natural | 1 |
| 80-A2-0250 | | |
| 80-A2-0255 EXTERIOR BLACK-OUT OPTIONS | | |
| 80-A2-0260 | Paint - Body Rub Rail, "Bed Lined" | 1 |
| 80-A2-0265 | Paint - Body Fenderettes, "Bed Lined" | 1 |
| 80-A2-0270 | Paint - Dunnage Area, "Bed Lined" | 1 |
| 80-A2-0275 | Paint - Upper Walkway & Body, "Bed Lined" | 1 |
| 80-A2-0280 | Paint - Hose Bed Covers, "Bed Lined" | 1 |
| 80-A2-0285 | Paint - Wheel Well Compartment Doors, "Bed Lined" | 4 |
| 80-A2-0290 | Paint - Fuel Fill Door, "Bed Lined" | 1 |
| 80-A2-0295 | Paint - Rear Tailboard, "Bed Lined" | 1 |
| 80-A2-0300 | Paint - Body Handrails & Stanchions, "Bed Lined" | 1 |
| 80-A2-0305 | Paint - Rear Tail Light Bezels, "Bed Lined" | 1 |
| 80-A2-0310 | Paint - Body Trim, "Bed Lined" | 1 |
| 80-A2-0255 SCOTCHLITE STRIPE - NFPA | | |
| 80-A2-0255 | Stripe - Scotchlite, 1-4-1 Triple | 1 |
| 80-A2-0260 | Striping Color: Black | 1 |
| 80-A2-0265 | Pin Stripe/Secondary Stripe Color: Black | 1 |
| 80-A2-0270 | Striping Layout: Reverse "Z" Design, Body Compartment Doors | 1 |
| 80-A2-0290 REAR CHEVRON | | |
| 80-A2-0290 | Striping - Rear Body, Reflective Chevron | 1 |
| 80-A2-0295 | Chevron Striping Colors: 3M Red & Black | 1 |
| | Striping - Front Bumper, Reflective Chevron Note: Red/Black Chevron on front bumper | |
| 80-A2-0305 | Reflective Material - Designated Walking Surfaces | 1 |
| 80-A2-0320 LETTERING / SIGNS / PLAQUES | | |
| 80-A2-0320 | Lettering - 4" Gold w/Shade | 1 |
| 80-A2-0325 | Decals/Maltese Cross (2) | 1 |

| *****LOOSE EQUIPMENT***** | | |
|--------------------------------|--|------|
| 90-A2-0220 | Equipment Package - NFPA 1900 2024, Fire Department Supplied | 1 |
| 90-A2-0225 | Ladder - 10' Folding Attic, Alco-Lite FL-10 | 1 |
| 90-A2-0230 | Ladder - 14' Roof, Alco-Lite PRL-14 | 1 |
| 90-A2-0235 | Ladder - 24' 2-Section Extension, Alco-Lite PEL-24 | 1 |
| 90-A2-0240 | Hose (2) - PVC Flexible Suction, Kochek 10' x 6" | 1 |
| 90-A2-0245 | Strainer - 6" NH Barrel, Kochek BS60C Note: Stored in upper left suction hose compartment, attached to suction hose | 1 |
| 90-A2-0255 | Pike Pole - 10' Fiberglass | 1 |
| 90-A2-0260 | Pike Pole - 12' Fiberglass | 1 |
| 90-A2-0265 | Wheel Chocks (2) - Folding, Ziamatic SAC-44-E w/Mounting Bracket Location: Below the L1 compt. | 1 |
| 90-A2-0270 | Emergency Road Kit (Triangles, Road Flares) | 1 |
| 90-A2-0275 | First Aid Kit (24 unit) DOTD | 1 |
| 90-A2-0280 | Light - w/Charging Base, Streamlight Fire Vulcan 180 LED Orange 44915 Locations: TBD | 6 |
| *****WARRANTIES / MANUALS***** | | |
| 98-A2-0220 | Manuals Package (Operation, Engine, Transmission, Body, Pump) | 1 |
| 98-A2-0225 | Warranty Package | 1 |
| 98-A2-0230 | Cab and Body General - 2-Year | 1 |
| 98-A2-0235 | Chassis - 3-Year | 1 |
| 98-A2-0240 | Frame Rail - Lifetime | 1 |
| 98-A2-0245 | Cab Structural - 10-Year | 1 |
| 98-A2-0250 | Engine - OEM Standard, 5-Year | 1 |
| 98-A2-0255 | Transmission - OEM Standard, 5-Year | 1 |
| 98-A2-0260 | Hale Pump - Five Year Parts, 2-Year Labor | 1 |
| 98-A2-0265 | Plumbing, Stainless Steel - 10-Year | 1 |
| 98-A2-0270 | Cab/Body Paint - 10-Year | 1 |
| 98-A2-0275 | Water/Foam Tanker - Lifetime | 1 |
| *****ADMINISTRATION***** | | |
| 99-A2-0220 | Pre-Construction Conference Trip (Per Person) (Airfare / Hotel / Meals) | 2 |
| 99-A2-0225 | Remote Inspections As Needed (Pictures/Phone Calls/Video) | 1 |
| 99-A2-0230 | Final Inspection Trip (Per Person) (Airfare / Hotel / Meals) | 2 |
| 99-A2-0235 | Delivery - Driven from Holden, LA to Laurel, MT | 1805 |
| 98-D2-2020 | One day of factory instruction during the final inspection trip | 1 |