

## **NOTICE AND AGENDA**

Notice is hereby given that the City Council of the City of Santaquin will hold a City Council Meeting on Tuesday, December 17, 2019 in the Court Room, 275 W Main, upper level at 6:00 pm

- 1. ROLL CALL**
- 2. PLEDGE OF ALLEGIANCE**
- 3. INVOCATION/INSPIRATIONAL THOUGHT**
- 4. DECLARATION OF ANY CONFLICT OF INTEREST**
- 5. CONSENT AGENDA**
  - a. Minutes:
    1. November 17, 2019 – City Council Meeting Minutes
    2. November 26, 2019 – Special City Council Meeting Minutes
  - b. Bills:
    1. \$586,816.94
  - c. Consent Action Items:
    1. Resolution 12-01-2019, “A Resolution Supporting a Level Two Pediatric Trauma Care Unit in the Central Area of Utah County”
    2. Resolution 12-02-2019, “A Resolution Approving a Santaquin City Planning Commission Proposed Amendment to their Operational Bylaws”
    3. Resolution 12-03-2019, “A Resolution Approving the Annual Utah Wild Fire Resources MOU Agreement with the Utah Division of Forestry, Fire and State Lands.
    4. Resolution 12-04-2019, “A Resolution Approving a Medical Director Service Agreement for the Santaquin EMS Department with Dr. Mark N. Bair”
    5. Resolution 12-05-2019, “A Resolution Declaring Surplus Property – Old Police Refrigerator
    6. Ordinance 12-01-2019, “An Ordinance Creating Santaquin City Code Title 2 Chapter 10 Establishing a Historic Preservation Commission to Survey and Inventory Community Historic Resources, to Review Proposed Nominations to the National Registry of Historic Places, To review Applications for Certificates of Appropriateness, to Provide Advice and Information to City Officials and Other Governmental Officials and to Support Enforcement of State Historic Preservation Laws.
- 6. PUBLIC FORUM, BID OPENINGS, AWARDS, AND APPOINTMENTS**
  - a. Volunteer of the Month Award – Dave & Kalei Robbins
  - b. Payson Santaquin Chamber of Commerce – Business of the Month Award – Brown Mortuary
  - c. Fire Department Brush Truck Fabrication Bid Award
- 7. FORMAL PUBLIC HEARING**
- 8. BUSINESS LICENSES**
- 9. NEW BUSINESS & ADOPTION OF ORDINANCES AND RESOLUTIONS**
  - a. 2018-2019 Fiscal Year Audit Presentation – Larson & Company, CPAs
  - b. Presentation, Discussion and Possible Action Regarding the Santaquin City Royalty
  - c. Discussion and Possible Action Regarding Technology –
    - i. Elected Leader Technology Options – 2020-2022
    - ii. Cameras in the Council Chamber
  - d. Discussion and Possible Action Regarding the Process for Evaluating and Prioritizing Pedestrian Safety Improvements
  - e. Resolution 12-06-2019, “A Resolution Approving the Reinstatement of the Assistant City Manager Position and Authorizing an Employment Agreement”
- 10. REPORTS OF OFFICERS, STAFF, BOARDS, AND COMMITTEES**
  - a. City Manager Reeves
    - i. Christmas Light Parade Event Report – Andra Cefalo & Amy Johnson
  - b. Community Development Director Bond
  - c. City Engineer Beagley
- 11. REPORTS BY MAYOR AND COUNCIL MEMBERS**
  - a. Council Members
  - b. Mayor Hunsaker
- 12. EXECUTIVE SESSION** (May be called to discuss the character, professional competence, or physical or mental health of an individual)
- 13. EXECUTIVE SESSION** (May be called to discuss the pending or reasonably imminent litigation, and/or purchase, exchange, or lease of real property)
- 14. ADJOURNMENT**

If you are planning to attend this Public Meeting and, due to a disability, need assistance in understanding or participating in the meeting, please notify the City ten or more hours in advance and we will, within reason, provide what assistance may be required.

### **CERTIFICATE OF MAILING/POSTING**

The undersigned duly appointed City Recorder for the municipality of Santaquin City hereby certifies that a copy of the foregoing Notice and Agenda was e-mailed to the Payson Chronicle, Payson, UT, 84651, posted on [www.santaquin.org](http://www.santaquin.org), as well as posted on the State of Utah's Public Website.

BY: \_\_\_\_\_  
K. Aaron Shirley, City Recorder



The meeting was called to order by Mayor Pro Tempore Nick Miller at 6:00 p.m.

**Council Members Attending:** Council Member Keith Broadhead, Council Member & Mayor Pro Tempore Nicholas Miller, Council Member Betsy Montoya, Council Member Chelsea Rowley, Council Member Lynn Mecham

**Other's Attending:** City Manager Benjamin Reeves, Community Development Director Jason Bond, City Engineer Norm Beagley, Legal Counsel Brett Rich

**PLEDGE OF ALLEGIANCE**

Led by Dave Hathaway

**INVOCATION/INSPIRATIONAL THOUGHT**

Jason Bond offered an invocation.

**DECLARATION OF ANY CONFLICT OF INTEREST**

**CONSENT AGENDA**

**Minutes:**

November 17, 2019 – City Council Meeting Minutes  
November 26, 2019 – Special City Council Meeting Minutes

**Bills:** \$586,816.94

**Consent Action Items:**

- Resolution 12-01-2019, "A Resolution Supporting a Level Two Pediatric Trauma Care Unit in the Central Area of Utah County"
- Resolution 12-02-2019, "A Resolution Approving a Santaquin City Planning Commission Proposed Amendment to their Operational Bylaws"
- Resolution 12-03-2019, "A Resolution Approving the Annual Utah Wild Fire Resources MOU Agreement with the Utah Division of Forestry, Fire and State Lands."
- Resolution 12-04-2019, "A Resolution Approving a Medical Director Service Agreement for the Santaquin EMS Department with Dr. Mark N. Bair"
- Resolution 12-05-2019, "A Resolution Declaring Surplus Property – Old Police Refrigerator"
- Ordinance 12-01-2019, "An Ordinance Creating Santaquin City Code Title 2 Chapter 10 Establishing a Historic Preservation Commission to Survey and Inventory Community Historic Resources, to Review Proposed Nominations to the National Registry of Historic Places, To review Applications for Certificates of Appropriateness, to Provide Advice and Information to City Officials and Other Governmental Officials and to Support Enforcement of State Historic Preservation Laws."

Council Member Broadhead had some questions in regards of Resolution 12-04-2019 and asked Fire Chief Lind to give the Council more information on the resolution. Fire Chief Lind

stated that all emergency services within the state needed to act under the authority of a doctor's medical license through a medical director service agreement. The current doctor that serves as the medical license that Santaquin EMS acts under has become overwhelmed with his workload and after searching Chief Lind has found and recommends the city enter into an agreement with Dr. Mark N. Bair.

Motion: Council Member Mecham motioned to approve the consent agenda.  
Council Member Rowley seconded the motion.

Roll Call:	Council Member Broadhead	Aye
	Council Member Miller	Aye
	Council Member Montoya	Aye
	Council Member Rowley	Aye
	Council Member Mecham	Aye

The motion passed 5-0

## **PUBLIC FORUM, AWARD**

Penny Reeves announced the Volunteer of the Month Award going to Dave & Kalei Robbins and read the following:

"The Robbins are great examples of the volunteer spirit. Dave, a lifelong resident, and his wife Kalei and their four boys have been running the Squash Head 4-H Sheep Showmanship Program in Santaquin for the past 6 years. Children between the ages of 8 and 18 are invited to participate in the program and they are taught how to feed, lead, shear, wash, and present the animals at several shows before they are sold. To help offset program expenses, Kalei and Dave approach local businesses to participate in a booster program to sponsor the children. Their Squash Head 4-H Petting Zoo has become a main attraction during our city Orchard Days Celebration.

Because many children do not live in areas where livestock are allowed, the Robbins allow the lambs to be raised on their family farm. The participants are taught money management skills to help the program be successful in future years. There is also a garden on the farm property that the 4-H students learn how to cultivate. After a successful harvest, the food is then donated to our local assisted living centers. On top of these volunteer efforts, Kalei is the Young Farmer and Ranchers Chair and Dave is the Vice President of the Utah County Farm Bureau. Their hope is that these efforts can advocate to our future generations the importance of agriculture. A big thank you to Dave and Kalei for their volunteer efforts in helping our children learn valuable life skills and promoting our agricultural heritage."

Dave Robbins came to the podium and said he believes in the future of agriculture and that is why he and Kalei started their 4-H squash club. Dave said he tries to teach kids that agriculture is alive and vibrant here in Utah and especially here in Santaquin. The 4-H slogan is 'learn by doing' and Dave believes that is the best way to teach the kids in his 4-H club. Dave wanted to thank the city, city council, and especially Council Member Rowley who reached out to him and his family.

Mayor Pro Tempore Miller presented the award to Dave & Kalei Robbins and a photo was taken.

Payson-Santaquin Chamber of Commerce Award for business of the month was presented to Brown Mortuary. Josh Nielsen, future president of the chamber in the coming 2020 year, was presented the award to Mark Brown.

Mayor Pro Tempore Miller and Josh Nielsen presented the award to Brown Mortuary and a photo was taken.

Fire Chief Lind came up to speak on the recent purchase of a truck chassis that was built and is now ready for the equipment needed to be put into service. As the cost of this equipment falls within the council's approval authority, bids were obtained and Chief Lind presented the bid that he recommends after review of the supplier's ability and bid price. Council Member Broadhead asked a couple questions about the chassis including the cost, when it was bought, and when the equipment would be ready for the chassis. Chief Lind responded it was approximately \$56,700, it was received just last month in November, and it would be ready in about 4 months. Council Member Broadhead then asked whether the Fire Department was opting for any of the options or extra features for the chassis equipment and Chief Lind responded that they would only be opting for the foam induction system which would be another \$3,000. Council Member Broadhead then asked what the budget was for this entire project and City Manager Reeves responded that there is a \$220,000 budget for the new equipment.

Council Member Mecham motioned to award "Apparatus Equipment & Service, Inc." the fabrication of the 2019-20 Santaquin Brush Truck pursuant to the terms outlined within the bid in an amount, not to exceed, \$107,487.00 (Base Bid plus Options). Council Member Broadhead seconded the motion.

Roll Call:

Council Member Broadhead	Aye
Council Member Miller	Aye
Council Member Montoya	Aye
Council Member Rowley	Aye
Council Member Mecham	Aye

The motion passed 5-0

## **BUSINESS LICENSES**

Community Development Director Bond stated there are 143 new single-family homes and 93 new multi-family homes. In talking with developers, and taking in consideration the over-estimations on part of developers, both Bond and City Manager Reeves are anticipating a considerable increase in homes being built in the coming 2020 year.

There are three new business license this month and all home occupations (are run from the owner's home) including an in-home day care, a dry-wall contractor, and a dog grooming business.

Council Member Miller asked staff why single-family units have decreased to 143 from 180 in the previous year. Community Development Director Bond responded that he had seen a shift in focus from developers to multi-family units and away from single-family units that he attributed to the sale of the foothill village development from developer Salisbury to D.R. Horton and for those developers to get that sale agreement worked out. City Manager Reeves also stated that with all of the plats that are available now the city will see a sizeable increase in the single-family units being built in the coming 2020 year.

## NEW BUSINESS & ADOPTION OF ORDINANCES AND RESOLUTIONS

### *Christmas Light Parade Event Report – Andra Cefalo & Amy Jonson*

Andra Cefalo reported that the light parade went smoothly and there was an increase in floats this year as compared to the previous year. Andra thanked those who helped spread word of the event through word of mouth which she attributed to the increase in participation. The community seemed to really enjoy the choir, Santa Claus, and complimentary pictures with Santa that were available. Finally, Andra wanted to thank Rowley's Red Barn and Crabby's for the food provided for the event.

### *2018-2019 Fiscal Year Audit Presentation – Larson & Company, CPAs*

City Manager Reeves introduced Jon Haderlie from Larson & Company who presented the results of the city audit. Jon wanted to bring 's attention it was the auditor's opinion that there *were no significant or serious* findings that needed to be brought 's attention in terms of internal controls or state compliance and also wanted the Council to note that all the major funds had positive net position (net income) at the end of the year with one exception which was the CDRA normally breaks even at \$0. Jon talked about updates that the Governmental Accounting Standards Board (GASB) had made in the way that long-term debt was to be disclosed in the future with bonds and direct bonds (bank loans) separated out with corresponding collateral for each of those types of debt.

Jon then went to the findings that were found in the audit which included:

- 1) a compliance finding with not all the board meetings being posted on the Utah Public Notice Website
- 2) a finding where the sewer fund's operating income was not at least 120% of the sewer bond's principal and interest payments which after long series of this finding over many years may have the bond holders question the ability of the city to pay the bond

Council Member Broadhead asked if this second finding was or was not the same finding from previous years and City Manager Reeves responded that the city did *not* have this finding the previous year but did have this finding two years prior and clarified that this year's finding was due to WRF upgrades and Jon pointed out that these upgrades would equal greater operating revenue for the next fiscal year and moving forward. Council Member Broadhead then remarked that this finding occurred because there were not enough impact fees to meet that 120% threshold in terms of operating revenue in the sewer fund but Jon Haderlie corrected this statement by demonstrating in the Annual Financial Statement that impact fees were not even factored into that calculation as they are not a consistent source of revenue and therefore not considered a part of the sewer fund's operating revenue.

Jon then mentioned that there also was \$130,000 of bond debt that was retired this fiscal year and would not be there in the coming fiscal year thus helping the operating revenue to increase as well. City Manager Reeves then expounded on Jon's comment by stating that this was a bond that was not supposed to be paid off for another couple of years but the reserve balance in the sewer fund was such that the city was able to retire that bond this year. Reeves continued saying that there was only one more 1993 series bond that remained with six years left of payments but that the city planned to retire that bond early as well as soon as the sewer fund reserve (which currently sits at around \$105,000) meets that remaining balance which is close to \$200,000 for that bond to pay it off close to three years early.

City Manager Reeves commented on the first audit finding that since the missed posting of board meetings to the Utah Public Notice Website had occurred that City Attorney Rich had held a training with City Recorder Shirley and all the other city clerks on state posting requirements. Jon Haderlie noted that while all of these postings had been made to the Santaquin website the finding was made because the board meetings were not posted to the Utah Public Notice Website and in talking with the State Auditor there is a feature that would allow the state website to link to the city website thus fulfilling that requirement to reduce duplication and redundancy of work in meeting postings.

*Presentation, Discussion and Possible Action Regarding the Santaquin City Royalty*

Hannah Tervort has been involved with Santaquin City Royalty for the past 12 years after winning the title of Miss Santaquin. Hannah expressed gratitude for the opportunity to serve as the program director and has seen this program change lives of women throughout the city. Hannah will be turning over the role of city liaison to her mother Keela who then came up to speak. Keela explained that the role her daughter held as program director was divided up into co-directors, program coordinator, and city liaison (which role she will be holding moving forward in attending City Council Meetings when necessary) in order to divide up responsibilities. Keela introduced each of the co-directors, coordinators, and committee members of the program and their responsibilities. She then encouraged the City Council to watch the current Miss Utah at the Miss America competition to see the direction that programs around Utah are going. Hannah's mom wanted to comment on the changes that they saw in the new Miss Utah competition which is steering away from the use of the word pageant and is orienting towards more of a speaking and talent competition.

Hannah said that the changes that Miss Utah is requiring include use of specific channels for promotion and fund raising to compete in the competition. Keela then said the program feels that Miss Utah is not supportive of rural communities in the sense that it seems to be more geared towards affluent communities who have more access to funds and channels for self-promotion. Hannah also said she was disturbed that 60% of the \$2,000.00 it takes to place a competitor in the Miss Utah competition goes towards Miss America scholarships instead of the advertised 100% of the funds going towards the Utah Children's Hospital. Keela expressed her feelings that those funds could be better used in the local community instead of going out to the Miss America Scholarships.

Hannah stated that the committee is recommending to the City Council to not participate in the Miss Utah competition and instead use a portion of city allocated funds and fund raiser funds - \$3,000.00 worth - towards an academic scholarship and the remaining funds towards holding a competition of their own. This proposal would not require any increase in city funds towards the Santaquin City Royalty program but would instead be change of funds from one line item to another. Council Member Broadhead asked how many cities participate in Miss Utah and Hannah stated about 15 cities and a lot of rural communities are dropping out for similar reasons stated here. Council Member Mecham wanted to thank Hannah and the Santaquin City Royalty program for what it's done for the girls in the community and his own daughters who have competed.

*Discussion and Possible Action Regarding Technology -*

- i. Elected Leader Technology Options - 2020-2022*
- ii. Cameras in the Council Chamber*

## *Elected Leader Technology Options for 2020-2022*

City Manager Reeves explained that every couple of years the policies in regards to technology provided to the City Council get reviewed. Four years ago, tablets were provided for Council Members to own with the reasoning that if any personal activity occurred on the technology then it would separate from city liability because it's a personally owned asset. Two years ago, the option was included that a \$400 stipend would be included to buy a laptop or tablet of whatever make and model due to differences in technology preferences from individual councilmembers. City Manager Reeves explained that he had been advised by the city's technology providers that the stipend should be increased to \$600 due to increases in technology prices and capabilities. Reeves clarified that this increase would not come with tech support due to the devices being individually owned assets and not city owned. Council Member Broadhead asked when council members would be able to upgrade technology and City Manager Reeves said that it would be up for review every two years.

### *Cameras in the Council Chamber*

City Manager Reeves then shifted to the second technology discussion of cameras in the City Council chambers and told the Council that this had been a topic of research and discussion for a number of years but that recently there has been an increased demand for such a system for transparency purposes. Reeves clarified that despite previous statements and beliefs that this was not a state requirement and after Finance Director Aaron Shirley had done some research he found that this was not a requirement that would come for any city in Utah anytime soon but that he considered this a best practice. City Manager Reeves then turned the time over to Finance Director Shirley for presenting his research on a camera system in the City Council chambers.

Finance Director Shirley described the features available for City Council meeting broadcasts including both on demand and streaming services with timestamped indexing of the agenda with the meeting video and easier meeting packet access. Shirley described the view of the proposed meeting video software with the video in the top-left corner, the agenda below with indexed timestamps for skipping to those portions of the video, and packet materials on the right-hand side associated with the agenda item currently playing on the video. Shirley presented the camera equipment options along with the software just described and their associated costs from vendors JCG Technologies and Swagit. A third option was for the city to explore investment options for camera and sound equipment independently and then contract out with a vendor like those mentioned for the software aspects of video streaming including the agenda indexing and packet functionalities. Shirley told the Council of a contact, given by Fire Chief Lind, in the city of Provo who is in their IT department and set up Provo with their current City Council camera/sound equipment infrastructure and who is willing to contract out with Santaquin city for consultation for our equipment procurement process.

Council Member Broadhead asked if these options would require someone to control the cameras and their movements and Finance Director Shirley responded that yes they would. City Manager Reeves clarified Shirley's response by stating that JCG Technologies costs were so much lower because they required city personnel to operate the system while Swagit's costs were noticeably higher because they do all of the video production and control remotely from their headquarters which includes us paying their employees to control our cameras and equipment. Reeves then clarified that these findings were just preliminary and not prepared for any decision by the Council but that this was the course of action taken and any direction by the Counsel would be appreciated. Mayor Pro Tempore Miller stated that the price points will even out once the city factors in the costs for a city employee to operate the equipment and thinks

that this project is going in the right direction. City Manager Reeves also wanted the Council to know that there will be more discussion of the camera system and equipment at the budget retreat and will be considered together with the topic of a new city hall as there is a question on transferability of the equipment from one venue to another.

*Discussion and Possible Action Regarding the Process for Evaluating and Prioritizing Pedestrian Safety Improvements*

Community Development Director Bond said there has been issue with individual citizens asking the City Council to put in crosswalks and to avoid the issues getting politicized and to get data behind the decision-making process Bond recommends working with company to put together a policy that would drive the decision-making process. Council Member Montoya told staff she appreciated this issue getting looked into as she had been approached by citizens who had safety concerns and she likes that there would be a systematic approach.

Council Member Montoya requested a five-minute recess. Mayor Pro Tempore Miller gave approval and Council adjourned for five minutes.

*Resolution 12-06-2019, "A Resolution Approving the Reinstatement of the Assistant City Manager Position and Authorizing an Employment Agreement"*

Mayor Pro Tempore turned time over to City Manager Reeves who explained that the purpose of this resolution is to re-instate the position of assistant city manager and promote City Engineer Norm Beagley to Assistant City Manager. Jon Lundell would then become City Engineer and responsibilities would be transferred over a 6-month period as Jon would get trained by Norm. These changes would allow City Manager Reeves to focus on the administration, public safety, and leisure services departments with Norm Beagley able to manage public works and engineering departments. Reeves acknowledged that leisure services is a difficult department to categorize as some of its aspects are more engineering oriented with the construction of a new senior center and other aspects of the department are more personnel and politically driven. City Manager Reeves stated that leisure services oversight would be with City Manager Reeves for the time-being and would be subject to change in the future.

Council Member Broadhead expressed concern that there might be an optics issue with the public without putting the job out externally. City Manager Reeves responded that he was acting out of what he believed was the council's direction but asked that if the council was to post the job externally to please sincerely consider candidates and not disingenuously put out an external job post. City Manager Reeves then stated that the policy decision of promoting from within or putting the job out externally for others to apply to is completely up.

Council Member Montoya stated that she was in full-support of City Engineer Norm Beagley becoming Assistant City Manager. Mayor Pro Tempore Miller then stated that he opined that perhaps the Council should go ahead with the promotion of City Engineer Norm Beagley to Assistant City Manager and move forward with whatever policy gets decided by the Council in the future. Council Member Mecham expressed his support for a hiring policy and that in the past he was worried about not being consistent in their hiring decisions. Council Member Broadhead stated that he thought the Council should approve the re-instating of the position of Assistant City Manager and open the position internally. Mayor Pro Tempore Miller then said that he agreed but instead of opening the position first internally and then externally to open it up both internally and externally simultaneously.

Motion: Council Member Broadhead motioned to adopt Resolution 12-06-2019, "A Resolution Approving the Reinstatement of the Assistant City Manager Position and Authorizing an Employment Agreement" and remove anything that has to do with an employment agreement and instead open up the job posting internally.

The motion was seconded by Council Member Mecham.

Roll Call:	Council Member Broadhead	Aye
	Council Member Miller	Aye
	Council Member Montoya	Nay
	Council Member Rowley	Aye
	Council Member Mecham	Aye

The motion passed 4-1

## REPORTS OF OFFICERS, STAFF, BOARDS, AND COMMITTEES

### *City Manager Reeves –*

- Typically, inauguration day is held as a lunch with both new and former Council Members are invited to participate at noon at the Senior Center on Tuesday January 7, 2020. This will also double as the monthly employee birthday lunch.
- Council Budget Retreat – looking for days available for the retreat with February 7<sup>th</sup> & 8<sup>th</sup> being the primary options

### *Community Development Director Bond –*

- Working on a proposal for a MAG project grant to widen 5<sup>th</sup> West where he is seeking \$5.5 million to widen main street
- There is grant funding that was recently received for the widening of main street between 300 West and 100 East
- Coordination with D.R. Horton (who purchased the Foothill Development previously owned by Salisbury) has been going on and they are asking the city for a change to the development agreement where they could modify setbacks on lots from a 25-foot rear and front to 20 feet to lots of 120 feet or less.
  - Council Member Broadhead expressed concern that this would affect parking/snow plowing in the area and Community Development Director Bond said that was already a concern stated to D.R. Horton
  - Council Member Montoya stated desires for the planning commission to give their input on this issue
  - Curtis Leavitt from D.R. Horton came up asked to take a look at an exhibit that showed a driveway and dimensions with a double cab truck inside the driveway demonstrating the size of the driveway with the increased home sizes to show the sizable dimensions of a driveway even with the modified setbacks
- The city is looking to extend the frontage road of Canyons drive together with D.R. Horton using transportation impact fees for reimbursement

### *City Engineer Beagley –*

- Wrapping up projects and billings but there are some infrastructure needs in Summit Ridge including a pressure regulating station in the area south downhill from the bridge near the tracks. Some preliminary costs have been given and the developer is going to take on a

majority of the \$104,000 costs with the city costs being \$30,000 for the pressure irrigation which would be taken out of impact fees to cover the future growth and \$10,000 for the culinary water which would come out of the operating budget. This would require a budget amendment from the Council.

- Council Member Broadhead asked about the sweeping on main street instead of washing debris into the storm drain and slush to go everywhere and City Engineer Beagley said he would look into it.

#### *City Attorney Rich*

- Dealing with a lot of projects working with developers and there has been an increase in criminal prosecutions
  - Council Member Broadhead said he noticed the increasing attorney costs might be justification for looking at in-house counsel

### **REPORTS BY MAYOR AND COUNCIL MEMBERS**

Council Member Montoya asked about the gate near the cattle guard and why it was taken down by UDOT. Staff did not know. Received an email about the museum building and the estimates for repairing the building seemed low. City Manager Reeves stated that was because it did not include the updates to seismic standards.

Council Member Rowley asked when drop box and email access stopped and City Manager Reeves stated that on January 7<sup>th</sup>, 2020 access would be cut but all emails would be forwarded to whatever email that they desired.

### **EXECUTIVE SESSION**

Council Member Broadhead motioned to enter into executive session.

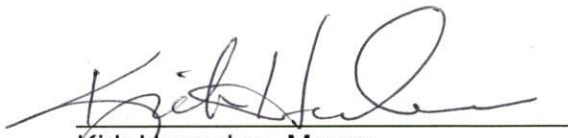
The motion was seconded by Council Member Mecham. See affidavit.

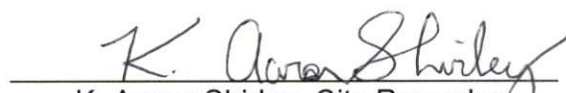
### **ADJOURNMENT**

At 9:51 pm Council Member Montoya moved to adjourn. Council Member Mecham seconded the motion. The vote was as follows:

Council Member Rowley	Aye
Council Member Montoya	Aye
Council Member Mecham	Aye
Council Member Miller	Aye

The motion passed with a 5 to 0 vote.

  
Kirk Hunsaker, Mayor

  
K. Aaron Shirley, City Recorder



## CLOSED EXECUTIVE SESSION AFFIDAVIT

I, Nick Miller, Mayor Pro Tempore of Santaquin City, do hereby certify that the Executive Session held on December 17, 2019 was called to discuss the character, professional competence, or physical or mental health of an individual.

Nick Miller, Mayor Pro Tempore

12/17/19  
Date



The meeting was called to order by Mayor Kirk Hunsaker at 6:00 p.m.

**Council Members Attending:** Mayor Kirk Hunsaker, Council Member Keith Broadhead, Council Member Nicholas Miller, Council Member Betsy Montoya, Council Member Chelsea Rowley, and Council Member Lynn Mecham.

**Other's Attending:** City Manager Benjamin Reeves, Community Development Director Jason Bond, and City Engineer Norm Beagley,

**PLEDGE OF ALLEGIANCE**

Led by Jake Kester.

**INVOCATION/INSPIRATIONAL THOUGHT**

City Manager Benjamin Reeves offered an invocation.

**DECLARATION OF ANY CONFLICT OF INTEREST**

Mayor Hunsaker declares that he is an employee of VanCon who is doing a number of projects in the city.

**CONSENT AGENDA**

**Minutes:**

November 5<sup>th</sup>, 2019 – City Council Meeting Minutes

**Bills:**

\$483,926.89

**Consent Action Items:**

- Canvass – 2019 General Election and General Obligation Bond Proposal Election Results
- Resolution 11-02-2019, "A Resolution Declaring Surplus Property – Vehicles"

Council Member Broadhead asked what vehicles were being surplussed and how they were to be sold. City Manager Reeves showed pictures of the two vehicles that were to be put up for surplus, including a 2003 Ford Ranger and a 2001 Chevy Suburban. He indicated that they would be auctioned on [www.publicsurplus.com](http://www.publicsurplus.com) that was described like an EBay for public surplus items.

Motions: Council Member Miller motioned to approve the consent agenda.

Council Member Rowley seconded the motion.

**Roll Call:**

Council Member Broadhead	Aye
Council Member Miller	Aye
Council Member Montoya	Aye
Council Member Rowley	Aye
Council Member Mecham	Aye

Motion passes 5-0

## PUBLIC FORUM

Mayor Hunsaker explained to the public the protocol for the public forum. He said it would be 30 minutes in duration with eight speakers. As such, each speaker would get less than five minutes so Mayor Hunsaker asked each speaker to be respectful with their time so others would be able to speak as well.

Helen Kester had concerns with agenda items 9d and 9e, which are rezones. She is concerned about the growth that each rezone represents. Helen mentioned that the grocery store, roads, and the new traffic light, have already increased the traffic. She is concerned that the higher density housing proposed behind the grocery store will add to the traffic problem. She stated that putting up higher density housing does not provide anything useful to the city. Instead, it is only an opportunity the developers and property owners to make a profit. The area around 4<sup>th</sup> East is currently a quiet neighborhood and Helen would like for it to stay that way.

Shanna Stilson expressed her appreciation for the City Council but also wanted to express her concern about agenda items 9d and 9e. Shanna stated that she was there in front of the council as a neighbor, friend, and as a concerned citizen. Shanna was present at the planning commission and was grateful that they listened to the public and gave a negative recommendation to the city council. The whole argument behind these rezones in 9d and 9e are that they provide a buffer between single-family residential areas and the new grocery store commercial area. In Orem, there are high density residential buffer zones and that they work well for a larger city where there is demand, but Shanna stated that she does not think there is such a need here in Santaquin. She passed out to the council maps of areas where there are no high-density buffers between commercial and residential where it works and looks great (include maps in the minutes). Shanna said that high density residential is a short-term gain for a long-term liability and that such zoning might be more appropriate in other areas of the community like Summit Ridge where it is a blank canvas and where there is more room for future planning. Her concerns are 1) that Planning Commissioner Tolman stated that she is worried that the council feels obligated to the developer to push this zone change through, 2) this last election showed that citizens feel that a larger tax base is needed in order to afford greater city amenities, 3) this would do away with a chunk of prime C-1 commercial zoning to could bring in that tax revenue to the city, 4) this high density buffer is not responsible growth, 5) she questioned whether this rezone will benefit citizens rather than just the developers, and 6) there is already a traffic issue on 400 East and this rezone will not help.

Paola Kitchen started her comments by stating she was a big advocate against the proposed Recreation Center for monetary reasons – not because she was against community, or fun, or any of that, but just for monetary reasons. Paola read aloud the results of the recent bond election and asked the council to listen to that sentiment and let go of the Ercanbrack property. Paola thanked the planning commission for listening to the community and for providing the negative recommendation to the city council regarding zone changes. Paola wanted to address agenda items 9b, 9d, and 9e. In terms of item 9b, which is the discussion on the Ercanbrack property, she hopes that the city council understands that the public does not feel financially ready to take on the financial burden of a project as large as a recreation center. Regarding item 9d and 9e, Paola spoke to the residents of the trailer parks and wanted the council to know that they are good people who work in the city's orchards, which are integral to the community.

Taylor Larsen said to the council that she grew up in Santaquin and that she and her husband recently bought their home in the city. Taylor wanted to speak regarding item 9b, 9d, and item 9e. She thinks that the city needs to let the Ercanbrack property go. She does not believe it will be useful to the city and if possible the property should be zoned commercial. For item 9d, she did not think that there needs to be high density residential after seeing the residential area behind Payson

Market. She has heard that there will be a wall put up as a buffer behind the new grocery store loading bays and the residential area behind it, which will be sufficient. Regarding item 9e, she did not believe that it should be zoned MSR because MSR is supposed to be a block from Main Street, not two or three blocks. Taylor said she believes that property owners have the right profit from their own land but that the council needs to keep in mind that it should be developed responsibly. Regarding the Heelis development, Taylor does not think it should be zoned MSR because it is also more than a block from Main Street.

Suzy Loftgren spoke regarding item 9c. She lives on the street where the three homes are being proposed on a single lot with only a single access road. She stated that the street is a dead end street and adding three more homes will add a substantial amount of traffic that would be a potential hazard for the children who currently live on the street. She said she would be okay with one or two more homes but three is too many for the lot space.

Stacia Cook came to speak about item 9c. She also lives on the street where the proposed three lots development is taking place. She said that it is a short street and she does not think there is enough room for more cars. The owners of the adjacent farm property have stated that as long as they live there. She said that since, there will not allow a through street to be built, adding these three lots will just add danger to her children; especially to her child who has down syndrome who often runs into the street without knowing what he is doing.

Christopher Williams spoke and stated that he recently moved to Santaquin and wanted to talk about item 9d and 9e. Chris is not in favor of high density residential and would prefer the property be used for commercial purposes. He thinks that the city has limited commercial space and that it should hold onto it for commercial purposes. Chris stated that he would like to see retail business to come into the commercial zones. He would also like the city to promote policies that would make it easier for businesses to come into the city.

Jackie Larsen stated that she agrees with all the statements that have been made thus far. She stated she hopes the council understands that the citizens who have spoken do not want to have high density built on every spare piece of land. Jackie does not think that high-density housing should be built in those proposed areas. She believes that there are other areas that would be better suited. Her kids walk to Family Dollar along Main Street and does not want high-rise apartments to be all along those streets because she believes it would be a safety concern for because of increased traffic. She desires more single-family homes.

Summer Sanderson wanted to address the concern that the city feels like it owes to Mr. Ridley in terms of providing the high-density zoning. She thinks that commercial zones are important to hold on to.

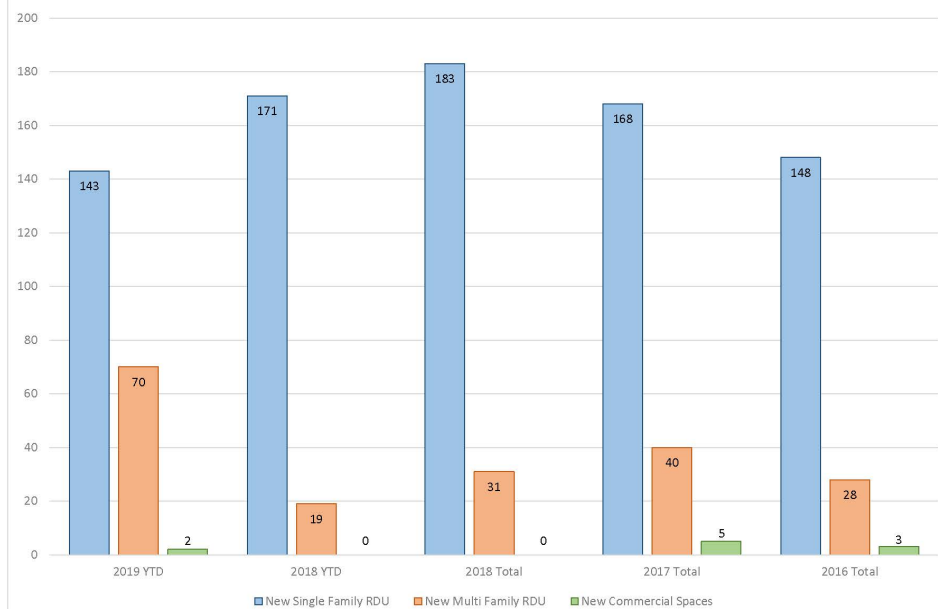
## BUSINESS LICENSES

Jason Bond talked about new business licenses, China Express will be staying in Santaquin and expanding to Payson as well. The other two are residential businesses.

### New Business Licenses

Name	Owner	Address	Description	BL#
China Express 2 LLC	Xiu Luo	27 W. Main St.	Ownership Change	BL-4475
Just Floor It, LLC	Justin Hair	477 Firestone Dr.	Flooring Installation	BL-4476
Envision Writing Studio	Shellie Peterson	1364 Ridgeway Rd.	Freelance Writing	BL-4477

### Building Permit Report November 19, 2019



## NEW BUSINESS & ADOPTION OF ORDINANCES AND RESOLUTIONS

*Resolution 11-03-2019 "A Resolution Approving an Addendum to the Solid Waste and Recycling Services Agreement with Republic Services, Inc."*

Reece DeMille from Republic Services spoke to the city council requesting an extension the contract for solid waste and recycling services. He reviewed the proposed addendum to the contract that would extend the term for another 5 years with new pricing, add an annual pricing escalator tied to the Garbage & Trash CPI versus CPI-U , and provide a fuel recovery fee based on the price of fuel with a baseline of \$3.00. He addressed concerns about recycling and reviewed the state of recycling locally and nationally.

Council Member Broadhead wanted to remind the council about the city's \$21,000 debt that would be waived under the terms of this renewal and asked staff to explain that issue. City Manager Reeves explained that under normal operations, Santaquin's solid waste is taken by Republic Services to the Payson Landfill whereupon Payson City bills Santaquin City. However, at the end of a shift or on holidays when the Payson Landfill is closed, Republic Services delivers Santaquin's solid waste to the Springville Transfer Station. Unfortunately, the billings for the tipping fees at the Transfer Station were sent to, and were paid by, Republic Services and not by Santaquin City. Many months/years past before Republic Services recognized their billing error. Once discovered, the estimated error resulted in a \$21,000 amount owed to Republic Service from Santaquin City. However, Republic Services offered to waive this bill if Santaquin City would consider a contract renewal.

Council Member Broadhead asked City Manager Reeves if the contract should be put out to bid since standard policy was to rebid contracts every 5 years to insure the lowest possible market prices. City Manager Reeves responded that it has been 2.5 years since the last contract renewal took place and that our current contract would expire in June of 2020. He said that since it was within the 5-year window, it would be up to the council if they wanted to go out to bid or renew the contract as proposed.

Council Member Mecham stated that the city might come out ahead if it were to bid the service and the resulting bid came in 10 cents cheaper per can over that five year period; even if the city needed to pay the \$21,000 obligation. Reece DeMille stated that would be true if the price of service went down with a bidding process. However, he said that the last city to request bids ended up paying more than their previous contract. They ended up coming back to Republic Services to see if they would honor their previous contract price. He said that it does not always work in favor of the city when a service contract goes out to bid.

Council Member Miller recommended that the council stay with Republic Services. Council Member Miller stated that our previous open bid process 2.5 years ago was sufficient that the city received a very good price from Republic Services at that time. He stated that he is satisfied with their service.

Council Member Montoya was concerned with the proposed change from using the CPI-U to Garbage and Trash CPI, which may result in a more volatile price escalation that would be difficult to budget. Reece DeMille said if it would help, Republic Services could establish a flat price escalation that would be the same every year. The average price increase using the Garbage and Trash CPI index is 3.3% but that he could offer a flat 3% annual increase to the city, which would remove the volatility and make it easier for budgeting purposes.

Motion: Council Member Broadhead motioned to approve Resolution 11-03-2019 “A Resolution Approving an Addendum to the Solid Waste and Recycling Services Agreement with Republic Services, Inc.” with the establishment of a flat 3% annual price escalator offered by Reece DeMille, representative from Republic Services.

Seconded by Council Member Miller.

Roll Call:

Council Member Broadhead	Aye
Council Member Miller	Aye
Council Member Montoya	Aye
Council Member Rowley	Aye
Council Member Mecham	Nay

Motioned passed 4-1

*Discussion and Possible Action Regarding the Ercanbrack Property Acquisition Agreement (580 W. Main Street)*

City Manager Reeves stated that it is the city’s duty to take action regarding the Ercanbrack Property Option Agreement, which does not end until March 2020. He explained that the city council has two options. The first is to immediately terminate the agreement and thus save \$15,000 per month for the next four months. Alternatively, the city could move forward to acquire the building using alternative funding. He explained that continuing under the current Ercanbrack Purchase Option Agreement without an intent to purchase the property would result in a loss of \$60,000 unnecessarily regardless of the fact that the city has paid \$105,000 to date for the option to purchase the property which is now a “sunk cost”.

Council Member Broadhead asked if the parcel would have to be sub-divided if acquired. City Manager Reeves indicated that it was already divided according to the Utah County Parcel Map.

Council Member Miller stated it was a great location, that it would have been a great recreation center, and that it could be a great location for a new city hall, but he thinks it is time to end the agreement based upon the vote of the people. Mayor Hunsaker seconded Council Member Miller’s comments and stated he hoped that the staff and council remained resilient even with the loss of the election. He opined that this property would have solved a number of problems but it is not in the budget without voter approval.

Council Member Mecham stated that this property would have been great for the community. He said that our recreation department is currently at capacity. He hopes that a new solution can be brought forward to provide more gym space and indoor programming space.

Council Member Rowley stated that the council, veterans, and seniors are bursting at the seams and need space. She hopes that a new solution can be found to solve this issue.

Council Member Broadhead wanted to know why the city could not use gym space in the Payson Middle School and Payson High School considering Santaquin students attend there. City Manager Reeves said that this is an idea that could be discussed with Nebo School District in the future.

Motion: Council Member Broadhead motioned to discontinue the agreement with Mr. Ercanbrack and discontinue paying the \$15,000 monthly for the proposed Recreation Center

Council Member Miller seconded the motion.

Roll Call:

Council Member Broadhead	Aye
Council Member Miller	Aye
Council Member Montoya	Aye
Council Member Rowley	Aye
Council Member Mecham	Aye

The motion passed 5-0

*Discussion and Possible Action Regarding Special Approval for Lots to be Developed on a Single Access that is Over Five Hundred Feet (500') - Derek Palfryman (Approximately 200 E. 820 S.)*

Community Development Director Bond explained to the council that a recent ordinance was passed that amended the city code to could allow special council approval of lot development along a single access road further than 500 feet. Bond reviewed the changes per Ordinance 09-02-2019.

Council Member Broadhead said he understands the concerns of the residents since he lives on a dead-end street with 12 homes with a number of children, but he noticed that residents tend to drive more carefully on dead-end streets. The previous council denied the current property owners development rights based upon the old code, but with the new code (*as outlined in the referenced ordinance*), he cannot justifiably find a reason to deny the request other than the neighbors do not like it.

Council Member Broadhead asked if there have ever been any water quality concerns. Stacia Cook stood up from the public and stated that she lives on that dead-end and her neighbors had their sewer back up twice. City Engineer Beagley stated that sewer issues did not pertain to the culinary water discussion. He noted that water quality issues, in relation to single access roads, had more to do with a dead end water line and possible stagnation. However, additional homes would increase water flow and would actually help with the water quality.

Council Member Miller asked why the original ordinance was passed to restrict development on a single access to a maximum of 10 lots. Community Development Director Bond responded this had to do with fire department recommendations and international fire code standard at that time. However, current international fire code standards allows for 30 units. Santaquin City standards are based less on the number of units, rather they are based upon linear distance of the access along with utility looping.

Council Member Montoya said she was not confident that 3 homes could be placed on the proposed lot with adequate space for a fire department turn-around. Community Development Director Bond said that two lots could be built and the developer's engineer would need to illustrate that a third lot could be developed taking into consideration the fire department turn around requirements and lot size requirements per city code.

Council Member Broadhead asked if the current turn-around bubble in the street was at the 500-foot requirement and if that was its original purpose. Director Bond indicated that this appeared to be the case.

Council Member Broadhead said that he did not see how the council could go against their own ordinance seeing as they had passed all of the requirements of the ordinance and met the approval of the City Engineer, Community Development Director, Fire Chief and Police Chief.

#### Recommended Motion:

Motion: Council Member Mecham motioned to approve request from Mr. Palfryman to allow for the subdivision of his property providing for additional units so long as those lots meet city code and standards.

Council Member Broadhead seconded the motion.

#### Roll Call:

Council Member Broadhead	Aye
Council Member Miller	Nay
Council Member Montoya	Nay
Council Member Rowley	Aye
Council Member Mecham	Aye

The motion passed 3-2

*Ordinance 11-02-2019 The Proposed Orchard Vista Rezone that Would Change the Zoning of Approximately 5.76 Acres From Interchange Commercial (C-1) Zone to Main Street Residential (MSR) Zone (Approximately 200 N. 450 E. – North)*

Community Development Director Bond showed the proposed concept plan for the high-density residential units proposed. Community Development Director Bond stated that the developers met the open space requirements and the enhanced parking requirements. He explained that in Concept B there is connectivity to the roads to the south through the Ace Hardware parking lot where there is no such connectivity in Concept A. Community Development Director Bond stated that the recommendation from planning commission was against the rezoning and proposed development.

Council Member Miller said he recalled the corridor along Main Street and 400 East has been recommended for high-density dwelling units by the planning commission in previous meetings. Council Member Miller said he felt that the council had been careful with this issue regarding placement of high-density housing and had even put a hold on building high-density housing until the planning commission decided where high density should be located. He said that he now feels like the planning commission was throwing the council under the bus after receiving pressure from the public during their recent public hearing.

Council Member Montoya stated that she agreed that the proposed plan does make sense for the rezone and that the area behind the grocery store does not make sense for commercial businesses because of the lack of visibility that will to help keep those businesses viable. She continued her comments in relation to the traffic issues and stated that the city is restricted by Main Street because it is a UDOT Highway so it is not up to the city where they can put in a stop light to help alleviate the traffic along 400 East.

Council Member Miller then asked if this action can go back to the planning commission. Community Development Director Bond stated that if the rezone was approved, then the development would follow the standard development process which includes a review by the planning commission. However, rezoning is a legislative decision made by the city council. City Manager Reeves stated that it would be helpful for the motion to include specific conditions of approval such as a requirement for a development agreement, which could include enhanced development requirements.

Council Member Broadhead referred to a comments made during the public forum about Main Street Residential zone (MSR) being one block away from Main Street not two or three – so is this spot zoning and why should the council consider the MSR zone 2 blocks away from Main Street? City Manager Reeves responded that this goes back to Council Member Miller's comments regarding the planning commission's decisions to perpetuate the MSR as a buffer zone along this development as it has been used in the past for this purpose along Main Street.

City Manager Reeves then showed a map of Parcel Tax Values using a 3D GIS mapping tool and illustrated the community wide financial benefit of the proposed project. He visually illustrated the issues related to urban sprawl, which pushes residential further and further out where the furthest homes are the most expensive for cities to provide services. He then showed visually how keeping development in a centralized location pays for itself in terms of infrastructure cost reduction because it brings in higher property tax per square foot than urban sprawl. City Manager Reeves then brought up a GIS map of public safety calls made within Santaquin City in 2018. He stated that he previously believed that perceptionally speaking, the more dense the development the more calls for public safety services there would be. However, the data illustrates that there is no more burden on public safety in the city center in these more dense areas than there is in Summit Ridge or any other area in the city. Presumably, this is because younger families are moving into those units and they have less of a demand for public safety services than an older less healthy population. These public safety facts, along with the higher revenue per square foot, brings a true economic justification to allow for higher density in the city's center area, within a walkable area to local businesses. City Manager Reeves continued by stating that there obviously needs to be a balance between high-density and single-family homes. However, the concept that all higher density developments are bad is proven to be incorrect with these models. Furthermore, we as a community want our children and grandchildren to live near us. However, it has become unaffordable for them to do so in many cases unless we have a balanced stock of housing options within our community that offers more affordable homes in the overall mix. The truth is that nobody wants high density in their own backyard, but it needs to happen to keep that balance. City Manager Reeves recommended the city council and planning commission consider a full general plan update next year utilizing a 3<sup>rd</sup> party contractor to facilitate the discussion to answer the questions of where it makes most sense for the construction of higher-density housing within our community.

Council Member Broadhead said his issue was not with the general concept of higher-density, but was with 400 East itself, which already has traffic backup issues plus a potential High School and Junior High School in the future. Council Member Broadhead said we need to think about widening 400 East. City Manager Reeves stated that it is his understanding that the proposed development would widen 400 East.

Referencing Senate Bill 34 passage in March of 2019, Mayor Hunsaker said that it should be mentioned that efforts from the state legislature are mandating affordable housing plans for Utah cities. There is a political effort at the state that state funding such as sales tax revenue may be withheld if we do not have affordable housing plans. He said that this point should be laid out for the public to understand.

Council Member Miller asked if the rezoning in this area could become a PUD. Director Bond stated that the developer had requested a change to the MSR zone, which does not allow for a PUD. City Manager Reeves said that the council could condition their rezone on the mutual acceptance of a property development agreement, which would act very similar to the negotiations of a PUD. Manager Reeves said that a development agreement could establish amenities and cap the number of units. He also reminded the council that there is the caveat that the developments would have to be able to pay for those amenities, which in the end, raises the cost per unit to the end buyer. City Manager Reeves stated that the people who would buy these future homes, are good people. They are our own kids, who are not able to afford a single family home.

Council Member Mecham said that this development will affect him too (*since he lives on 400 East*) but he thinks about his own kids. He shared that one of his kids is in his 30's and only recently bought his first home. He has another child in his late 20's and still cannot buy a home.

Council Member Miller asked if the rezone would include a development agreement. Council Member Broadhead said he would like to see the zone changed to a PUD and not MSR and asked City Attorney Rich if they could apply base zoning to do what they wanted in the area. City Attorney Rich said that if that were to be the case then the ordinance would be contingent on a development agreement. He said that contingent zoning is unusual, but that it is a way the council could proceed.

Council Member Broadhead asked if staff could come back with another recommendation for zoning and Council Member Montoya asked if they were limited by what was already in place with the Ridley's agreement. City Engineer Beagley stated that it would have to be added as an addendum or a new agreement would have to be put into place. Council Member Montoya asked if they could hold the developers to a number of units or if they are empowered by the zoning and have free reign on the number of units per the zoning laws. City Manager Reeves said that the number of units would be contingent on a development agreement. City attorney Rich said that to be clear if the council adopts this ordinance then they are changing to the MSR zone, but that they would be doing so contingent on the acceptance of a mutually beneficial development agreement. Community Development Director Bond clarified that if the council wants an entirely different zone, then they should not adopt this ordinance as written.

Motion: Council Member Montoya motioned to approve Ordinance 11-02-2019 "The Proposed Orchard Vista Rezone that Would Change the Zoning of Approximately 5.76 Acres from Interchange Commercial (C-1) Zone to Main Street Residential (MSR) Zone providing for severability, scrivener's errors, codification", and made it subject to approval of a development agreement by November 20<sup>th</sup>, 2020.

Council Member Mecham seconded the motion.

Roll Call:

Council Member Broadhead	Nay
Council Member Miller	Aye
Council Member Montoya	Aye
Council Member Rowley	Nay
Council Member Mecham	Aye

The motion passed 3-2

Mayor Hunsaker called for a 5-minute break.

*Ordinance 11-03-2019: The Proposed Heelis Farms Rezone That Would Change the Zoning of Approximately 3.91 Acres of Property From R-10 Residential Zone to R-8 Residential Zone and Main Street Residential (MSR) Zone (Approximately 200 N. 450 E. – South)*

Community Development Director Bond informed the council that this proposed Heelis Farms development exceeds the parking requirements as laid out in city code and the planning commission gave a negative recommendation for the rezoning to MSR. He explained that the planning commission would be satisfied if the property were zone to R-8 or R-10 in its entirety instead of MSR. He stated that this agenda item is similar to the last proposal in terms of zoning and development in this area of the city.

Council Member Broadhead asked if the whole area would be rezoned. Community Development Director Bond responded that it would be split between R-8 and MSR zones.

Council Member Miller asked if high density is allowed in R-8 and Community Development Director Bond explained that higher density PUDs are no longer allowed in the R-8 but is allowed in the R-10 zone as a PUD overlay.

Council Member Broadhead asked if there was a reimbursement agreement in the current agreement and Community Development Director Bond responded that there was a reimbursement in the current agreement for the 65-foot right of way, increase of 15-18 feet of curb, gutter, landscape, and asphalt.

Motion: Council Member Mecham motioned to approve Ordinance 11-03-2019, “The Proposed Heelis Farms Rezone That Would Change the Zoning of Approximately 3.91 Acres of Property From R-10 Residential Zone to R-8 Residential Zone and Main Street Residential (MSR) Zone providing for severability, scrivener’s errors, codification”, and made it subject to approval of a development agreement by November 20<sup>th</sup>, 2020.

Council Member Miller seconded the motion.

Roll Call:

Council Member Broadhead	Aye
Council Member Miller	Aye
Council Member Montoya	Aye
Council Member Rowley	Nay
Council Member Mecham	Aye

The motion passed 4-1

*Ordinance 11-04-2019: A Proposed Time Extension of the Summit View Communities Conditional Rezone (Approximately 600 N. SR-198)*

There has been a lot of effort from the developers to study and understand the complexities of this property. Due to geological reasons, changes to the design have been drafted and this effort has taken a considerable amount of time.

City Engineer Beagley said there is a requirement for hazard mitigation including finding fault lines. The developer discussed the fault lines found and the changes in development plans that had to occur due to the geo-tech hazard studies. Current engineering proposals and findings are being reviewed by the DRC right now. City Engineer Beagley said that his staff does not have the expertise

or time to re-engineer or re-study such issues. As such, they rely upon third party geo-technical studies. However, due to the amount of time involved, an extension of this conditional zoning is recommended by staff.

Motion: Council Member Montoya motioned to approve Ordinance 11-04-2019: A Proposed Time Extension of the Summit View Communities Conditional Rezone providing for changes in the document to 288 acres,” and subject to approval of a development agreement by November 20<sup>th</sup>, 2020.

Council Member Rowley seconded the motion.

Roll Call:

Council Member Broadhead	Aye
Council Member Miller	Aye
Council Member Montoya	Aye
Council Member Rowley	Aye
Council Member Mecham	Aye

The motion passed 5-0

## **REPORTS OF OFFICERS, STAFF, BOARDS, AND COMMITTEES**

*City Manager Reeves* – He wanted to remind the council that the first council meeting in December is cancelled due to the Employee Christmas Party. Council Member Rowley asked if the Angel Tree was up yet and City Manager Reeves said he would notify council when it would be put up. Manager Reeves indicated that the city would cut down the number of gifts in Christmas raffle this year due to public concerns expressed last year. However, he reminded the council that all raffle donations will go to a local family in need.

*Community Development Director Bond* – Nothing to report.

*City Engineer Beagley* – Nothing to report. He said that he is finishing up some construction projects before the winter season.

## **REPORTS BY MAYOR AND COUNCIL MEMBERS**

*Council Member Rowley* – Nothing to report.

*Council Member Montoya* – The youth council helped with the Veteran’s Day dinner, which was very well attended. The youth council is also helping with the parade of lights by putting flyers on residences to raise awareness and participation in the light parade. Scholarship for service on the youth council will be officially offered by Santaquin City through the Payson High School process.

*Council Member Miller* – Leisure Services Director John Bradley is working on a couple of grants. The first is a Utah Jazz grant to get a basketball court in Centennial Park. The second is a MAG grant to improve the City’s trail system and they will match up to \$150,000. The recreation department is working to design and build a maintenance shed for their equipment. In the December Santaquin Recreation Board Meeting, they will be discussing a new vision for what direction the city should follow now that there would not be a Recreation/Aquatics Center. Flag football is ending on the new fields, which have been used every day and the lights there are great. The Mt. Nebo Water

Agency meeting went well. Lastly the police department hired a new officer who starts on December 2<sup>nd</sup>. The candidate did very well in the interview process. The new officer is from Utah County so he is already trained and ready to go.

*Council Member Mecham* – He recommended that we need to raise the level of concern about and the Main Street traffic issues because waiting is not wise. The traffic on Main Street is huge concern as traffic backups for many blocks. If we wait, we are going to be in big trouble.

*Council Member Broadhead* – In 3 weeks, Council Member Broadhead indicated that he will have his surgery. As such, his last official Santaquin City Council Meeting is likely tonight. Last words of advice to the city council are that Santaquin City has great employees, so take care of them. He also recommended that the future city council keep a close eye on the community's water needs – "as big as we're growing we need all the water we can get."

*Mayor Hunsaker* – Nothing to report.

## **ADJOURNMENT**

At 9:09pm Council Member Broadhead moved to adjourn. Council Member Miller seconded the motion. The vote was as follows:

Council Member Broadhead	Aye
Council Member Miller	Aye
Council Member Montoya	Aye
Council Member Rowley	Aye
Council Member Mecham	Aye

The motion passed with a 5 to 0 vote.

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Kirk F. Hunsaker, Mayor

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K. Aaron Shirley, City Recorder



The meeting was called to order by Mayor Kirk Hunsaker at 6:00 p.m.

**Council Members Attending:** Mayor Kirk Hunsaker, Council Members Keith Broadhead, Nicholas Miller, Betsy Montoya, Chelsea Rowley, and Lynn Mecham

**Other's Attending:** City Manager Benjamin Reeves, Leisure Services Director John Bradley and City Attorney Brett Rich, Keith Evans, White Feather Rock Owners

**INVOCATION/INSPIRATIONAL THOUGHT**

No invocation or spiritual thought was given.

**EXECUTIVE SESSION** – To discuss the character, professional competence, or physical or mental health of an individual

Motion: Council Member Miller motioned to enter into an executive session.

Council Member Broadhead seconded the motion.

Roll Call:

Council Member Broadhead	Aye
Council Member Miller	Aye
Council Member Montoya	Aye
Council Member Rowley	Aye
Council Member Mecham	Aye

Motion passes 5-0

At the request of Council Member Miller, Mayor Hunsaker explained the purpose of an executive session to discuss confidential matter such as personnel issues. Where there is a possible action item on the agenda after the executive session, Mayor Hunsaker invited the public to remain if they desire.

Mayor Hunsaker invited the council, City Manager Reeves, City Attorney Rich and Leisure Services Director Bradley to the back conference room to conduct the closed meeting.

**NEW BUSINESS**

*Discussion and Possible Action Regarding Personnel*

No discussion nor action were taken

## ADJOURNMENT

At 10:47 pm, Council Member Rowley moved to adjourn. Council Member Montoya seconded the motion. The vote was as follows:

Council Member Broadhead	Aye
Council Member Miller	Aye
Council Member Montoya	Aye
Council Member Rowley	Aye
Council Member Mecham	Aye

Motioned passed	5-0
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The motion passed with a 5 to 0 vote.

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Kirk F. Hunsaker, Mayor

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Aaron Shirley, City Recorder

**SANTAQUIN CITY CORPORATION**  
**Invoice Register - 11/18/2019 to 12/13/2019 - All Invoices**

12/13/2019

<u>Invoice No.</u>	<u>Vendor</u>	<u>Check No.</u>	<u>Ledger Date</u>	<u>Due Date</u>	<u>Amount</u>	<u>Account No.</u>	<u>Account Name.</u>	<u>Description</u>
04-1695630	PAYSON MARKET		12/13/2019	12/13/2019	\$21.52			
					21.52	7540480	FOOD	FOOD FOR SENIOR CENTER
044242-12070	PETERSON TIRE OF SANTAQUIN (BI	79366	12/3/2019	12/3/2019	\$16.99			
					16.99	1054250	EQUIPMENT MAINTENANCE	FLAT TIRE REPAIR
044242-12310	Petersen Tire of Santaquin DBA Big O T	79365	12/9/2019	12/9/2019	\$42.00			
					42.00	1054250	EQUIPMENT MAINTENANCE	UTAH COUNTY EMISSIONS TE
052241864261	THE HARTFORD	9999	11/26/2019	11/26/2019	\$2,774.29			
					2,774.29	1022504	LIFE/ADD	Life, Add, LTD, Sup insurance N
0551304693	HONEY BUCKET	79176	11/19/2019	11/19/2019	\$105.00			
					105.00	6140630	FLAG FOOTBALL EXPENSE	FLAG FOOTBALL
0551313428	HONEY BUCKET	79176	11/21/2019	11/21/2019	\$75.00			
					75.00	1070300	BUILDINGS & GROUNDS MAI	WEEKLY SERVICING
0551347034	HONEY BUCKET		12/12/2019	12/12/2019	\$75.00			
					75.00	1070300	BUILDINGS & GROUNDS MAI	STANDARD UNIT WEEKLY SE
	<b>Vendor Total:</b>				<b>\$255.00</b>			
07-628734	PAYSON MARKET	79183	11/22/2019	11/22/2019	\$15.37			
					15.37	1043240	SUPPLIES	SODAS
07-640673	PAYSON MARKET	79364	12/4/2019	12/4/2019	\$47.91			
					47.91	1043480	EMPLOYEE RECOGNITIONS	Employee Lucheon Supplies
	<b>Vendor Total:</b>				<b>\$63.28</b>			
0864-001410142	REPUBLIC SERVICES LLC	79369	11/18/2019	11/18/2019	\$157.70			
					157.70	1062311	WASTE PICKUP CHARGES	NOVEMBER
0864-001411730	REPUBLIC SERVICES LLC	79407	12/12/2019	12/12/2019	\$387.45			
					387.45	1062311	WASTE PICKUP CHARGES	NOVEMBER
0864-001413036	REPUBLIC SERVICES LLC	79369	12/9/2019	12/9/2019	\$28,811.02			
					20,415.42	1062311	WASTE PICKUP CHARGES	WASTE
					8,395.60	1062312	RECYCLING PICKUP CHARGE	RECYCLING
	<b>Vendor Total:</b>				<b>\$29,356.17</b>			
099272	HACH COMPANY	79354	12/9/2019	12/9/2019	\$365.53			
					365.53	5240510	WRF - CHEMICAL SUPPLIES	WRF
1084678	BEST DEAL SPRINGS	79282	12/3/2019	12/3/2019	\$55.26			
					55.26	1060250	EQUIPMENT MAINTENANCE	COUPLER
110296	INTERMOUNTAIN SWEEPER CO	79178	11/20/2019	11/20/2019	\$299.71			
					299.71	1060250	EQUIPMENT MAINTENANCE	STREET SWEEPER
111	GREEN FX	79208	11/25/2019	11/25/2019	\$13,200.00			
					13,200.00	5740720	IMPACT FEE	33 GABIONS FOR CITY FENCE
11192019	HOME DEPOT	79175	11/19/2019	11/19/2019	\$287.60			
					287.60	7240240	SUPPLIES	PLYWOOD
112019	HEALTH EQUITY INC,	9999	12/5/2019	12/5/2019	\$6,334.38			
					491.23	1022503	HSA	Norm Beagley - Employer Contri
					100.00	1022503	HSA	Norm Beagley - Employee Contr
					491.23	1022503	HSA	Jason Bond - Employer Contribu
					266.68	1022503	HSA	Brandon Butler - Employer Conti
					364.91	1022503	HSA	Wade Eva - Employer Contributi
					300.00	1022503	HSA	Wade Eva - Employee Contributi
					491.23	1022503	HSA	Jon Green - Employer Contributi
					491.23	1022503	HSA	Ryan Harris - Employer Contribu
					339.87	1022503	HSA	Jon Hepworth - Employer Contri

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					364.91	1022503	HSA	Gregg Hiatt - Employer Contribut
					50.00	1022503	HSA	Gregg Hiatt - Employee Contribu
					339.87	1022503	HSA	Shannon Hoffman - Employer C
					240.00	1022503	HSA	Shannon Hoffman - Employee C
					252.46	1022503	HSA	Rod Hurst - Employer Contributi
					400.00	1022503	HSA	Rod Hurst - Employee Contributi
					491.23	1022503	HSA	Jon Lundell - Employer Contribut
					364.91	1022503	HSA	Kayson Shepherd - Employer C
					339.87	1022503	HSA	Aaron Shirley - Employer Contri
					100.00	1022503	HSA	Aaron Shirley - Employee Contri
					54.75	1043310	PROFESSIONAL & TECHNICA	HSA & FSA Admin Fees Novem
11212019	CENTURYLINK	79167	11/21/2019	11/21/2019	\$51.57			
					51.57	1051280	TELEPHONE	801-754-5165
11212019	SHEPHERD, KAYSON	79189	11/21/2019	11/21/2019	\$73.08			
					73.08	1054240	SUPPLIES	UNIFORM CLEANING
11212019B	CENTURYLINK	79167	11/21/2019	11/21/2019	\$0.41			
					0.41	1051280	TELEPHONE	801-754-3211
11212019C	CENTURYLINK	79167	11/21/2019	11/21/2019	\$92.06			
					92.06	1051280	TELEPHONE	801-754-5293
	<b>Vendor Total:</b>				<b>\$92.47</b>			
112204	SEMI SERVICE INC	79315	12/3/2019	12/3/2019	\$3,473.83			
					3,473.83	1060250	EQUIPMENT MAINTENANCE	SNOW PLOW
11252019	SKM INC	79213	11/25/2019	11/25/2019	\$4,709.53			
					4,709.53	5240550	WRF - EQUIPMENT MAINTEN	WRF
11252019	USDA FOREST SERVICE	79214	11/25/2019	11/25/2019	\$1,157.18			
					1,157.18	5140240	SUPPLIES	USDA FOREST SERVICE
12032019	DOMINION ENERGY INC.	79288	12/3/2019	12/3/2019	\$2,819.20			
					684.47	1051270	UTILITIES	1205 N CENTER
					154.23	1051270	UTILITIES	200 S 400 W
					388.76	1051270	UTILITIES	275 W Main Street
					711.47	1051270	UTILITIES	45 W 100 S
					414.29	1051270	UTILITIES	55 W 100 S
					137.29	1051270	UTILITIES	98 S CENTER STREET
					328.69	5240500	WRF - UTILITIES	1215 N Center St
12032019	GRANITE CONSTRUCTION COMPAN	79296	12/3/2019	12/3/2019	\$593.57			
					593.57	1060240	SUPPLIES	COMMERCIAL BASE
12032019	GREG'S DISTINCTIVE DECORATING	79297	12/3/2019	12/3/2019	\$6,549.10			
					6,549.10	1051480	CHRISTMAS LIGHTS	CHRISTMAS LIGHTS
12032019	K. SHAWN PATTEN, ATT. AT LAW	79303	12/3/2019	12/3/2019	\$1,316.68			
					1,316.68	1042331	LEGAL	ATTORNEY FEES
12042019	STRINGHAM'S HARDWARE	79378	12/4/2019	12/4/2019	\$1,568.17			
					262.36	1043240	SUPPLIES	ADMIN - SUPPLIES
					50.56	1048240	SUPPLIES	ENGINEERING
					20.48	1051300	BUILDINGS & GROUND MAIN	PUBLIC BUILDINGS
					5.49	1054240	SUPPLIES	POLICE
					29.94	1060250	EQUIPMENT MAINTENANCE	ROADS
					50.93	1060270	UTILITIES - STREET LIGHTS	STREET LIGHTS
					78.95	1068240	SUPPLIES	COMMUNITY DEVEOPMENT
					91.63	1070300	BUILDINGS & GROUNDS MAI	PARK
					14.99	1077300	BUILDINGS & GROUND MAIN	CEMETERY

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					273.20	5140240	SUPPLIES	WATER
					171.99	5240240	SUPPLIES	SEWER
					171.01	5240520	WRF - SUPPLIES	WRF
					55.90	6140241	SOFTBALL SUPPLIES	RECREATION - SOFTBALL SU
					92.89	6340240	SUPPLIES	MUSEUM
					119.45	7240240	SUPPLIES	LIBRARY
					41.94	7540240	SUPPLIES	SENIORS
					36.46	7657250	EQUIPMENT MAINTENANCE	FIRE
12052019	CENTRACOM INTERACTIVE	79345	12/5/2019	12/5/2019	\$2,614.13			
					2,614.13	1051280	TELEPHONE	TELEPHONE
12052019	SO UT VALLEY ANIMAL SHELTER	79374	12/5/2019	12/5/2019	\$150.00			
					150.00	1054350	UTAH COUNTY ANIMAL SHEL	DOG LICENSES
12062019	HOME DEPOT	79355	12/6/2019	12/6/2019	\$247.59			
					247.59	1070300	BUILDINGS & GROUNDS MAI	SIDING PANELING & WOOD S
12103	OUT BACK GRAPHICS, LLC		12/12/2019	12/12/2019	\$267.50			
					267.50	1043240	SUPPLIES	POLO SHIRTS/HOODIES/TEE
12122019	STAPLES ADVANTAGE DEPT LA		12/12/2019	12/12/2019	\$19.32			
					19.32	1043240	SUPPLIES	ADMIN SUPPLIES
12172	OUT BACK GRAPHICS, LLC		12/12/2019	12/12/2019	\$428.00			
					214.00	5140240	SUPPLIES	HOODIES
					214.00	5240240	SUPPLIES	HOODIES
1232019	ZIONS BANK - CASH	79278	12/3/2019	12/3/2019	\$6,550.00			
					6,550.00	1041610	OTHER SERVICES	CHECK FOR CASH GIFTS AT C
12601	SOUTH UTAH VALLEY SOLID WASTE	79375	11/18/2019	11/18/2019	\$1,722.25			
					1,722.25	1062312	RECYCLING PICKUP CHARGE	NOVEMBER
13121	BUSY BEE CONCRETE	79165	11/20/2019	11/20/2019	\$335.00			
					335.00	6140740	CAPITAL VEHICLE & EQUIPM	CONCRETE
1405929	POLYDYNE, INC	79184	11/18/2019	11/18/2019	\$3,213.79			
					3,213.79	5240510	WRF - CHEMICAL SUPPLIES	CLARIFLOC WE-1950
145349	POSTY CARDS	79212	11/25/2019	11/25/2019	\$132.50			
					132.50	1041610	OTHER SERVICES	CHRISTMAS CARDS
1483127	THATCHER COMPANY	79320	12/3/2019	12/3/2019	\$1,216.75			
					1,216.75	5240510	WRF - CHEMICAL SUPPLIES	T-CHLOR 12.5
1483146	THATCHER COMPANY	79320	12/3/2019	12/3/2019	(\$240.00)			
					-240.00	5240510	WRF - CHEMICAL SUPPLIES	CONTAINER REFUND
	<b>Vendor Total:</b>				<b>\$976.75</b>			
15214	UPPER CASE PRINTING	79322	12/3/2019	12/3/2019	\$3,922.38			
					3,922.38	5440240	SUPPLIES	NOVEMBER
15257	UPPER CASE PRINTING	79385	12/11/2019	12/11/2019	\$508.95			
					508.95	5440240	SUPPLIES	RECREATION FLYER & CITY N
	<b>Vendor Total:</b>				<b>\$4,431.33</b>			
1544-ID-358518	CARQUEST AUTO PARTS (ADVANCE	79166	11/21/2019	11/21/2019	\$75.97			
					75.97	7657250	EQUIPMENT MAINTENANCE	FIRE
155029-00	QUALITY TIRE	79185	11/19/2019	11/19/2019	\$677.52			
					677.52	1070250	EQUIPMENT MAINTENANCE	ALL-TERRAIN TIRES
1566570	UTAH LOCAL GOVERNMENT TRUST		12/13/2019	12/13/2019	(\$4,788.00)			
					-4,788.00	1022250	WORKMENS COMPENSATION	TRUST PREMIUM RELIEF CRE
1579104	UTAH LOCAL GOVERNMENT TRUST	79197	11/19/2019	11/19/2019	\$1,876.00			
					1,876.00	1043510	INSURANCE AND BONDS	BONDS

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1579105	UTAH LOCAL GOVERNMENT TRUST	79197	11/19/2019	11/19/2019	\$6,470.30			
					6,470.30	1022250	WORKMENS COMPENSATION	WORKERS COMP NOVEMBER
1579746	UTAH LOCAL GOVERNMENT TRUST		12/13/2019	12/13/2019	\$4,773.82			
					4,773.82	1022250	WORKMENS COMPENSATION	WORKERS COMP DECEMBER
	<b>Vendor Total:</b>				<b>\$8,332.12</b>			
16565293	DESERET BOOK COMPANY	79351	12/5/2019	12/5/2019	\$87.14			
					87.14	7240210	BOOKS, SUBSCRIPTIONS & M	Books
1705205	GRANITE CONSTRUCTION COMPAN	79207	11/25/2019	11/25/2019	\$572.03			
					572.03	1060240	SUPPLIES	COMMERCIAL BASE
1705259	GRANITE CONSTRUCTION COMPAN	79207	11/25/2019	11/25/2019	\$1,051.91			
					1,051.91	1060240	SUPPLIES	COMMERCIAL BASE
	<b>Vendor Total:</b>				<b>\$1,623.94</b>			
17-101	TOWN OF GOSHEN	79384	12/6/2019	12/6/2019	\$670.63			
					670.63	1022430	COURT FINES AND FORFEITU	NOVEMBER
17-107	UTAH STATE TREASURER	79386	12/6/2019	12/6/2019	\$6,698.13			
					6,698.13	1042610	STATE RESTITUTION	NOVEMBER
17-108	TOWN OF GENOLA	79383	12/6/2019	12/6/2019	\$3,787.65			
					3,787.65	1022430	COURT FINES AND FORFEITU	NOVEMBER
17-129	LARA, PEGGIE	79359	12/6/2019	12/6/2019	\$25.00			
					25.00	1042310	PROFESSIONAL & TECHNICA	INTERPRETER
1713290	GRANITE CONSTRUCTION COMPAN	79296	12/3/2019	12/3/2019	\$1,220.77			
					1,220.77	1060240	SUPPLIES	COMMERCIAL BASE
1870111	UTAH VALLEY FENCE		12/12/2019	12/12/2019	\$10,812.00			
					10,812.00	4140818	BALLFIELD FENCE REPLACE	2ND PAYMENT FOR FENCE
1911-110329	SPANISH FORK BUILDERS SUPPLY	79191	11/20/2019	11/20/2019	\$107.98			
					107.98	1070300	BUILDINGS & GROUNDS MAI	PLYWOOD
1911-110443	SPANISH FORK BUILDERS SUPPLY	79191	11/20/2019	11/20/2019	\$44.25			
					44.25	1070300	BUILDINGS & GROUNDS MAI	FURRING STRIP PREMIUM
	<b>Vendor Total:</b>				<b>\$152.23</b>			
193088	REC 1 (CIVIC PLUS - CIRILIAN, INC)	79367	12/10/2019	12/10/2019	\$100.00			
					1.04	6134235	UNIFORMS	REVERSIBLE JERSEYS
					11.65	6134450	YOUTH VOLLEYBALL	VOLLEYBALL
					30.04	6134470	KARATE	KARATE
					0.40	6134500	FOOTBALL REGISTRATION	FLAG FOOTBALL
					7.38	6134600	ADULT SPORTS	ADULT SPORTS
					9.10	6134650	WRESTLING	WRESTLING
					6.65	6134660	JR JAZZ	JR. JAZZ
					9.33	6134800	AEROBICS	AEROBICS
					7.50	6138900	UTAH COUNTY COMMUNITY	ORCHARD DAYS DONATION
					16.91	6140145	REGISTRATION SOFTWARE E	REGISTRATION SOFTWARE
19-354	FORENSIC NURSING SERVICES, INC	79172	11/21/2019	11/21/2019	\$130.00			
					130.00	1054311	PROFESSIONAL & TECHNICA	CASE NO. 19SQ03435
19-365	FORENSIC NURSING SERVICES, INC	79294	12/3/2019	12/3/2019	\$205.00			
					205.00	1054311	PROFESSIONAL & TECHNICA	DRUG TESTING
	<b>Vendor Total:</b>				<b>\$335.00</b>			
194455	REC 1 (CIVIC PLUS - CIRILIAN, INC)	79367	12/4/2019	12/4/2019	\$227.15			
					-0.05	6134320	TEEBALL REVENUE	T-BALL
					6.55	6134400	TUMBLING/GYMNASTICS	TUMBLING

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					-0.18	6134450	YOUTH VOLLEYBALL	VOLLEYBALL
					27.24	6134470	KARATE	KARATE
					-0.40	6134500	FOOTBALL REGISTRATION	FLAG FOOTBALL
					7.75	6134600	ADULT SPORTS	ADULT SPORTS
					0.75	6134650	WRESTLING	ADULT SPORTS
					162.20	6134660	JR JAZZ	ADULT SPORTS
					8.29	6134800	AEROBICS	ADULT SPORTS
					15.00	6138900	UTAH COUNTY COMMUNITY	ORCHARD DAYS DONATION
1949449	MOUNTAIN ALARM	79360	11/18/2019	11/18/2019	\$44.00			
					44.00	1051300	BUILDINGS & GROUND MAIN	NOVEMBER
19J0138	CHEMTECH-FORD, INC	79285	12/3/2019	12/3/2019	\$80.00			
					80.00	5240520	WRF - SUPPLIES	WRF
19J0552	CHEMTECH-FORD, INC	79285	12/3/2019	12/3/2019	\$80.00			
					80.00	5240520	WRF - SUPPLIES	WRF
19K0263	CHEMTECH-FORD, INC	79168	11/18/2019	11/18/2019	\$80.00			
					80.00	5240520	WRF - SUPPLIES	WRF
19K0652	CHEMTECH-FORD, INC	79168	11/18/2019	11/18/2019	\$100.00			
					100.00	5140310	PROFESSIONAL & TECHNICA	WATER
19K0654	CHEMTECH-FORD, INC	79285	11/25/2019	11/25/2019	\$80.00			
					80.00	5240520	WRF - SUPPLIES	WRF
19K1044	CHEMTECH-FORD, INC	79285	12/3/2019	12/3/2019	\$80.00			
					80.00	5240520	WRF - SUPPLIES	WRF
19L0210	CHEMTECH-FORD, INC	79346	12/11/2019	12/11/2019	\$20.00			
					20.00	5140310	PROFESSIONAL & TECHNICA	TESTING
19L0212	CHEMTECH-FORD, INC	79346	12/11/2019	12/11/2019	\$100.00			
					100.00	5140310	PROFESSIONAL & TECHNICA	TESTING
19L0351	CHEMTECH-FORD, INC	79346	12/11/2019	12/11/2019	\$50.00			
					50.00	5240520	WRF - SUPPLIES	WRF
19L0354	CHEMTECH-FORD, INC	79346	12/11/2019	12/11/2019	\$100.00			
					100.00	5140310	PROFESSIONAL & TECHNICA	
19L0357	CHEMTECH-FORD, INC	79346	12/11/2019	12/11/2019	\$100.00			
					100.00	5140310	PROFESSIONAL & TECHNICA	
	<b>Vendor Total:</b>				<b>\$870.00</b>			
2019-1958	ALL PRO SECURITY, LLC	79205	11/25/2019	11/25/2019	\$462.00			
					462.00	1042310	PROFESSIONAL & TECHNICA	2 APS Deputy Constables, SFO
2019-2044	ALL PRO SECURITY, LLC	79339	12/10/2019	12/10/2019	\$264.00			
					264.00	1042310	PROFESSIONAL & TECHNICA	2 APS Deputy Constables, SFO
	<b>Vendor Total:</b>				<b>\$726.00</b>			
212762	DIAMOND EVENT & TENT	79203	11/25/2019	11/25/2019	\$863.87			
					863.87	1041610	OTHER SERVICES	CHRISTMAS PART TABLES &
24 - 1993A Sewe	UTAH STATE DIVISION OF FINANCE	79198	11/21/2019	11/21/2019	\$34,000.00			
					34,000.00	522510.2	1993A Sewer Bond repaid	Principal - 1993A Sewer Bond
24109	NIELSEN & SENIOR, ATTORNEYS	79211	11/25/2019	11/25/2019	\$18,753.28			
					18,753.28	1042331	LEGAL	CRIMINAL
24110	NIELSEN & SENIOR, ATTORNEYS	79211	11/25/2019	11/25/2019	\$7,288.30			
					7,288.30	1043331	LEGAL	CIVIL
	<b>Vendor Total:</b>				<b>\$26,041.58</b>			
2438	ROCK MOUNTAIN TECHNOLOGY	79312	12/3/2019	12/3/2019	\$4,421.60			
					2,850.00	4340100	COMPUTER SUPPORT CONT	RMT Service Agreement

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					35.00	4340500	SOFTWARE EXPENSE	SPLASHTOP
					1,441.80	4340500	SOFTWARE EXPENSE	CLOUD BACKUPS
					94.80	4340500	SOFTWARE EXPENSE	MICROSOFT PLUS
2465	CARTERSON PUBLIC SAFETY GROU	79206	11/25/2019	11/25/2019	\$450.00			
					450.00	1054230	EDUCATION, TRAINING & TRA	KINESIC INTERVIEW PHASE I
248260	RON GORDON TIRE PROS	79313	12/3/2019	12/3/2019	\$502.00			
					502.00	5440250	EQUIPMENT MAINTENANCE	TIRES
249121	RON GORDON TIRE PROS	79371	12/11/2019	12/11/2019	\$1,404.00			
					1,404.00	5440250	EQUIPMENT MAINTENANCE	TIRES
	<b>Vendor Total:</b>				<b>\$1,906.00</b>			
2534517	MALLORY SAFETY & SUPPLY	79216	11/25/2019	11/25/2019	\$156.40			
					156.40	1054250	EQUIPMENT MAINTENANCE	SUPPLIES
26800	RED RHINO INDUSTRIAL	79368	12/11/2019	12/11/2019	\$48.15			
					48.15	4140701	RELOCATION TO PW BUILDIN	TRAILER REDECK
2760	BENNETT PAVING AND CONSTRUCTI	79281	12/3/2019	12/3/2019	\$22,025.00			
					22,025.00	4540301	500 WEST PROJECT	6' CHAIN LINK FENCE/RE-SOD
2831575	STRYKER MEDICAL - STRYKER SALE	79379	11/18/2019	11/18/2019	\$3,142.39			
					3,142.39	7657242	EMS - SUPPLIES	EMS SUPPLIES
288650	REDMOND MINERALS, INC	79186	11/18/2019	11/18/2019	\$569.76			
					569.76	1060240	SUPPLIES	SALT
288748	REDMOND MINERALS, INC	79186	11/20/2019	11/20/2019	\$594.00			
					594.00	1060240	SUPPLIES	SALT SUPPLIES FOR WINTER
289015	REDMOND MINERALS, INC	79311	12/3/2019	12/3/2019	\$1,146.00			
					1,146.00	1060240	SUPPLIES	SALT SUPPLIES FOR WINTER
289095	REDMOND MINERALS, INC	79311	12/3/2019	12/3/2019	\$572.64			
					572.64	1060240	SUPPLIES	SALT SUPPLIES FOR WINTER
	<b>Vendor Total:</b>				<b>\$2,882.40</b>			
3199611 RI	SKAGGS PUBLIC SAFETY UNIFORM	79202	11/18/2019	11/18/2019	\$118.00			
					118.00	1054240	SUPPLIES	UNIFORM
3205609 RI	SKAGGS PUBLIC SAFETY UNIFORM	79316	12/3/2019	12/3/2019	\$117.94			
					117.94	1054240	SUPPLIES	UNIFORM SUPPLIES
3207063 RI	SKAGGS PUBLIC SAFETY UNIFORM	79316	12/3/2019	12/3/2019	\$771.86			
					771.86	1054240	SUPPLIES	UNIFORM SUPPLIES
3208562 RI	SKAGGS PUBLIC SAFETY UNIFORM	79373	12/9/2019	12/9/2019	\$381.94			
					381.94	1054240	SUPPLIES	UNIFORM
	<b>Vendor Total:</b>				<b>\$1,389.74</b>			
327963	PAYSON AUTO SUPPLY - NAPA	79308	12/3/2019	12/3/2019	\$129.09			
					129.09	5140240	SUPPLIES	FREIGHT & STARTER ROPE
328269	PAYSON AUTO SUPPLY - NAPA	79363	12/4/2019	12/4/2019	(\$121.99)			
					-121.99	5240250	EQUIPMENT MAINTENANCE	SUPPLIES
329207	PAYSON AUTO SUPPLY - NAPA	79182	11/19/2019	11/19/2019	\$15.79			
					15.79	5140250	EQUIPMENT MAINTENANCE	AUXILIARY POWER OUTLET
329320	PAYSON AUTO SUPPLY - NAPA	79182	11/19/2019	11/19/2019	\$64.97			
					64.97	1060250	EQUIPMENT MAINTENANCE	UNIV FUEL PUMP/FITTINGS
329336	PAYSON AUTO SUPPLY - NAPA	79182	11/19/2019	11/19/2019	\$7.98			
					7.98	5140250	EQUIPMENT MAINTENANCE	CBC-30HB CIRBRKR
329876	PAYSON AUTO SUPPLY - NAPA	79182	11/19/2019	11/19/2019	\$96.99			
					96.99	1060250	EQUIPMENT MAINTENANCE	BATTERY

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330072	PAYSON AUTO SUPPLY - NAPA	79182	11/20/2019	11/20/2019	\$54.02			
					54.02	5240240	SUPPLIES	HYDRAULIC FILTER
330093	PAYSON AUTO SUPPLY - NAPA	79308	11/25/2019	11/25/2019	\$24.16			
					24.16	5240250	EQUIPMENT MAINTENANCE	DOOR HANDLE
330166	PAYSON AUTO SUPPLY - NAPA	79308	11/25/2019	11/25/2019	(\$43.49)			
					-43.49	5240250	EQUIPMENT MAINTENANCE	EXTERIOR DOOR HANDLE
330550	PAYSON AUTO SUPPLY - NAPA	79308	12/3/2019	12/3/2019	\$6.99			
					6.99	1060250	EQUIPMENT MAINTENANCE	AMG 100 FUSE
331507	PAYSON AUTO SUPPLY - NAPA	79363	12/6/2019	12/6/2019	\$10.21			
					10.21	5140250	EQUIPMENT MAINTENANCE	OIL FILTER/ VINYL FUEL TUBI
331519	PAYSON AUTO SUPPLY - NAPA	79363	12/6/2019	12/6/2019	\$26.01			
					26.01	1060250	EQUIPMENT MAINTENANCE	SPARK PLUG/PLUG END/COP
331551	PAYSON AUTO SUPPLY - NAPA	79363	12/6/2019	12/6/2019	\$12.92			
					12.92	1070250	EQUIPMENT MAINTENANCE	AIR FILTER
331554	PAYSON AUTO SUPPLY - NAPA	79363	12/6/2019	12/6/2019	\$1.69			
					1.69	5140250	EQUIPMENT MAINTENANCE	SPARK PLUG BOOT
331570	PAYSON AUTO SUPPLY - NAPA	79363	12/6/2019	12/6/2019	\$26.86			
					26.86	1077250	EQUIPMENT MAINTENANCE	OIL FILTER
331571	PAYSON AUTO SUPPLY - NAPA	79363	12/6/2019	12/6/2019	\$198.40			
					198.40	1060250	EQUIPMENT MAINTENANCE	OIL FILTER/FUEL FILTER/AIR F
331573	PAYSON AUTO SUPPLY - NAPA	79363	12/6/2019	12/6/2019	\$14.51			
					14.51	1060250	EQUIPMENT MAINTENANCE	OIL FILTER/HYDROLIC FLUID
331661	PAYSON AUTO SUPPLY - NAPA	79363	12/11/2019	12/11/2019	\$125.99			
					125.99	5440250	EQUIPMENT MAINTENANCE	BATTERY
331884	PAYSON AUTO SUPPLY - NAPA	79363	12/11/2019	12/11/2019	\$118.75			
					118.75	1077250	EQUIPMENT MAINTENANCE	BRAKE CLEAN/BULLY ALUM S
331885	PAYSON AUTO SUPPLY - NAPA	79363	12/11/2019	12/11/2019	\$42.45			
					42.45	1070250	EQUIPMENT MAINTENANCE	SUPPLIES
331955	PAYSON AUTO SUPPLY - NAPA	79363	12/11/2019	12/11/2019	\$60.44			
					60.44	1060250	EQUIPMENT MAINTENANCE	7 WIRE PLUG
332087	PAYSON AUTO SUPPLY - NAPA		12/12/2019	12/12/2019	\$136.99			
					136.99	1048260	FUEL	BATTERY
	<b>Vendor Total:</b>				<b>\$1,009.73</b>			
33708	TISCHNER FORD SALES, INC	79195	11/19/2019	11/19/2019	\$48.34			
					48.34	1043250	EQUIPMENT MAINTENANCE	OIL CHANGE/FILTER
3419	WILKINSONS TROPHY AND ATHLETI	79388	12/5/2019	12/5/2019	\$163.80			
					163.80	6140450	YOUTH VOLLEYBALL	MEDALS
3420	WILKINSONS TROPHY AND ATHLETI	79325	12/3/2019	12/3/2019	\$319.80			
					319.80	6140630	FLAG FOOTBALL EXPENSE	MEDALS FOR FLAG FOOTBAL
	<b>Vendor Total:</b>				<b>\$483.60</b>			
3430371247	STAPLES ADVANTAGE DEPT LA	79194	11/21/2019	11/21/2019	\$107.40			
					107.40	1043240	SUPPLIES	ADMIN
3430451052	STAPLES ADVANTAGE DEPT LA	79194	11/21/2019	11/21/2019	\$16.80			
					16.80	1043240	SUPPLIES	ADMIN
3430526790	STAPLES ADVANTAGE DEPT LA	79194	11/21/2019	11/21/2019	\$36.51			
					36.51	1043240	SUPPLIES	ADMIN
3430526791	STAPLES ADVANTAGE DEPT LA	79194	11/21/2019	11/21/2019	\$5.67			
					5.67	1043240	SUPPLIES	ADMIN

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3430824396	STAPLES ADVANTAGE DEPT LA	79319	12/3/2019	12/3/2019	\$13.62			
					13.62	1043240	SUPPLIES	ADMIN SUPPLIES
3430967375	STAPLES ADVANTAGE DEPT LA	79319	12/3/2019	12/3/2019	\$16.80			
					16.80	1043240	SUPPLIES	ADMIN SUPPLIES
3431074395	STAPLES ADVANTAGE DEPT LA	79319	12/3/2019	12/3/2019	\$6.73			
					6.73	1043240	SUPPLIES	ADMIN SUPPLIES
3432007504	STAPLES ADVANTAGE DEPT LA	79377	12/9/2019	12/9/2019	\$38.43			
					38.43	1043240	SUPPLIES	ADMIN SUPPLIES
	<b>Vendor Total:</b>				<b>\$241.96</b>			
3475	WILKINSONS TROPHY AND ATHLETI	79215	11/25/2019	11/25/2019	\$205.90			
					205.90	1041610	OTHER SERVICES	CITY COUNCIL GIFTS
35454	MITCHELL EXCAVATION INC	79210	11/25/2019	11/25/2019	\$7,345.00			
					7,345.00	5540200	SCADA SYSTEM	900 S 100 W INTERSECTION R
3632	PAYSON CITY SOLID WASTE		12/12/2019	12/12/2019	\$15,727.86			
					12,297.46	1062311	WASTE PICKUP CHARGES	NOVEMBER
					3,430.40	5240530	WRF - SOLID WASTE DISPOS	NOVEMBER
37162	FREEDOM MAILING SERVICES, INC	79217	11/25/2019	11/25/2019	\$938.96			
					938.96	1041615	SANTAQUIN CALENDAR	CALENDAR MAILING
37185	FREEDOM MAILING SERVICES, INC	79295	12/3/2019	12/3/2019	\$1,955.94			
					1,955.94	5240240	SUPPLIES	NOVEMBER
	<b>Vendor Total:</b>				<b>\$2,894.90</b>			
38536	JOHNSON TIRE SERVICE	79302	12/3/2019	12/3/2019	\$871.96			
					871.96	1068250	EQUIPMENT MAINT	TIRES
38546	JOHNSON TIRE SERVICE	79302	12/3/2019	12/3/2019	\$871.96			
					871.96	1068250	EQUIPMENT MAINT	TIRES
	<b>Vendor Total:</b>				<b>\$1,743.92</b>			
42470923	INGRAM BROOK GROUP	79177	11/19/2019	11/19/2019	\$17.98			
					17.98	7240210	BOOKS, SUBSCRIPTIONS & M	BOOKS
42472613	INGRAM BROOK GROUP	79177	11/19/2019	11/19/2019	\$238.22			
					238.22	7240210	BOOKS, SUBSCRIPTIONS & M	BOOKS
	<b>Vendor Total:</b>				<b>\$256.20</b>			
4336936	YELLOW PAGES UNITED	79201	11/21/2019	11/21/2019	\$396.00			
					396.00	1043210	BOOKS,SUBSCRIPTIONS,ME	FRIENDS OF SANTAQUIN
4387	TISCHNER FORD SALES, INC	79195	11/19/2019	11/19/2019	\$259.65			
					259.65	1043250	EQUIPMENT MAINTENANCE	FRONT SHAFT
45496	BLUELINE BACKGROUND SCREEN	79344	12/6/2019	12/6/2019	\$90.00			
					90.00	1043310	PROFESSIONAL & TECHNICA	DRUG TESTING
45638	INTERWEST SAFETY SUPPLY	79301	12/3/2019	12/3/2019	\$25.40			
					25.40	1060240	SUPPLIES	CENTER MOUNT DELINEATO
4747684	MALLORY SAFETY & SUPPLY	79216	11/25/2019	11/25/2019	\$86.40			
					86.40	1054250	EQUIPMENT MAINTENANCE	SUPPLIES
4748456	MALLORY SAFETY & SUPPLY	79305	12/3/2019	12/3/2019	\$75.97			
					75.97	1054240	SUPPLIES	DRUG TESTING KITS
	<b>Vendor Total:</b>				<b>\$162.37</b>			
4937	GREENHALGH CONSTRUCTION (KIR	79352	12/11/2019	12/11/2019	\$2,045.09			
					2,045.09	1060240	SUPPLIES	HAULING SALT FOR ROADS

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4938	GREENHALGH CONSTRUCTION (KIR	79352	12/11/2019	12/11/2019	\$2,080.00			
					2,080.00	1060240	SUPPLIES	SHOULDER ROADS
	<b>Vendor Total:</b>				<b>\$4,125.09</b>			
5099122	STAKER PARSON COMPANIES	79193	11/20/2019	11/20/2019	\$160.99			
					160.99	1060240	SUPPLIES	1/2 " ASPHALT
51350	UTAH LAKE DISTRIBUTING CO.	79196	11/21/2019	11/21/2019	\$2,212.50			
					2,212.50	5140253	WATER SHARE ASSESSMENT	63 SHARES
51351	UTAH LAKE DISTRIBUTING CO.	79196	11/21/2019	11/21/2019	\$1,407.50			
					1,407.50	5140253	WATER SHARE ASSESSMENT	40 SHARES
	<b>Vendor Total:</b>				<b>\$3,620.00</b>			
5138900	THE CHERRINGTON FIRM PLLC	79380	12/9/2019	12/9/2019	\$80.36			
					80.36	5138900	MISCELLANEOUS Water	DECEMBER
5238	ZIONS BANK PUBLIC FINANCE	79389	12/11/2019	12/11/2019	\$1,700.00			
					1,700.00	5840731	FIRE DISTRICT STUDY	PAYSON SANTAQUIN FIRE DIS
5423	UTAH COMMUNITY FOREST COUNCI	79323	12/3/2019	12/3/2019	\$300.00			
					300.00	1070305	ARBORTIST/LANDSCAPING	ARBORTIST
5555-413761	ROYAL WHOLESALE ELECTRIC - CO	79372	12/4/2019	12/4/2019	\$302.63			
					302.63	5140240	SUPPLIES	SUPPLIES
591903138-175	SPRINT SOLUTIONS, INC		12/12/2019	12/12/2019	\$242.70			
					34.64	1043280	TELEPHONE	NOVEMBER
					11.56	1060280	TELEPHONE	NOVEMBER
					11.56	1062280	TELEPHONE	NOVEMBER
					104.02	1068280	TELEPHONE	NOVEMBER
					11.56	1070280	TELEPHONE	NOVEMBER
					11.56	1077280	TELEPHONE	NOVEMBER
					34.68	1078280	TELEPHONE	NOVEMBER
					11.56	5140280	TELEPHONE	NOVEMBER
					11.56	5240280	TELEPHONE	NOVEMBER
5jk4o04-p	HEALTH EQUITY INC,	9999	12/5/2019	12/5/2019	\$2,838.22			
					2,838.22	1022502	FSA	Replenish for HCRA 11/4-12/2
6663014	ROCKY MOUNTAIN POWER	79406	12/12/2019	12/12/2019	\$1,676.35			
					1,676.35	4540300	SUMMIT RIDGE PARKWAY EX	SERVICE TO METERED LIGHT
68	PEN & WEB COMMUNICATIONS c/o P	79309	12/3/2019	12/3/2019	\$977.50			
					977.50	4340113	WEBSITE CONTENT MGT - PE	Social Media/Website Managem
7017763839	APPLIED INDUSTRIAL TECHNOLOGI	79341	12/11/2019	12/11/2019	\$573.21			
					573.21	5240550	WRF - EQUIPMENT MAINTEN	WRF
71000266	HENRY SCHEIN	79173	11/19/2019	11/19/2019	\$927.12			
					927.12	7657242	EMS - SUPPLIES	EMS SUPPLIES
71023039	HENRY SCHEIN	79173	11/19/2019	11/19/2019	\$33.75			
					33.75	7657242	EMS - SUPPLIES	EMS SUPPLIES
71230072	HENRY SCHEIN	79300	12/3/2019	12/3/2019	\$237.50			
					237.50	7657235	EMS - EDUCATION, TRAINING	EMS EAR SENSOR
71479621	HENRY SCHEIN	79300	12/3/2019	12/3/2019	\$237.50			
					237.50	7657242	EMS - SUPPLIES	EMS EAR SENSOR
	<b>Vendor Total:</b>				<b>\$1,435.87</b>			
72823	JMART PRINTING	79218	11/25/2019	11/25/2019	\$3,761.85			
					3,761.85	1041615	SANTAQUIN CALENDAR	CALENDARS
7327083-121648	COLONIAL LIFE &	79349	12/5/2019	12/5/2019	\$126.09			
					126.09	1022505	SUPPLEMENTAL	LIFE INSURANCE PREMIUM -

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8100257-02	INDUSTRIAL SUPPLY	79357	12/11/2019	12/11/2019	\$82.32			
					82.32	5240520	WRF - SUPPLIES	WRF
8105212023	SCHINDLER ELEVATOR	79314	12/3/2019	12/3/2019	\$3,347.90			
					3,347.90	1051300	BUILDINGS & GROUND MAIN	ELEVATOR MAINTENANCE
83 - 2011A-2 Se	UTAH STATE DIVISION OF FINANCE	79336	12/5/2019	12/5/2019	\$10,571.00			
					4,028.68	562540.2	2011A-2 Sewer Revenue Bond r	Principal - 2011A-2 Sewer Reve
					6,542.32	5640860	DEBT SERVICE - INTEREST	Interest - 2011A-2 Sewer Reven
841301202	THOMSON REUTERS - WEST	79321	12/3/2019	12/3/2019	\$364.00			
					364.00	1042210	BOOKS, SUBSCTIPTIONS & M	JUSTICE COURT SUBSCRIPTI
841436149	THOMSON REUTERS - WEST	79381	12/11/2019	12/11/2019	\$200.00			
					200.00	1054210	BOOKS, SUBSCRIPT, MEMBE	INFORMATION CHARGES
	<b>Vendor Total:</b>				<b>\$564.00</b>			
92980	ASPHALT MATERIALS INC	79280	12/3/2019	12/3/2019	\$299.70			
					299.70	1060240	SUPPLIES	ASPHALT MATERIALS
9314	ARCHIVESOCIAL, INC.	79279	12/3/2019	12/3/2019	\$2,388.00			
					2,388.00	4340114	SOCIAL MEDIA ARCHIVE SER	SOCIAL MEDIA ARCHIVING
9842725529	VERIZON WIRELESS	79324	12/3/2019	12/3/2019	\$43.93			
					43.93	1043280	TELEPHONE	ADMIN
9842792922	VERIZON WIRELESS	79387	12/9/2019	12/9/2019	\$1,047.34			
					600.15	1054340	CENTRAL DISPATCH FEES	TELEPHONE
					367.17	1054340	CENTRAL DISPATCH FEES	TELEPHONE
					80.02	1068280	TELEPHONE	TELEPHONE
9842976655	VERIZON WIRELESS	79324	12/3/2019	12/3/2019	\$46.10			
					46.10	1068280	TELEPHONE	ENGINEERING
	<b>Vendor Total:</b>				<b>\$1,137.37</b>			
BOND RELEASE	DEUEL, DALLIN	79287	12/3/2019	12/3/2019	\$11,961.50			
					11,961.50	1022450-202	(BOND) SECRET GARDEN ES	BOND RELEASE - SECRET GA
CC-NOV2019-AA	ZIONS BANK-SANTAQUIN		12/11/2019	12/11/2019	\$192.36			
					150.00	1043210	BOOKS,SUBSCRIPTIONS,ME	GFOA MEMBERSHIP DUES
					42.36	1043240	SUPPLIES	NOTARY JOURNAL
CC-NOV2019-A	ZIONS BANK-SANTAQUIN		12/12/2019	12/12/2019	\$8.04			
					8.04	6140650	WRESTLING	MOP TO CLEAN WRESTLING
CC-NOV2019-BE	ZIONS BANK-SANTAQUIN		12/11/2019	12/11/2019	\$3,540.09			
					13.00	1041240	SUPPLIES	BATTERIES FOR COUNCIL CH
					34.21	1041610	OTHER SERVICES	FOOD FOR 501C-3 MEETING
					41.60	1041610	OTHER SERVICES	SUPPLIES FOR 501C-3 MEETI
					962.22	1043230	EDUCATION, TRAINING AND T	CM CONFERENCE TRANSPOR
					79.00	1043230	EDUCATION, TRAINING AND T	CM CONFERENCE AIRPORT P
					740.18	1062240	SUPPLIES	MAGNETS FOR RECYCLING C
					1,472.15	4340200	DESKTOP ROTATION EXPENS	COMPUTERS FOR RECREATI
					97.74	4340200	DESKTOP ROTATION EXPENS	COMPUTERS FOR RECREATI
					99.99	4340500	SOFTWARE EXPENSE	ADOBE SOFTWARE
CC-NOV2019-C	ZIONS BANK-SANTAQUIN		12/11/2019	12/11/2019	\$453.44			
					150.00	7657246	EMERGENCY MANAGEMENT	UTAH EMERGENCY MANAGE
					15.56	7657246	EMERGENCY MANAGEMENT	SHIPPING ON CERT SUPPLIE
					287.88	7657246	EMERGENCY MANAGEMENT	CERT SUPPLIES
CC-NOV2019-JA	ZIONS BANK-SANTAQUIN		12/11/2019	12/11/2019	\$137.30			
					64.00	1068210	BOOKS, SUBSCRIPTIONS, ME	CERTIFICATE OF LICENSE RE
					64.00	1068210	BOOKS, SUBSCRIPTIONS, ME	CERTIFICATE OF LICENSE RE

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					9.30	1078240	SUPPLIES	TREATED USU REPS TO ICE C
CC-NOV2019-JA	ZIONS BANK-SANTAQUIN		12/11/2019	12/11/2019	\$349.87			
					22.94	1051300	BUILDINGS & GROUND MAIN	C7 BULBS FOR CHRISTMAS LI
					75.00	1070300	BUILDINGS & GROUNDS MAI	PESTICIDE WORKSHOP (AJ E
					25.00	5240230	EDUCATION, TRAINING & TRA	CERTIFICATION RENEWAL (PA
					206.55	5240550	WRF - EQUIPMENT MAINTEN	OIL FOR BLOWERS (WRF)
					20.38	5740720	IMPACT FEE	PROPANE FOR NEW ROAD RI
CC-NOV2019-JO	ZIONS BANK-SANTAQUIN		12/11/2019	12/11/2019	\$503.02			
					5.35	1041610	OTHER SERVICES	PARK GRAND OPENING
					147.60	1041610	OTHER SERVICES	PARK GRAND OPENING - FOO
					70.39	1041610	OTHER SERVICES	PARK GRAND OPENING - FOO
					45.00	6140450	YOUTH VOLLEYBALL	BRYAN SPORT SCHEDULING (
					9.68	6140630	FLAG FOOTBALL EXPENSE	BRYAN SPORT SCHEDULING (
					225.00	6340310	PROFESSIONAL & TECHNICA	MUSEUM - BAT REVIEW
CC-NOV2019-N	ZIONS BANK-SANTAQUIN		12/11/2019	12/11/2019	\$233.23			
					225.00	1048230	EDUCATION, TRAINING, TRAV	DREW HOFFMAN WATER CER
					8.23	1048230	EDUCATION, TRAINING, TRAV	DONUTS FOR MEETING
CC-NOV2019-R	ZIONS BANK-SANTAQUIN		12/11/2019	12/11/2019	\$1,279.74			
					107.24	1054210	BOOKS, SUBSCRIPT, MEMBE	MICROSOFT OFFICE 365 REN
					75.00	1054230	EDUCATION, TRAINING & TRA	BASIC CRIMINAL INVESTIGATI
					332.99	1054240	SUPPLIES	POCKETJET IN-CAR PRINTER
					186.54	1054240	SUPPLIES	HIGH VIS JACKET/DVD SLEEV
					253.76	1054240	SUPPLIES	TWO PAIRS OF 5.11 PANTS &
					174.23	1054250	EQUIPMENT MAINTENANCE	MIRACHEM GUN CLEANER 5
					149.98	1054250	EQUIPMENT MAINTENANCE	OEM TOOLS MOBILE PARTS
CC-NOV2019-RY	ZIONS BANK-SANTAQUIN		12/11/2019	12/11/2019	\$942.78			
					359.88	1054240	SUPPLIES	POLICE RADIO BATTERIES
					77.09	7657210	BOOKS, SUBSCRIPTIONS, ME	ADOBE PDF CONVERTER
					82.80	7657230	FIRE - EDUCATION, TRAINING	PARKING FOR NFA
					68.64	7657235	EMS - EDUCATION, TRAINING	CHALLENGE COINS NFA
					59.99	7657235	EMS - EDUCATION, TRAINING	DUTY BOOTS SHELBI
					43.54	7657242	EMS - SUPPLIES	PORTABLE SUCTION BATTERI
					68.64	7657242	EMS - SUPPLIES	CAR WASH BRUSHES
					59.99	7657244	UNIFORMS	DUTY BOOTS SHELBI
					160.00	7657244	UNIFORMS	EMS
					-59.99	7657244	UNIFORMS	CREDIT FOR RETURN OF DUT
					11.10	7657280	TELEPHONE	PREPAID WIRELESS CELL AM
					11.10	7657280	TELEPHONE	PREPAID WIRELESS CELL AM
CC-NOV2019-S	ZIONS BANK-SANTAQUIN		12/11/2019	12/11/2019	\$334.53			
					0.88	1041670	YOUTH CITY COUNCIL EXPE	POSTER BOARD FOR YOUTH
					203.08	1042230	EDUCATION, TRAINING & TRA	LODGING FOR TRAINING (LO
					77.05	1051240	SUPPLIES	CASE OF TOILET BOWL CLEA
					53.52	1051240	SUPPLIES	BLIND FOR FRONT OFFICE WI
CC-NOV2019-S	ZIONS BANK-SANTAQUIN		12/11/2019	12/11/2019	\$433.05			
					20.95	1051240	SUPPLIES	CLEANING SUPPLIES
					150.15	4340500	SOFTWARE EXPENSE	DROPBOX - CITY MANAGER
					150.15	4340500	SOFTWARE EXPENSE	DROPBOX - CITY MANAGER
					13.99	7657235	EMS - EDUCATION, TRAINING	EMT CRASH COURSE WITH O
					29.74	7657240	FIRE - SUPPLIES	SUSAN'S PURCHASE REPAID
					5.99	7657246	EMERGENCY MANAGEMENT	SUSAN'S PURCHASE REPAID
					62.08	7657246	EMERGENCY MANAGEMENT	EMERGENCY PREPAREDNES
CC-NOV2019-S	ZIONS BANK-SANTAQUIN		12/11/2019	12/11/2019	\$708.13			
					37.20	1041610	OTHER SERVICES	CITY CHRISTMAS PARTY & AN

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					18.76	1041610	OTHER SERVICES	BALLOONS FOR VETERANS D
					51.44	1041613	ELECTION	BREAKFAST FOR ELECTION
					37.98	1041613	ELECTION	LUNCH FOR ELECTION WORK
					46.44	1041613	ELECTION	DINNER FOR ELECTION WOR
					31.00	1041670	YOUTH CITY COUNCIL EXPE	DINNER FOR YOUTH COUNCI
					5.26	1041670	YOUTH CITY COUNCIL EXPE	DRINKS, CUPS, TAPE, FEBRE
					21.10	1041670	YOUTH CITY COUNCIL EXPE	SUPPLIES FOR YOUTH COUN
					9.96	1041670	YOUTH CITY COUNCIL EXPE	KITCHEN SUPPLIES & YOUTH
					44.94	1043240	SUPPLIES	KITCHEN SUPPLIES & YOUTH
					56.08	1043240	SUPPLIES	SUPPLIES FOR YOUTH COUN
					30.98	1043240	SUPPLIES	KETTLE
					109.60	1043240	SUPPLIES	DRINKS, CUPS, TAPE, FEBRE
					5.00	1043610	OTHER SERVICES	CHRISTMAS PARTY INVITES
					19.98	1043610	OTHER SERVICES	GIFT BASKET FOR UCMA - REI
					203.59	1043610	OTHER SERVICES	GIFT BASKET FOR UCMA - REI
					-21.18	1043610	OTHER SERVICES	RETURN
CC-NOV2019-W	ZIONS BANK-SANTAQUIN		12/11/2019	12/11/2019	\$135.34			
					13.52	1051240	SUPPLIES	SINK BRACKET
					-91.99	1051240	SUPPLIES	RETURN OF WINDOW SHADE
					22.61	1060250	EQUIPMENT MAINTENANCE	REESE TOWPOWER
					191.20	5140240	SUPPLIES	GLOVES
	<b>Vendor Total:</b>				<b>\$9,250.92</b>			
COMM38752019	EDUCATORS HEALTH PLANS LIFE, A	9999	12/5/2019	12/5/2019	\$47,094.61			
					43,135.71	1022500	HEALTH INSURANCE	Health Insurance Premium - Dec
					3,544.50	1022501	DENTAL	Dental Premium - December 20
					414.40	1022508	VISION	Vision - December 2019
E07559	MAGLEBY'S CATERING	79204	11/25/2019	11/25/2019	\$3,380.00			
					3,380.00	1041610	OTHER SERVICES	CHRISTMAS PARTY FOOD
EA893155	LES OLSON COMPANY	79180	11/21/2019	11/21/2019	\$472.22			
					472.22	4340300	COPIER CONTRACT	MPS SERVICE & SUPPLY BILLI
HOME DEPOT -	HOME DEPOT	79175	11/20/2019	11/20/2019	\$2,152.24			
					2,152.24	1070300	BUILDINGS & GROUNDS MAI	CONCRETE
HOME DEPOT 1	HOME DEPOT	79175	11/20/2019	11/20/2019	\$236.60			
					236.60	1070300	BUILDINGS & GROUNDS MAI	SUPPLIES
	<b>Vendor Total:</b>				<b>\$2,388.84</b>			
IN36664	EMERALD TURF FARM	79170	11/18/2019	11/18/2019	\$183.72			
					8.72	1043501	BANK AND SERVICE CHARGE	FINANCE CHARGE
					175.00	1077300	BUILDINGS & GROUND MAIN	KENTUCKY BLUEGRASS SOD
INV340109	L.N. CURTIS & SONS	79358	12/10/2019	12/10/2019	\$648.00			
					648.00	7657250	EQUIPMENT MAINTENANCE	HELMETS
INV340246	L.N. CURTIS & SONS	79358	12/10/2019	12/10/2019	\$243.50			
					243.50	7657250	EQUIPMENT MAINTENANCE	FIRE SUPPLIES
	<b>Vendor Total:</b>				<b>\$891.50</b>			
KHKD98	SPRINKLER WORLD - PAY STANDAR	79317	12/3/2019	12/3/2019	\$10.00			
					10.00	1043240	SUPPLIES	CHRISTMAS LIGHTS
OD19421A	MY CITY CHAMBER	79362	12/4/2019	12/4/2019	\$14,990.82			
					14,990.82	6240610	SANTAQUIN DAYS AD BOOKL	AD BOOK
P16478	ROCKY MOUNTAIN TURF - RMT EQUI	79188	11/18/2019	11/18/2019	\$32.08			
					32.08	1070250	EQUIPMENT MAINTENANCE	EQUIPMENT MAINTENANCE
PC-11122019	ADCOCK, ARTHUR LEE	79338	12/11/2019	12/11/2019	\$25.00			
					25.00	1078310	PROFESSIONAL & TECHNICA	PLANNING COMMISSION 11-1

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PC-11122019	COLSON, PAMELA	79350	12/11/2019	12/11/2019	\$25.00			
					25.00	1078310	PROFESSIONAL & TECHNICA	PLANNING COMMISSION 11-1
PC-11122019	GUNNELL, BRADLEY DON	79353	12/11/2019	12/11/2019	\$25.00			
					25.00	1078310	PROFESSIONAL & TECHNICA	PLANNING COMMISSION 11-1
PC-11122019	SPERRY, TODD & MICHELLE	79376	12/11/2019	12/11/2019	\$25.00			
					25.00	1078310	PROFESSIONAL & TECHNICA	PLANNING COMMISSION 11-1
PC-11122019	TOLMAN, JESSICA	79382	12/11/2019	12/11/2019	\$25.00			
					25.00	1078310	PROFESSIONAL & TECHNICA	PLANNING COMMISSION 11-1
PER DIEM - 1125	MONTOYA, BETSY	79219	11/25/2019	11/25/2019	\$104.20			
					104.20	1041230	EDUCATION, TRAINING & TRA	ULCT - NORTH SALT LAKE - E
PER DIEM - 1126	BOWMAN, JENNIFER	79284	11/26/2019	11/26/2019	\$104.20			
					104.20	1041230	EDUCATION, TRAINING & TRA	ELECTED OFFICIALS ESSENT
PER DIEM - 1126	HATHAWAY, DAVID	79299	11/26/2019	11/26/2019	\$104.20			
					104.20	1041230	EDUCATION, TRAINING & TRA	ELECTED OFFICIALS ESSENT
PR112319-13093	NEBO LODGE #45	79330	11/27/2019	11/27/2019	\$18.00			
					18.00	1022425	FOP DUES	FOP Dues (Nebo Lodge #45)
PR112319-266	SANTAQUIN CITY UTILITIES	79331	11/27/2019	11/27/2019	\$940.00			
					690.00	1022350	UTILITIES PAYABLE	Utilities
					250.00	1022350	UTILITIES PAYABLE	Cemetery
PR112319-361	UTAH STATE TAX COMMISSION	9999	11/27/2019	11/27/2019	\$5,093.13			
					5,093.13	1022230	STATE WITHHOLDING PAYAB	State Income Tax
PR112319-382	UTAH STATE RETIREMENT	9999	11/27/2019	11/27/2019	\$24,878.25			
					3,341.33	1022300	RETIREMENT PAYABLE	401K
					18,852.57	1022300	RETIREMENT PAYABLE	Retirement
					757.34	1022300	RETIREMENT PAYABLE	401K - Tier 1 Parity
					641.50	1022300	RETIREMENT PAYABLE	Roth IRA
					530.48	1022300	RETIREMENT PAYABLE	457
					24.79	1022300	RETIREMENT PAYABLE	Post Retirement (After 7/2010)
					730.24	1022325	RETIREMENT LOAN PAYMEN	Retirement Loan Payment
PR112319-383	EFTPS	9999	11/27/2019	11/27/2019	\$28,224.88			
					16,051.66	1022210	FICA PAYABLE	Social Security Tax
					3,754.38	1022210	FICA PAYABLE	Medicare Tax
					8,418.84	1022220	FEDERAL WITHHOLDING PAY	Federal Income Tax
PR112319-7076	UTAH COUNTY LODGE #31	79332	11/27/2019	11/27/2019	\$144.00			
					144.00	1022425	FOP DUES	FOP Dues (Ut County Lodge #3)
PR112319-7171	CHILD SUPPORT SERVICES/ORS	79328	11/27/2019	11/27/2019	\$215.54			
					215.54	1022420	GARNISHMENTS	Garnishment - Child Support
PR112319-8708	ECMC - MN	79329	11/27/2019	11/27/2019	\$219.52			
					219.52	1022420	GARNISHMENTS	Garnishment
PR120719-13093	NEBO LODGE #45	79403	12/12/2019	12/12/2019	\$18.00			
					18.00	1022425	FOP DUES	FOP Dues (Nebo Lodge #45)
PR120719-266	SANTAQUIN CITY UTILITIES	79404	12/12/2019	12/12/2019	\$940.00			
					690.00	1022350	UTILITIES PAYABLE	Utilities
					250.00	1022350	UTILITIES PAYABLE	Cemetery
PR120719-361	UTAH STATE TAX COMMISSION	9999	11/29/2019	11/29/2019	\$96.79			
					96.79	1022230	STATE WITHHOLDING PAYAB	State Income Tax
PR120719-361	UTAH STATE TAX COMMISSION		12/12/2019	12/12/2019	\$5,088.55			
					5,088.55	1022230	STATE WITHHOLDING PAYAB	State Income Tax

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<b>Vendor Total:</b>					<b>\$5,185.34</b>			
PR120719-382	UTAH STATE RETIREMENT		11/29/2019	11/29/2019	\$212.30			
					13.10	1022300	RETIREMENT PAYABLE	401K
					199.20	1022300	RETIREMENT PAYABLE	Retirement
PR120719-382	UTAH STATE RETIREMENT		12/12/2019	12/12/2019	\$25,303.09			
					3,462.44	1022300	RETIREMENT PAYABLE	401K
					19,077.49	1022300	RETIREMENT PAYABLE	Retirement
					845.55	1022300	RETIREMENT PAYABLE	401K - Tier 1 Parity
					641.50	1022300	RETIREMENT PAYABLE	Roth IRA
					533.48	1022300	RETIREMENT PAYABLE	457
					12.39	1022300	RETIREMENT PAYABLE	Post Retirement (After 7/2010)
					730.24	1022325	RETIREMENT LOAN PAYMEN	Retirement Loan Payment
<b>Vendor Total:</b>					<b>\$25,515.39</b>			
PR120719-383	EFTPS	9999	11/29/2019	11/29/2019	\$518.54			
					255.50	1022210	FICA PAYABLE	Social Security Tax
					59.76	1022210	FICA PAYABLE	Medicare Tax
					203.28	1022220	FEDERAL WITHHOLDING PAY	Federal Income Tax
PR120719-383	EFTPS		12/12/2019	12/12/2019	\$28,490.19			
					15,966.90	1022210	FICA PAYABLE	Social Security Tax
					3,734.30	1022210	FICA PAYABLE	Medicare Tax
					8,788.99	1022220	FEDERAL WITHHOLDING PAY	Federal Income Tax
<b>Vendor Total:</b>					<b>\$29,008.73</b>			
PR120719-7076	UTAH COUNTY LODGE #31	79405	12/12/2019	12/12/2019	\$144.00			
					144.00	1022425	FOP DUES	FOP Dues (Ut County Lodge #3
PR120719-7171	CHILD SUPPORT SERVICES/ORS	79401	12/12/2019	12/12/2019	\$215.54			
					215.54	1022420	GARNISHMENTS	Garnishment - Child Support
PR120719-8708	ECMC - MN	79402	12/12/2019	12/12/2019	\$219.52			
					219.52	1022420	GARNISHMENTS	Garnishment
Refund: 1012150	DR HORTON	79289	11/26/2019	11/26/2019	\$110.92			
					110.92	5113110	ACCOUNTS RECEIVABLE	Refund: 1012150 - DR HORTON
Refund: 1213601	PENROD, AMANDA *	79310	12/2/2019	12/2/2019	\$98.63			
					98.63	5113110	ACCOUNTS RECEIVABLE	Refund: 1213601 - PENROD, A
Refund: 1509550	DR HORTON	79293	11/26/2019	11/26/2019	\$44.86			
					44.86	5113110	ACCOUNTS RECEIVABLE	Refund: 1509550 - DR HORTON
Refund: 1509830	DR HORTON	79292	11/26/2019	11/26/2019	\$44.95			
					44.95	5113110	ACCOUNTS RECEIVABLE	Refund: 1509830 - DR HORTON
Refund: 1509880	DR HORTON	79290	11/26/2019	11/26/2019	\$60.46			
					60.46	5113110	ACCOUNTS RECEIVABLE	Refund: 1509880 - DR HORTON
Refund: 1510740	DR HORTON	79291	11/26/2019	11/26/2019	\$57.13			
					57.13	5113110	ACCOUNTS RECEIVABLE	Refund: 1510740 - DR HORTON
Refund: 151552	NIXON, JASON & MAREN *	79307	11/26/2019	11/26/2019	\$99.21			
					99.21	5113110	ACCOUNTS RECEIVABLE	Refund: 151552 - NIXON, JASO
Refund: 361106	CISNEROS, JULIO CESAR *	79169	11/19/2019	11/19/2019	\$107.24			
					107.24	5113110	ACCOUNTS RECEIVABLE	Refund: 361106 - CISNEROS, J
Refund: 3731780	DEGRAFFENRIED, JIMMY	79286	11/26/2019	11/26/2019	\$99.01			
					99.01	5113110	ACCOUNTS RECEIVABLE	Refund: 3731780 - DEGRAFFE
Refund: 3900602	STANTON, LISA *	79318	12/2/2019	12/2/2019	\$123.72			
					123.72	5113110	ACCOUNTS RECEIVABLE	Refund: 3900602 - STANTON, L

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Refund: 4413	MADSEN, JACK & CHARLOTTE	79304	11/26/2019	11/26/2019	\$100.00			
					100.00	5113110	ACCOUNTS RECEIVABLE	Refund: 4413 - MADSEN, JACK
Refund: 4413	MADSEN, JACK & CHARLOTTE		12/11/2019	12/11/2019	\$100.00			
					100.00	5113110	ACCOUNTS RECEIVABLE	Refund: 4413 - MADSEN, JACK
<b>Vendor Total:</b>					<b>\$200.00</b>			
Refund: 6209851	GUIDRY, AMANDA & WILLIAM	79298	11/26/2019	11/26/2019	\$93.31			
					93.31	5113110	ACCOUNTS RECEIVABLE	Refund: 6209851 - GUIDRY, AM
REIMBURSE - 1	BOND, JASON	79283	12/3/2019	12/3/2019	\$100.00			
					100.00	1078230	EDUCATION, TRAINING & TRA	MILAGE REIMBURSEMENT
REIMBURSE-111	EVA, SHAD	79171	11/18/2019	11/18/2019	\$52.00			
					52.00	1060230	EDUCATION, TRAINING & TRA	CDL LICENSE RENEWAL REIM
REIMBURSE-111	JOHNSON, AMY	79179	11/18/2019	11/18/2019	\$150.13			
					150.13	6140335	MISC SUPPLIES	OFFICE CHAIRS
REIMBURSE-111	HOFFMAN, DREW	79174	11/19/2019	11/19/2019	\$150.00			
					150.00	1048230	EDUCATION, TRAINING, TRAV	ONLINE CERTIFICATION EXA
REIMBURSE-12	WALL, MIKE	79334	12/5/2019	12/5/2019	\$129.25			
					129.25	1054240	SUPPLIES	DRY CLEANING - 55 SHIRTS -
REIMBURSE-12	WORTHEN, JENNA	79335	12/5/2019	12/5/2019	\$62.05			
					35.26	1054230	EDUCATION, TRAINING & TRA	TRAINING LUNCH
					26.79	1054240	SUPPLIES	UNIFORM
REIMBURSE-12	ROBBINS, JUDY	79409	12/13/2019	12/13/2019	\$96.16			
					96.16	7534000	MEMBERSHIP DUES	FOOD FOR SENIOR CENTER
RMP-1121019C	ROCKY MOUNTAIN POWER	79187	11/21/2019	11/21/2019	\$9,785.45			
					184.64	1051270	UTILITIES	1213 N CENTER
					372.35	1051270	UTILITIES	1213 N CENTER PUBLIC WOR
					150.82	1070270	UTILITIES	1000 N CENTER
					460.43	5240270	UTILITIES	10 W GINGER GOLD RD
					8,617.21	5240500	WRF - UTILITIES	1215 N CENTER
RMP-11212019B	ROCKY MOUNTAIN POWER	79187	11/20/2019	11/20/2019	\$18,152.80			
					46.35	1051270	UTILITIES	190 S 400 W - RECREATION C
					246.28	1051270	UTILITIES	190 S 400 W - RECREATION C
					962.77	1051270	UTILITIES	275 W MAIN ST
					185.87	1051270	UTILITIES	98 S CENTER LIBRARY
					297.27	1051270	UTILITIES	45 W 100 S
					39.07	1070270	UTILITIES	1390 SUMMIT RIDGER PARKW
					4,945.06	1070270	UTILITIES	STREET LIGHTS
					10.86	1070270	UTILITIES	313 W 100 S BOWERY
					21.38	1070270	UTILITIES	313 W 100 S RESTROOMS
					61.28	1070270	UTILITIES	280 W 750 N PARK
					15.38	1070270	UTILITIES	310 N ORCHARD LANE PARK
					56.28	1070270	UTILITIES	49 E MAIN PARK LIGHTS
					142.22	1070270	UTILITIES	49 E MAIN AREA LIGHTS
					22.42	1070270	UTILITIES	398 N CHERRY PARK
					122.84	1070270	UTILITIES	705 SUNSET TRAILS
					29.37	1070270	UTILITIES	168 E 610 S CONCESSIONS
					768.76	1070270	UTILITIES	300 W 100 S BALL PARK LIGH
					366.72	1070270	UTILITIES	592 SUMMIT RIDGE PKY - 80%
					1,470.51	1070270	UTILITIES	592 SUMMIT RIDGE PKY - SO
					20.80	1070270	UTILITIES	290 W 800 N RESTROOMS
					311.43	1070270	UTILITIES	250 S 400 W ARENA - CONSES

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					20.11	1070270	UTILITIES	250 S 400 W ARENA - CONSES
					13.74	1070270	UTILITIES	250 S 400 W ARENA - CONSES
					11.43	1070270	UTILITIES	250 S 400 W ARENA - CONSES
					16.19	5140273	UTILITIES	1200 S 100 W - GENERAL SER
					24.49	5140273	UTILITIES	1200 S 100 W - RECREATION
					269.28	5140273	UTILITIES	910 E 10 N EASTSIDE WELL
					2,115.13	5140273	UTILITIES	3 SUMMIT RIDGE PARKWAY -
					954.15	5140273	UTILITIES	190 E 400 S CULINARY WELL
					146.66	5140273	UTILITIES	1005 S CENTER - CHLOR
					32.80	5140273	UTILITIES	392 N 200 W PUMP VAULT
					1,067.34	5240270	UTILITIES	6650 W 13800 S PUMP - HAYFI
					954.15	5440273	UTILITIES	190 E 400 S CULINARY WELL
					269.28	5440273	UTILITIES	910 E 10 N EASTSIDE WELL
					2,115.13	5440273	UTILITIES	3 SUMMIT RIDGE PARKWAY -
RMP-11212019D	ROCKY MOUNTAIN POWER	79187	11/21/2019	11/21/2019	\$243.70			
					37.70	1060270	UTILITIES - STREET LIGHTS	1005 S RED BARN
					44.06	1060270	UTILITIES - STREET LIGHTS	415 TRAVERTINE WAY
					19.30	1060270	UTILITIES - STREET LIGHTS	154 E 950 S
					142.64	1060270	UTILITIES - STREET LIGHTS	80 E 770 N
RMP-11212019E	ROCKY MOUNTAIN POWER	79187	11/21/2019	11/21/2019	\$19.09			
					19.09	1060270	UTILITIES - STREET LIGHTS	1026 E MAIN
RMP-11212019F	ROCKY MOUNTAIN POWER	79187	11/21/2019	11/21/2019	\$177.99			
					177.99	1060270	UTILITIES - STREET LIGHTS	509 FIRESTONE DR. STRONG
RMP-11212019G	ROCKY MOUNTAIN POWER	79187	11/21/2019	11/21/2019	\$14.19			
					14.19	5440273	UTILITIES	1250 S CANYON ROAD
RMP-11212019H	ROCKY MOUNTAIN POWER	79187	11/21/2019	11/21/2019	\$3,482.87			
					3,482.87	5140273	UTILITIES	1100 S CANYON ROAD
RMP-11212019I	ROCKY MOUNTAIN POWER	79187	11/21/2019	11/21/2019	\$167.44			
					167.44	1060270	UTILITIES - STREET LIGHTS	115 W 860 N STRONG BOX
	<b>Vendor Total:</b>				<b>\$32,043.53</b>			
RT19110784	HUMPHRIES INC	79356	12/6/2019	12/6/2019	\$21.00			
					21.00	7657242	EMS - SUPPLIES	MEDD
S103228466.002	MOUNTAINLAND SUPPLY	79361	12/11/2019	12/11/2019	\$345.75			
					345.75	5440240	SUPPLIES	Supplies
S103277140.001	MOUNTAINLAND SUPPLY	79361	12/11/2019	12/11/2019	\$55.15			
					55.15	5140240	SUPPLIES	SUPPLIES
S103299147.001	MOUNTAINLAND SUPPLY	79361	12/11/2019	12/11/2019	\$39.42			
					39.42	5140240	SUPPLIES	SHIPPING & HANDLING FOR
S103305052.001	MOUNTAINLAND SUPPLY	79361	12/11/2019	12/11/2019	\$8,318.14			
					8,318.14	4240771	LEASE PURCHASES	SEWER CAMERA
S103305052.002	MOUNTAINLAND SUPPLY	79361	12/11/2019	12/11/2019	\$4,427.82			
					4,427.82	4240771	LEASE PURCHASES	SEWER CAMERA
S103305052.003	MOUNTAINLAND SUPPLY	79361	12/11/2019	12/11/2019	\$4,427.82			
					4,427.82	4240771	LEASE PURCHASES	SEWER CAMERA
S103317823.001	MOUNTAINLAND SUPPLY	79361	12/11/2019	12/11/2019	\$270.99			
					270.99	5140240	SUPPLIES	SUPPLIES
S103318342.001	MOUNTAINLAND SUPPLY	79361	12/11/2019	12/11/2019	\$6.00			
					6.00	5140240	SUPPLIES	SUPPLIES
S103320808.001	MOUNTAINLAND SUPPLY	79181	11/18/2019	11/18/2019	\$321.44			
					321.44	1051300	BUILDINGS & GROUND MAIN	ICE MELT

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S103322851.001	MOUNTAINLAND SUPPLY	79181	11/20/2019	11/20/2019	\$248.83			
					248.83	5240240	SUPPLIES	5 GALLON SPEED PLUG QUIC
S103324171.001	MOUNTAINLAND SUPPLY	79181	11/18/2019	11/18/2019	\$475.83			
					475.83	5440240	SUPPLIES	Supplies
S103332182.001	MOUNTAINLAND SUPPLY	79306	12/3/2019	12/3/2019	\$4,106.57			
					4,106.57	5440240	SUPPLIES	IRRIGATION SUPPLIES
S103336230.001	MOUNTAINLAND SUPPLY	79361	12/4/2019	12/4/2019	\$1,974.78			
					1,974.78	5140240	SUPPLIES	SUPPLIES
	<b>Vendor Total:</b>				<b>\$25,018.54</b>			
S5832	SPARTAN ARMOR SYSTEMS	79192	11/19/2019	11/19/2019	\$1,619.05			
					1,619.05	7657242	EMS - SUPPLIES	ARMOR ACTIVE SHOOTER KI
S5933	SPARTAN ARMOR SYSTEMS	79192	11/19/2019	11/19/2019	\$2,158.73			
					2,158.73	7657242	EMS - SUPPLIES	ARMOR ACTIVE SHOOTER KI
	<b>Vendor Total:</b>				<b>\$3,777.78</b>			
S6921269.001	CODALE ELECTRIC SUPPLY	79348	12/11/2019	12/11/2019	\$238.00			
					238.00	5240520	WRF - SUPPLIES	WRF
SAMS-112719	SAM'S CLUB /GECRB	79274	11/27/2019	11/27/2019	\$1,323.44			
					177.66	1043610	OTHER SERVICES	COLUMBUS DAY TRAINING S
					577.90	1043610	OTHER SERVICES	COLUMBUS DAY SUPPLIES
					-64.90	1043610	OTHER SERVICES	COLUMBUS DAY SUPPLIES
					35.42	1051240	SUPPLIES	CLEANING SUPPLIES
					20.68	1051240	SUPPLIES	CLEANING SUPPLIES
					90.74	1051240	SUPPLIES	FOOD SUPPLIES
					97.34	1051240	SUPPLIES	CLEANING SUPPLIES
					164.68	7540480	FOOD	FOOD SUPPLIES
					172.04	7657132	EMPLOYEE RECOGNITIONS	EMPLOYEE RECOGNITION
					51.88	7657240	FIRE - SUPPLIES	FOOD SUPPLIES
SO-0031059	CLYDECO	79347	12/4/2019	12/4/2019	\$318.08			
					318.08	1070300	BUILDINGS & GROUNDS MAI	SUPPLIES
UP28626	CENTURY EQUIPMENT COMP		12/6/2019	12/6/2019	\$955.22			
					955.22	5440250	EQUIPMENT MAINTENANCE	ENGINE, AIR, HYDROLIC FILT
UP28708	CENTURY EQUIPMENT COMP		12/11/2019	12/11/2019	\$91.09			
					91.09	5240250	EQUIPMENT MAINTENANCE	PARTS
	<b>Vendor Total:</b>				<b>\$1,046.31</b>			
UT20192507	BLUE STAKES	79343	12/4/2019	12/4/2019	\$92.07			
					92.07	5240210	BOOKS, SUBSCRIPT, MEMBE	BILLABLE EMAIL NOTIFICATIO
UTILITY-1119201	SANTAQUIN CITY UTILITIES	79161	11/19/2019	11/19/2019	\$200.00			
					200.00	5221600	SEWER FUND DONATIONS	NOVEMBER
UTILITY-1213201	SANTAQUIN CITY UTILITIES	79410	12/13/2019	12/13/2019	\$200.00			
					200.00	5221600	SEWER FUND DONATIONS	DECEMBER
	<b>Vendor Total:</b>				<b>\$400.00</b>			
WALMART-1122	WALMART BRC - GE CAPITAL RETAIL	79200	11/22/2019	11/22/2019	\$916.53			
					88.79	1041610	OTHER SERVICES	MAYOR'S WALK
					156.47	1043610	OTHER SERVICES	OFFICE SUPPLIES
					111.98	1054240	SUPPLIES	BIRTHDAY GIFT CARDS
					84.07	6140335	MISC SUPPLIES	OFFICE SUPPLIES
					59.32	7240240	SUPPLIES	OFFICE SUPPLIES
					120.31	7540480	FOOD	FOOD SUPPLIES

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					68.91	7540480	FOOD	FOOD SUPPLIES
					26.10	7540480	FOOD	FOOD SUPPLIES
					47.28	7540480	FOOD	FOOD SUPPLIES
					52.25	7540480	FOOD	FOOD SUPPLIES
					63.79	7540480	FOOD	FOOD SUPPLIES
					37.26	7540480	FOOD	FOOD SUPPLIES
XC11202019-139	MAPLETON CITY FIRE DEPARTMENT	79162	11/20/2019	11/20/2019	\$2,159.09			
					2,159.09	7657242	EMS - SUPPLIES	USED FIRE HELMETS
XC11212019-139	RKS PLUMBING C/O RAY SHEPHARD	79164	11/21/2019	11/21/2019	\$35.00			
					35.00	1032100	BUSINESS LICENSES AND PE	BUSINESS LICENSE REFUND
XC12032019-139	ELIVIA GOMEZ	79326	12/3/2019	12/3/2019	\$3,020.00			
					3,020.00	1022430	COURT FINES AND FORFEITU	BAIL REFUND
XC12032019-139	AUSTIN SAMES	79327	12/3/2019	12/3/2019	\$524.99			
					524.99	1022430	COURT FINES AND FORFEITU	BAIL REFUND
XC12052019-139	CHAD FERN	79333	12/5/2019	12/5/2019	\$35.00			
					35.00	1032100	BUSINESS LICENSES AND PE	BUSINESS LICENSE REFUND
XC12132019-139	DARREN WALL	79408	12/13/2019	12/13/2019	\$336.27			
					336.27	1054240	SUPPLIES	FULL SIZE CLEARING TRAP
<b>Total:</b>					<b>\$586,816.94</b>			
							<b><u>GL Account Summary</u></b>	
						39,822.50	1022210	FICA PAYABLE
						17,411.11	1022220	FEDERAL WITHHOLDING PAY
						10,278.47	1022230	STATE WITHHOLDING PAYAB
						6,456.12	1022250	WORKMENS COMPENSATION
						48,933.16	1022300	RETIREMENT PAYABLE
						1,460.48	1022325	RETIREMENT LOAN PAYMEN
						1,880.00	1022350	UTILITIES PAYABLE
						870.12	1022420	GARNISHMENTS
						324.00	1022425	FOP DUES
						8,003.27	1022430	COURT FINES AND FORFEITU
						11,961.50	1022450-202	(BOND) SECRET GARDEN ES
						43,135.71	1022500	HEALTH INSURANCE
						3,544.50	1022501	DENTAL
						2,838.22	1022502	FSA
						6,279.63	1022503	HSA
						2,774.29	1022504	LIFE/ADD
						126.09	1022505	SUPPLEMENTAL
						414.40	1022508	VISION
						70.00	1032100	BUSINESS LICENSES AND PE
						312.60	1041230	EDUCATION, TRAINING & TRA
						13.00	1041240	SUPPLIES
						11,576.17	1041610	OTHER SERVICES
						135.86	1041613	ELECTION
						4,700.81	1041615	SANTAQUIN CALENDAR
						68.20	1041670	YOUTH CITY COUNCIL EXPE
						364.00	1042210	BOOKS, SUBSCTIPTIONS & M
						203.08	1042230	EDUCATION, TRAINING & TRA
						751.00	1042310	PROFESSIONAL & TECHNICA
						20,069.96	1042331	LEGAL
						6,698.13	1042610	STATE RESTITUTION
						546.00	1043210	BOOKS,SUBSCRIPTIONS,ME
						1,041.22	1043230	EDUCATION, TRAINING AND T
						1,100.47	1043240	SUPPLIES
						307.99	1043250	EQUIPMENT MAINTENANCE

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					78.57	1043280	TELEPHONE	
					144.75	1043310	PROFESSIONAL & TECHNICA	
					7,288.30	1043331	LEGAL	
					47.91	1043480	EMPLOYEE RECOGNITIONS	
					8.72	1043501	BANK AND SERVICE CHARGE	
					1,876.00	1043510	INSURANCE AND BONDS	
					1,054.52	1043610	OTHER SERVICES	
					383.23	1048230	EDUCATION, TRAINING, TRAV	
					50.56	1048240	SUPPLIES	
					136.99	1048260	FUEL	
					317.23	1051240	SUPPLIES	
					4,786.04	1051270	UTILITIES	
					2,758.17	1051280	TELEPHONE	
					3,756.76	1051300	BUILDINGS & GROUND MAIN	
					6,549.10	1051480	CHRISTMAS LIGHTS	
					307.24	1054210	BOOKS, SUBSCRIPT, MEMBE	
					560.26	1054230	EDUCATION, TRAINING & TRA	
					3,281.74	1054240	SUPPLIES	
					626.00	1054250	EQUIPMENT MAINTENANCE	
					335.00	1054311	PROFESSIONAL & TECHNICA	
					967.32	1054340	CENTRAL DISPATCH FEES	
					150.00	1054350	UTAH COUNTY ANIMAL SHEL	
					52.00	1060230	EDUCATION, TRAINING & TRA	
					10,931.86	1060240	SUPPLIES	
					4,349.66	1060250	EQUIPMENT MAINTENANCE	
					659.15	1060270	UTILITIES - STREET LIGHTS	
					11.56	1060280	TELEPHONE	
					740.18	1062240	SUPPLIES	
					11.56	1062280	TELEPHONE	
					33,258.03	1062311	WASTE PICKUP CHARGES	
					10,117.85	1062312	RECYCLING PICKUP CHARGE	
					128.00	1068210	BOOKS, SUBSCRIPTIONS, ME	
					78.95	1068240	SUPPLIES	
					1,743.92	1068250	EQUIPMENT MAINT	
					230.14	1068280	TELEPHONE	
					764.97	1070250	EQUIPMENT MAINTENANCE	
					8,600.48	1070270	UTILITIES	
					11.56	1070280	TELEPHONE	
					3,423.37	1070300	BUILDINGS & GROUNDS MAI	
					300.00	1070305	ARBORTIST/LANDSCAPING	
					145.61	1077250	EQUIPMENT MAINTENANCE	
					11.56	1077280	TELEPHONE	
					189.99	1077300	BUILDINGS & GROUND MAIN	
					100.00	1078230	EDUCATION, TRAINING & TRA	
					9.30	1078240	SUPPLIES	
					34.68	1078280	TELEPHONE	
					125.00	1078310	PROFESSIONAL & TECHNICA	
					<b>365,965.85</b>		<b>Total</b>	
					48.15	4140701	RELOCATION TO PW BUILDIN	
					10,812.00	4140818	BALLFIELD FENCE REPLACE	
					<b>10,860.15</b>		<b>Total</b>	
					17,173.78	4240771	LEASE PURCHASES	
					2,850.00	4340100	COMPUTER SUPPORT CONT	
					977.50	4340113	WEBSITE CONTENT MGT - PE	

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					2,388.00	4340114	SOCIAL MEDIA ARCHIVE SER	
					1,569.89	4340200	DESKTOP ROTATION EXPENS	
					472.22	4340300	COPIER CONTRACT	
					1,971.89	4340500	SOFTWARE EXPENSE	
					<b>10,229.50</b>		<b>Total</b>	
					1,676.35	4540300	SUMMIT RIDGE PARKWAY EX	
					22,025.00	4540301	500 WEST PROJECT	
					<b>23,701.35</b>		<b>Total</b>	
					1,139.44	5113110	ACCOUNTS RECEIVABLE	
					80.36	5138900	MISCELLANEOUS Water	
					4,613.64	5140240	SUPPLIES	
					35.67	5140250	EQUIPMENT MAINTENANCE	
					3,620.00	5140253	WATER SHARE ASSESSMENT	
					7,041.57	5140273	UTILITIES	
					11.56	5140280	TELEPHONE	
					420.00	5140310	PROFESSIONAL & TECHNICA	
					<b>16,962.24</b>		<b>Total</b>	
					400.00	5221600	SEWER FUND DONATIONS	
					34,000.00	522510.2	1993A Sewer Bond repaid	
					92.07	5240210	BOOKS, SUBSCRIPT, MEMBE	
					25.00	5240230	EDUCATION, TRAINING & TRA	
					2,644.78	5240240	SUPPLIES	
					-50.23	5240250	EQUIPMENT MAINTENANCE	
					1,527.77	5240270	UTILITIES	
					11.56	5240280	TELEPHONE	
					8,945.90	5240500	WRF - UTILITIES	
					4,556.07	5240510	WRF - CHEMICAL SUPPLIES	
					941.33	5240520	WRF - SUPPLIES	
					3,430.40	5240530	WRF - SOLID WASTE DISPOS	
					5,489.29	5240550	WRF - EQUIPMENT MAINTEN	
					<b>62,013.94</b>		<b>Total</b>	
					9,359.48	5440240	SUPPLIES	
					2,987.21	5440250	EQUIPMENT MAINTENANCE	
					3,352.75	5440273	UTILITIES	
					<b>15,699.44</b>		<b>Total</b>	
					7,345.00	5540200	SCADA SYSTEM	
					4,028.68	562540.2	2011A-2 Sewer Revenue Bond r	
					6,542.32	5640860	DEBT SERVICE - INTEREST	
					<b>10,571.00</b>		<b>Total</b>	
					13,220.38	5740720	IMPACT FEE	
					1,700.00	5840731	FIRE DISTRICT STUDY	
					1.04	6134235	UNIFORMS	
					-0.05	6134320	TEEBALL REVENUE	
					6.55	6134400	TUMBLING/GYMNASTICS	
					11.47	6134450	YOUTH VOLLEYBALL	
					57.28	6134470	KARATE	
					0.00	6134500	FOOTBALL REGISTRATION	
					15.13	6134600	ADULT SPORTS	

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					9.85	6134650	WRESTLING	
					168.85	6134660	JR JAZZ	
					17.62	6134800	AEROBICS	
					22.50	6138900	UTAH COUNTY COMMUNITY	
					16.91	6140145	REGISTRATION SOFTWARE E	
					55.90	6140241	SOFTBALL SUPPLIES	
					234.20	6140335	MISC SUPPLIES	
					208.80	6140450	YOUTH VOLLEYBALL	
					434.48	6140630	FLAG FOOTBALL EXPENSE	
					8.04	6140650	WRESTLING	
					335.00	6140740	CAPITAL VEHICLE & EQUIPM	
					<b>1,603.57</b>		<b>Total</b>	
					14,990.82	6240610	SANTAQUIN DAYS AD BOOKL	
					92.89	6340240	SUPPLIES	
					225.00	6340310	PROFESSIONAL & TECHNICA	
					<b>317.89</b>		<b>Total</b>	
					343.34	7240210	BOOKS, SUBSCRIPTIONS & M	
					466.37	7240240	SUPPLIES	
					<b>809.71</b>		<b>Total</b>	
					96.16	7534000	MEMBERSHIP DUES	
					41.94	7540240	SUPPLIES	
					602.10	7540480	FOOD	
					<b>740.20</b>		<b>Total</b>	
					172.04	7657132	EMPLOYEE RECOGNITIONS	
					77.09	7657210	BOOKS, SUBSCRIPTIONS, ME	
					82.80	7657230	FIRE - EDUCATION, TRAINING	
					380.12	7657235	EMS - EDUCATION, TRAINING	
					81.62	7657240	FIRE - SUPPLIES	
					10,410.81	7657242	EMS - SUPPLIES	
					160.00	7657244	UNIFORMS	
					521.51	7657246	EMERGENCY MANAGEMENT	
					1,003.93	7657250	EQUIPMENT MAINTENANCE	
					22.20	7657280	TELEPHONE	
					<b>12,912.12</b>		<b>Total</b>	
					<b>\$586,816.94</b>		<b>GL Account Summary Total</b>	



## MEMORANDUM

To: Santaquin City Mayor & Council  
From: Benjamin A. Reeves, Santaquin City Manager  
Date: December 17, 2019  
Subject: Support of a Level 2 Pediatric Trauma Unit in Utah County

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Mayor & Council,

Mayor Hunsaker was asked if he would bring before you for your consideration a resolution of support to establish a Level 2 Pediatric Trauma unit in Utah County. He was provided a model resolution, which was slightly adapted for our needs. In addition to the resolution, there is additional information regarding the need for these services in our area, which will be included on the Dropbox for your review.

I visited with Chief Lind regarding this model resolution. He is in full support. His only recommendation was to add the qualifier “central area of” Utah County within our proposed resolution. His concern is that a new facility could be located in Lehi or in the north Utah County area. It is his belief, and I concur, that it would better serve the entire county, if it were located in the central area of the county.

It is anticipated that this item will be placed on the Consent Actions Items portion of the agenda. Please let me know if you have any questions or concerns.

Thanks!

## **RESOLUTION 12-01-2019**

### **A RESOLUTION SUPPORTING A LEVEL TWO PEDIATRIC TRAUMA CARE UNIT IN THE CENTRAL AREA OF UTAH COUNTY**

**WHEREAS**, Utah County is one of the fastest growing counties in the nations and is the fastest growing county in the State of Utah; and

**WHEREAS**, the current population of Utah County is approximately 622,000 and the Kem C. Gardner Institute, of the University of Utah, forecasts that Utah County will double in population by 2050; and

**WHEREAS**, there are over 300 pediatric trauma cases in Utah County each year; and

**WHEREAS**, according to national standards, in areas with over 100 pediatric trauma cases, it is recommended to have at least a level two pediatric trauma system in place; and

**WHEREAS**, currently most of the pediatric trauma cases within Utah County need to be transferred to Primary Children's Hospital in Salt Lake County; and

**WHEREAS**, transportation costs, financial burden, inconvenience and logistical concerns for families are reasons to support the creation of a level two pediatric trauma care unit in the central area of Utah County; and

**WHEREAS**, the benefits of having a pediatric trauma care unit in the central area of Utah County include, improved outcomes, survival, patient access, expanded medical services, education outreach and reduction of cost and stresses;

**NOW THEREFORE, BE IT RESOLVED**, by the Santaquin City Council that it supports the creation of a Level Two Pediatric Trauma Care Unit in the central area of Utah County and encourages local and regional medical organizations to work together to bring this needed facility to fruition in a timely manner.

Passed and adopted by the Santaquin City Council this the 17<sup>th</sup> day of December, 2019.

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Kirk F. Hunsaker, Mayor

Attest:

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K. Aaron Shirley, City Recorder



**RESOLUTION 12-02-2019**  
**A RESOLUTION APPROVING A SANTAQUIN CITY**  
**PLANNING COMMISSION AMENDMENT TO THE**  
**OPERATIONAL BYLAWS**

**WHEREAS**, the Santaquin City Planning Commission has proposed an amendment to their Operational Bylaws and Rules of Procedure (See Attached); and

**WHEREAS**, Pursuant to Santaquin City Code 2-1-6, any amendments to the operational bylaws and rules of procedure of the planning commission proposed by the planning commission need approval of the governing body; and

**WHEREAS**, The Santaquin City Council is supportive of the recommended changes as proposed by the planning commission;

**NOW, THEREFORE, BE IT RESOLVED** by the City Council of Santaquin City, as follows:

**SECTION 1:** The attached document represents an Amendment to the Bylaws of the Santaquin City Planning Commission.

**SECTION 2:** This Resolution shall become effective upon passage.

Approved on this 17<sup>th</sup> day of December 2019.

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Kirk F. Hunsaker, Mayor

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K. Aaron Shirley, City Recorder



## Santaquin City Planning Commission By-laws and Rules of Procedure

### A. ORGANIZATION

#### 1. Appointment of the Chair and Deputy Chair.

- a. At one of the last regularly scheduled meetings ~~in December~~ of each year, the ~~Planning~~ Commission shall have an agenda time to appoint a new Chair and Deputy Chair for the next calendar year. Appointees shall assume their duties as of the first regularly scheduled meeting in January.
- b. Appointment of the Chair and Deputy Chair shall be done separately through open nomination for appointment from any ~~member of the Planning Commission~~. If only one Commissioner is nominated for appointment for either position, an approval vote of the Commission shall determine the appointment. If more than one Commissioner is nominated for either appointment, a simple majority of the Commissioners present during a silent vote shall determine the appointee. Any Commissioner may serve more than one term and/or in both appointed positions if properly nominated and appointed.

#### 2. Duties of the Chair.

- a. To review and approve agendas prior to ~~Planning~~ Commission meetings;
- b. To call meetings of the ~~Planning~~ Commission to order on the day and time scheduled and proceed with the order of business;
- ~~c. To announce the business before the Commission in the order in which it is to be heard and/or acted upon;~~
- ~~d.c.~~ To receive and submit, in the proper manner, all motions, recommendations, and propositions presented by the ~~members of the Commission~~ers;
- ~~e.d.~~ To put to vote all issues and items which are properly moved upon, or necessarily arise in the course of the proceedings and to announce the result of any such actions taken;
- ~~f.e.~~ To inform the Commission, when necessary, on any point of order or practice. In the course of discharge of this duty, the Chair shall have the right to call upon legal counsel or staff for advice;

~~g.f.~~ To authenticate by signature all of the acts, findings, orders, and proceedings of the Commission;

~~h.g.~~ To maintain order at all meetings of the Commission including the maintenance of a respectful, orderly, appropriate, and professional atmosphere;

~~i.h.~~ To move the agenda along, reduce redundancy by limiting time allowed for comment, whenever possible, set guidelines for public input, and reference handouts and procedures during meetings;

~~j.i.~~ Recognize speakers and Commissioners prior to receiving comments and presentations;

~~k.j.~~ Ensure the legal due process to all items and people involved in each item of each meeting agenda; and

~~l.k.~~ Facilitate the elimination of any and all public clamor during meetings.

3. Duties of the Deputy Chair. The Deputy Chair shall have and perform all of the duties and functions of the Chair in the absence of the Chair.

4. Temporary Chair.

a. In the event of the absence or disability of the Chair and Deputy Chair, and with a proper quorum present, a temporary Chair shall be appointed to conduct business prior to any agenda item to serve as the temporary Chair until the return of the either the Chair or Deputy Chair.

b. The temporary Chair shall be nominated and appointed in the same manner as the regular nomination and appointment of the Chair.

5. Quorum. The number of ~~members of the Planning~~ Commissioners necessary to constitute a quorum is four (4) or more. No action of the ~~Planning~~ Commission shall be official or ~~of have~~ any effect except when a quorum of the ~~members-Commissioners~~ are present. While Santaquin City encourages the physical attendance of all of its Commissioners at the meeting anchor location, there is, from time to time, a need for Commissioners to connect to meetings via electronic means. Acceptable means of electronic connection include telephone, computer, satellite, or wireless communications. At a minimum, one Commission~~er-member~~ must be physically in attendance at the meeting anchor site. Commission~~ers members~~ must give notice to the Commission secretary forty~~-eight~~ (48) hours in advance of the meeting as to what electronic means they intend to utilize to attend the meeting. The Commission secretary must give proper public notice of the meeting twenty~~-four~~ (24) hours in advance which shall include the name and connection method of all Commissioners who intend to connect electronically to the meeting. Once four (4) or more ~~members of the Planning~~ Commissioners are

in attendance at the meeting, either physically or electronically, the Commission is considered to be in full quorum.

5-6. ~~Placing Items on the Agenda.~~ A request for an item to be on a Commission meeting agenda may be initiated by the Chair, three Commissioners, the staff with the support of the Chair, the Mayor, the City Council, or an applicant that has submitted a complete application.

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## B. MEETINGS

### 1. Meeting Schedule.

- a. At one of the last regularly scheduled meetings ~~in December~~ of each year, the ~~Planning~~ Commission shall have an agenda item to determine the General Meeting schedule for the following calendar year. Meetings of the ~~Planning~~ Commission are typically held on the 2<sup>nd</sup> and 4<sup>th</sup> ~~Thursdays~~ Tuesdays of each month, with the exception of those meetings rescheduled or cancelled ~~under the provisions of Section A-5-b herein~~, are to begin promptly at 7:00 p.m., and are to be held in the City Council Chambers of Santaquin City Hall. Alteration to the time of day or place a meeting is to be held may be made through special notice and advertisement of the meeting which states the specific alteration(s).
- b. The determination of the General Meeting Schedule shall take into consideration the dates for which meetings will be scheduled, conflict with City observed holidays, and the possibility of special meetings or the cancellation of meetings to avoid conflicts.
- c. Following determination of a General Meeting Schedule, the ~~Planning~~ Commission shall approve the schedule through the proper approval process. Following approval, the adopted meeting schedule shall be posted by the Commission Secretary in the Community Development Department, distributed to each Commissioner, and advertised in a newspaper of general circulation throughout the City.
- d. Open Meetings. Every meeting of the ~~Planning~~ Commission is to be open to the public and conducted in accordance to the Utah State Open and Public Meetings Act (U.C.A. 52-4-1 et. Seq.).

### 2. General Order of Business. The business of the ~~Planning~~ Commission at its meetings shall generally be conducted in accordance with the following order, unless otherwise specified

- Roll Call
- Pledge of Allegiance
- ~~Approval of Agenda Time Frame~~
- ~~Invocation/Inspirational Thought~~
- Public Forum
- ~~Consent Items~~

- Agenda Items and Public Hearings
- General Plan and Amendments
- Conditional Use Permit Applications
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- Annexation Applications
- Subdivision Applications
- Site Plan Review
- Code Amendments
- ~~Planning~~-Commission New Business
- Minutes
- Reports of Officials and Staff
- Discussion Items
- Adjournment

3. Public Forum. This portion of the ~~Planning~~-Commission agenda is designed to allow members of the general public to address the Commission regarding issues which are not listed on the posted agenda and shall adhere to the following parameters:

- a. Time Limit. This portion of the agenda should not last more than approximately 30 minutes combined for all speakers. Speakers should limit their comments, under the jurisdiction of the Chair, to approximately two minutes. Speakers declaring their representation of a group of the general public present may be allotted an extended amount of time to address the Commission, at the discretion of the Chair, so long as the extension does not limit the ability or time for other members of the general public to address the Commission.
- b. Speaker Sign-In. All persons wishing to be heard shall place their name onto the designated sign-in sheet at the entrance to the meeting. The ~~Planning~~-Commission Chair shall review the sign-in sheet and call each individual to the speaker's podium to address the Commission. If no names appear on the sign-in sheet, it shall be to the discretion of the Chair to discontinue the public forum portion of the meeting or allow members of the general public present but no signed-in to address the Commission.
- c. Speakers to be Heard. Speakers wishing to be heard shall make their comments from the speaker's podium within the City Council chambers, or other locations of the meeting, with the exclusion of recognized exceptions due to a disability of the speaker. All comments shall be directed towards the Commission and should be made in a respectful and concise manner.
- d. Written Comments. Members of the general public may, and are encouraged to submit written comments relating to any item of City business to the Community Development Department, prior to the close of business on the day of a ~~Planning~~-Commission meeting, and said comments may be read and distributed to the Commission for their review.

The ~~Planning~~ Commission may conduct discussion as deemed appropriate regarding any comments submitted.

- e. Repetitious Comments. Members of the general public addressing the Commission shall not present the same, or substantially same items or arguments to those provided by other members of the general public. Once an item has been heard by the Commission and determined to necessitate an action or necessitate no action the same, or substantially same, item may not be presented by the same member of the general public or any other.

- 4. Procedure of Consideration of Agenda Items. The following procedure will normally be observed for all agenda items, however, it may be rearranged at the discretion of the Chair for an individual item, for the expeditious conduct of business:

- a. Introduction of the item by the Chair;

b. Staff presentation and recommendation;

~~b. Presentation of the proposal by the applicant(s);~~

c. Presentation of the proposal by the applicant(s);

~~e. Staff presentation and recommendation;~~

- d. Public Hearing to be conducted~~ing~~ according to paragraph B5 below.

- e. ~~Planning~~ Commission discussion. The discussion shall be confined to the Commission unless any Commissioner requests specific additional information from staff, the applicant(s), or a member of the general public present who is or may be directly involved or impacted by the issue under consideration; and

- f. Motion and Vote. The Chair ~~shall~~ may outline the possible actions of approval, approval with conditions, tabling, or denial prior to entertaining a motion. Voting shall be in accordance with ~~paragraph C-~~ section F below.

- 5. Public Hearings.

- a. Procedure

- 1. Opening of the public hearing by the Chair.
- 2. Testimony by citizens present to discuss the item through comment or testimony of facts or arguments;
- 3. Rebuttal and concluding comments by the applicant; as the burden of proof rests with the applicant and is therefore given an opportunity to provide closing comments and testimony;

4. Closure of the public hearing by the Chair.

b. Public Comment During Public Hearings. Comments, testimony, and presentations from the public shall be respectful, pertinent, relevant, concise, and confined within a ~~two minute~~two-minute timeframe. A spokesman for a group of citizens wishing to make similar comments regarding the agenda item should be allowed a reasonable amount of additional time. Public comments should be non-repetitious. The ~~Planning~~ Commission Chair shall have the ability to discontinue the receipt of public comment at his/her discretion if the commentary and testimony becomes repetitious, disrespectful, rude, or otherwise rowdy. All public comment shall be directed toward the Commission and may only be received in writing or from the speaker's podium, with the exclusion of recognized exceptions due to a disability of the speaker, within the location of the meeting. Public comment not originated from the podium shall not be accepted or considered by the Commission.

c. ~~Planning~~ Commission Action. No ~~Planning~~ Commission action shall be taken in a formal public hearing. Comments from the public shall be received and weighted but not responded to by the ~~Planning~~ Commission during the public hearing.

6. Continuance of Agenda Items. Review of any agenda item being held or noticed to be held by the ~~Planning~~ Commission at any meeting of the Commission may, by order or notice of continuance, be continued or re-continued to any subsequent meeting.

7. Adjournment. No ~~Planning~~ Commission meeting shall be permitted to extend past 10:00 p.m. unless a unanimous vote of the Commissioners present determines an extension of the meeting past 10:00 p.m. With such a vote, the motion for extension shall include a specific amount of time for the extension of the meeting and a determination of which remaining agenda items are to be considered in the extension. Remaining agenda items for any meeting not extended past 10:00 p.m. or otherwise not fully addressed within the extended time, shall have a motion for continuance made upon them, either to the next regularly scheduled meeting or to a specially called meeting, prior to the meeting's adjournment. No item on a noticed agenda shall be left without action being taken regarding that item, through formal action or continuance, prior to the adjournment of any meeting.

#### C. RIGHTS AND DUTIES OF THE ~~PLANNING~~ COMMISSION ~~ERS~~ MEMBERS.

1. Meeting Attendance. Every ~~member of the~~ Commissioner shall attend each meeting of the Commission unless excused or unable to attend due to extenuating circumstances. Any ~~member~~ Commissioner expecting to be absent from a meeting of the ~~Planning~~ Commission shall notify the Community Development Department and/or the Chair.

2. Conflict of Interest.

a. If any ~~Planning Member-Commissioner~~ has a conflict of interest with an item on an agenda, the Commissioner shall declare the conflict before any testimony for that item is heard. The Commissioner may then choose to step down from the Commission table and withdraw from discussion and voting on the agenda item. Following action by the Commission on the agenda item, the Commissioner may return to the Commission table and resume his/her duties as a Commissioner. In the event the commissioner declines his/her option to step down after declaring a conflict of interest, the Chair shall ask if any Commissioner wishes to request a vote on the conflict.

(1) If a request is made, the Commissioner making the request shall detail his/her request including any request to have the Commissioners step down and/or withdraw from discussion or voting. The remaining Commissioners, other than the Commissioner declaring the conflict of interest, shall vote as to the request. A simple majority of the remaining Commissioners voting in favor of the request shall approve the request. The Commissioner declaring the conflict of interest shall then comply with the approved request. If an approval is not achieved, the Commissioner declaring a conflict of interest may proceed under his/her own recognizance.

(2) If no such request is made, the Commissioner declaring a conflict of interest may proceed under his/her own recognizance.

b. Any Commissioner who feels he/she, or another Commissioner, may have an actual, apparent, or reasonably foreseeable conflict of interest shall declare such feelings. Such declarations shall be determined and handled as in Section ~~CB-2-a~~ herein.

c. No Commissioner with an actual, or possible, conflict of interest shall, at any time before, during, or after the meeting, attempt to use his/her influence with another Commissioner with regard to the agenda item in question.

d. Conflicts of interest are determined to be any personal, familial, or financial tie between the Commissioner and the applicant or the item of any manner of business.

e. A Commissioner may appear before the ~~Planning~~ Commission through his/her employment or as an advocate or agent for a proponent, or as the applicant, only after declaring his/her conflict of interest and stepping down from the Commission table.

f. A Commissioner shall not sell or offer to sell services, or solicit prospective clients or employment, by starting an ability to influence ~~Planning~~ Commission decisions or on the basis of being a ~~Planning~~ Commissioner.

g. A ~~Planning~~ Commissioner must not use the power of his/her appointed office as a Commissioner to seek or obtain any special advantage.

3. Not to Vote Unless Present. No ~~Planning~~-Commissioner shall be permitted to vote on any question, matter of business, or agenda item unless the Commissioner is present at the meeting in which the vote is taken and the result is announced regarding the issue. No ~~member-Commissioner~~ shall give his/her proxy to any other person to vote on any issue.
4. Special Meetings. A Special meeting may be requested by any Commissioner to hear matters of Commission business. It shall be at the discretion of the Chair to grant or deny such a request and schedule such a meeting, as necessary.
5. Quorum. A simple majority of the total of the Commissioners present shall constitute a quorum for the transaction of business. Any ~~member-Commissioner~~ choosing to abstain from a vote on an agenda item shall be included when in consideration of a quorum. Any Commissioner disqualified under the terms of a conflict of interest shall not be included when considering the presence of a quorum. When a conflict of interest results in a lack of Commissioners present to approve a motion, the issue, at the discretion of the Chair, may be heard by the Commission but may not have action taken upon it until an adequate amount of Commissioners can be present to properly vote on the issue.
6. Lack of a Quorum. No matters of business shall be heard, unless caused by a conflict of interest disqualification, unless a proper quorum is present. In the event a quorum is not present for a scheduled meeting of the ~~Planning~~-Commission, the meeting shall be canceled, only after a reasonable allowance of time for a quorum to arrive through a motion for adjournment. No second shall be required for such motion. In such an event, a proper quorum shall ratify the motion to adjourn due to lack of quorum before any matters of business are heard at the next scheduled ~~Planning~~-Commission meeting.
7. Commissioner Decorum.
  - a. Appearance. ~~Planning~~-Commissioners in attendance at each meeting shall portray an appropriate appearance as a representative of Santaquin City to conduct the meeting in a serious, respectful, and sincere manner.
  - b. Actions. At no time shall any ~~Planning~~-Commissioner make any comments, gestures, or other similar actions which is or can be portrayed to be demeaning, insulting, or disrespectful of the other Commissioners, staff, applicant(s), or any member of the general public.

#### **D. ORDER AND DECORUM.**

1. General Decorum. The atmosphere of a ~~Planning~~-Commission meeting shall be conducted with the utmost respect for and by all parties. All those in attendance shall conduct themselves in a courteous, mindful, professional, sincere, and appropriate manner for the nature of the proceedings. Things and actions such as booing, hissing, cheering, clapping, throwing objects, obscene gestures, harassing comments, or other similar or obnoxious behavior shall not be tolerated.

2. Public Clamor. Public Clamor shall not be allowed in any meeting of the Planning Commission, nor during any portion of any meeting.
3. Due Process. The ~~Planning~~ Commission Chair shall conduct each meeting in such a manner so as to afford due process throughout the proceedings.
4. Chair's Authority. It shall be the authority and discretion of the ~~Planning~~ Commission Chair to order the removal of any individual member of the general public present at a ~~Planning~~ Commission meeting, groups of the general public, or the removal of the general public present in its entirety, for the duration of the discussion and consideration regarding any single agenda item, or for the remainder of the meeting, if said person or groups of people become rude, disrespectful, disruptive, or otherwise rowdy towards the Commission, any single Commissioner, staff, the applicant, or other members of the general public.
5. Chair's Adjournment. In the event of refusal to leave the meeting by any member of the general public under the authority granted under Section ~~DC~~-4 herein, it shall be the authority and discretion of the ~~Planning~~ Commission Chair to promptly adjourn any meeting of the ~~Planning~~ Commission when said meeting becomes out of hand, unruly, overly disruptive, or otherwise inhibitive to the conduct of the City's business until such time as business can be conducted in an appropriate manner.

#### **E. MOTIONS.**

1. Making a Motion. Any ~~Planning~~ Commissioner, including the Chair, may make or second any motion.
2. Findings. Motions for approval, denial, or approval with conditions should state reasons, issues, and facts leading to the motion within the motion.
3. Motions Repeated. Motions may be repeated for clarification, further understanding, or consideration at the request of any Commissioner, or by staff for the purpose of clarification for the official record.
4. Legal Counsel. Any ~~Planning~~ Commissioner may request legal advice from the City legal —counsel in the preparation, discussion, and/or deliberation of any motion.
5. Second Required. Each motion of the ~~Planning~~ Commission must be seconded with the exception of a motion to adjourn the ~~Planning~~ Commission meeting.
6. Withdrawing a Motion. After a motion has been stated, the motion resides in the possession of the Commission but may be withdrawn by the author of the motion at any time prior to the motion being put to vote. Withdrawal of a second shall become automatic with the withdrawal of the motion.
7. Motion to Table. A motion to table an agenda item shall be accompanied by the reasoning and rationale for the tabling, such as further study or pending further information or review, and whenever possible, a specific date for which the issue would be reheard.

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8. Amending Motions. When a motion is pending before the Commission, any Commissioner may suggest a motion amendment to the author of the motion at any time prior to the motion being put to vote. The amendment must be accepted by the author of the motion and the author of the second in order to amend a motion. Amendments to an amended motion shall be handled in the same manner.
9. Reconsideration of Motions. Any Commissioner who voted in favor of any approved motion may offer a motion to reconsider the motion at any time during the meeting in which the vote took place or during the review of the minutes of the meeting in which the vote took place. A motion to reconsider must pass an approval vote in order to reconsider the action taken. If reconsideration finds that the previously approved motion should stand, no formal vote shall be necessary. If the former motion is to be amended or made void, the reconsideration motion shall be put to a formal vote of the Commission.
10. Motion to Recess. Any Commissioner may offer a motion for recess, and have said motion considered and voted upon, at any point during a ~~Planning~~ Commission meeting. Any such motion shall contain a specific time to reconvene the meeting. No such recess shall be made for a period of time greater than one hour.
11. Dead Motions and New Motions. In the event that a seconded motion does not carry due to the lack of an adequate sustaining vote, the motion is determined to be dead and the discussion and consideration of the agenda item shall continue until another motion and second are offered and approved.
12. Motion to Adjourn. A motion to adjourn shall be required to conclude every Planning Commission meeting, following the addressing of each item on the agenda for that specific meeting. No second shall be required for a motion to adjourn so long as the Chair declares the meeting closed.

#### **F. VOTING.**

1. Changing a Vote. No ~~member-Commissioner~~ shall be permitted to change his/her vote once the Chair has declared the result of the decision.
2. Abstention. Any ~~member of the Planning~~ Commissioner may choose to abstain from voting on any agenda item if the Commissioner perceives a personal legal implication or other conflict. Commissioners wishing to abstain may remain at the Commission table and participate in the discussion. Reasoning for abstention is not required to be revealed prior to the vote being taken, but must be disclosed as a part of the Commissioner's vote for abstention in order to ensure that no conflict of interest has occurred. Without limitation, Commissioners may abstain from voting to approve the Commission minutes for any Commission meeting at which that Commissioner was not present.
3. Process of Voting. Any agenda item requiring a vote of the ~~Planning~~ Commission to determine a decision or a recommendation, with the exception of those items requiring a roll call vote, shall be conducted follow the Chair's recognition of a motion and a second regarding the agenda item and the allowance for ~~Planning~~ Commission discussion, by:
  - a. The Chair's request for "All those in favor of the motion regarding...";

- b. The simultaneous ~~raising of hands~~ vocalization of "Aye" by the Commissioners voting in favor of the motion;
  - c. The Chair's request for "All those opposed to the motion regarding...";
  - d. The simultaneous ~~raising of hands~~ vocalization of "Nay" by the Commissioners voting in opposition to the motion;
  - e. the Chair's request for "All those wishing to abstain from voting on the motion regarding...";
  - f. The simultaneous ~~raising of hands~~ vocalization of "Abstain" by the Commissioners wishing to abstain from voting on the motion; and
  - g. The Chair's declaration of the voting results.
4. Unanimous or Total Votes. At any time during the voting procedure, described in Section ~~FE~~-3 herein, that a unanimous vote occurs or all Commissioners declare their vote prior to the completion of the process in its entirety, the Chair may immediately supersede the procedure, declare the result of the vote, and proceed with the remainder of the agenda.
5. Roll Call Vote. A roll call vote shall be held to vote on motions made regarding:
- a. The approval of an agenda item where the ~~Planning~~-Commission is the designated approving body;
  - b. Recommendations to the City Council regarding ordinances, amendments to the City Code, adoption or amendment of the General Plan, or the adoption or amendment of any City master plan; or
  - c. The adoption of any ~~Planning~~-Commission resolution.
6. Conducting a Roll Call Vote. When a roll call vote is necessary, the Planning Commission Chair shall, following a motion, second, and ~~Planning~~-Commission discussion, request a vote individually from each ~~Planning~~-Commissioner present. Each Commissioner shall, when called upon, declare their vote orally by stating "Aye" if voting in favor of the motion being considered. "Nay" if voting in opposition of the motion being considered, or "I abstain from voting due to ...". When a roll call vote is necessary, each Commissioner's vote shall be recorded individually in the official minutes of the meeting.

#### **G. SUSPENSION OF RULES.**

1. Non-Exclusive Rules. The rules set forth are not exclusive and do not limit the inherent power or general legal authority of the Commission, or its Chairperson, to govern the

conduct of ~~Planning~~ Commission meetings as may be considered appropriate from time to time or in particular circumstances for the purposes of orderly and effective conduct of the affairs of the City.

2. Amendment and adoption of ~~Planning~~ Commission by-laws to supersede those contained herein shall follow the same procedure as the adoption of these by-laws. A motion may be made ~~in~~ by any Commissioner to review the by-laws for amendment at any time following their inception. A sustaining vote shall be required to open the review of the by-laws for amendment.
3. The adoption of these by-laws, and any successors, shall be done only after the publication of a notice of review and adoption of these by-laws in a newspaper of general circulation within the City at least 14 days prior to the meeting in which the adoption will be considered.
4. The general public shall have the opportunity to review and comment upon these by-laws prior to the adoption by the ~~Planning~~ Commission.

#### H. RECORDING OF BY-LAWS.

1. These by-laws, and all subsequent amendments, shall be recorded by the City Recorder and copies of which shall be distributed to each ~~Planning~~ Commissioner and the Community Development Department.

Approved by the Santaquin City Planning Commission this 12<sup>th</sup> day of November, 2019

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Trevor Wood, Planning Commission Chair

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Attest:

Kira Petersen, Deputy Recorder

Approved by the Santaquin City Council this 17<sup>th</sup> day of December, 2019

Kirk Hunsaker, Mayor

Attest:

Aaron K. Shirley, City Recorder



# Santaquin City Planning Commission

## By-laws and Rules of Procedure

### A. ORGANIZATION

#### 1. Appointment of the Chair and Deputy Chair.

- a. At one of the last regularly scheduled meetings of each year, the Commission shall have an agenda time to appoint a new Chair and Deputy Chair for the next calendar year. Appointees shall assume their duties as of the first regularly scheduled meeting in January.
- b. Appointment of the Chair and Deputy Chair shall be done separately through open nomination for appointment from any Commissioner. If only one Commissioner is nominated for appointment for either position, an approval vote of the Commission shall determine the appointment. If more than one Commissioner is nominated for either appointment, a simple majority of the Commissioners present during a silent vote shall determine the appointee. Any Commissioner may serve more than one term and/or in both appointed positions if properly nominated and appointed.

#### 2. Duties of the Chair.

- a. To review and approve agendas prior to Commission meetings;
- b. To call meetings of the Commission to order on the day and time scheduled and proceed with the order of business;
- c. To receive and submit, in the proper manner, all motions, recommendations, and propositions presented by the Commissioners;
- d. To put to vote all issues and items which are properly moved upon, or necessarily arise in the course of the proceedings and to announce the result of any such actions taken;
- e. To inform the Commission, when necessary, on any point of order or practice. In the course of discharge of this duty, the Chair shall have the right to call upon legal counsel or staff for advice;
- f. To authenticate by signature all of the acts, findings, orders, and proceedings of the Commission;

- g. To maintain order at all meetings of the Commission including the maintenance of a respectful, orderly, appropriate, and professional atmosphere;
  - h. To move the agenda along, reduce redundancy by limiting time allowed for comment, whenever possible, set guidelines for public input, and reference handouts and procedures during meetings;
  - i. Recognize speakers and Commissioners prior to receiving comments and presentations;
  - j. Ensure the legal due process to all items and people involved in each item of each meeting agenda; and
  - k. Facilitate the elimination of any and all public clamor during meetings.
- 3. Duties of the Deputy Chair. The Deputy Chair shall have and perform all of the duties and functions of the Chair in the absence of the Chair.
- 4. Temporary Chair.
  - a. In the event of the absence or disability of the Chair and Deputy Chair, and with a proper quorum present, a temporary Chair shall be appointed to conduct business prior to any agenda item to serve as the temporary Chair until the return of the either the Chair or Deputy Chair.
  - b. The temporary Chair shall be nominated and appointed in the same manner as the regular nomination and appointment of the Chair.
- 5. Quorum. The number of Commissioners necessary to constitute a quorum is four (4) or more. No action of the Commission shall be official or have any effect except when a quorum of the Commissioners are present. While Santaquin City encourages the physical attendance of all of its Commissioners at the meeting anchor location, there is, from time to time, a need for Commissioners to connect to meetings via electronic means. Acceptable means of electronic connection include telephone, computer, satellite, or wireless communications. At a minimum, one Commissioner must be physically in attendance at the meeting anchor site. Commissioners must give notice to the Commission secretary forty-eight (48) hours in advance of the meeting as to what electronic means they intend to utilize to attend the meeting. The Commission secretary must give proper public notice of the meeting twenty-four (24) hours in advance which shall include the name and connection method of all Commissioners who intend to connect electronically to the meeting. Once four (4) or more Commissioners are in attendance at the meeting, either physically or electronically, the Commission is considered to be in full quorum.
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with the support of the Chair, the Mayor, the City Council, or an applicant that has submitted a complete application.

## **B. MEETINGS**

### **1. Meeting Schedule.**

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- b. The determination of the General Meeting Schedule shall take into consideration the dates for which meetings will be scheduled, conflict with City observed holidays, and the possibility of special meetings or the cancellation of meetings to avoid conflicts.
- c. Following determination of a General Meeting Schedule, the Commission shall approve the schedule through the proper approval process. Following approval, the adopted meeting schedule shall be posted by the Commission Secretary in the Community Development Department, distributed to each Commissioner, and advertised in a newspaper of general circulation throughout the City.
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### **2. General Order of Business.** The business of the Commission at its meetings shall generally be conducted in accordance with the following order, unless otherwise specified

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3. Public Forum. This portion of the Commission agenda is designed to allow members of the general public to address the Commission regarding issues which are not listed on the posted agenda and shall adhere to the following parameters:
  - a. **Time Limit.** This portion of the agenda should not last more than approximately 30 minutes combined for all speakers. Speakers should limit their comments, under the jurisdiction of the Chair, to approximately two minutes. Speakers declaring their representation of a group of the general public present may be allotted an extended amount of time to address the Commission, at the discretion of the Chair, so long as the extension does not limit the ability or time for other members of the general public to address the Commission.
  - b. **Speaker Sign-In.** All persons wishing to be heard shall place their name onto the designated sign-in sheet at the entrance to the meeting. The Commission Chair shall review the sign-in sheet and call each individual to the speaker's podium to address the Commission. If no names appear on the sign-in sheet, it shall be to the discretion of the Chair to discontinue the public forum portion of the meeting or allow members of the general public present but no signed-in to address the Commission.
  - c. **Speakers to be Heard.** Speakers wishing to be heard shall make their comments from the speaker's podium within the City Council chambers, or other locations of the meeting, with the exclusion of recognized exceptions due to a disability of the speaker. All comments shall be directed towards the Commission and should be made in a respectful and concise manner.
  - d. **Written Comments.** Members of the general public may, and are encouraged to submit written comments relating to any item of City business to the Community Development Department, prior to the close of business on the day of a Commission meeting, and said comments may be read and distributed to the Commission for their review. The Commission may conduct discussion as deemed appropriate regarding any comments submitted.
  - e. **Repetitious Comments.** Members of the general public addressing the Commission shall not present the same, or substantially same items or arguments to those provided by other members of the general public. Once an item has been heard by the Commission and determined to necessitate an action or necessitate no action the same, or substantially

same, item may not be presented by the same member of the general public or any other.

4. Procedure of Consideration of Agenda Items. The following procedure will normally be observed for all agenda items, however, it may be rearranged at the discretion of the Chair for an individual item, for the expeditious conduct of business:
  - a. Introduction of the item by the Chair;
  - b. Staff presentation and recommendation;
  - c. Presentation of the proposal by the applicant(s);
  - d. Public Hearing to be conducted according to paragraph B5 below.
  - e. Commission discussion. The discussion shall be confined to the Commission unless any Commissioner requests specific additional information from staff, the applicant(s), or a member of the general public present who is or may be directly involved or impacted by the issue under consideration; and
  - f. Motion and Vote. The Chair may outline the possible actions of approval, approval with conditions, tabling, or denial prior to entertaining a motion. Voting shall be in accordance with section F below.
5. Public Hearings.
  - a. Procedure
    1. Opening of the public hearing by the Chair.
    2. Testimony by citizens present to discuss the item through comment or testimony of facts or arguments;
    3. Rebuttal and concluding comments by the applicant; as the burden of proof rests with the applicant and is therefore given an opportunity to provide closing comments and testimony;
    4. Closure of the public hearing by the Chair.
  - b. Public Comment During Public Hearings. Comments, testimony, and presentations from the public shall be respectful, pertinent, relevant, concise, and confined within a two-minute timeframe. A spokesman for a group of citizens wishing to make similar comments regarding the agenda item should be allowed a reasonable amount of additional time. Public comments should be non-repetitious. The Commission Chair shall have the ability to discontinue the receipt of public comment at his/her discretion if the commentary and testimony becomes repetitious,

disrespectful, rude, or otherwise rowdy. All public comment shall be directed toward the Commission and may only be received in writing or from the speaker's podium, with the exclusion of recognized exceptions due to a disability of the speaker, within the location of the meeting. Public comment not originated from the podium shall not be accepted or considered by the Commission.

- c. Commission Action. No Commission action shall be taken in a formal public hearing. Comments from the public shall be received and weighted but not responded to by the Commission during the public hearing.
- 6. Continuance of Agenda Items. Review of any agenda item being held or noticed to be held by the Commission at any meeting of the Commission may, by order or notice of continuance, be continued or re-continued to any subsequent meeting.
- 7. Adjournment. No Commission meeting shall be permitted to extend past 10:00 p.m. unless a unanimous vote of the Commissioners present determines an extension of the meeting past 10:00 p.m. With such a vote, the motion for extension shall include a specific amount of time for the extension of the meeting and a determination of which remaining agenda items are to be considered in the extension. Remaining agenda items for any meeting not extended past 10:00 p.m., or otherwise not fully addressed within the extended time, shall have a motion for continuance made upon them, either to the next regularly scheduled meeting or to a specially called meeting, prior to the meeting's adjournment. No item on a noticed agenda shall be left without action being taken regarding that item, through formal action or continuance, prior to the adjournment of any meeting.

## **C. RIGHTS AND DUTIES OF THE COMMISSIONERS.**

- 1. Meeting Attendance. Every Commissioner shall attend each meeting of the Commission unless excused or unable to attend due to extenuating circumstances. Any Commissioner expecting to be absent from a meeting of the Commission shall notify the Community Development Department and/or the Chair.
- 2. Conflict of Interest.
  - a. If any Commissioner has a conflict of interest with an item on an agenda, the Commissioner shall declare the conflict before any testimony for that item is heard. The Commissioner may then choose to step down from the Commission table and withdraw from discussion and voting on the agenda item. Following action by the Commission on the agenda item, the Commissioner may return to the Commission table and resume his/her duties as a Commissioner. In the event the commissioner declines his/her option to step down after declaring a conflict of interest, the Chair shall ask if any Commissioner wishes to request a vote on the conflict.
    - (1) If a request is made, the Commissioner making the request shall detail his/her request including any request to have the Commissioners step

down and/or withdraw from discussion or voting. The remaining Commissioners, other than the Commissioner declaring the conflict of interest, shall vote as to the request. A simple majority of the remaining Commissioners voting in favor of the request shall approve the request. The Commissioner declaring the conflict of interest shall then comply with the approved request. If an approval is not achieved, the Commissioner declaring a conflict of interest may proceed under his/her own recognizance.

- (2) If no such request is made, the Commissioner declaring a conflict of interest may proceed under his/her own recognizance.
  - b. Any Commissioner who feels he/she, or another Commissioner, may have an actual, apparent, or reasonably foreseeable conflict of interest shall declare such feelings. Such declarations shall be determined and handled as in Section C-2-a herein.
  - c. No Commissioner with an actual, or possible, conflict of interest shall, at any time before, during, or after the meeting, attempt to use his/her influence with another Commissioner with regard to the agenda item in question.
  - d. Conflicts of interest are determined to be any personal, familial, or financial tie between the Commissioner and the applicant or the item of any manner of business.
  - e. A Commissioner may appear before the Commission through his/her employment or as an advocate or agent for a proponent, or as the applicant, only after declaring his/her conflict of interest and stepping down from the Commission table.
  - f. A Commissioner shall not sell or offer to sell services, or solicit prospective clients or employment, by starting an ability to influence Commission decisions or on the basis of being a Commissioner.
  - g. A Commissioner must not use the power of his/her appointed office as a Commissioner to seek or obtain any special advantage.
3. Not to Vote Unless Present. No Commissioner shall be permitted to vote on any question, matter of business, or agenda item unless the Commissioner is present at the meeting in which the vote is taken and the result is announced regarding the issue. No Commissioner shall give his/her proxy to any other person to vote on any issue.
  4. Special Meetings. A Special meeting may be requested by any Commissioner to hear matters of Commission business. It shall be at the discretion of the Chair to grant or deny such a request and schedule such a meeting, as necessary.
  5. Quorum. A simple majority of the total of the Commissioners present shall constitute a quorum for the transaction of business. Any Commissioner choosing to abstain from a vote on an agenda item shall be included when in consideration of a quorum. Any

Commissioner disqualified under the terms of a conflict of interest shall not be included when considering the presence of a quorum. When a conflict of interest results in a lack of Commissioners present to approve a motion, the issue, at the discretion of the Chair, may be heard by the Commission but may not have action taken upon it until an adequate amount of Commissioners can be present to properly vote on the issue.

6. Lack of a Quorum. No matters of business shall be heard, unless caused by a conflict of interest disqualification, unless a proper quorum is present. In the event a quorum is not present for a scheduled meeting of the Commission, the meeting shall be canceled, only after a reasonable allowance of time for a quorum to arrive through a motion for adjournment. No second shall be required for such motion. In such an event, a proper quorum shall ratify the motion to adjourn due to lack of quorum before any matters of business are heard at the next scheduled Commission meeting.
7. Commissioner Decorum.
  - a. Appearance. Commissioners in attendance at each meeting shall portray an appropriate appearance as a representative of Santaquin City to conduct the meeting in a serious, respectful, and sincere manner.
  - b. Actions. At no time shall any Commissioner make any comments, gestures, or other similar actions which is or can be portrayed to be demeaning, insulting, or disrespectful of the other Commissioners, staff, applicant(s), or any member of the general public.

#### **D. ORDER AND DECORUM.**

1. General Decorum. The atmosphere of a Commission meeting shall be conducted with the utmost respect for and by all parties. All those in attendance shall conduct themselves in a courteous, mindful, professional, sincere, and appropriate manner for the nature of the proceedings. Things and actions such as booing, hissing, cheering, clapping, throwing objects, obscene gestures, harassing comments, or other similar or obnoxious behavior shall not be tolerated.
2. Public Clamor. Public Clamor shall not be allowed in any meeting of the Planning Commission, nor during any portion of any meeting.
3. Due Process. The Commission Chair shall conduct each meeting in such a manner so as to afford due process throughout the proceedings.
4. Chair's Authority. It shall be the authority and discretion of the Commission Chair to order the removal of any individual member of the general public present at a Commission meeting, groups of the general public, or the removal of the general public present in its entirety, for the duration of the discussion and consideration regarding any single agenda item, or for the remainder of the meeting, if said person or groups of people become rude, disrespectful, disruptive, or otherwise rowdy towards the Commission, any single Commissioner, staff, the applicant, or other members of the general public.

5. Chair's Adjournment. In the event of refusal to leave the meeting by any member of the general public under the authority granted under Section D-4 herein, it shall be the authority and discretion of the Commission Chair to promptly adjourn any meeting of the Commission when said meeting becomes out of hand, unruly, overly disruptive, or otherwise inhibitive to the conduct of the City's business until such time as business can be conducted in an appropriate manner.

**E. MOTIONS.**

1. Making a Motion. Any Commissioner, including the Chair, may make or second any motion.
2. Findings. Motions for approval, denial, or approval with conditions should state reasons, issues, and facts leading to the motion within the motion.
3. Motions Repeated. Motions may be repeated for clarification, further understanding, or consideration at the request of any Commissioner, or by staff for the purpose of clarification for the official record.
4. Legal Counsel. Any Commissioner may request legal advice from the City legal counsel in the preparation, discussion, and/or deliberation of any motion.
5. Second Required. Each motion of the Commission must be seconded with the exception of a motion to adjourn the Commission meeting.
6. Withdrawing a Motion. After a motion has been stated, the motion resides in the possession of the Commission but may be withdrawn by the author of the motion at any time prior to the motion being put to vote. Withdrawal of a second shall become automatic with the withdrawal of the motion.
7. Motion to Table. A motion to table an agenda item shall be accompanied by the reasoning and rationale for the tabling, such as further study or pending further information or review, and whenever possible, a specific date for which the issue would be reheard.
8. Amending Motions. When a motion is pending before the Commission, any Commissioner may suggest a motion amendment to the author of the motion at any time prior to the motion being put to vote. The amendment must be accepted by the author of the motion and the author of the second in order to amend a motion. Amendments to an amended motion shall be handled in the same manner.
9. Reconsideration of Motions. Any Commissioner who voted in favor of any approved motion may offer a motion to reconsider the motion at any time during the meeting in which the vote took place or during the review of the minutes of the meeting in which the vote took place. A motion to reconsider must pass an approval vote in order to reconsider the action taken. If reconsideration finds that the previously approved motion should stand, no formal vote shall be necessary. If the former motion is to be amended or made void, the reconsideration motion shall be put to a formal vote of the Commission.

10. Motion to Recess. Any Commissioner may offer a motion for recess, and have said motion considered and voted upon, at any point during a Commission meeting. Any such motion shall contain a specific time to reconvene the meeting. No such recess shall be made for a period of time greater than one hour.
11. Dead Motions and New Motions. In the event that a seconded motion does not carry due to the lack of an adequate sustaining vote, the motion is determined to be dead and the discussion and consideration of the agenda item shall continue until another motion and second are offered and approved.
12. Motion to Adjourn. A motion to adjourn shall be required to conclude every Planning Commission meeting, following the addressing of each item on the agenda for that specific meeting. No second shall be required for a motion to adjourn so long as the Chair declares the meeting closed.

**F. VOTING.**

1. Changing a Vote. No Commissioner shall be permitted to change his/her vote once the Chair has declared the result of the decision.
2. Abstention. Any Commissioner may choose to abstain from voting on any agenda item if the Commissioner perceives a personal legal implication or other conflict. Commissioners wishing to abstain may remain at the Commission table and participate in the discussion. Reasoning for abstention is not required to be revealed prior to the vote being taken, but must be disclosed as a part of the Commissioner's vote for abstention in order to ensure that no conflict of interest has occurred. Without limitation, Commissioners may abstain from voting to approve the Commission minutes for any Commission meeting at which that Commissioner was not present.
3. Process of Voting. Any agenda item requiring a vote of the Commission to determine a decision or a recommendation, with the exception of those items requiring a roll call vote, shall be conducted follow the Chair's recognition of a motion and a second regarding the agenda item and the allowance for Commission discussion, by:
  - a. The Chair's request for "All those in favor of the motion regarding...";
  - b. The simultaneous vocalization of "Aye" by the Commissioners voting in favor of the motion;
  - c. The Chair's request for "All those opposed to the motion regarding...";
  - d. The simultaneous vocalization of "Nay" by the Commissioners voting in opposition to the motion;
  - e. the Chair's request for "All those wishing to abstain from voting on the motion regarding...";
  - f. The simultaneous vocalization of "Abstain" by the Commissioners wishing to abstain from voting on the motion; and

- g. The Chair's declaration of the voting results.
- 4. Unanimous or Total Votes. At any time during the voting procedure, described in Section F-3 herein, that a unanimous vote occurs or all Commissioners declare their vote prior to the completion of the process in its entirety, the Chair may immediately supersede the procedure, declare the result of the vote, and proceed with the remainder of the agenda.
- 5. Roll Call Vote. A roll call vote shall be held to vote on motions made regarding:
  - a. The approval of an agenda item where the Commission is the designated approving body;
  - b. Recommendations to the City Council regarding ordinances, amendments to the City Code, adoption or amendment of the General Plan, or the adoption or amendment of any City master plan; or
  - c. The adoption of any Commission resolution.
- 6. Conducting a Roll Call Vote. When a roll call vote is necessary, the Planning Commission Chair shall, following a motion, second, and Commission discussion, request a vote individually from each Commissioner present. Each Commissioner shall, when called upon, declare their vote orally by stating "Aye" if voting in favor of the motion being considered. "Nay" if voting in opposition of the motion being considered, or "I abstain from voting due to ..." When a roll call vote is necessary, each Commissioner's vote shall be recorded individually in the official minutes of the meeting.

#### **G. SUSPENSION OF RULES.**

- 1. Non-Exclusive Rules. The rules set forth are not exclusive and do not limit the inherent power or general legal authority of the Commission, or its Chairperson, to govern the conduct of Commission meetings as may be considered appropriate from time to time or in particular circumstances for the purposes of orderly and effective conduct of the affairs of the City.
- 2. Amendment and adoption of Commission by-laws to supersede those contained herein shall follow the same procedure as the adoption of these by-laws. A motion may be made by any Commissioner to review the by-laws for amendment at any time following their inception. A sustaining vote shall be required to open the review of the by-laws for amendment.
- 3. The adoption of these by-laws, and any successors, shall be done only after the publication of a notice of review and adoption of these by-laws in a newspaper of general circulation within the City at least 14 days prior to the meeting in which the adoption will be considered.

4. The general public shall have the opportunity to review and comment upon these by-laws prior to the adoption by the Commission.

**H. RECORDING OF BY-LAWS.**

1. These by-laws, and all subsequent amendments, shall be recorded by the City Recorder and copies of which shall be distributed to each Commissioner and the Community Development Department.

Approved by the Santaquin City Planning Commission this 12<sup>th</sup> day of November, 2019

\_\_\_\_\_  
Trevor Wood, Planning Commission Chair

Attest: \_\_\_\_\_  
Kira Petersen, Deputy Recorder

Approved by the Santaquin City Council this 17<sup>th</sup> day of December, 2019

\_\_\_\_\_  
Kirk Hunsaker, Mayor

Attest: \_\_\_\_\_  
Aaron K. Shirley, City Recorder



**RESOLUTION 12-03-2019**  
**A RESOLUTION APPROVING A MEMORANDUM OF**  
**UNDERSTANDING (MOU) BETWEEN THE UTAH**  
**DIVISION OF FORESTRY, FIRE AND STATE LANDS AND**  
**THE SANTAQUIN FIRE DEPARTMENT**

**BE IT HEREBY RESOLVED:**

**SECTION 1:** The attached document represents the Memorandum of Understanding (MOU) between the Utah Division of Forestry, Fire and State Lands and the Santaquin Fire Department.

**SECTION 2:** This Resolution shall become effective upon passage.

Approved on this 17<sup>th</sup> day of December 2019.

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Kirk F. Hunsaker, Mayor

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K. Aaron Shirley, City Recorder



**Utah Wildfire Resource Memorandum of Understanding**  
**Between**  
**Utah Division of Forestry, Fire, and State Lands**  
**And**  
Santaquin

This Utah Wildfire Resource Memorandum of Understanding (“UWRMOU”) is made by and between Santaquin, an eligible entity as described in Utah Code § 65A-8-203 (1) (a), hereinafter referred to as the “Department” or “District” as appropriate, and the State of Utah, Department of Natural Resources, Division of Forestry, Fire and State Lands, hereinafter referred to as “Division”. This UWRMOU is an addendum to the Cooperative Agreement between the Division and the Department or District. The “Department” or “District” and the “Division” shall hereafter be referred to jointly as “Parties”.

**PURPOSE OF UWRMOU:**

This UWRMOU provides a mechanism for procurement, use, and compensation for services provided to the State of Utah and its cooperators by the Department or District outside of its jurisdictional area of responsibility or service area pursuant to cooperative agreements, operating plans, closest forces agreements, and suppression resource needs in support of fire management activities.

This UWRMOU may also be used for the purposes of procuring personnel and equipment for the purposes of other fire management activities, under the direction of the Division, such as fuels mitigation and prescribed fire projects both inside and outside of the Department or District’s jurisdictional area. Any project work with costs exceeding \$5,000 must be done under the conditions of a separate agreement.

Due to safety concerns, insurance liability, and the intent of the program, this MOU does NOT support or allow for the use of Supplemental Firefighters and/or Supplemental Fire Department Resources as defined in this agreement.

**DEFINITIONS:**

Cooperative Agreement	An agreement between the Division and an Eligible Entity wherein the Eligible Entity agrees to meet a Participation Commitment and provide Initial Attack for wildland fire, and the Division agrees to pay for wildland fire suppression costs following a Delegation of Fire Management Authority as found in Utah Code § 65A-8-203.1 (2017), as well as all aviation asset costs charged to the incident.
Closest Forces	The use of the closest available appropriate qualified firefighting resources, regardless of agency, for initial attack.
Eligible Entity	As defined in Utah Code § 65A-8-203 (2017), a county, municipality, special service district, local district, or service area with wildland fire

	<p>suppression responsibility as described in Utah Code § 11-7-1 and wildland fire suppression cost responsibility and taxing authority for a specific geographic jurisdiction; or, with approval by the FFSL director, a political subdivision established by a county, municipality, special service district, local district, or service area that is responsible for providing wildland fire suppression services and paying for the cost of wildland fire suppression.</p>
Mutual Aid	<p>Reciprocal emergency response agreement between jurisdictional neighbors in which assistance is rendered. This is done at no cost to the receiving agency.</p>
Cooperator(s)	<p>Cooperator under this agreement means agencies, entities or other stakeholders, other than the parties to this agreement, that agree to work or operate in a cooperative manner under written agreement with the Division toward common objectives such as fire suppression.</p>
Department or District	<p>Refers to the fire Department or fire District that is party to this UWRMOU.</p>
NWCG	<p>The National Wildfire Coordinating Group (NWCG) is made up of the USDA Forest Service; four Department of the Interior agencies: Bureau of Land Management (BLM), National Park Service (NPS), Bureau of Indian Affairs (BIA), and the Fish and Wildlife Service (FWS); and State Forestry agencies through the National Association of State Foresters. The purpose of NWCG is to coordinate programs of the participating wildfire management agencies so as to avoid wasteful duplication and to provide a means of constructively working together. Its goal is to provide a more effective execution of each agency's fire management program. The group provides a formalized system to agree upon standards of training, equipment, qualifications, and other operational functions.</p>
FEPP	<p>Federal Excess Personal Property (FEPP) program; Federal property originally purchased for use by a Federal agency, but no longer needed by that entity, is acquired by the USDA Forest Service for loan to one of the 50 States or Territories for use in the State's rural or wildland fire protection program. As a result, the equipment stays in service to the United States, protecting lives and property across the nation. The Federal Government retains the title. The property must be returned to Federal Government when no longer used within the fire program.</p>
Independent Action	<p>Action taken on lands under the protection responsibilities of another agency/entity without the notification and approval, of that agency or entity.</p>
Fire Management	<p>All activities required to manipulate wildland fire in order to protect prescribed fire, prevention and education, hazardous fuel mitigation,</p>
FBS	<p>Fire Business System is a web based billing system that the Division has developed to streamline the invoicing process for services rendered under this UWRMOU.</p>

Supplemental Fire Fighters Or Supplemental Fire Department Resources	Overhead and equipment that is not considered a permanent part of the Department or District and is not required to attend scheduled training, meetings, or respond to local emergencies etc. of the Department or District.
MOU Advisory Council	The MOU Advisory Council convened by the Utah State Forester to advise and support the Utah Division of Forestry, Fire and State Lands' Wildfire Management Program's oversight and implementation of the UWRMOU

#### **RECITALS:**

WHEREAS, it is in the best interest of the State of Utah and its cooperators to have wildland fires detected and suppressed quickly before they become large and more difficult to control; and,

WHEREAS, the Department or District may have the capability to respond and suppress fires under the jurisdiction of the Division and/or its cooperators in a more timely and effective basis than any other assets or resources in the state; and,

WHEREAS, the Department or District may have the capabilities and resources to assist the Division with fire hazard mitigation projects that mutually benefit both parties; and,

WHEREAS, the Department or District represents that it is a duly constituted fire department, fire district, or non-profit association or political subdivision of the State of Utah authorized to provide fire protection within the boundaries of the **map attached** hereto and by reference made a part hereof (Appendix A); and,

WHEREAS, the Department or District, may also have a limited number of units of firefighting equipment, that can be made available to the Division for fire management work.

NOW THEREFORE, the parties to this agreement do hereby agree as follows:

#### **The Division Agrees:**

1. To provide personnel and wildland firefighting resources inside the jurisdictional boundary of the Department or District when deemed available by the Division, and when the Department or District has exhausted its own resources or capabilities and has requested assistance from the Division and / or its cooperators. Payment for the Division's and cooperator resources will be based upon the suppression resources furnished at the actual cost of those resources to the Division as described in Utah Code § 65A-8-203.2, unless otherwise provided in a Cooperative Agreement with the Division as provided in Utah Code § 65A-8-203.
2. To make available organizational training, technical assistance, and other expertise as available to the Department or District.
3. To make available such firefighting equipment as can be obtained and is suitable for the use of the Department or District in fire management work through programs such as FEPP by custodial agreement and the terms set forth in the Cooperative Fire Protection Agreement with the Counties throughout Utah.
4. To produce, update, and distribute a handbook or manual that references rates, procedures and other references associated with this UWRMOU.
5. To provide necessary forms as needed by the Department or District in executing its

responsibilities under this agreement to the Division.

6. That the Department or District may refuse to furnish fire, EMT's, ambulance, or other personnel and equipment, when requested by the Division if, by doing so, it would reduce the Department or District resources to a level where it can no longer maintain an adequate level of fire protection or public safety on lands within its jurisdictional boundary or service area.
7. To allow the Department or District to purchase wildland firefighting equipment and supplies through the Division's procurement system.
8. To inspect the Department or District's equipment annually or prior to use pursuant to NWCG guidelines and standards. Random testing of pumping and drafting capabilities and inspection of the radio programming may also occur during this inspection. This inventory inspection does not replace the safety inspection required for vehicle license and registration by the State of Utah.

**The Department Or District Agrees:**

1. To provide the Division Area Office with a written report on all known wildland fires for which the Department or District wishes to be reimbursed. The report information is required for payment. **Note:** if a state or federal representative is on-scene, that person may relieve the Department or District of this requirement.
2. The Department or District may be requested to engage in fire management outside of the Department or District's jurisdictional boundaries or service area, such as another District, county, or state, provided that, in doing so, the Department or District's resources would not be reduced to a level where the Department or District can no longer maintain an adequate level of fire protection on lands within its own jurisdictional boundary or service area.
3. To maintain and make available for use at the request of the Division, a work force and equipment subject to the provisions of this agreement, the Division's Fire Department Manual and Rate Book and the Fire Department Fire Rate Agreement contained within the Fire Business System application and attached hereto as Appendix B.
4. To accept direction and supervision by the Division or duly authorized representatives or NWCG or equivalent qualified cooperators while engaged in suppression or fuels management activities at the Division's request. Also, to comply with the National Incident Management System (NIMS) Incident Command System (ICS) for protocol on the incident.
5. To maintain the following documentation on board all vehicles listed on the Fire Department Fire Rate Agreement:
  - A current equipment inventory list
  - Letter of Cooperator verification
  - A copy of the Fire Department Rate Agreement
  - A copy of this UWRMOU
  - Division's Fire Department Manual and Rate Book (current year)
  - Vehicle registration, DOT safety inspection (or equivalent) and proof of vehicle insurance
6. Each firefighter engaging in direct fire suppression, structural protection or prescribed fire must have a current "red card" in his or her possession while working under this UWRMOU. Details are found in the Division's Fire Department Manual and Rate Book.
7. To use the FBS for all invoicing for reimbursement for services rendered under this UWRMOU.

A profile must be set up in FBS before any billing can be submitted. Contact your local area office for any further assistance in setting up your profile.

8. To submit claims for reimbursement to the Division's area office within thirty (30) days after the release of its workforce and/or equipment, or as soon as possible, in the manner and form prescribed by the Division. **No claims for reimbursement will be accepted after the end of the calendar year.**
9. To maintain wildland fire training qualifications and equipment standards as set forth by the Division. Personnel requested for structure protection on wildland urban interface or similar fires will be qualified to the level required for their structural firefighting position **and** basic wildland firefighter (i.e. "red card") certifications.
10. To provide self-insurance or the following insurance with a carrier authorized to conduct business within the State of Utah with the following minimum coverage:
  - a. Workers' Compensation - Statutory for State of Utah
  - b. Employers' Liability;
    - i. \$100,000 each accident;
    - ii. \$100,000 each employee disease; and
    - iii. \$500,000 each policy limit disease
  - c. Commercial general liability limits of \$1,000,000 per occurrence and general aggregate limit. The policy shall contain a severability of interest provision, which shall include coverage for:
    - i. Bodily injury;
    - ii. Property damage;
    - iii. Premises liability; and
    - iv. Personal injury.
  - d. Automobile insurance coverage of \$1,000,000 combined single limit for each occurrence for all owned, hired or non-owned vehicles, applicable to claims arising from bodily injury or death to any person or damage to property arising out of the ownership, maintenance or use of any vehicle.
  - e. Annual Certificate of Insurance or Proof of Self-Insurance shall be provided to the Division as evidence that policies providing the required coverage and limits are in full force and effect.

#### **IT IS MUTUALLY AGREED:**

1. The Parties to this UWRMOU shall each be responsible for their own losses arising out of the performance of this Agreement and each Party hereby waives any claim against any other Party for any loss, damage, personal injury, or death in the Party, or its employees or agents, occurring as a consequence of the performance of this Agreement; provided, this provision shall not relieve any Party from responsibility for claims of third parties for losses for which the Party is otherwise legally liable. Third party claims will be processed by the protecting agency.

To the fullest extent permitted by law, the Division, the State of Utah and the Department of Natural Resources and the Department or District mutually agree to defend, indemnify and hold each other and their agents and employees harmless from and against all claims, damages, losses and expenses relating to, arising out of, resulting from, or alleged to have resulted out of any fire management activity conducted pursuant to this agreement, except that each party shall bear liability for its own intentional and negligent acts or omissions and the intentional and negligent acts or omissions of its employees or agents.

2. That claims arising from weight and balance, structural modifications and gross vehicle weight of any vehicle subject to this UWRMOU are the sole responsibility of the Department or District to whom the vehicle belongs or possesses by agreement. The Division and its cooperators shall be held harmless by the Department or District whose vehicles are involved for any liabilities, damage, injury or claims that arise from the use and involvement of said equipment in the fighting of fires or other official use as provided for in this UWRMOU. Any vehicles, including FEPP that the Department or District deems not suitable for the purpose of fire suppression shall be taken out of service immediately and removed from the Fire Department Fire Rate Agreement.
3. The Division will pay and reimburse the Department or District for fire suppression services including equipment and personnel listed on the Fire Department Rate Agreement. Rates are established by the Division and in coordination with the MOU advisory council may be adjusted annually. Payment for fire suppression shall be made only for such activities on land outside the Department or District's established jurisdictional boundaries or mandated service area, when requested by the agency having jurisdiction. Upon mutual agreement between the jurisdiction and the Division, the Department or District may receive reimbursement for services for extended attack within their own service area if qualified under the terms of this agreement. Payment for prescribed fire and fuels work may be made for services both inside and outside of the Department or District's area of jurisdiction or service area.
4. The Department or District will also be reimbursed for fires on state or federal wildlands within its geographical boundaries or service area, when the Division requests services. Although, suppression action may occur under closest forces or mutual aid in order to protect the Department or District's jurisdiction or neighboring jurisdictions during initial attack, reimbursement under this UWRMOU should not be assumed.
5. Resources will be tracked by the local Interagency Fire Center by use of systems such as ROSS (IROC) or WildCad (InFORM). Resources covered under this agreement shall comply with ICS/NIMS demobilization procedures and not "self-demobilize" from the assigned incident. The Division's area duty officer must approve dispatches outside of the local Interagency Fire Center dispatch zone.
6. Radio communications equipment standards under this agreement shall be narrow band (12.5 mhz) compliant. Resources being utilized within a "local area" only must have the capability of communicating by radio with the local Interagency Fire Center via the appropriate radio repeaters as well as communicate with field units on pre-programmed tactical and air to ground frequencies. Resources made available for dispatch outside of the local area shall have the ability to program all radios in the field.
7. Staffing of ordered equipment shall follow the standard staffing identified in the Fire Department Rate Agreement. However, if standard staffing cannot be achieved, a deduction will occur on the invoice **or** the equipment may be released for failure to comply with the terms of the Fire Department Rate Agreement. Staffing that exceeds the standard staffing identified in the Fire Department Rate Agreement or extra personnel must be approved at the time of the dispatch request. Staff that does not meet the NWCG minimum staffing requirements will not be reimbursed.
8. Support and Command vehicles shall only be eligible for compensation if ordered and approved by the Division on a case-by-case basis. Support and Command vehicles must appear on the Department or District's Fire Rate Agreement.
9. Payment to the Department or District will be made for services rendered. The Division will not be responsible for distribution of funds to individuals or entities other than the party to this agreement.

The Parties hold harmless or indemnification agreement is subject to the terms and conditions of

the Governmental Immunity Act of Utah, UCA 63G-7-101 et.seq. The parties expressly claim the privileges and immunities contained in of the Governmental Immunity Act of Utah, including but not limited to the limitations of liability contained therein.

10. That the Department or District will be hired and reimbursed as set forth in the Fire Department Rate Agreement.
11. Equipment under the Fire Department Rate Agreement will not receive reimbursement for loss, damage or destruction of equipment due to ordinary wear and tear or loss. Damage which occurs as the result of driver / operator negligence or poor maintenance will be the responsibility of the Department / District.
12. Replacement of expendable supplies such as, but not limited to foam concentrate, MRE's, backfiring fusees, etc. may be replaced by the incident by use of a general message form or use of the Fire Incident Replacement form and approved by the line supervisor or a Division representative.
13. Fire department personnel under agreement with the State, are eligible for 2 days of paid Rest and Recovery (R&R) after an assignment of fourteen or more consecutive days outside their area of jurisdictional responsibility. Cost of R&R will be charged to the ordering incident.
14. This agreement may be modified only by a written amendment signed by the parties. However, if mutually agreed, the parties may enter into specific supplemental written agreements, subject to appropriate approvals, to accomplish the goals of this agreement and to carry out its terms and conditions.
15. The Division does not sponsor Supplemental Fire Department Resources. There will be no reimbursement for supplemental resources.
16. Either party may terminate this agreement by written notice given to the other party, thirty (30) days in advance of the effective date of such termination.
17. The parties' performances under this agreement shall be without discrimination as to race, color, creed, sex, or national origin.
18. All notices required by this agreement shall be in writing delivered to the person and address specified below or to such other persons or addresses as either party may designate to the other party by written notice.
19. Signature of this agreement by a Department or District constitutes acceptance of rates as described in the annual publication of the *Fire Department Manual and Rates*.
- 20.

**SIGNATURES**

Department or District:	Division of Forestry, Fire and State Lands
Address:	Address:
Phone #:	Phone #:
Authorized Agent:	Authorized Agent:
Authorized Signature:	Authorized Signature:
Date:	Date:
This MOU was approved as to form without modifications by Fredric J. Donaldson, Assistant Attorney General, on November 1, 2019.	

Participating Entity Representative: \_\_\_\_\_

Date: \_\_\_\_\_

**List of Appendices:**

- A. Department or District Jurisdictional Boundary Map (provided by District or Department)
- B. Fire Department Rate Agreement



**RESOLUTION 12-04-2019**  
**A RESOLUTION APPROVING A MEDICAL DIRECTOR**  
**SERVICE AGREEMENT FOR THE SANTAQUIN EMS**  
**DEPARTMENT WITH DR. MARK N. BAIR**

**BE IT HEREBY RESOLVED:**

**SECTION 1:** The attached document represents a Medical Director Service Agreement for the Santaquin EMS Department with Dr. Mark N. Blair.

**SECTION 2:** This Resolution shall become effective upon passage.

Approved on this 17<sup>th</sup> day of December 2019.

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Kirk F. Hunsaker, Mayor

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K. Aaron Shirley, City Recorder

**SANTAQUIN EMERGENCY SERVICES/OFF-LINE  
MEDICAL DIRECTOR SERVICE AGREEMENT FOR  
SANTAQUIN FIRE/EMS DEPARTMENT**

**THIS AGREEMENT** is made and entered into by and between SANTAQUIN FIRE DEPARTMENT, a Utah municipal corporation, for and on behalf of itself and the SNATAQUIN FIRE AND EMS Department, (hereinafter "City"), and DR. MARK N. BAIR, a duly licensed Emergency Physician, (hereinafter "Physician").

**RECITALS**

**WHEREAS**, City operates, maintains and staffs an Emergency Medical Service (EMS) department requiring licensing from the State of Utah pursuant to the Utah Administrative Code Rule 426-14-101; and

**WHEREAS**, said EMS holds ambulance PARAMEDIC service license number 2513-L; and

**WHEREAS**, City desires to continue to hold said license and to provide EMS coverage within its municipal boundaries; and

**WHEREAS**, Rule 426-15-401 of the Utah Administrative Code requires that "All licensees and quick response units must enter into a written agreement with a physician to serve as its off-line medical director to supervise medical care provided by the field EMS personnel."; and

**WHEREAS**, City desires to be in compliance with said Administrative Rule; and

**WHEREAS**, Physician desires to provide certain off-line medical director services to the City's Fire Department (hereinafter "Department"), as required by applicable law, rules and regulations, and as agreed to by the parties hereto; and

**WHEREAS**, City desires to engage Physician to provide said services.

**NOW, THEREFORE**, in consideration of the promises and covenants hereinafter contained, it is agreed, by and between the parties hereto, as follows:

**Section 1 – Term of Agreement.**

- 1.1 **Term of Contract.** Physician shall provide the off-line medical director services required by the City for a period of twelve (12) months commencing on the date of execution of this Agreement and automatically renewed each year on the anniversary date of this Agreement unless otherwise terminated pursuant to the terms of Section 6 hereafter.

**Section 2 – Physician's Duties.**

- 2.1 Physician shall serve as the training consultant for City's EMS department and shall be responsible for supervising the City's EMS continuing education and quality assurance programs in accordance with the State of Utah's in-service training requirements, and shall develop,

maintain, and train members of the department using Utah County Protocols and appropriate clinical operating guidelines.

2.2 Physician shall:

- (a) Hold at a minimum, a one-hour lecture for CME based on a teaching curriculum aimed at preparing Paramedics and EMT's for recertification.
- (b) Hold bimonthly Quality Assurance meetings to discuss cases and issues from any or all agencies in the area.
- (c) Provide consultation for immediate case review on an as needed basis.
- (d) Provide consultation for Paramedic and EMT status reviews.
- (e) Assist, when needed, in arranging all appropriate training for the department.
- (f) Possess and maintain in full force and effect all licenses and permits required to practice medicine in the State of Utah and to perform the services required by this Agreement.
- (g) Possess and maintain a working knowledge of EMS laws and regulations, EMS dispatch and communications; and local mass casualty and disaster plans.
- (h) Be a graduate of a national or state EMS Medical Director Course.

2.3 Physician shall supervise the medical care provided by the City's field EMS personnel, as required by Rule R426-15-401 of the *Utah Administrative Code*, April 2009, as amended.

2.4 Physician shall consult with the EMS Director and shall provide on-site observation of EMS procedures in patient treatment on a not less than potentially quarterly basis; and shall utilize insights derived therefrom to improve the City's EMS training program and individual EMS personnel performance.

2.5 In accordance with Rule 426-15-401 of the Utah Administrative Code, April 2009, as amended, the Physician shall:

- (a) Develop and implement patient care standards which include written standing orders and triage, treatment, and transport protocols;
- (b) Ensure the qualification of field EMS personnel involved in patient care and dispatch through the provision of ongoing continuing medical education programs and appropriate review and evaluation;
- (c) Develop and implement an effective quality improvement training program, including medical audit, review, and critique of patient care;
- (d) Annually review triage, treatment, and transport protocols, and update them as necessary;

- (e) Suspend from patient care, pending review by the applicable State agency, field EMS personnel who do not comply with local medical triage, treatment and transport protocols; who violate any of the EMS rules; or who the Physician determines is providing EMS in a careless or unsafe manner. Physician, or the agency designee, shall notify the appropriate State agency within one (1) business day of any such suspension; and
- (f) Attend meetings of the local EMS Council, if one exists, and as able, to participate in the coordination and operations of local EMS providers.

2.6 The Physician shall serve as the liaison between the City EMS department and the administration and medical staff of Utah County hospitals.

2.7 Physician shall serve as the Off-line Medical Director for the City's EMS, and shall act as a consultant to the City in the areas of:

- (a) EMS equipment selection;
- (b) Program direction;
- (c) EMS competency evaluations of personnel; and
- (d) Operational policy and procedure.

### **Section 3 – Compensation.**

3.1 **Salary.** Physician shall be paid \$ \_250.00 \_\_\_per quarter for a total of \$ \_1000.00 per year. Said maximum may be increased by mutual consent of the parties, and upon approval by the appropriate city official(s).

3.2 **Payment Schedule.** Physician shall be paid on or about August 15<sup>th</sup> each calendar year after services have been rendered. All financial commitments by the City shall be subject to the availability of funds approved by the City Council and limitations on future budget commitments provided under the Utah State Constitution and Utah State Statutes.

### **Section 4 – Insurance Coverage.**

4.1 Physician, as EMS Medical Director, shall carry the following insurance coverage:

(a) Worker's Compensation Insurance coverage sufficient to cover the Physician's employees, if any, and shall furnish a Certificate of Insurance verifying said coverage. Said policy to provide that coverage thereunder shall not be cancelled or modified without at least thirty (30) days prior written notice to the City.

(b) Professional liability insurance coverage equal to or greater than \$1,000,000.00 per incident and \$3,000,000.00 per annual aggregate medical claims. Physician shall furnish Certificates of Insurance verifying the foregoing to the City.

(c) In the event that governmental immunity limits are subsequently altered by legislation or by judicial opinion, the Physician will be required to provide a new Certificate of Insurance within thirty (30) days of being notified thereof in writing by the City, certifying coverage in compliance with the modified limits or, if no new limits are specified, in such an amount as may be reasonably acceptable to the City Attorney's Office.

#### **Section 5 – Compliance with Applicable Law**

5.1 The Physician shall obey all laws, ordinance, regulations and rules of the Federal, State, County and Municipal governments which may be applicable to its operations. Said laws include, but are not limited to, the Equal Employment Opportunity laws, the Fair Labor Standards Act (FLSA), Occupational Safety and Health Administration (OSHA), and the Americans with Disabilities Act (ADA).

5.2 Any violation of applicable law shall constitute a breach of this Agreement and the Physician shall hold the City harmless from any and all liability arising out of, or in connection with, said violation(s), including any attorney fees and costs incurred by the City as a result of such violation.

#### **Section 6 – Termination of Agreement**

6.1 Either party may terminate this Agreement for any reason or for no reason upon giving the other party not less than thirty (30) days written notice of the intent to terminate. Said notice shall be sent postage prepaid to the last known address of the party to be notified.

6.2 The City may, without prejudice to any right or remedy which it may have, and without the necessity of giving the thirty (30) day notice as set forth in Section 6.1 above, terminate this Agreement for cause in the event Physician fails to fulfill in a timely manner or in a satisfactory manner, any of the Terms and Conditions set forth in this Agreement, and/or fails to cure any default or breach hereof after thirty (30) days written notice from the City of such default or breach.

6.3 In the event that this Agreement is terminated as provided herein, the City shall pay the Physician for any actual services satisfactorily performed prior to the termination date, as calculated by the City.

#### **Section 7 – Non Discrimination**

The Physician, for himself and his successors and assigns (if any), warrants and covenants that no person shall – solely on the grounds of race, color, national origin, age, sex, religion, or non-job related disability—be excluded from participation in, denied the benefits of, or be otherwise subject to discrimination in the furnishing of services provided or required herein, unless such action is lawful and the characteristic is a bona fide occupational qualification.

## **Section 8 - Indemnification**

Each party hereto agrees to indemnify and hold harmless the other party from any and all claims, suits, damages, and losses arising out of or resulting from the other party's performance of or failure to perform its duties under this Agreement; that the City agrees to defend, indemnify and hold harmless the Physician against any and all claims arising out of the acts or omissions of the City or any of its officers, officials, agents, and/or employees; and that the Physician agrees to defend, indemnify and hold harmless the City, its officers, officials, agents, and/or employees from any and all claims arising out of the acts or omissions of the Physician or any of his employees, agents, or representatives.

## **Section 9 – Employment Status of Physician**

It is understood and agreed by the parties that the Physician is not, and shall not be considered for any purpose whatsoever, an employee of the City; but rather, that the Physician is and shall be an independent contractor at all times during the performance of the services specified in this Agreement.

## **Section 10 – Severability, Interpretation and Captions**

The invalidity of any portion of this Agreement shall not prevent the remainder thereof from being carried into effect; whenever the context of any provision shall require it, the singular number shall be held to include the plural number, and vice-versa; that the use of any gender shall include any and all genders; and that the paragraph and section headings in this Agreement are for convenience only and do not constitute a part of the provisions hereof.

## **Section 11- Notice**

All notices to the parties, unless otherwise directed, shall be sent or delivered to the following addresses:

For the City:

SANTAQUIN FIRE/EMS

c/o CHIEF RYAN LIND

275 West Main Street

Santaquin, Utah 84655

For the Physician:

Mark N. Bair, MD

6048 West Dry Creek Cove

Highland, Utah 84003

## **Section 12 – Assignment**

This Agreement shall not be assigned by either party without the prior written consent of the other party hereto.

## **Section 13 – Entire Agreement**

This Agreement embodies the entire Agreement between the parties and shall not be altered except in writing, signed by both parties.

**Section 14 – Ambiguity**

Any ambiguity in this Agreement shall be construed in favor of AGENCY .

**Section 15 – Interpretation and Enforcement**

This Agreement shall be governed by and enforced according to the laws of the State of Utah.

SIGNED AND ENTERED INTO THIS \_\_\_\_ day of \_\_\_\_\_, 2019.

AGENCY :

PHYSICIAN:

By: \_\_\_\_\_

\_\_\_\_\_

Its: \_\_\_\_\_

Mark N. Bair, MD

ATTEST:

\_\_\_\_\_

\_\_\_\_\_, City Recorder

# Santaquin City Resolution 12-05-2019

## A RESOLUTION DECLARING SURPLUS PROPERTY OF SANTAQUIN CITY

**WHEREAS**, the City of Santaquin has an inventory of assets primarily used or purchased for use by all employees, and

**WHEREAS**, this property is of no use to any department of Santaquin City, and

**WHEREAS**, the storage of this property could become a nuisance,

**NOW, THEREFORE, BE IT RESOLVED**, the following items be disposed of as deemed appropriate and complies with Utah State and Santaquin City's laws and Ordinances.

- Old Police Department Refrigerator used for Evidence Storage

Approved and adopted by the Santaquin City Council this 17<sup>th</sup> day of December, 2019.

Attest:

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Kirk F. Hunsaker, Mayor

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K. Aaron Shirley, City Recorder





## MEMORANDUM

To: Santaquin City Mayor & Council  
From: Benjamin A. Reeves, Santaquin City Manager  
Date: December 17, 2019  
Subject: Establishment of Historic Preservation Commission

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Mayor & Council,

Recently, Council Member Montoya, Leisure Service Director Bradley, Assistant City Engineer Lundell and I met with representatives of the Utah Division of State History to take a tour of the Chieftain Museum. During the tour, these officials invited Santaquin City to participate in the Certified Local Government (CLG) Program. (For more information on the program please go to <https://history.utah.gov/preservation/certified-local-governments-clgs/>)

Participation in this program will open the door for our community to seek Federal and State grants for the purpose of preserving buildings within our community. Neighboring communities such as Payson, Salem and Spanish Fork have participated in this program for many decades.

This ordinance is before you for your consideration. It does not commit you to preserving any specific structure, however it will open the door to possible funding which can help to study and determine which structures are most viable for preservation.

It is anticipated that this item will be placed on the Consent Actions Items portion of the agenda. Please let me know if you have any questions or concerns.

Thanks!

ORDINANCE NO. 12-01-2019

AN ORDINANCE CREATING TITLE 2 CHAPTER 10 - ESTABLISHING A HISTORIC PRESERVATION COMMISSION TO SURVEY AND INVENTORY COMMUNITY HISTORIC RESOURCES, TO REVIEW PROPOSED NOMINATIONS TO THE NATIONAL REGISTER OF HISTORIC PLACES, TO REVIEW APPLICATIONS FOR CERTIFICATES OF APPROPRIATENESS, TO PROVIDE ADVICE AND INFORMATION TO CITY OFFICIALS AND OTHER GOVERNMENTAL OFFICIALS AND TO SUPPORT ENFORCEMENT OF STATE HISTORIC PRESERVATION LAWS.

BE IT ORDAINED BY THE CITY COUNCIL OF SANTAQUIN, UTAH COUNTY, STATE OF UTAH, AS FOLLOWS:

**SECTION 1: Purpose.** Santaquin City recognizes that the historical heritage of the community is among its most valued and important assets. It is therefore the intent of Santaquin City to identify, preserve, protect and enhance historic buildings, structures, sites, objects, and districts lying within the city limits of Santaquin City.

**SECTION 2: Historic Preservation Commission.** A Historic Preservation Commission is hereby established by Santaquin City with the following provisions:

- a. The commission shall consist of at least five (5) members.
- b. All commission members must have a demonstrated interest, knowledge, or experience in the fields related to historic preservation.
- c. To the extent available in the community, at least two (2) members of the commission shall be professionals in fields related to historic preservation (i.e., history, architectural history, archaeology, historic architecture, or planning).
- d. Commission meetings shall be held at least twice a year.
- e. Written minutes of each commission meeting shall be prepared and made available for public inspection.

**SECTION 3: Commission Duties.** The Historic Preservation Commission shall have the following duties.

- a. Advise the City Council and other interested parties in the community on matters related to historic preservation and history.
- b. Coordinate with other City entities and community organizations related to the community's history and cultural affairs.
- c. Conduct surveys of local historic properties in compliance with standards set by the State Historic Preservation Office.
- d. Maintain an inventory of surveyed historic properties, including site forms and related support materials, in a publicly accessible location.
- e. Participate in planning and land-use processes undertaken by the City that have the potential to affect historic properties.
- f. Promote and conduct educational and interpretive programs related to the community's history and historic properties.
- g. Review and comment to the State Historic Preservation Office regarding all proposed National Register nominations of properties in the community
- h. Apply for and administer grants and other financial aid for historic preservation and history-related projects in the city.

## Recommended Amendments

**SECTION 4: Standards for Rehabilitation and Design Guidelines.** The following standards and guidelines shall be used by the Historic Preservation Commission in advising the City Council and other parties on the appropriate treatment of historic properties

- A. Standards for Rehabilitation.** These standards apply to historic buildings of all periods, styles, types, materials, and sizes. They apply to both the exterior and the interior of historic buildings. The Standards also encompass related landscape features and the building's site and environment as well as attached, adjacent, or related new construction.
1. A property shall be used for its historic purpose or be placed in a new use that requires minimal change to the defining characteristics of the building and its site and environment.
  2. The historic character of a property shall be retained and preserved. The removal of historic materials or alteration of features and spaces that characterize a property shall be avoided.
  3. Each property shall be recognized as a physical record of its time, place, and use. Changes that create a false sense of historical development, such as adding conjectural features or architectural elements from other buildings, shall not be undertaken.
  4. Most properties change over time; those changes that have acquired historic significance in their own right shall be retained and preserved.
  5. Distinctive features, finishes, and construction techniques or examples of craftsmanship that characterize a property shall be preserved.
  6. Deteriorated historic features shall be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature shall match the old in design, color, texture, and other visual qualities and, where possible, materials. Replacement of missing features shall be substantiated by documentary, physical, or pictorial evidence.
  7. Chemical or physical treatments, such as sandblasting, that cause damage to historic materials shall not be used. The surface cleaning of structures, if appropriate, shall be undertaken using the gentlest means possible.
  8. Significant archeological resources affected by a project shall be protected and preserved. If such resources must be disturbed, mitigation measures shall be undertaken.
  9. New additions, exterior alterations, or related new construction shall not destroy historic materials that characterize the property. The new work shall be differentiated from the old and shall be compatible with the massing, size, scale, and architectural features to protect the historic integrity of the property and its environment.
  10. New additions and adjacent or related new construction shall be undertaken in such a manner that if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired.
- B. General Design Guidelines.** These Guidelines expand on some of the concepts articulated in the Standards in Section 4A.
- 1. Historic Sites, Historic Buildings, and Contributing Buildings in Historic Districts.**
    - a. Avoid demolition of historic and contributing buildings. They are a finite resource and cannot be replaced.
    - b. Vacant buildings should be weather- and vandal-proofed in order to minimize further deterioration and the threat to public safety.
    - c. Rehabilitation work, especially on the exterior and the principal facade, should preserve existing historic features or replace them, if absolutely necessary, with features and

materials known to have existed on the building. Avoid “dressing up” buildings by adding features based on speculation.

- d. Avoid moving buildings whenever possible, especially to create artificial groupings of historic buildings. If buildings must be moved, the new site should be similar to the original site, and the original setback and orientation of the building on the lot should be replicated.

**2. Additions to Historic Buildings and New Construction Within an Historic District.**

- a. New additions to historic buildings should be subordinate to the original building, that is, lower in height, attached to the rear or set back along the side, and subordinate in scale and architectural detailing.
- b. Height, width, setback, roof shape, and the overall scale and massing of new buildings within a historic district should be compatible with surrounding historic buildings and the overall streetscape.
- c. Materials on at least the primary facade(s) should be similar to original materials on facades of surrounding historic buildings (usually brick, stucco, stone, or wood siding, depending on the specific characteristics of the district).
- d. Architectural details (including wood or metal trim, porches, cornices, arches, window and door features, etc.) should be compatible with but not replicate historic features on surrounding historic buildings.
- e. Window and door openings should be similar in size and orientation (vertical or horizontal) to openings on historic buildings and should take up about the same percentage of the overall facade as those on surrounding historic buildings.
- f. Proportion of Principal Facades. The relationship of the width to the height of the principal elevations shall be in scale with surrounding structures and streetscape. Wider new buildings can be divided into segments that more closely resemble the facade widths of historic buildings.
- g. Roof Shape. The roof shape of a building shall be visually compatible with the surrounding structures and streetscape. Unusual roof shapes, pitches, and colors are discouraged.



## MEMORANDUM

To: Santaquin City Mayor & Council  
From: Benjamin A. Reeves, Santaquin City Manager  
Date: December 17, 2019  
Subject: 6.c.1 FD Brush Truck Equipment Bid Award

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Mayor & Council,

Several months ago, the Santaquin City Council authorized the purchase of a chassis for a new Fire Department Brush Truck pursuant to FY2019-20 approved budget. This chassis was built and is now in our possession awaiting the equipment needed to put it into service. As the cost of this equipment falls within the council's approval authority, bids were obtained which are outlined as follows:

- |  |   |
|--|---|
| 1. Apparatus Equipment & Service, Inc. | \$102,979 (Base Bid), \$4,508 (Options) |
| 2. Ken Garff West Valley               | \$106,000 (Base Bid), \$6,050 (Options) |
| 3. Technology International, Inc.      | \$166,135 (Base Bid), \$8,769 (Options) |

(All bids will be included on the City Council Dropbox for your review)

After an in-depth review and evaluation of the supplier's ability and bid price, Chief Lind and the FD Evaluation Committee recommend the low bid provider "Apparatus Equipment & Service, Inc." pursuant to the terms outlined within the bid.

*Note: The above prices does not include the non-attached equipment such as hoses, ladders, etc. These items will be purchased separately once the fabrication is complete.*

### Recommended Motion:

Motion to Award "Apparatus Equipment & Service, Inc." the fabrication of the 2019-20 Santaquin Brush Truck pursuant to the terms outlined within the bid in an amount, not to exceed \$107,487 (*Base Bid plus Options*)



# Santaquin Fire & EMS

## Brush Truck Specifications

### I. QUOTE

Response from Apparatus Equipment & Service, Inc.

#### 1. PURPOSE

Comply ☒ Exception ☐

The purpose of these specifications as written is an attempt to make comparisons of similar options that are available in the small apparatus industry. Therefore, bidders are required to submit a copy of these specifications (clearly marked) along with drawings, and other requested and pertinent information that will best describe the vehicle bid. **If a bidder does not submit a bid per the instructions in these specifications on a copy of the pages received with yes/no questions answered and exceptions listed and explained as required), the bid will be deemed incomplete and WILL BE REMOVED from the bidding process as non-responsive.**

#### 2. MINIMUM STANDARDS

Comply ☒ Exception ☐

The highest degree of quality materials and building processes is required for the emergency vehicle being proposed. At a minimum, each manufacturer must be a member of FAMA (Fire Apparatus Manufacturing Association) at the date of the proposal submission. All current Federal motor Vehicle Safety standards (FMVSS) must be met. In addition, all current NFPA 1906 must be met except where noted. These specifications shall in no way restrict the bids to any specific brand name. This agency reserved the right and shall determine the "or equal" brand name is truly equal. However, bids will only be considered from manufacturers that produce, assemble and complete apparatus within the continental United States.

#### 3. QUALIFICATION OF QUOTER

Comply ☒ Exception ☐

Successful bidder must be an authorized distributor for the products he/she offers on their apparatus build. Satisfactory evidence of the Bidder's ability to construct the apparatus specified shall be provided as follows:

- A statement showing the location of the factory where the apparatus is to be manufactured.

Salt Lake City, UT

- The Bidder shall state the number of years the manufacturer has been building this specific type of apparatus.

12

- The Bidder shall state the number of years served as a Manufacturer.

12

- All bidders must have all current licenses required by law to do business in the State of **Utah**.
- A statement indicating that the complete apparatus, with the exception of the cab and chassis, shall be assembled by one manufacturer.

YES

- Preference may be given to a company that meets these qualifications and location is within 70 miles of **Santaquin, UT**.

#### 4. WARRANTIES

Comply ☒ Exception ☐

The award will also take into consideration warranty and warranty provisions of the proposed vehicle. The bid shall state the type of warranty that the manufacturer will provide, with copies of warranty coverage and omissions enclosed with these specifications. Warranties will at minimum provide a thirty six (36) months and 36,000 mile warrant on the entire vehicle which covers defective parts and or components of its manufacture. Warranty shall include any and all costs for labor and parts or materials that are required to correct any and all deficiencies. It is not the intent of this requirement that routine preventative maintenance items such as light bulbs, filters, tires, brake linings, windshield wiper blades, etc. be covered.

# Santaquin Fire & EMS

## Brush Truck Specifications

Under this warranty, the apparatus manufacturer shall be responsible for the costs of repairs to the apparatus that have been caused by defective workmanship or materials during this period. This warranty shall not apply to the following:

- Any component parts or trade accessories such as chassis, engines, tires, pumps, valves, signaling devices, batteries, electric lights, bulbs, alternators, and all other installed equipment and accessories, in as much as they are usually warranted separately by their respective manufacturers, or are subject to normal wear and tear.
- Failures resulting from the apparatus being operated in a manner or for a purpose not recommended by the apparatus manufacturer.
- Loss of time or use of the apparatus, inconvenience or other incidental expenses.
- Any apparatus which has been repaired or altered outside of the apparatus manufacturer's factory in any way that affects its stability, or which has been subject to misuse, negligence, or accident.

**a. THREE YEAR CHASSIS WARRANTY**

Comply ☒ Exception ☐

The manufacturer of the chassis shall warranty the chassis for a period of at least Three Years. As an apparatus may be integrally married to the chassis and this is an emergency vehicle, the government reserves the right at its discretion to call upon apparatus warranty first to determine whether the issue is a chassis or an apparatus problem at no charge.

**b. THREE YEAR APPARATUS WARRANTY**

Comply ☒ Exception ☐

All materials and workmanship herein specified, including all equipment furnished, shall have a warranty for a period of three (3) years after the acceptance date of the apparatus, unless otherwise noted, with the exception of any normal maintenance services or adjustments which shall be required. A copy of the warranty shall be submitted with the Bidder's proposal.

**c. WATER TANK WARRANTY**

Comply ☒ Exception ☐

The polypropylene water tank that is specified to be supplied with this apparatus shall have a warranty by the water tank manufacturer for a "lifetime" period from the date that the apparatus is put into service. The manufacturer shall repair, at no cost to the purchaser, any problems caused by defective materials and/or workmanship. The warranty shall cover the reasonable costs of removing the water tank from the apparatus and reinstalling it after the completion of the covered warranty repairs, but shall not cover any liability for the loss of service or downtime costs of the apparatus. A sample of warranty shall be submitted with the Bidder's proposal.

**d. ALUMINUM BODY PRODUCTS**

Comply ☒ Exception ☐

The aluminum body that is specified to be supplied with this apparatus shall have a warranty by the manufacturer for a "lifetime" period from the date that the apparatus is put into service. The manufacturer shall repair, at no cost to the purchaser, any problems caused by defective materials and/or workmanship. The warranty shall cover the reasonable costs of removing any body component from the apparatus and reinstalling it after the completion of the covered warranty repairs, but shall not cover any liability for the loss of service or downtime costs of the apparatus. A sample of warranty shall be submitted with the Bidder's proposal.

**e. EMERGENCY LIGHTING PRODUCTS**

Comply ☒ Exception ☐

The emergency lighting products that is specified to be supplied with this apparatus shall have a warranty by the manufacturer for a period of at least five years from the date that the apparatus is put into service. The manufacturer shall repair, at no cost to the purchaser, any problems caused by defective materials and/or workmanship. The warranty shall cover the reasonable costs of removing any emergency lighting component from the apparatus and reinstalling it after the completion of the covered warranty repairs, but shall not cover any liability for the loss of service or downtime costs of the apparatus. A sample of warranty shall be submitted with the Bidder's proposal.

# Santaquin Fire & EMS

## Brush Truck Specifications

### 5. WARRANTY SERVICE RESPONSE

Comply ☒ Exception ☐

The successful Bidder must have a factory authorized service center staffed with certified emergency vehicle technicians available twenty-four hours a day seven days a week to respond to verbal or written notification that warranty service work is required. Vendor shall be willing to provide follow-up service including replacement parts for repairs, etc. as may be needed by this service to maintain the vehicle after it is put into operation. Bidders shall provide the location and service capabilities and contact information for the apparatus manufacturer's authorized service facility and parts depot nearest to **Santaquin, UT**. Facility must be within 70 miles for emergency response.

#### WARRANTY SERVICE CENTER

Name Apparatus Equipment & Service, Inc. Phone 801-886-0600  
Address 1103 South 700 West 24-7 Phone 801-608-3451  
City Salt Lake City, UT 84104 Fax 801-886-0615  
Contact Bob Allen Email ballen@apparatus-es.com  
Service Capabilities Bumper to bumper emergency vehicle repair

### 6. DELIVERY & TRAINING

Comply ☒ Exception ☐

Person or persons delivering the unit must be a licensed representative of the firm bidding and must be a certified service technician of the represented dealership. They must be willing to give orientation and training on the vehicle to this service and be willing to spend up to 8-hours in the area and/or per vehicle if necessary. Vendors whose bids fail to comply with the requirements in these specifications will be rejected.

### 7. OTHER BID DOCUMENTATION

#### a. CALCULATED TILT TEST

Comply ☒ Exception ☐

The apparatus shall have a calculated tilt test to 30° minimum tested at the estimated in-service weight in accordance with NFPA 1906 submitted with this bid.

#### b. COMPLETE ELECTRICAL DIAGRAMS

Comply ☒ Exception ☐

The apparatus shall have a completed electrical diagram in compliance with NFPA 1906 specifications submitted with this bid.

#### c. COMPLETED DRAWINGS

Comply ☒ Exception ☐

The apparatus shall have A size drawings in compliance with NFPA 1906 specifications submitted with this bid.

## II. STATEMENT OF WORK

### 1. GENERAL

Comply ☒ Exception ☐

The utility body described in this specification shall be mounted on Government furnished cab and chassis. Government furnished cab and chassis shall be picked up by the apparatus manufacturer at designated locations. The apparatus manufacturer shall be liable for all loss and damage to Government furnished cab and chassis until completion and final acceptance of work and returned to the Government.

The completed apparatus described in this specification shall be compliant with the requirements of NFPA 1906, latest edition, except where noted.

# Santaquin Fire & EMS

## Brush Truck Specifications

### 2. SCOPE OF WORK

Comply ☒ Exception ☐

The Contractor shall provide and install apparatus platform fire body on Government furnished chassis per GFD specifications for Brush Truck Fire Apparatus. The Government shall deliver the chassis to the Contractor's place of business and pick up the completed units upon final acceptance inspection. Government shall provide agency door shield and numbers. The Contractor shall provide all other material for striping, markings and designators. The Government will perform in-progress inspections at the Contractor's facility to verify timely progress of equipment installation. The extent of the in-progress inspections will be at the discretion of the Government and will not constitute acceptance. Inspection is for the convenience of the Government; the contractor is responsible for inspection and quality control.

Best value will also be a consideration with placement of order; selection of firm(s) and award will be based on best value, price, past performance, and other factors considered. The contractor shall warrant and guarantee all work performed (labor and materials provided by the contractor) for a minimum of three years.

### III. CHASSIS

Government supplied – Specifications listed are for apparatus configuration.

- The specifications may change without notice.
- Dodge D-5500 chassis, 4 x 4, Diesel engine, Automatic transmission, 60" CA (Cab to Rear Axle), Crew Cab.
- Contractor to receive chassis and deliver completed unit FOB Santaquin, UT.

### IV. CHASSIS ADDITIONAL EQUIPMENT AND MODIFICATIONS

#### 1. CHASSIS ADDITIONS AND MODIFICATIONS

Comply ☒ Exception ☐

The following additional equipment shall be installed on, and modifications performed to, the specified cab and chassis by the apparatus manufacturer:

#### 2. CHASSIS ELECTRICAL

Comply ☒ Exception ☐

The apparatus chassis shall be equipped with a heavy-duty 12 volt direct current (VDC) negative ground electrical system. The electrical system shall include all parts, components, switches, relays, wiring, and other devices required to assure complete, consistent and proper operation of the completed apparatus.

Wiring shall be routed and/or protected to eliminate exposure to moving parts or debris. All lights required are to comply with DOT and NFPA Codes for vehicles of this size and design shall be provided and installed. If required, these lights shall include headlamps and front turn signals with hazard switch, cab marker and clearance/license lights, back up lights and stop-turn-tail lights.

All switches for the warning lights and other electrical equipment shall be mounted on a separate switch panel located in the cab on a master electrical console mounted between the two front seats. The switches shall be functionally laid out, properly identified, and shall be located within easy reach of both the driver and the officer. The warning light system shall have a "master" switch, which shall allow for the pre-selection of all warning lights. All switches shall be of a heavy duty design.

The following additional electrical equipment shall be installed on, and modifications performed to, the specified cab and chassis by the apparatus builder:

#### a. BATTERY MASTER SWITCH

Comply ☒ Exception ☐

One (1) On-Off Battery Switch with red knob shall be provided in the cab. The switch shall be a Blue Sea brand, Model #6006 switch plate "Off/On" label, or equivalent. The switch shall be rated for 300 amps continuous duty and 500 amps intermittent duty. The switch shall be located on the floorboard to the left side of the driver's seat and placed as far aft as possible to prevent accidental actuation.

# Santaquin Fire & EMS

## Brush Truck Specifications

**b. BATTERY ON INDICATOR LIGHT**

Comply ☒ Exception ☐

One (1) "Battery On" indicator light, with a green lens, shall be provided on the center console, located forward on the left side. This light shall illuminate when the battery switch is turned to the "ON" position.

**c. JUNCTION BOXES**

Comply ☒ Exception ☐

Twin electrical fuse boxes, (Battery and Ignition) for all apparatus modules, connections, relays, circuit breakers, etc. shall be located in the console between the driver and passenger seats. All connection points shall be labeled according to function. A full electrical wiring diagram shall be supplied at time of bid.

**d. LED DRIVING LIGHTS**

Comply ☒ Exception ☐

Two (2) LED driving lights shall be installed in the mounting area provided in the face of the bumper. The lights shall each be 32 Watts and operate with the smart siren controller.

**e. BACK UP ALARM**

Comply ☒ Exception ☐

One (1) solid state back up alarm shall be provided at the rear of the apparatus protected from impact and debris. The backup alarm shall be wired to the reverse circuit of the transmission, and shall provide an audible alarm to the rear of the apparatus when reverse gear is selected. The alarm shall have a volume of 87 to 112 DBA while in operation.

**f. CHASSIS PERIMETER LIGHTING**

Comply ☒ Exception ☐

One (1) E-10 Tecnique clear LED lights shall be provided under the Chassis bumper. The light shall be housed within an enclosure sufficient to protect from damage. The perimeter lighting shall be activated by switch on the cab console.

**g. KUSSMAUL 1200**

Comply ☒ Exception ☐

An Auto Charge 1200 or equal is a compact, completely automatic, single channel battery charger designed for vehicles with a single battery system. The charger is ruggedized to withstand the shock and vibration encountered by vehicle mounted equipment. The unit shall be installed behind rear bucket seat on driver's side which makes it closest to the battery and the auto-eject plug.

**3. EMERGENCY EQUIPMENT**

**a. ANTENNA**

Comply ☒ Exception ☐

Two (2) antenna bases shall be supplied by the department and mounted on the Rear Cab Protection as specified on page 11. The antenna cable shall be routed to the cab interior, terminating at location of radio mounting bracket in the console.

**b. PRE-WIRE AND INSTALL EMERGENCY RADIOS**

Comply ☒ Exception ☐

The chassis cab interior shall be wired with battery power; battery ground, switched power, and radio rebroadcast wires to the siren or PA, and labeled to simplify JHF radio installation. The radio(s) shall occupy the second and third forward, angled position in the cab center console.

**c. TRAFFIC WARNING SYSTEMS**

Comply ☒ Exception ☐

The following traffic warning systems shall be provided and installed on the completed apparatus by the apparatus builder:

**d. SIREN AMPLIFIER**

Comply ☒ Exception ☐

One (1) SS-2000 Federal Signal brand, 100 Watt, or equivalent, full function, programmable siren amplifier with microphone shall be provided. The control head shall be mounted in the center console.

**e. SIREN SPEAKER**

Comply ☒ Exception ☐

One (1) Federal Signal brand, Model AS124, or equivalent, 100 watt siren speaker shall be provided and installed in a protected forward facing location. The wiring for the speaker shall be routed to the amplifier.

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## Brush Truck Specifications

**h. FORWARD LOWER ZONE A WARNING LIGHTS** **Comply** ☒ **Exception** ☐

Four (4) Federal Signal brand, MicroPulse Wide Angle Light, or equivalent, red/white LED flashers, with mounting flanges, shall be provided on the front of the apparatus, forward facing, two (2) per side, in the brush guard. The lights shall be wired to a switch located on the cab center console.

**i. FORWARD LOWER ZONE B/D WARNING LIGHTS** **Comply** ☒ **Exception** ☐

Two (2) Federal Signal brand, MicroPulse Wide Angle Light, or equivalent, red/white LED flashers, with mounting flanges, shall be provided over the front wheel well of the apparatus chassis, side facing, one (1) per side, for use as “forward intersection” lights. The lights shall be wired to a switch located on the cab center console.

➤ **NOTE – BALANCE OF EMERGENCY LIGHTING ON PAGE 14**

**4. LABELS**

Position of the following labels shall be loose until determination of final inspection.

**a. APPARATUS FLUID TYPES AND QUANTITIES** **Comply** ☒ **Exception** ☐

A permanently-mounted label, showing the recommended fluid types and quantities for the apparatus chassis and associated components, shall be provided in the apparatus cab interior near the driver’s seating position. This label shall list the recommended fluid types and quantities for maintenance of the complete apparatus of chassis and the water pump.

**b. SEATING CAPACITY** **Comply** ☒ **Exception** ☐

The completed apparatus shall be designed to have a fully enclosed seat with an approved seat belt for each occupant. The term “fully enclosed” shall mean four sides, a top and a bottom, with an appropriate door for easy entrance to and exit from the seating position. This apparatus shall have a seating capacity of two (2) personnel in front, and three (3) personnel in the rear for a total seating capacity of five (5). A warning label, listing the seating capacity of the completed apparatus, shall be provided in the apparatus cab interior. This label shall be located so that it is visible from all seating positions

**c. SEAT BELT WARNING** **Comply** ☒ **Exception** ☐

A warning label, stating: “DANGER- Personnel Must Be Seated And Seat Belts Must Be Fastened While Vehicle Is In Motion Or DEATH OR SERIOUS INJURY MAY RESULT,” shall be provided in the apparatus cab interior. This label shall be located so that it is visible from all seating positions.

**d. VEHICLE HEIGHT WARNING** **Comply** ☒ **Exception** ☐

A warning label, listing the overall height, length and GVWR of the completed apparatus, shall be provided in the apparatus cab interior. This label shall be located so that it is visible from the driver’s seating position.

**e. FSVMC Label** **Comply** ☒ **Exception** ☐

A Final Stage Manufacturer vehicle certification label shall be provided and installed in the apparatus cab driver’s door jamb.

**f. NOISE HAZARD WARNING** **Comply** ☒ **Exception** ☐

A warning label, stating: “WARNING: Noise Hazards Occur During Siren Operation,” shall be provided and installed in the apparatus cab interior. This label shall be located so that it is visible from all seating positions.

**g. AIR FILTER EMBER PROTECTION SCREEN WARNING** **Comply** ☒ **Exception** ☐

A warning label, stating: “This apparatus is equipped with an air filter ember protection screen; routine inspection is required,” shall be provided and installed in the apparatus cab interior. This label shall be located so that it is visible from the driver’s seating position.

# Santaquin Fire & EMS

## Brush Truck Specifications

### 5. **CONSOLE SECTION**

#### a. **SEATING**

Comply ☒ Exception ☐

The center portion of the 40/20/40 split bench seat shall be removed to accommodate the installation of the console.

#### b. **CAB CONSOLE**

Comply ☒ Exception ☐

The cab shall be equipped with an angled, form-fitted control console located between the front driver's and officer's seats with arm rests. This console shall be sized to accommodate the installation of a switch panel for the control of the emergency and general illumination lighting, siren controller, and customer-mounted radios. The console shall contain the following controls and switches:

- One (1) 12V indicator and 2 position 12v power points
- One (1) SS-2000 Federal Signal brand, or equivalent, 100 Watt electronic siren controller
- Two (2) bracket and pre-wiring for customer-mounted radios
- One (1) 2 position 12V power outlet and 2 position USB
- One (1) 2 position cup holder
- Three (3) mic mag clip brackets
- One (1) pocket storage compartment

### 6. **MISCELLANEOUS**

#### a. **HOSE AND HARNESS PROTECTION**

Comply ☒ Exception ☐

If applicable, any fuel lines or electrical harnesses below the chassis frame rails shall be protected with a fire proof sleeve designed specifically for such purpose.

#### b. **UNDER CHASSIS SHIELDING**

Comply ☒ Exception ☐

The chassis shall be equipped with expanded aluminum lower radiator shielding (if applicable) and a solid plate guard mounted on the aft of the front bumper. This shield and guard shall be designed to prevent entry of sticks and other small debris which may pose a hazard to the cooling system.

#### c. **CHASSIS AIR INTAKE EMBER GUARD**

Comply ☒ Exception ☐

The chassis air intake shall be protected by an ember guard of 18 Mesh, 0.017 inch wire diameter, and a maximum mesh opening of 0.039 inches. The ember guard shall be sized to fit and located at the intake opening. The screen shall be readily accessible for inspection and maintenance.

#### d. **CABIN AIR EMBER GUARD**

Comply ☒ Exception ☐

The cabin air filter shall be protected by an ember guard with a maximum mesh opening of 0.039 inches. The screen shall be located at the point of intake and easily accessible for inspection and maintenance.

#### e. **FRONT BUMPER AND BRUSH GUARD**

Comply ☒ Exception ☐

A heavy duty black powder coated finish bumper with brush guard assembly shall be provided with installation on the front of the apparatus. The complete assembly shall follow the chassis body lines and encompass the perimeter of the chassis front. The complete assembly shall be of such design that the guard will not vibrate, and shall provide solid mounting area for warning lights, speakers, or other specified equipment.

- **MATERIAL** - Full strength bumpers are 1/4" steel in the primary impact zone and winch center and 3/16" steel under the headlights. Very difficult to dent in animal strikes, very resilient in other collisions. As a comparison, 10 Gauge steel is roughly 1/8" thick, 8 Gauge 5/32".
- **WEIGHT** - Front Bumper and Grill Guard - 240 lbs. over stock plus or minus 10%.
- **REMOVABLE GRILL GUARD** - Serviceability. In cases where you need to service your radiator or grill, simply take off the grill guard - no need to un-wire the winch and lights and remove the entire bumper. Also, in the event of an extreme accident, the Grill Guard can be replaced without having to be cut off, re-welded, and re-painted.

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## Brush Truck Specifications

- **WINCH ACCESS DOOR** - Keep your winch out of the weather. Top access door latches, protects the winch, and gives a clean look to the truck. When using the winch, remove the Access Door for an ample 2-foot opening to get at winch controls and cable spool.
- **WINCH READY** - Built-in mounting is provided for all standard 4½" x 10" bolt pattern winches - face or floor mount. This covers almost all automotive winches.
- **RUST PREVENTION** - The best you can buy - sandblast and two-coat powder and are powder coated with an industrial strength, baked-on finish. All critical seams are welded, inside and out.
- **TOW HOOKS** - Bumper will have OEM "J" type tow hooks or re-located factory tow hooks. These hooks will be easy to work with having plenty of clearance for attaching on a chain or tow strap and 180 degrees of pulling angle.
- **TRAILER RECEIVER** - Standard to use on carrier style winches, backing trailers into tight spots, negotiating that small boat down the ramp with your huge camper or van, attaching a flatbed trailer and using your winch to pull up the load, steps, push bars, tire carriers, etc.

### f. **WINCH**

**Comply** ☒ **Exception** ☐

DV-18 or equal. The winch needs the highest capacity and most technologically advanced features for Class 5 truck. It needs to be perfect for getting in and out of remote spots and being able to hold up to the weight of the truck. The winch shall feature compact size, light-weight, extreme low profile and spec. leading 18,000 lbs. pulling make it the optimal winch to fit in the limited space. The unit comes with a hardened steel, 3-stage planetary gear train for efficient and reliable operation, water-proof remote control with thermometric LED indicator alerts when the motor is over-heated and a patented mechanical cone brake holds the full load without slipping. It also will meet international standards such as SAE J706, CE Machinery Directive 2006/42/EC, and REMSA.

## V. **APPARATUS PLATFORM BODY DESCRIPTION**

### 1. **PLATFORM BODY**

**Comply** ☒ **Exception** ☐

All materials, parts and assemblies shall be new and of current manufacture. Workmanship, fabrication, assembly, and finished appearance shall be of the highest quality and in conformance with standard manufacturing practices. Examples of poor workmanship that will, not be accepted are grinding marks or gouges on the outer rail, floors that are not flush with the outer rail, joints that are not flush or square, unfilled joints, and warped or uneven floors.

Platform shall be of marine grade T6 aluminum alloy construction and totally welded construction. Structural connections to the frame shall be made by welding or minimum Grade 8 bolts and self-locking nuts. There shall be no drilling, grinding, or welding on chassis frame flanges ahead of the rear most spring hanger. The understructure shall have no lips or pockets that will trap water and mud.

### 2. **WELDING**

**Comply** ☒ **Exception** ☐

Welds shall meet American Welding Society Standards (AWS). Welds on the top and outer sides of the body and miscellaneous equipment shall be ground flush.

### 3. **INSTALLATION**

**Comply** ☒ **Exception** ☐

The body(s) shall be mounted in compliance with FMVSS 301-75 standards. Body(s) shall be mounted as low as possible without limiting tire clearance or restricting the ability to fuel the truck. The minimum distance from the top of the tire to the bottom of the floor shall be equal to the maximum suspension travel plus 2 inches. Maximum suspension travel is the distance between the axle and the rubber bumper that limits suspension travel plus 1 inch.

### 4. **PLATFORM MOUNTING**

**Comply** ☒ **Exception** ☐

#### a. **RUBBER RAIL CUSHION**

Rail cushion shall 1" x 4" x 111" with a 65 durometer hardness rating. Attached cushion to the frame with 12 counter sunk bolts 2.5"x3/8NC, washers and nylocks.

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## Brush Truck Specifications

### b. SPRINGER MOUNT SYSTEM

Comply ☒ Exception ☐

A four position (2 springs each) body mounting system shall be used to mount the platform to the chassis. This system shall be designed to allow independent movement between the platform frame and the chassis frame protecting the module from the stresses and twisting rendered by the flexing of the chassis frame. The 2 spring top modules will be attached to the platform long sill with an electrolysis/corrosion barrier.

The springs shall be collapse rated at 1250 lbs. and two inches of collapse travel. All of the mounting hardware (nuts, bolts, washers) required for complete body installation shall be Grade 8. All nuts shall be self-locking style. All mounting components shall be painted black.

## 5. PLATFORM

### a. DIMENSIONS

Comply ☒ Exception ☐

- Length for platform shall be 111 inches.
- Width for platform shall be 96.
- Bodies shall be flat plus or minus 1/8 inch over their entire length or width.
- Bodies shall be square with 1/8 inch or less offset from the opposite parallel side.

### b. LONG SILLS

Comply ☒ Exception ☐

Two Long Sills (LS) shall run full length in alignment with and perpendicular to the chassis frame rails. Long Sills on bodies shall be rectangular c-channel aluminum alloy 4 inches tall X 2 inches wide minimum .250 inch wall thickness material.

### c. CROSS SILL MEMBERS

Comply ☒ Exception ☐

Cross Sill Members (CSM) on bodies shall be rectangular C-channel aluminum alloy 4 inches tall X 1.5 inches wide minimum .180 inch wall thickness material. Cross Sill Members shall be located on maximum 12-inch centers. CSM to LS welds shall be at least 100% of the length of the contact edges on two opposing sides of the LS. CSM to outer rail welds shall be 100% of the length of both vertical sides of the CSM.

### d. OUTER RAIL

Comply ☒ Exception ☐

The outer rail shall be rectangular C-channel aluminum alloy 6 inches tall X 1.9 inches wide minimum .200 inch wall thickness material. The outer rail shall form the complete bed perimeter without any open or offset seams. The outer rail shall consist of square rear corners.

### e. PLATFORM DECK

Comply ☒ Exception ☐

Decking on the platform shall be .125 inch marine grade aluminum diamond plate. Decking shall be interior perimeter welded to the outer rail, and 6-12" intermittently along the cross sills.

### f. TAILBOARD

Comply ☒ Exception ☐

The tailboard shall consist of a framed tail apron integral in design with the platform. The apron frame shall be rectangular C-channel aluminum alloy 3 inches tall X 1.4 inches wide minimum .170 inch wall thickness material. The interior flat surface of the apron shall consist of 1/8" aluminum diamond plate with the smooth surface to the inside. The tailboard shall finish with the outside edge of the apron frame even with the corners of the platform.

The apron shall house all referenced lighting, steps, and draft tube storage. The apron shall be sufficient in design to grant a departure angle of 24 degrees. The completed tailboard assembly shall meet all other requirements of NFPA 1906 for angle of departure.

### g. FUEL TANK FILLER

Comply ☒ Exception ☐

The rear fuel filler-neck bezel shall be incorporated into the bed channel outer rail unless using an OEM standalone system. Fuel cap shall not protrude past outer rail. The fuel tank filler shall be mounted in accordance with FMVSS 301. The fuel filler hose shall not touch any rough or sharp surfaces, and have no kinks or restrictions. Hose shall be supported on no more than 16-inch centers, have at least 6 inches clearance from the rear tire with any amount of suspension travel, and if closer than 12 inches to the tires, have a shield to protect it from objects that may be thrown from the tires. Secondary tank fill options will be discussed at prebuild.

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## Brush Truck Specifications

### h. DRAFT LINE STORAGE

Comply ☒ Exception ☐

Draft hose storage shall be mounted under the platform, between the frame rails of the truck. The draft hose box shall be a minimum of 4 inches tall, 24 inches wide and 100 inches deep. The opening is covered with a drop hinged, slam shut, Stainless Steel door with push button latches.

### 6. REAR CAB PROTECTION (RCP)

Comply ☒ Exception ☐

One (1) headboard (RCP) shall be fabricated and installed at the forward end of the apparatus body, directly behind the cab. The RCP frame perimeter shall be rectangular C-channel aluminum alloy 4 inches tall X 1.5 inches wide minimum .180 inch wall thickness material. The material will be tapered in a similar fashion to the shape of the chassis cab.

One horizontal cross-member located at approximately 1/3 the height with 1 1/8" Aluminum diamond tread plate shall be perimeter welded with the tread plate surface forward to the rearward side of the framework on the lower segment. The upper segment shall show a protective framework of 1" x 1" tubing effectively safeguarding the rear window of the chassis cab.

The unit shall be attached by a welded rearward gusset and to the lower frame itself by grade 5 bolts. The unit also has twin light bar perches on the top of the bar for easy mounting of emergency light products.

### 7. COMPARTMENTATION

Comply ☒ Exception ☐

All storage compartment walls shall be constructed from .125 inch aluminum diamond plate. All internal frame work shall be constructed of .125 inch formed aluminum structural members. All compartment interiors shall be free of exposed electrical harnesses or plumbing components. All compartments shall be as large as possible, as determined by the design of the apparatus. Compartment configuration and approximate sizes required are listed below:

#### a. DRIVER'S SIDE FRONT COMPARTMENTS

Comply ☒ Exception ☐

The driver's side front box on the apparatus body shall have approximate dimensions of 72" L X 30" H x 18" D containing two (2) compartments with vertical hinged doors. The driver's side front section box on the apparatus body shall have approximate dimensions of 24" L X 30" H x 18" D with a single horizontal hinged door. The driver's side rear section box on the apparatus body shall have approximate dimensions of 48" L X 30" H x 18" D with double horizontal hinged doors.

#### b. PASSENGER'S SIDE FRONT COMPARTMENT

Comply ☒ Exception ☐

The passenger's side front box on the apparatus body shall have approximate dimensions of 72" L X 30" H x 18" D containing two (2) compartments with vertical hinged doors. The passenger's side front section box on the apparatus body shall have approximate dimensions of 24" L X 30" H x 18" D with a single horizontal hinged door. The passenger's side rear section box on the apparatus body shall have approximate dimensions of 48" L X 30" H x 18" D with double horizontal hinged doors.

#### c. REAR TOP OF DECK STORAGE BOX

Comply ☒ Exception ☐

Driver's side below hose reel drawer box, rear on top of the apparatus platform. The box has dimensions of 36" W x 20" H x 18" D and contains one (1) compartment with drop down horizontal hinged door with a D-Ring latch. This box will be upfitted to contain an engine protection line.

Passenger's side below hose reel drawer box, rear on top of the apparatus platform. The box has dimensions of 36" W x 20" H x 18" D and contains one (1) compartment with drop down horizontal hinged door with a D-Ring latch. This vented box will be upfitted to be the "chain saw" compartment. It will have a bolt on external sheath for the chain saw blade which will protrude behind the pump motor.

#### d. TOP OF APPARATUS STORAGE BOX

Comply ☒ Exception ☐

The top of apparatus cross box is located next to cab protection spanning across the top of the driver and passengers' front compartments. The box has dimensions of 36" W x 14" H x 96" D and is one (1) compartment with two (2) flip up horizontal hinged doors on either side with a D-Ring latch. This box will accommodate long tools.

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### e. LOWER BOXES

Comply ☒ Exception ☐

Driver's side drawer lower box, front on the apparatus body shall be attached to the underside of the body from its top, forward of the rear wheels. The box has dimensions of 36" W x 12" H x 18" D and contains one (1) compartment with drop down horizontal hinged door. These are Independent from the body shall grant compartment space mounted on the left side of the apparatus body.

The passenger's side drawer lower box, front on the apparatus body shall be attached to the underside of the body from its top, forward of the rear wheels. The box has dimensions of 36" W x 12" H x 18" D and contains one (1) compartment with drop down horizontal hinged door. These are Independent from the body shall grant compartment space mounted on the left side of the apparatus body.

### f. COMPARTMENT DOORS

Comply ☒ Exception ☐

All compartment doors shall be integral in design and recessed into the box (compartment body) sides, sized to provide easy access to all interior areas of the compartment. All doors shall be consistent in fit and finish with the compartment unit. All doors shall be weatherproof and maintain contact with all points of the weather stripping. Weather stripping shall be bulb type, attached to the opening flange of the compartment opening. The doors will have a cross style break in each door for strength.

### g. DOOR LATCHES AND HARDWARE

Comply ☒ Exception ☐

Unless where noted, all compartment door latch assemblies shall be installed with threaded fasteners, shall not be welded, and shall be easily removable for servicing or replacement. All door latch assemblies shall be of a flush-mount, "D-Handle" design, with all external components fabricated from polished stainless steel. All latches shall be of a two position twist latch type design latching operation.

All hardware shall be corrosion resistant and suitable for its intended use. All nuts and bolts shall be stainless steel. Stainless steel nuts shall be the self-locking type. All latch assemblies shall be keyed alike to 1250. Ten spare keys shall be provided.

### h. DOOR HOLD OPEN DEVICES

Comply ☒ Exception ☐

All vertically-hinged, outward-opening compartment doors shall be provided with an over center door check to hold the door in the desired position. The door check is spring type that when door latch is released the door "springs" to an open position. To release, the spring is moved from the straight position and it folds into the "ready" to open position. It shall be attached to the top of the door and fastened to a plate bolted into the door. All vertically-hinged, outward opening compartment doors shall be capable of being closed with one hand, allowing a free hand to hold equipment or supplies.

All horizontally-hinged, drop-down, outward-opening compartment doors shall open flat to the surface below. All horizontally-hinged, overhead lift-up, outward opening compartment doors shall be provided with two (2) extending, gas cylinder type hold open devices, one (1) mounted vertically on each side of the compartment door opening. The pressure rating of the gas cylinders shall be carefully matched to the size and weight of the compartment door, and shall hold the compartment door securely open to a greater than 90° angle without additional support. The gas cylinder hold openers shall dampen the upward movement of the compartment door while opening and will permit closing of the box door without need to release any type of manual locking devices.

### i. ADJUSTABLE SHELF CHANNELS

Comply ☒ Exception ☐

Vertically-mounted aluminum (punched finger style) slim-line shelf system shall be provided and welded to the side wall of all enclosed top compartments. This is for the current or future installation of adjustable shelving, slide out trays or equipment brackets.

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**j. COMPARTMENT SHELVES** **Comply ☒** **Exception ☐**

Four (4) adjustable shelves shall be provided and installed in the completed top body compartments. The shelving system shall be mounted on a punched finger style) slim-line track to allow the change of elevation. The shelves shall be 17.5" in depth, width of the box with 2" peripheral lip constructed of aluminum and be capable of supporting 250 lbs. of live load without being damaged or permanently distorted.

The shelf locations shall be as follows:

- Two (2) in the driver's side top front compartment box front section.
- Two (2) in the driver's side top front compartment box rear section.
- Two (2) in the passenger's side top front compartment box front section.
- Two (2) in the passenger's side top front compartment box rear section.

**k. TOP OF BOX BASKETS** **Comply ☒** **Exception ☐**

Two (2) storage cages shall be provided and installed above the top storage compartments with approximate dimensions of 36" L X 8" H X 18" D. The storage cage shall be constructed of 1/8 inch aluminum with a punched open mesh material as to allow free air flow from all sides, double folded top 1" section for strength and a solid bottom. The outward facing sides shall be smooth (un-punched) 6" from the bottom allowing for a 6" face to install department graphics. It shall be open at the top. They will be mounted by rubber cushion leaving a .125 gap underneath and stainless bolts with nylocks.

## 8. BODY ELECTRICAL REQUIREMENTS

**j. WIRING SPECIFICATIONS** **Comply ☒** **Exception ☐**

All apparatus body electrical components shall be served by independent circuits which shall be separate and distinct from the apparatus cab and chassis electrical circuits. All wiring supplied and installed by the apparatus manufacturer shall be installed in flexible split convoluted loom and shall be color coded and function labeled at 6" intervals per NFPA standards. All wiring supplied and installed from the apparatus manufacturer by an EVT certified technician shall be grease, oil and moisture resistant; and shall be securely fastened with insulated metal clamps and nylon wire ties. Solderless insulated connectors shall be utilized at all splice joints and shall be enclosed with heat shrink tubing for extra corrosion protection. Automatic reset type circuit breakers shall be provided wherever possible. The following electrical components shall be provided and installed on the completed apparatus by the apparatus builder:

**k. LIGHTING SPECIFICATIONS** **Comply ☒** **Exception ☐**

All Lighting shall meet Federal Motor Vehicle Safety Standards. It is acceptable to utilize the existing light fixtures furnished with the cab and chassis. Clearance and identification lights shall be easily changed rubber-mounted, shock proof LED and meet FMVSS 108 requirements.

**l. BACK UP LIGHTS** **Comply ☒** **Exception ☐**

A pair of Truck-lite LED Oval Sealed 24 Diode Pattern, or equivalent, clear LED back up lights shall be provided at the rear of the body, one (1) each side, above the rear step. The backup lights shall be wired so that they illuminate when the chassis is placed in reverse gear and/or when the rear flood light switch is activated in the cab.

**m. TAIL LIGHTS WITH STOP/TURN FUNCTION** **Comply ☒** **Exception ☐**

Two pairs of Truck-lite LED Oval Sealed 24 Diode Pattern, or equivalent, red LED combination tail/brake lights shall be provided at the rear of the body, one pair on each side, above the rear step.

**n. LICENSE PLATE BRACKET AND LIGHT** **Comply ☒** **Exception ☐**

Two (2) Truck-lite brand, 26 Series LED clear light fixture, or equivalent, with license plate mounting bracket, shall be provided at the rear of the body.

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**o. CLUSTER/CLEARANCE LIGHTS AND REFLECTORS**      **Comply** ☒      **Exception** ☐

Three (3) round ICC LED clearance lights shall be located at the rear of the apparatus above the bumper. Additional lighting clearance lights shall be provided to conform to DOT, Federal and NHTSA specifications for vehicles of 80" wide. All lighting shall be compatible with the 12V chassis electrical system. Lighting shall be located according to ICC regulations.

**p. FORWARD UPPER ZONE A/B/D LIGHT BAR**      **Comply** ☒      **Exception** ☐

One (1) Federal Signal brand, Integrity LED light bar, or equivalent, shall be provided and installed on the forward leading edge of the rear cab protection rack, facing forward. The light bar shall be 51" wide, and shall contain the following modules:

- Ten (10) front position, forward facing, red and white flashing modules with clear lens
- Three (3) end position, sideways facing, red and white "alley" LED modules with clear lens
- Two (2) outside rear position, red and white flashing modules with clear lens
- Eight (8) rear position, rear facing, red and amber flashing modules with clear lens

The light bar shall be wired to a switch located on the cab center console.

**q. AFT LOWER ZONE B/D WARNING LIGHTS**      **Comply** ☒      **Exception** ☐

Two (2) Federal Signal brand, MicroPulse Wide Angle Light, or equivalent, red/white LED flashers, with mounting flanges, shall be provided on the rear sides of the apparatus chassis, over the rear wheel, side facing, one (1) per side, for use as "rear intersection" lights. The lights shall be wired to a switch located on the cab center console.

**r. AFT LOWER ZONE C WARNING LIGHTS**      **Comply** ☒      **Exception** ☐

Two (2) Federal Signal brand, MicroPulse Wide Angle Light, or equivalent, red/white LED flashers, with mounting flanges, shall be provided on the lower rear of the apparatus, rear facing, one (1) each side. The lights shall be wired to a switch located on the cab center console.

**s. PERIMETER LIGHTING**      **Comply** ☒      **Exception** ☐

Four (4) E-10 Tecniq clear LED lights shall be provided under the apparatus body, one (1) forward and one (1) aft of the rear wheel wells, both sides of the body. The lights shall be housed within an enclosure sufficient to protect from damage. The perimeter lighting shall be activated by switch on the cab console.

**t. COMPARTMENT LIGHTS**      **Comply** ☒      **Exception** ☐

One (1) ROM brand 12" LED cargo light, or equivalent, facing with the hinge on the compartment door, shall be provided to illuminate the compartment. Lighting shall be plastic encapsulated, shock resistant, continuous LED light segments. The LED strip lights shall be attached securely at the sides and top of each compartment opening depending on placement. All compartment lights shall be switched with magnetic switching on each box illuminating on demand except for the draft line storage.

**u. KUSSMAUL AUTO-EJECT 20 AMP**      **Comply** ☒      **Exception** ☐

The Super Auto Eject or equal is a completely sealed automatic power line disconnect. This prevents contamination of the mechanism by road dirt, and ensures long reliable life even when mounted in the most severe environment. A novel internal switch arrangement closes and opens the 120 Volt AC circuit after the mating connector is inserted, and before the connector is removed. This eliminates arcing at the connector contacts, and assures long contact life. As with all Auto Ejects, the Super Auto Eject is connected to the starter circuit, so that ejection occurs when the engine is cranked. The unit is mounted in the rail of the cab protection.

**9. OTHER APPARATUS BODY ITEMS**

**a. EXHAUST SYSTEM**      **Comply** ☒      **Exception** ☐

The exhaust system shall remain unmodified and as received from the chassis manufacturer. If the exhaust system proves to be in conflict with mounting items or departure angle, a conference between the chassis manufacturer, the apparatus builder and the department shall ensue about

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proper placement. Upon agreement, the apparatus builder shall move the exhaust system properly to its new placement at no extra charge.

**b. MUD FLAPS**

Comply ☒ Exception ☐

One (1) pair of flexible rubber mud flaps shall be provided on both sides of the apparatus body behind the rear wheels. The mud flaps shall not bear company logos. The mud flaps shall extend down far enough to be effective but shall not allow the flaps to become entangled with the rear tires when the apparatus is backing up.

**c. BUMPER – RECEIVER HITCH**

Comply ☒ Exception ☐

The completed tailboard assembly looks as it serves as the vehicle bumper but does not meet all associated requirements. Nestled under the tailboard is a receiver hitch and attached underbar that will meet bumper specifications. Underbar is integral with the lower section of the rear springer mounting system which is attached to the frame. Add holes for two D-rings.

**d. REAR STEP**

Comply ☒ Exception ☐

One (1) NFPA-compliant fold down step shall be provided and installed at the rear of the apparatus via the receiver hitch. The step shall be fabricated from heavy duty cast aluminum with spring assisted folded hinges. The top of the step shall be an integral diamond point skid resistant surface that allows water to flow off the step without ice formation in cold weather use.

**e. GRAB HANDLES**

Comply ☒ Exception ☐

Two (2) NFPA-compliant chrome-plated grab handles shall be provided and mounted at the rear; location determined by customer.

## VI. PUMP PACKAGE

The following specifications are for a complete apparatus pump firefighting unit, consisting of tank, control panel, engine, pump and plumbing that shall be permanently mounted on the platform style body. The system shall cover the rest of the platform deck space.

**1. FASTENING COMPONENTS**

Comply ☒ Exception ☐

All fasteners and adjustable plumbing brackets used shall be stainless steel or polyplastic. All tubing shall use metal fittings, rated to 500 PSI and requiring no special tools. No underside nuts or bolts shall be used. Flexible connections shall have vibration wear protection.

**2. PUMP AND PLUMBING**

Comply ☒ Exception ☐

The following pump, plumbing, controls, gauges, and accessories shall be provided as indicated below. The plumbing requirements outlined below shall be considered a minimum standard, and are preferred to be followed by the apparatus manufacturer without exception:

All plumbing components shall be fabricated from welded stainless steel with the exception of the valves, which will be brass and hose flex connections. All pump compartment components, including wiring, gauges, pump panel rear surfaces, high pressure hoses, and small diameter tubing, shall be left unpainted for rapid identification and ease of repair.

**3. PUMP UNIT**

**a. PUMP MOTOR**

Comply ☒ Exception ☐

The engine shall be a 4-cycle Kubota D902-E4B-KEA-2, with overhead cam, water cooled design. Engine rating shall be Horsepower of 25hp @ 3600rpm and shall be designed to meet current CARB (California Air Resources Board) and EPA (Environmental Protection Agency) Tier 4 standards. A 12-volt electric system shall be provided with electric starter and a 45 amp alternator. Engine shall be equipped with a muffler with USDA approved spark arrestor. The pump/engine shall be isolation mounted onto a steel base.

**b. PUMP**

Comply ☒ Exception ☐

The pump shall be a 4-stage centrifugal pump with the pump body, diffusers, and impellers made of anodized corrosive resistance aluminum. The impeller must be aluminum to match the

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pump body and diffusers in order to prevent galvanic corrosion from taking place between pump components. The impellers shall be 4.00 inches in diameter.

The pump shaft shall be stainless steel supported by two maintenance free bearings and shall not be co-linear to the engine's drive shaft. A sealed roller bearing shall be located externally from the pump and a sintered bronze bushing shall be located within the pump cover. Both bearings must be maintenance free. In addition, the pump seal shall be a mechanical rotary seal, shall be externally pressurized and shall incorporate a blister-resistant carbon seal face, silicon carbide seat, and fully integrated drive bushing.

The pump shall be coupled to a belt driven speed increaser with a quick release clamp capable of being removed by hand and without any additional tools. The quick release clamp system shall allow for the entire pump assembly, pump body with all its internal and external components, to be removable and capable of being service at a location away from the diesel engine and fire apparatus upon which it was part of. It shall also allow for the swapping out of the same or different performance pump assemblies within a minute's time.

The horizontal belt driven speed increaser shall be a low maintenance timing belt and pulley system. The belt shall be a high quality timing belt and the drive pulley shall mount directly on the engine drive shaft through a means of a keyed tapered locking device. The increaser shall be a 1 to 1.88 ratio. In addition, a dampening device shall be provided between the pump shaft and pump shaft pulley. Both the pump and horizontal speed increaser shall be painted red.

### c. PUMP PRIMING

Comply ☒ Exception ☐

One (1) positive displacement, oil-less, electric motor-driven piston priming pump, conforming to the NFPA requirements, shall be provided and installed on the cross member just aft of the cab body. The primer pump body shall be fabricated from heat-treated anodized aluminum for wear and corrosion resistance.

The primer pump electric motor shall be of a 12 VDC totally enclosed design. The priming pump shall not require lubrication from an external source. The priming pump shall be operated by a single push control valve mounted on the pump operator's panel. The control valve shall be of all brass construction.

### d. PUMP SUCTION/DISCHARGE

Comply ☒ Exception ☐

The suction and discharge ports shall be pipe thread, designed and located to accept applicable hose thread adapters. Standard unit supplied with 2½" female NH thread pump intake and 1½" male NH thread discharge.

### e. PUMP PERFORMANCE

Comply ☒ Exception ☐

The pump/engine shall perform to the standards of ISO Class 9. Typical pump performance from 5 foot draft thru 10 feet of suction hose at sea level shall be: 106 GPM (401 lpm) @ 150 PSI (10.3 BAR), 103 GPM (390 lpm) @ 250 PSI (17.2 BAR), 65 GPM (246 lpm) @ 350 PSI (24.1 BAR). The pump shall provide a maximum pressure of 395 PSI and a maximum flow of 106 GPM. The pump will be tested at the factory before shipment under the following conditions:

- (1) An elevation of not more than 2000 ft. above sea level
- (2) Through a single intake with 20 ft. of 3" suction hose equipped with a suction hose strainer
- (3) With a lift of 5 ft.
- (4) At 29.9" Hg atmospheric pressure (corrected to sea level)
- (5) At a water temperature of 60° F

### f. REAR MOUNTED PUMP OPERATOR'S PANEL

Comply ☒ Exception ☐

A pump operator's control panel shall be located at the rear of the apparatus body. It shall contain all controls necessary to operate the pump systems. The panel shall be appropriately sized with the controls positioned in a methodical, user-friendly format. The edges of the panel shall be smooth radius to prevent the snagging of clothing or injury. The panel shall have an extended top to

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assist in weather protection and to house the panel lights. Controls shall be provided on the operator's panel as follows:

- Pump engine ignition/start/stop controls
- Starter push button
- Oil pressure warning light
- Engine temperature warning light
- Engine glow plug control light
- Throttle control
- Primer control
- 2.5" liquid filled Intake gauge
- 2.5" liquid filled Discharge gauge
- Operator's panel switching for perimeter lighting

**g. INTAKE PRESSURE GAUGE**

Comply ☒ Exception ☐

One (1) intake pressure gauge shall be provided on the operator's panel, located in a vertical pattern on the right side of the operator's panel. The gauge shall be a Class One brand, or equivalent, graduated from 30-0-600 PSI, with a minimum diameter of 2.5". The gauge shall have a diaphragm installed at the pressure inlet to prevent water from entering the body of the valve. The gauge shall be illuminated by the standard panel lighting.

**h. DISCHARGE PRESSURE GAUGE**

Comply ☒ Exception ☐

One (1) discharge pressure gauge shall be provided on the operator's panel, located in a vertical pattern on the right side of the operator's panel. The gauge shall be a Class One brand, or equivalent, graduated from 0-600 PSI, with a minimum diameter of 2.5". The gauge shall have a diaphragm installed at the pressure inlet to prevent water from entering the body of the valve. The gauge shall be illuminated by the standard panel lighting.

**i. PUMP PANEL LIGHT**

Comply ☒ Exception ☐

Two (2) E-03 Tecniq LED lights, or equivalent, facing downward, shall be provided to illuminate the rear pump operator's panel area. This light shall be controlled by a manual switch on the pump operator's panel.

**j. FUEL TANK SYSTEM**

Comply ☒ Exception ☐

The pump motor will use diesel the same as the chassis motor. Siphon shall be installed into the chassis tank. Siphoning shall occur at a level 1.5" above the chassis siphon system. A small engine electric fuel pump shall be installed to pump fuel to the level of the pump motor requirements.

**4. MAIN PUMP DISCHARGE AND INTAKE PLUMBING**

**a. MAIN SPECIFICATIONS**

Comply ☒ Exception ☐

The discharge and intake valves specified shall be either of a direct-actuated quarter turn design or shall be provided with control rods that are directly connected from the valve handle to the rear mounted pump panel area. All discharges and intakes shall have NST thread brass chrome rocker lug style caps with chains, unless designed to be pre-connected, or otherwise specified. Where vibration or chassis flexing may damage or loosen piping, the piping shall be equipped with Victaulic couplings, rubber pressure rated hose or hump hose connections. The main pressure manifold is behind the pump in front of the tank for uncluttered area on the rear of the platform.

The main suction and discharge plumbing shall be welded stainless steel pipe or high pressure flexible hose with appropriate fittings designed to withstand the normal operating pressures of the pump. All high pressure hose shall be installed with a swivel or Victaulic coupling on at least one end of the hose. The nominal sizes of all of the plumbing supplying the pump and discharges shall be as follows:

- Intake – 2½ inch tank to pump, 2½ inch fill
- Discharges – 1½ inch main pipe, 1½ inch branch
- Hose reel(s) – 1 inch

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### b. MAIN VALVES

Comply ☒ Exception ☐

All valves shall be Akron 8800 series swing-out style or equivalent. All valves shall be designed to operate under normal conditions up to 500 PSI and shall have dual seats to work in both pressure and vacuum environments. All valves and controls shall be easily accessible for service, repair or replacement.

### c. MASTER DRAIN

Comply ☒ Exception ☐

A master drain valve shall be plumbed to the rear section of pump, suction plumbing and discharge plumbing as required to fully drain the piping and pump to prevent damage from freezing. The drain valve and associated plumbing will be designed to withstand pressures of 400 psi.

### d. GAUGE DRAINS

Comply ☒ Exception ☐

The pressure gauges shall be plumbed to the pump and plumbing drain.

### e. DISCHARGE LOCATIONS

Comply ☒ Exception ☐

The main discharge shall be plumbed with 1½" stainless steel pipe and/or 1½" flexible high pressure hose, and shall branch to 1½" and then terminate with:

- One (1) 1.5" discharge, shall be provided at the rear of the apparatus with 1.5" NH threads, with a 1.5" NSTF Chrome cap and chain. The discharge valve shall be controlled at the valve with a TSC style handle.
- Two (2) 1" discharges, labeled "Hose Reel," shall be provided at the rear of the apparatus on both sides. The discharge shall be plumbed with stainless steel pipe and/or 1" flexible high pressure hose, and shall terminate at the hose reel. The hose reel discharge valve shall be controlled at the valve with a TSC style handle.
- One (1) 1½" discharge, shall be provided inside the left rear box of the apparatus body for an engine protection line. The discharge valve shall be controlled at the valve with a TSC style handle.

### f. INTAKE LOCATION

Comply ☒ Exception ☐

One (1) Akron 2.5" valve or equivalent connected to a 2.5" intake shall be provided at the rear of the apparatus body, plumbed with 2.5" piping to the intake side tank to pump tee terminating with a NHM fitting with a 2.5" NHF Chrome cap and chain. A removable intake screen shall be installed to prevent debris from entering the pump. The valve shall have a T-handle control at the rear of the apparatus.

### g. TANK FILL

Comply ☒ Exception ☐

One (1) 1" Akron, or equivalent, tank refill, or recirculation line with a 1" quarter turn inline valve, shall be provided to allow the water tank to be refilled through the pump. The valve shall have a T-handle control at the rear of the apparatus.

### h. TANK TO PUMP LINE

Comply ☒ Exception ☐

One (1) Akron, or equivalent, 2.5" tank to pump inline valve, shall be installed between the water tank outlet and the pump inlet. The valve shall have a T-handle control at the rear of the apparatus.

## 5. WATER TANK AND CONSTRUCTION

Comply ☒ Exception ☐

The water tank with a footprint of 60" W x 72" L holding a minimum of 400 gallons shall be fabricated from ½" thick, non-corrosive stress relieved polypropylene, natural black in color and U.V. stabilized for maximum protection. Materials used shall be compatible with firefighting foams, retardants and wetting agents. All joints and seams shall be extrusion double welded and tested for maximum strength and integrity. The transverse baffle partitions shall be manufactured of the same material as the main body and extend from the floor of the tank to the cover to allow for positive welding and maximum integrity. All partitions shall be equipped with vent and air holes to permit movement of air and water between compartments. All baffle partitions shall interlock with one another and be welded to each other, as well as to the walls of the tank.

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- a. The tank shall be designed to be completely independent of the platform structure and compartments, and shall be equipped with removable lifting eyes to facilitate ease of removal. All joints and seams shall be nitrogen-welded inside and out. All exposed edges on the tank and fill tower shall be rounded off to a ¼" radius.

The end wall of the tank, closest to the pump mount location shall have a vertical translucent panel sight gauge. The tank shall have a manual fill tower with a basket strainer for both the water tank and foam tank. The fill tower shall be constructed of same material as the rest of the tank and shall have a minimum dimension of 8 inch x 8 inch outer perimeter. The tower shall have a 0.25 inch thick, removable polypropylene screen installed in the throat of the fill tower. A combination vent and overflow pipe shall be fastened inside the fill tower, approximately 1.5 inch down from the top.

All internal piping shall be constructed of schedule 80 polypropylene pipe. The tank shall have a vent over-flow pipe that extends through the tank and exits under the vehicle. The tank sump shall have a plate welded approximately 2" above the sump to prevent water swirl. There shall be piping inside the tank with a suction tube to the sump. The suction tube shall extend down through the anti-swirl plate and baffles. Baffling will meet or exceed NFPA 1901. All fittings in the tank shall be heavy duty polypropylene and shall be welded inside and outside using industry acceptable practices. Tank inlets shall have flow deflectors inside the tank.

The tank shall have a limited Lifetime warranty that provides warranty service for the life of the fire apparatus in which the tank is installed. Warranties are transferable if the apparatus ownership changes by requesting the transfer.

- b. Integral 12 gallon foam cell built into tank  
c. Both tanks will have visual sight gauges built to the tanks.  
d. Spare tire mount shall bolt into a recessed area of the rear top of the water tank. When the tire is mounted in the spare position, the top of the tire will be the even with the top of the tank.

### 6. BOOSTER HOSE REEL

Comply ☒ Exception ☐

Two (2) Hannay brand, Model # **EF4128-17-20**, or equivalent, booster hose reel, with a 70 amp breaker, and a capacity of 150 ft. of ¾" booster hose, shall be provided and installed at the right rear side of the platform deck. The hose shall dismount to the side of the apparatus.

The hose reel frame and drum shall be fabricated of steel with aluminum powder coat color, with the sprocket being chrome plated to minimize maintenance. The hose reel inlet connection shall be a 1" inline quarter turn valve and 1" flexible wire-reinforced hose. The hose reel outlet connection shall be 1" NH thread. The rewind control shall be located on the hose reel frame in an area determined by the fire department.

The reel shall be provided with a 2/3 HP, 12 Volt electric motor for rewinding the hose on to the reel. Each motor shall be controlled with one (1) Cole Hersee M-612, or equivalent, push button switch located on the pump control panel. The booster reels shall have provisions for manual rewind. The pinion shaft for the manual rewind gear shall have an adjustable tension brake, controlled at the reel. One (1) FH3 captive roller assembly, or equivalent, shall be provided for the reel.

### 7. FOAM INDUCTION UNIT

Comply ☒ Exception ☐

A Trident "Foamate" Class "A" Foam proportioner or equal is a device for educting foam concentrate solution into hose lines of fire pumps, used in combating Forest and Urban/Wildland fires. The easy to proportioning head calibrates to educt foam concentrate at a variable percentage into hose lines flowing up to 400 GPM. The system has a pressure connecting hose, a system delivery hose and a foam pick-up hose. As water flow increases or decreases, the foam concentrate rate of injection is increased or decreased automatically to correspond to the water flow.

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### 8. LABELING

- a. **TRUCK IDENTIFICATION PLATE** Comply ☒ Exception ☐

A truck identification plate shall be provided and installed on the pump operator's panel. The plate shall state the name and address of the apparatus manufacturer, the serial number of the unit and the pump performance test results.
- b. **PUMP OPERATING INSTRUCTION PLATE** Comply ☒ Exception ☐

An identification plate shall be provided on the pump operator's panel with step-by-step operating instructions.
- c. **PUMP PANEL LABELING** Comply ☒ Exception ☐

All controls, discharges, intakes, ports, drains, and other pump panel components that are not provided with a pre-printed legend or trim plate shall be labeled as required for ease of operation.
- d. **VALVE LABELING** Comply ☒ Exception ☐

Valves and /or Valve control handles shall be labeled as to duty. The tags shall be placed adjacent to the components in such a way as to clearly distinguish the item that they are identifying.

## VII. APPARATUS FINISH FOR TURN-KEY OPERATION

### 1. COMPLETED APPARATUS TESTING

- a. **PUMP PERFORMANCE TEST AND CERTIFICATION** Comply ☒ Exception ☐

Upon completion, the apparatus shall undergo a complete pumping test that conforms to the requirements of NFPA Standard 1906 (latest edition) for the size and type of pump provided in Lenoir, NC. The test shall consist of a continuous one-half hour test pumping at rated capacity and rated net pump pressure, a vacuum test of the primer system and plumbing, a tank discharge flow test and a pressure test of the apparatus piping. The chassis engine and transmission, the pump and other components of the apparatus shall show no undue heating, leaks, or other defect. The results of the test shall be documented to establish the performance of the apparatus and to further insure that the unit shall perform satisfactorily when placed into service. The test results shall be certified in writing, with the certification provided to the purchaser for their records at the time of delivery of the completed apparatus.
- b. **ELECTRICAL, LOW-VOLTAGE TEST** Comply ☒ Exception ☐

The fire apparatus low voltage electrical system shall be tested as required by this section and the test results shall be certified by the apparatus manufacturer. The certification shall be delivered to the purchaser with the documentation for the completed apparatus. The tests shall be performed when the air temperature is between 0°F and 110°F (18°C and 43°C).
- c. **TEST SEQUENCE** Comply ☒ Exception ☐

The three (3) tests defined below shall be performed in the order in which they appear. Before each test, the chassis batteries shall be fully charged until the voltage stabilizes at the voltage regulator set point and the lowest charge current is maintained for 10 minutes. The failure of any of these tests shall require a repeat of the test sequence.
- d. **RESERVE CAPACITY TEST** Comply ☒ Exception ☐

The chassis engine shall be started and kept running until the chassis engine and engine compartment temperatures are stabilized at normal operating temperatures and the chassis battery system is fully charged. The chassis engine shall be shut off and the minimum continuous electrical load shall be applied for 10 minutes. All electrical loads shall be turned off prior to attempting to restart the chassis engine. The chassis battery system shall then be capable of restarting the chassis engine. The failure to restart the chassis engine shall be considered a failure of this test.
- e. **ALTERNATOR PERFORMANCE TEST AT IDLE** Comply ☒ Exception ☐

The minimum continuous electrical load shall be applied with the chassis engine running at idle speed. The chassis engine temperature shall be stabilized at normal operating temperature. The

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chassis battery system shall be tested to detect the presence of a chassis battery current discharge. The detection of chassis battery current discharge shall be considered a failure of this test.

**f. ALTERNATOR PERFORMANCE TEST AT FULL LOAD** Comply ☒ Exception ☐

The total continuous electrical load shall be applied with the chassis engine running up to the engine manufacturer's governed speed. The test duration shall be a minimum of two (2) hours. The activation of the electrical system load management system shall be permitted during this test. The activation of an alarm due to excessive chassis battery discharge, as detected by the system required by NFPA (current edition), or an electrical system voltage of less than 11.8 VDC for a 12 VDC nominal system, for more than 120 seconds, shall be considered a failure of this test.

**g. LOW VOLTAGE ALARM TEST** Comply ☒ Exception ☐

Following the completion of the tests described above, the chassis engine shall be turned off. With the chassis engine turned off, the total continuous electrical load shall be applied and shall continue to be applied until the excessive battery discharge alarm activates. The chassis battery voltage shall be measured at the battery terminals.

The test shall be considered to be a failure if the low voltage alarm has not yet sounded 140 seconds after the voltage drops to 11.50VDC for a 12 VDC nominal system. The chassis battery system shall then be able to restart the chassis engine. The failure of the chassis battery system to restart the chassis engine shall be considered a failure of this test.

**h. DOCUMENTATION** Comply ☒ Exception ☐

The apparatus manufacturer shall provide the results of the low-voltage electrical system performance test, certified in writing, with the documentation provided to the purchaser at the time of delivery of the completed apparatus. The test results shall consist of the following documents:

- A written electrical load analysis, including the following:
- The nameplate rating of the alternator.
- The alternator rating under the conditions specified in NFPA 1906 (current edition).
- Each of the component loads specified that make up the minimum continuous electrical load.
- Additional electrical loads that, when added to the minimum continuous electrical load, determine the total continuous electrical load.
- Each individual intermittent electrical load.

## 2. APPARATUS FINISH

**a. COMPLETE APPARATUS BODY COLOR** Comply ☒ Exception ☐

- Chassis color is OEM Race Red.
- The apparatus body of diamond plate and channel aluminum shall not be painted.
- The front bumper shall be powder coated black.
- The wheels shall be OEM gray.
- The compartment doors shall be powder coated red.

**b. STRIPING** Comply ☒ Exception ☐

A 1-3-1 theme white-(red)-black-(red)-white retro-reflective stripe shall be provided and installed horizontally on both the chassis cab and body. The stripe shall be placed as low as possible on the vertical surfaces on the sides of the front door (front fender) allowing room above the stripe to install a department logo. The stripe shall continue on the apparatus platform in the bed rail and continue around the platform to the opposite side front.

**c. CAB AND BODY LETTERING AND STRIPING** Comply ☒ Exception ☐

Retro-reflective material, shall be provided and installed on the apparatus as follows:

- The department designator, in 4" tall letters, shall be provided on approximately centered on the dunnage basket above the compartments on each side of the apparatus body. The words "Brush 141", in 4" tall red scripted letters, shall be applied on both sides, centered in a 6" white reflective stripe on the basket.

# Santaquin Fire & EMS

## Brush Truck Specifications

- The unit designator, (example Brush 141) in 3" tall letters, shall be provided centered on the swept back portion of the front bumper on the passenger's side.
- The unit designator, (example Brush -23) in 4" tall letters, shall be provided centered on the rear facing portion of the hose reel on the passenger's side.
- The apparatus manufacturer shall install Government supplied door decals (shield / logo) on the front cab doors, above the white/red reflective striping.

**d. INTERGATION OF OEM REAR CAMERA**

Comply ☒ Exception ☐

If this option is included in the chassis, install OEM rear camera into apparatus body making sure the camera is in the best possible position for safety and usage.

**3. EQUIPMENT**

Comply ☒ Exception ☐

The following equipment shall be provided with the completed apparatus. The equipment shall be new and unused, and shall meet all current NFPA, OSHA and other applicable safety regulations.

**a. MANUALS AND DRAWINGS**

Comply ☒ Exception ☐

- The following specified materials shall be provided with the completed apparatus:
- One (1) complete set of standard chassis operation, parts and service manuals.
- One (1) apparatus manufacturer's operation and service manual, to include:
  - ✓ Manufacturer's Record of Construction
  - ✓ Warranty Registration and Information
  - ✓ Operator Safety Information
  - ✓ Pump Operation and Troubleshooting Instructions
  - ✓ Vehicle Exterior Maintenance Instructions
  - ✓ Maintenance and Lubrication Information & Charts
  - ✓ Complete Electrical Diagrams
  - ✓ Component Literature (ie: siren, hose reel, etc.)
  - ✓ Pump Test Certificate, Weight Certificate, Service Parts Replacement List

**b. HYDRANT WRENCH HOLDER**

Comply ☒ Exception ☐

One (1) national Firefighter brand, FEQ 148, or equivalent, three position captive latching type/hydrant/spanner wrench holder shall be permanently affixed per department recommendation at mid-build meeting. Holder is modified so hydrant wrench is holstered instead of clipped. Tools are included with the holder.

**c. BOOSTER HOSE**

Comply ☒ Exception ☐

Install 150 feet per hose reel of ¾" Mercedes Boost Lite. This hose is designed as a rigid, non-collapsible hose to fit hose reels, field repairable and meets a variety of wildland fire attack requirements. The bend radius is less than 3.5" (8.9 cm) on the ¾" inch (19mm) hose with a unique Mertex® lining yields an extremely low friction loss, for maximum flow and superior adhesion for long life. The standard Strobe Yellow Permatek™ HP treatment allows for greater visibility & abrasion resistance and greatly reduces moisture absorption through the jacket with a usable temperature range of -60° F to 160° F (-50° C to 71° C).

**d. WHEEL CHOCKS**

Comply ☒ Exception ☐

Two (2) Zico brand AC-32 or equal NFPA 1901-09 compliant wheel chocks shall be provided with the completed apparatus, one (1) each side. They will be mounted to the underside of the platform behind the mud flaps with Zico brand QCH-32-H or equal holders for convenient storage.

**e. DRAFT HOSE**

Comply ☒ Exception ☐

Three (3) eight foot x 2.5" draft hoses shall be placed ready to use in the draft hose storage under the platform. Two will have a FNH and MNH connection. The last will have a permanent 4" barrel strainer and FNH connection.

# Santaquin Fire & EMS Brush Truck Specifications

**f. ELECTRIC LEVEL GAUGES**

Comply ☒ Exception ☐

The FRC Tank Vision or equal is the ultimate solution in water and/or foam volume monitoring. It uses a pressure sensor to sense the amount of liquid in the tank and can be calibrated to accurately display the volume in tanks of all shapes and sizes. The unit has standard features of nine highly visible ultra-bright LEDs providing an accurate display. The wide-viewing 180° lens is easy to see under all conditions.

**g. LEVEL GAUGES (Minis on Console)**

Comply ☒ Exception ☐

The FRC Tank Vision or equal is the ultimate solution in water and/or foam volume monitoring. It uses a pressure sensor to sense the amount of liquid in the tank and can be calibrated to accurately display the volume in tanks of all shapes and sizes. The unit has standard features of nine highly visible ultra-bright LEDs providing an accurate display. The wide-viewing 180° lens is easy to see under all conditions.

**h. TURTLE TILE**

Comply ☒ Exception ☐

Turtle tile or equal in all compartments floors and shelves to protect the apparatus and tools. Turtle Plastic's 3/4" thick industrial grade Turtle Tiles compartment matting has an open grid design which allows for maximum drainage and traction. Each tile has 77 sturdy feet to provide even support and 8 locks (2 sides with 2 male T tabs, 2 sides with 2 female T slots). Plus, the matting is resistant to fungus, mold, grease, solvents, and most common chemicals.

**i. DRIP TORCHES**

Comply ☒ Exception ☐

Two powder coated red and made of lightweight aluminum alloy drip torch that is designed to withstand the rough treatment that drip torches often endure. The safety loop is well away from the flame so there is no danger of the fuel in the loop (liquid seal) vaporizing from heat. The screw type vent valve introduces air to the bottom of the tank to relieve the vacuum created as fuel is being used. The wick is made of inserted fiberglass. With holders, they will be installed in front the hose reel on top of the rear box.

**4. COST**

Chassis Cost \_\_\_\_\_ \$ 000 Build Time \_\_\_\_\_ 0 Days or less \_\_\_\_\_

Chassis is purchased already by department

Apparatus Cost \$102,979.00 Build Time 120 DAYS OR LESS

As described above

Total Cost/Unit \$102,979.00 Total Time 120 DAYS OR LESS

-   
 Signature of bidder

11/30/2019  
 Date

William J. Arbus  
 Name of bidder
- Apparatus Equipment & Service, Inc.  
 Name of bidding company

801-886-0600  
 phone #

barbus@apparatus-es.com  
 email
- 1103 South 700 West  
 Bidding company address

Salt Lake City, UT 84104

# Santaquin Fire & EMS

## Brush Truck Specifications

### 5. OPTIONS OF ADDITIONAL COST

#### a. FOAM INJECTION UNIT

Comply ☒ Price \$ 3998.00

Upgrade from the Trident induction to the FoamPro System 1601 or equal using an electric motor driven flow-based proportioning system that measures water flow and then injects the proportional amount of foam concentrate to maintain the preset percentage. The system will accurately deliver from 0.1% to 1.0% foam concentrate to the foam injector fitting. The flowmeter measures the water flow and sends a signal to the motor driver control. Another sensing device monitors the foam pump output. Constant comparison of these two information signals by the computer ensures maintenance of the desired proportion of foam concentrate at all times based on the water flow rate, independent of any variations in fire pump intake or discharge pressures. As water flow increases or decreases, the foam concentrate rate of injection is increased or decreased automatically to correspond to the water flow.

#### b. REROUTE PUMP MOTOR EXHAUST

Comply ☒ Price \$ 510.00

The exhaust piping from the pump motor will be redirected downward through the floor of the platform and end up routing just above the chassis exhaust. The pipe system will have vibration mounts to keep the system from cracking or leaking. The pipe system will have heat wrap in sensitive areas in order to reduce any exhaust routing high heat issues. This treatment will reduce heat around the pump and dunnage area.



Turn  
Key  
Ready

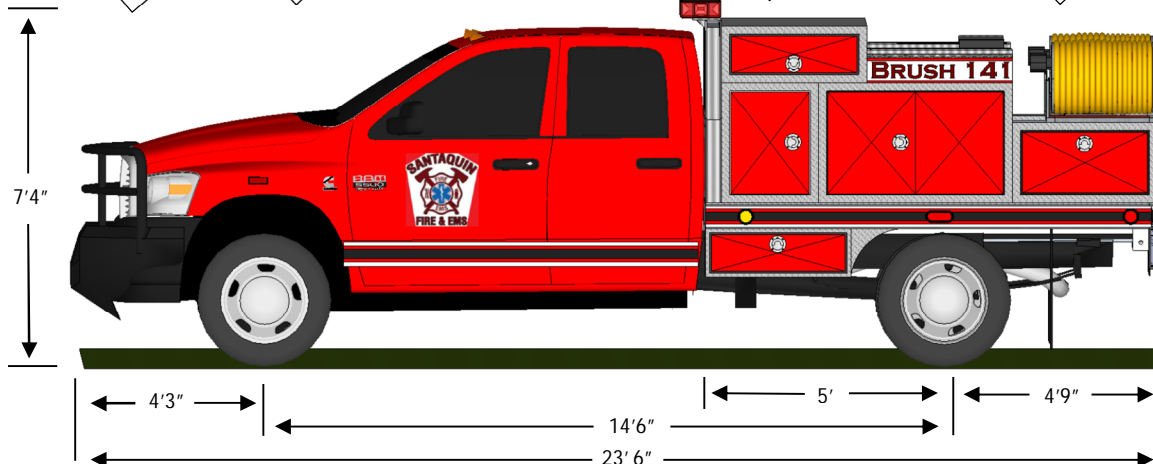
NFPA  
Lighting

Agency  
Graphics



Dodge 5500 Chassis  
Center Console  
Fed-Sig Allegiant  
Custom Build  
Damage Baskets  
Low Profile  
Custom dunnage

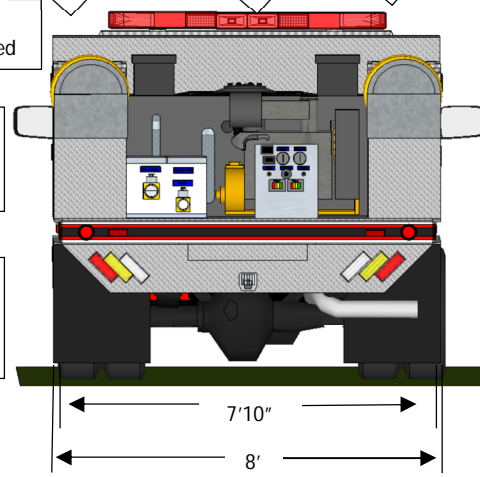
MTech 400  
Gallon Poly  
Tank  
Waterax  
BB4-D25  
Pump  
Hannay Reel



Custom HD  
Aluminum Bed

Suction  
Hose  
Storage

Receiver  
Hitch  
NFPA  
Step



Proprietary and confidential  
The information contained in this drawing is the sole property of Apparatus Equipment & Service, Inc. Any reproduction in part or whole without written permission is prohibited.

#### Notes:

1. Overall height is loaded condition. Unloaded height may vary.
2. All dimensions are approximant and subject to change.
3. Drawing may or may not show all detail. Written specifications prevail.

Type 6 Platform Build  
CHASSIS: Dodge 5500, 4x4, DBL Cab  
PUMP: BB4-D25 Waterax/Kubota  
WATER: 400 gallon MTech  
FOAM: Trident  
Reel: Hannay  
Monitor: None

Dimensions are in inches  
Tolerances are +/- .125"

Drawn by: Bill Arbus  
11/24/2019



Title:  
SFE2D

Size  
A

Drawing #  
SFE2D-01-3



**Ken Garff West Valley**

**Santaquin Fire Brush  
Body Bid 2019**



Tel. 801-955-7448

4175 West 3500 South  
West Valley City, Utah 84120

Fax 801-955-7645

**Santaquin Fire Department**

**12/02/2019**

## Proposal

Ken Garff West Valley Chrysler, Jeep, Dodge, Ram hereby proposes to furnish you, subject to your acceptance of this proposal and the proper signing and execution of the attached contract or purchase order, by the parties thereto, the vehicle and equipment herein described and for the following prices listed below. In the event the uses his own purchase order or its own contract pages in lieu of signing the attached contract, it shall be understood by all parties that all terms and conditions of the attached contract and addendum(s) shall take precedence over any and all other documents.

2020 Mallory Fire Type 6 Brush Truck Body/Tank/ Pump  
For the Sum of \$106,000.00  
FOB Santaquin UT  
Completion 150 Days from PO  
Please see attached specifications

No federal, state or local taxes are included in price.

All Vehicles and equipment shall be supplied in accordance with the attached specifications with the same specifications becoming a part of the contract. Delivery shall be made within the time specified below after receipt and acceptance by Ken Garff West Valley of the properly signed and executed contract and addendum(s). The delivery time indicated is based on the best delivery knowledge available at this time. Delivery shall be contingent upon delays or failure to deliver from our suppliers, delays caused by, or resulting from labor problems, chassis shortages, strikes, fire, flood, accidents or other acts of God, or any other circumstances which are beyond the control of this corporation.

TERMS OF PAYMENT: All Vehicles shall be paid **NET UPON DELIVERY. (NO EXCEPTION)**

All prices or quotations are subject to change or withdrawal unless accepted within 90 days from the date herein set forth.

**BY:**

A handwritten signature in cursive script that reads 'Wes Robinson'.

Wes Robinson  
Ken Garff West Valley Chrysler, Jeep, Dodge, Ram  
Government Sales  
801-297-7415





# **Agency Supplied Specifications**

# Santaquin Fire & EMS

## Brush Truck Specifications

### I. QUOTE

#### 1. PURPOSE

Comply ☒ Exception ☐

The purpose of these specifications as written is an attempt to make comparisons of similar options that are available in the small apparatus industry. Therefore, bidders are required to submit a copy of these specifications (clearly marked) along with drawings, and other requested and pertinent information that will best describe the vehicle bid. **If a bidder does not submit a bid per the instructions in these specifications on a copy of the pages received with yes/no questions answered and exceptions listed and explained as required, the bid will be deemed incomplete and WILL BE REMOVED from the bidding process as non-responsive.**

#### 2. MINIMUM STANDARDS

Comply ☐ Exception ☒

The highest degree of quality materials and building processes is required for the emergency vehicle being proposed. At a minimum, each manufacturer must be a member of FAMA (Fire Apparatus Manufacturing Association) at the date of the proposal submission. All current Federal motor Vehicle Safety standards (FMVSS) must be met. In addition, all current NFPA 1906 must be met except where noted. These specifications shall in no way restrict the bids to any specific brand name. This agency reserved the right and shall determine the "or equal" brand name is truly equal. However, bids will only be considered from manufacturers that produce, assemble and complete apparatus within the continental United States.

#### 3. QUALIFICATION OF QUOTER

Comply ☐ Exception ☐

Successful bidder must be an authorized distributor for the products he/she offers on their apparatus build. Satisfactory evidence of the Bidder's ability to construct the apparatus specified shall be provided as follows:

- A statement showing the location of the factory where the apparatus is to be manufactured.

- 1040 INDUSTRIAL Way LONGVIEW WA, 98632-8190  
The Bidder shall state the number of years the manufacturer has been building this specific type of apparatus.

- 1789  
The Bidder shall state the number of years served as a Manufacturer.

- 30+  
All bidders must have all current licenses required by law to do business in the State of **Utah**.
- A statement indicating that the complete apparatus, with the exception of the cab and chassis, shall be assembled by one manufacturer.

- See Attached Ken Gatt Dealer Info  
Preference may be given to a company that meets these qualifications and location is within 70 miles of **Santaquin, UT**.

#### 4. WARRANTIES

Comply ☒ Exception ☐

The award will also take into consideration warranty and warranty provisions of the proposed vehicle. The bid shall state the type of warranty that the manufacturer will provide, with copies of warranty coverage and omissions enclosed with these specifications. Warranties will at minimum provide a thirty six (36) months and 36,000 mile warrant on the entire vehicle which covers defective parts and or components of its manufacture. Warranty shall include any and all costs for labor and parts or materials that are required to correct any and all deficiencies. It is not the intent of this requirement that routine preventative maintenance items such as light bulbs, filters, tires, brake linings, windshield wiper blades, etc. be covered.

## Santaquin Fire & EMS Brush Truck Specifications

Under this warranty, the apparatus manufacturer shall be responsible for the costs of repairs to the apparatus that have been caused by defective workmanship or materials during this period. This warranty shall not apply to the following:

- Any component parts or trade accessories such as chassis, engines, tires, pumps, valves, signaling devices, batteries, electric lights, bulbs, alternators, and all other installed equipment and accessories, in as much as they are usually warranted separately by their respective manufacturers, or are subject to normal wear and tear.
- Failures resulting from the apparatus being operated in a manner or for a purpose not recommended by the apparatus manufacturer.
- Loss of time or use of the apparatus, inconvenience or other incidental expenses.
- Any apparatus which has been repaired or altered outside of the apparatus manufacturer's factory in any way that affects its stability, or which has been subject to misuse, negligence, or accident.

**a. THREE YEAR CHASSIS WARRANTY**

Comply ☒ Exception ☐

The manufacturer of the chassis shall warranty the chassis for a period of at least Three Years. As an apparatus may be integrally married to the chassis and this is an emergency vehicle, the government reserves the right at its discretion to call upon apparatus warranty first to determine whether the issue is a chassis or an apparatus problem at no charge.

**b. THREE YEAR APPARATUS WARRANTY**

Comply ☒ Exception ☐

All materials and workmanship herein specified, including all equipment furnished, shall have a warranty for a period of three (3) years after the acceptance date of the apparatus, unless otherwise noted, with the exception of any normal maintenance services or adjustments which shall be required. A copy of the warranty shall be submitted with the Bidder's proposal.

**c. WATER TANK WARRANTY**

Comply ☒ Exception ☐

The polypropylene water tank that is specified to be supplied with this apparatus shall have a warranty by the water tank manufacturer for a "lifetime" period from the date that the apparatus is put into service. The manufacturer shall repair, at no cost to the purchaser, any problems caused by defective materials and/or workmanship. The warranty shall cover the reasonable costs of removing the water tank from the apparatus and reinstalling it after the completion of the covered warranty repairs, but shall not cover any liability for the loss of service or downtime costs of the apparatus. A sample of warranty shall be submitted with the Bidder's proposal.

**d. ALUMINUM BODY PRODUCTS**

Comply ☒ Exception ☐

The aluminum body that is specified to be supplied with this apparatus shall have a warranty by the manufacturer for a "lifetime" period from the date that the apparatus is put into service. The manufacturer shall repair, at no cost to the purchaser, any problems caused by defective materials and/or workmanship. The warranty shall cover the reasonable costs of removing any body component from the apparatus and reinstalling it after the completion of the covered warranty repairs, but shall not cover any liability for the loss of service or downtime costs of the apparatus. A sample of warranty shall be submitted with the Bidder's proposal.

**e. EMERGENCY LIGHTING PRODUCTS**

Comply ☒ Exception ☐

The emergency lighting products that is specified to be supplied with this apparatus shall have a warranty by the manufacturer for a period of at least five years from the date that the apparatus is put into service. The manufacturer shall repair, at no cost to the purchaser, any problems caused by defective materials and/or workmanship. The warranty shall cover the reasonable costs of removing any emergency lighting component from the apparatus and reinstalling it after the completion of the covered warranty repairs, but shall not cover any liability for the loss of service or downtime costs of the apparatus. A sample of warranty shall be submitted with the Bidder's proposal.

## Santaquin Fire & EMS Brush Truck Specifications

### 5. WARRANTY SERVICE RESPONSE

Comply ☐ Exception ☐

The successful Bidder must have a factory authorized service center staffed with certified emergency vehicle technicians available twenty-four hours a day seven days a week to respond to verbal or written notification that warranty service work is required. Vendor shall be willing to provide follow-up service including replacement parts for repairs, etc. as may be needed by this service to maintain the vehicle after it is put into operation. Bidders shall provide the location and service capabilities and contact information for the apparatus manufacturer's authorized service facility and parts depot nearest to **Santaquin, UT**. Facility must be within 70 miles for emergency response.

#### WARRANTY SERVICE CENTER

Name Ken GAFF West Valley Dodge Phone 801-297-7415  
Address 4175 W 3500 S 24-7 Phone 835-421-9277  
City West Valley UT Fax 801-955-7645  
Contact West Robinson Email westrg.ken@gaff.com  
Service Capabilities Ase + EMT Certified

### 6. DELIVERY & TRAINING

Comply ☒ Exception ☐

Person or persons delivering the unit must be a licensed representative of the firm bidding and must be a certified service technician of the represented dealership. They must be willing to give orientation and training on the vehicle to this service and be willing to spend up to 8-hours in the area and/or per vehicle if necessary. Vendors whose bids fail to comply with the requirements in these specifications will be rejected.

### 7. OTHER BID DOCUMENTATION

#### a. CALCULATED TILT TEST

Comply ☒ Exception ☐

The apparatus shall have a calculated tilt test to 30° minimum tested at the estimated in-service weight in accordance with NFPA 1906 submitted with this bid.

#### b. COMPLETE ELECTRICAL DIAGRAMS

Comply ☐ Exception ☒

The apparatus shall have a completed electrical diagram in compliance with NFPA 1906 specifications submitted with this bid.

#### c. COMPLETED DRAWINGS

Comply ☐ Exception ☒

The apparatus shall have A size drawings in compliance with NFPA 1906 specifications submitted with this bid.

## II. STATEMENT OF WORK

### 1. GENERAL

Comply ☒ Exception ☐

The utility body described in this specification shall be mounted on Government furnished cab and chassis. Government furnished cab and chassis shall be picked up by the apparatus manufacturer at designated locations. The apparatus manufacturer shall be liable for all loss and damage to Government furnished cab and chassis until completion and final acceptance of work and returned to the Government.

The completed apparatus described in this specification shall be compliant with the requirements of NFPA 1906, latest edition, except where noted.

## Santaquin Fire & EMS Brush Truck Specifications

### 2. **SCOPE OF WORK**

Comply ☒ Exception ☐

The Contractor shall provide and install apparatus platform fire body on Government furnished chassis per GFD specifications for Brush Truck Fire Apparatus. The Government shall deliver the chassis to the Contractor's place of business and pick up the completed units upon final acceptance inspection. Government shall provide agency door shield and numbers. The Contractor shall provide all other material for striping, markings and designators. The Government will perform in-progress inspections at the Contractor's facility to verify timely progress of equipment installation. The extent of the in-progress inspections will be at the discretion of the Government and will not constitute acceptance. Inspection is for the convenience of the Government; the contractor is responsible for inspection and quality control.

Best value will also be a consideration with placement of order; selection of firm(s) and award will be based on best value, price, past performance, and other factors considered. The contractor shall warrant and guarantee all work performed (labor and materials provided by the contractor) for a minimum of three years.

### III. **CHASSIS**

Government supplied – Specifications listed are for apparatus configuration.

- The specifications may change without notice.
- Dodge D-5500 chassis, 4 x 4, Diesel engine, Automatic transmission, 60" CA (Cab to Rear Axle), Crew Cab.
- Contractor to receive chassis and deliver completed unit FOB Santaquin, UT.

### IV. **CHASSIS ADDITIONAL EQUIPMENT AND MODIFICATIONS**

#### 1. **CHASSIS ADDITIONS AND MODIFICATIONS**

Comply ☒ Exception ☐

The following additional equipment shall be installed on, and modifications performed to, the specified cab and chassis by the apparatus manufacturer:

#### 2. **CHASSIS ELECTRICAL**

Comply ☒ Exception ☐

The apparatus chassis shall be equipped with a heavy-duty 12 volt direct current (VDC) negative ground electrical system. The electrical system shall include all parts, components, switches, relays, wiring, and other devices required to assure complete, consistent and proper operation of the completed apparatus.

Wiring shall be routed and/or protected to eliminate exposure to moving parts or debris. All lights required are to comply with DOT and NFPA Codes for vehicles of this size and design shall be provided and installed. If required, these lights shall include headlamps and front turn signals with hazard switch, cab marker and clearance/license lights, back up lights and stop-turn-tail lights.

All switches for the warning lights and other electrical equipment shall be mounted on a separate switch panel located in the cab on a master electrical console mounted between the two front seats. The switches shall be functionally laid out, properly identified, and shall be located within easy reach of both the driver and the officer. The warning light system shall have a "master" switch, which shall allow for the pre-selection of all warning lights. All switches shall be of a heavy duty design.

The following additional electrical equipment shall be installed on, and modifications performed to, the specified cab and chassis by the apparatus builder:

##### a. **BATTERY MASTER SWITCH**

Comply ☒ Exception ☐

One (1) On-Off Battery Switch with red knob shall be provided in the cab. The switch shall be a Blue Sea brand, Model #6006 switch plate "Off/On" label, or equivalent. The switch shall be rated for 300 amps continuous duty and 500 amps intermittent duty. The switch shall be located on the floorboard to the left side of the driver's seat and placed as far aft as possible to prevent accidental actuation.

## Santaquin Fire & EMS Brush Truck Specifications

- b. **BATTERY ON INDICATOR LIGHT** Comply ☒ Exception ☐  
One (1) "Battery On" indicator light, with a green lens, shall be provided on the center console, located forward on the left side. This light shall illuminate when the battery switch is turned to the "ON" position.
- c. **JUNCTION BOXES** Comply ☒ Exception ☐  
Twin electrical fuse boxes, (Battery and Ignition) for all apparatus modules, connections, relays, circuit breakers, etc. shall be located in the console between the driver and passenger seats. All connection points shall be labeled according to function. A full electrical wiring diagram shall be supplied at time of bid.
- d. **LED DRIVING LIGHTS** Comply ☒ Exception ☐  
Two (2) LED driving lights shall be installed in the mounting area provided in the face of the bumper. The lights shall each be 32 Watts and operate with the smart siren controller.
- e. **BACK UP ALARM** Comply ☒ Exception ☐  
One (1) solid state back up alarm shall be provided at the rear of the apparatus protected from impact and debris. The backup alarm shall be wired to the reverse circuit of the transmission, and shall provide an audible alarm to the rear of the apparatus when reverse gear is selected. The alarm shall have a volume of 87 to 112 DBA while in operation.
- f. **CHASSIS PERIMETER LIGHTING** Comply ☒ Exception ☐  
One (1) E-10 Tecniq clear LED lights shall be provided under the Chassis bumper. The light shall be housed within an enclosure sufficient to protect from damage. The perimeter lighting shall be activated by switch on the cab console.
- g. **KUSSMAUL 1200** Comply ☒ Exception ☐  
An Auto Charge 1200 or equal is a compact, completely automatic, single channel battery charger designed for vehicles with a single battery system. The charger is ruggedized to withstand the shock and vibration encountered by vehicle mounted equipment. The unit shall be installed behind rear bucket seat on driver's side which makes it closest to the battery and the auto-eject plug.
3. **EMERGENCY EQUIPMENT**
- a. **ANTENNA** Comply ☒ Exception ☐  
Two (2) antenna bases shall be supplied by the department and mounted on the Rear Cab Protection as specified on page 11. The antenna cable shall be routed to the cab interior, terminating at location of radio mounting bracket in the console.
- b. **PRE-WIRE AND INSTALL EMERGENCY RADIOS** Comply ☒ Exception ☐  
The chassis cab interior shall be wired with battery power; battery ground, switched power, and radio rebroadcast wires to the siren or PA, and labeled to simplify JHF radio installation. The radio(s) shall occupy the second and third forward, angled position in the cab center console.
- c. **TRAFFIC WARNING SYSTEMS** Comply ☒ Exception ☐  
The following traffic warning systems shall be provided and installed on the completed apparatus by the apparatus builder:
- d. **SIREN AMPLIFIER** Comply ☒ Exception ☐  
One (1) SS-2000 Federal Signal brand, 100 Watt, or equivalent, full function, programmable siren amplifier with microphone shall be provided. The control head shall be mounted in the center console.
- e. **SIREN SPEAKER** Comply ☒ Exception ☐  
One (1) Federal Signal brand, Model AS124, or equivalent, 100 watt siren speaker shall be provided and installed in a protected forward facing location. The wiring for the speaker shall be routed to the amplifier.

## Santaquin Fire & EMS Brush Truck Specifications

- h. FORWARD LOWER ZONE A WARNING LIGHTS** Comply ☒ Exception ☐  
Four (4) Federal Signal brand, MicroPulse Wide Angle Light, or equivalent, red/white LED flashers, with mounting flanges, shall be provided on the front of the apparatus, forward facing, two (2) per side, in the brush guard. The lights shall be wired to a switch located on the cab center console.

- i. FORWARD LOWER ZONE B/D WARNING LIGHTS** Comply ☒ Exception ☐  
Two (2) Federal Signal brand, MicroPulse Wide Angle Light, or equivalent, red/white LED flashers, with mounting flanges, shall be provided over the front wheel well of the apparatus chassis, side facing, one (1) per side, for use as "forward intersection" lights. The lights shall be wired to a switch located on the cab center console.

➤ **NOTE – BALANCE OF EMERGENCY LIGHTING ON PAGE 14**

#### **4. LABELS**

Position of the following labels shall be loose until determination of final inspection.

- a. APPARATUS FLUID TYPES AND QUANTITIES** Comply ☒ Exception ☐  
A permanently-mounted label, showing the recommended fluid types and quantities for the apparatus chassis and associated components, shall be provided in the apparatus cab interior near the driver's seating position. This label shall list the recommended fluid types and quantities for maintenance of the complete apparatus of chassis and the water pump.

- b. SEATING CAPACITY** Comply ☒ Exception ☐  
The completed apparatus shall be designed to have a fully enclosed seat with an approved seat belt for each occupant. The term "fully enclosed" shall mean four sides, a top and a bottom, with an appropriate door for easy entrance to and exit from the seating position. This apparatus shall have a seating capacity of two (2) personnel in front, and three (3) personnel in the rear for a total seating capacity of five (5). A warning label, listing the seating capacity of the completed apparatus, shall be provided in the apparatus cab interior. This label shall be located so that it is visible from all seating positions.

- c. SEAT BELT WARNING** Comply ☒ Exception ☐  
A warning label, stating: "DANGER- Personnel Must Be Seated And Seat Belts Must Be Fastened While Vehicle Is In Motion Or DEATH OR SERIOUS INJURY MAY RESULT," shall be provided in the apparatus cab interior. This label shall be located so that it is visible from all seating positions.

- d. VEHICLE HEIGHT WARNING** Comply ☒ Exception ☐  
A warning label, listing the overall height, length and GVWR of the completed apparatus, shall be provided in the apparatus cab interior. This label shall be located so that it is visible from the driver's seating position.

- e. FSVMC Label** Comply ☒ Exception ☐  
A Final Stage Manufacturer vehicle certification label shall be provided and installed in the apparatus cab driver's door jamb.

- f. NOISE HAZARD WARNING** Comply ☒ Exception ☐  
A warning label, stating: "WARNING: Noise Hazards Occur During Siren Operation," shall be provided and installed in the apparatus cab interior. This label shall be located so that it is visible from all seating positions.

- g. AIR FILTER EMBER PROTECTION SCREEN WARNING** Comply ☒ Exception ☐  
A warning label, stating: "This apparatus is equipped with an air filter ember protection screen; routine inspection is required," shall be provided and installed in the apparatus cab interior. This label shall be located so that it is visible from the driver's seating position.

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### 5. CONSOLE SECTION

#### a. SEATING

Comply ☒ Exception ☐

The center portion of the 40/20/40 split bench seat shall be removed to accommodate the installation of the console.

#### b. CAB CONSOLE

Comply ☒ Exception ☐

The cab shall be equipped with an angled, form-fitted control console located between the front driver's and officer's seats with arm rests. This console shall be sized to accommodate the installation of a switch panel for the control of the emergency and general illumination lighting, siren controller, and customer-mounted radios. The console shall contain the following controls and switches:

- One (1) 12V indicator and 2 position 12v power points
- One (1) SS-2000 Federal Signal brand, or equivalent, 100 Watt electronic siren controller
- Two (2) bracket and pre-wiring for customer-mounted radios
- One (1) 2 position 12V power outlet and 2 position USB
- One (1) 2 position cup holder
- Three (3) mic mag clip brackets
- One (1) pocket storage compartment

### 6. MISCELLANEOUS

#### a. HOSE AND HARNESS PROTECTION

Comply ☒ Exception ☐

If applicable, any fuel lines or electrical harnesses below the chassis frame rails shall be protected with a fire proof sleeve designed specifically for such purpose.

#### b. UNDER CHASSIS SHIELDING

Comply ☒ Exception ☐

The chassis shall be equipped with expanded aluminum lower radiator shielding (if applicable) and a solid plate guard mounted on the aft of the front bumper. This shield and guard shall be designed to prevent entry of sticks and other small debris which may pose a hazard to the cooling system.

#### c. CHASSIS AIR INTAKE EMBER GUARD

Comply ☒ Exception ☐

The chassis air intake shall be protected by an ember guard of 18 Mesh, 0.017 inch wire diameter, and a maximum mesh opening of 0.039 inches. The ember guard shall be sized to fit and located at the intake opening. The screen shall be readily accessible for inspection and maintenance.

#### d. CABIN AIR EMBER GUARD

Comply ☒ Exception ☐

The cabin air filter shall be protected by an ember guard with a maximum mesh opening of 0.039 inches. The screen shall be located at the point of intake and easily accessible for inspection and maintenance.

#### e. FRONT BUMPER AND BRUSH GUARD

Comply ☒ Exception ☐

A heavy duty black powder coated finish bumper with brush guard assembly shall be provided with installation on the front of the apparatus. The complete assembly shall follow the chassis body lines and encompass the perimeter of the chassis front. The complete assembly shall be of such design that the guard will not vibrate, and shall provide solid mounting area for warning lights, speakers, or other specified equipment.

- MATERIAL - Full strength bumpers are 1/4" steel in the primary impact zone and winch center and 3/16" steel under the headlights. Very difficult to dent in animal strikes, very resilient in other collisions. As a comparison, 10 Gauge steel is roughly 1/8" thick, 8 Gauge 5/32".
- WEIGHT - Front Bumper and Grill Guard - 240 lbs. over stock plus or minus 10%.
- REMOVABLE GRILL GUARD - Serviceability. In cases where you need to service your radiator or grill, simply take off the grill guard - no need to un-wire the winch and lights and remove the entire bumper. Also, in the event of an extreme accident, the Grill Guard can be replaced without having to be cut off, re-welded, and re-painted.

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- WINCH ACCESS DOOR - Keep your winch out of the weather. Top access door latches, protects the winch, and gives a clean look to the truck. When using the winch, remove the Access Door for an ample 2-foot opening to get at winch controls and cable spool.
- WINCH READY - Built-in mounting is provided for all standard 4½" x 10" bolt pattern winches - face or floor mount. This covers almost all automotive winches.
- RUST PREVENTION - The best you can buy - sandblast and two-coat powder and are powder coated with an industrial strength, baked-on finish. All critical seams are welded, inside and out.
- TOW HOOKS - Bumper will have OEM "J" type tow hooks or re-located factory tow hooks. These hooks will be easy to work with having plenty of clearance for attaching on a chain or tow strap and 180 degrees of pulling angle.
- TRAILER RECEIVER - Standard to use on carrier style winches, backing trailers into tight spots, negotiating that small boat down the ramp with your huge camper or van, attaching a flatbed trailer and using your winch to pull up the load, steps, push bars, tire carriers, etc.

### f. WINCH

Comply ☒ Exception ☐

DV-18 or equal. The winch needs the highest capacity and most technologically advanced features for Class 5 truck. It needs to be perfect for getting in and out of remote spots and being able to hold up to the weight of the truck. The winch shall feature compact size, light-weight, extreme low profile and spec. leading 18,000 lbs. pulling make it the optimal winch to fit in the limited space. The unit comes with a hardened steel, 3-stage planetary gear train for efficient and reliable operation, water-proof remote control with thermometric LED indicator alerts when the motor is over-heated and a patented mechanical cone brake holds the full load without slipping. It also will meet international standards such as SAE J706, CE Machinery Directive 2006/42/EC, and REMSA.

## V. APPARATUS PLATFORM BODY DESCRIPTION

### 1. PLATFORM BODY

Comply ☒ Exception ☐

All materials, parts and assemblies shall be new and of current manufacture. Workmanship, fabrication, assembly, and finished appearance shall be of the highest quality and in conformance with standard manufacturing practices. Examples of poor workmanship that will, not be accepted are grinding marks or gouges on the outer rail, floors that are not flush with the outer rail, joints that are not flush or square, unfilled joints, and warped or uneven floors.

Platform shall be of marine grade T6 aluminum alloy construction and totally welded construction. Structural connections to the frame shall be made by welding or minimum Grade 8 bolts and self-locking nuts. There shall be no drilling, grinding, or welding on chassis frame flanges ahead of the rear most spring hanger. The understructure shall have no lips or pockets that will trap water and mud.

### 2. WELDING

Comply ☒ Exception ☐

Welds shall meet American Welding Society Standards (AWS). Welds on the top and outer sides of the body and miscellaneous equipment shall be ground flush.

### 3. INSTALLATION

Comply ☒ Exception ☐

The body(s) shall be mounted in compliance with FMVSS 301-75 standards. Body(s) shall be mounted as low as possible without limiting tire clearance or restricting the ability to fuel the truck. The minimum distance from the top of the tire to the bottom of the floor shall be equal to the maximum suspension travel plus 2 inches. Maximum suspension travel is the distance between the axle and the rubber bumper that limits suspension travel plus 1 inch.

### 4. PLATFORM MOUNTING

Comply ☒ Exception ☐

#### a. RUBBER RAIL CUSHION

Rail cushion shall 1" x 4" x 111" with a 65 durometer hardness rating. Attached cushion to the frame with 12 counter sunk bolts 2.5"x3/8NC, washers and nylocks.

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### b. SPRINGER MOUNT SYSTEM

Comply ☒ Exception ☐

A four position (2 springs each) body mounting system shall be used to mount the platform to the chassis. This system shall be designed to allow independent movement between the platform frame and the chassis frame protecting the module from the stresses and twisting rendered by the flexing of the chassis frame. The 2 spring top modules will be attached to the platform long sill with an electrolysis/corrosion barrier.

The springs shall be collapse rated at 1250 lbs. and two inches of collapse travel. All of the mounting hardware (nuts, bolts, washers) required for complete body installation shall be Grade 8. All nuts shall be self-locking style. All mounting components shall be painted black.

## 5. PLATFORM

### a. DIMENSIONS

Comply ☒ Exception ☐

- Length for platform shall be 111 inches.
- Width for platform shall be 96.
- Bodies shall be flat plus or minus 1/8 inch over their entire length or width.
- Bodies shall be square with 1/8 inch or less offset from the opposite parallel side.

### b. LONG SILLS

Comply ☒ Exception ☐

Two Long Sills (LS) shall run full length in alignment with and perpendicular to the chassis frame rails. Long Sills on bodies shall be rectangular c-channel aluminum alloy 4 inches tall X 2 inches wide minimum .250 inch wall thickness material.

### c. CROSS SILL MEMBERS

Comply ☒ Exception ☐

Cross Sill Members (CSM) on bodies shall be rectangular C-channel aluminum alloy 4 inches tall X 1.5 inches wide minimum .180 inch wall thickness material. Cross Sill Members shall be located on maximum 12-inch centers. CSM to LS welds shall be at least 100% of the length of the contact edges on two opposing sides of the LS. CSM to outer rail welds shall be 100% of the length of both vertical sides of the CSM.

### d. OUTER RAIL

Comply ☒ Exception ☐

The outer rail shall be rectangular C-channel aluminum alloy 6 inches tall X 1.9 inches wide minimum .200 inch wall thickness material. The outer rail shall form the complete bed perimeter without any open or offset seams. The outer rail shall consist of square rear corners.

### e. PLATFORM DECK

Comply ☒ Exception ☐

Decking on the platform shall be .125 inch marine grade aluminum diamond plate. Decking shall be interior perimeter welded to the outer rail, and 6-12" intermittently along the cross sills.

### f. TAILBOARD

Comply ☒ Exception ☐

The tailboard shall consist of a framed tail apron integral in design with the platform. The apron frame shall be rectangular C-channel aluminum alloy 3 inches tall X 1.4 inches wide minimum .170 inch wall thickness material. The interior flat surface of the apron shall consist of 1/8" aluminum diamond plate with the smooth surface to the inside. The tailboard shall finish with the outside edge of the apron frame even with the corners of the platform.

The apron shall house all referenced lighting, steps, and draft tube storage. The apron shall be sufficient in design to grant a departure angle of 24 degrees. The completed tailboard assembly shall meet all other requirements of NFPA 1906 for angle of departure.

### g. FUEL TANK FILLER

Comply ☒ Exception ☐

The rear fuel filler-neck bezel shall be incorporated into the bed channel outer rail unless using an OEM standalone system. Fuel cap shall not protrude past outer rail. The fuel tank filler shall be mounted in accordance with FMVSS 301. The fuel filler hose shall not touch any rough or sharp surfaces, and have no kinks or restrictions. Hose shall be supported on no more than 16-inch centers, have at least 6 inches clearance from the rear tire with any amount of suspension travel, and if closer than 12 inches to the tires, have a shield to protect it from objects that may be thrown from the tires. Secondary tank fill options will be discussed at prebuild.

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### **h. DRAFT LINE STORAGE**

**Comply** ☒ **Exception** ☐

Draft hose storage shall be mounted under the platform, between the frame rails of the truck. The draft hose box shall be a minimum of 4 inches tall, 24 inches wide and 100 inches deep. The opening is covered with a drop hinged, slam shut, Stainless Steel door with push button latches.

### **6. REAR CAB PROTECTION (RCP)**

**Comply** ☒ **Exception** ☐

One (1) headboard (RCP) shall be fabricated and installed at the forward end of the apparatus body, directly behind the cab. The RCP frame perimeter shall be rectangular C-channel aluminum alloy 4 inches tall X 1.5 inches wide minimum .180 inch wall thickness material. The material will be tapered in a similar fashion to the shape of the chassis cab.

One horizontal cross-member located at approximately 1/3 the height with 1 1/8" Aluminum diamond tread plate shall be perimeter welded with the tread plate surface forward to the rearward side of the framework on the lower segment. The upper segment shall show a protective framework of 1" x 1" tubing effectively safeguarding the rear window of the chassis cab.

The unit shall be attached by a welded rearward gusset and to the lower frame itself by grade 5 bolts. The unit also has twin light bar perches on the top of the bar for easy mounting of emergency light products.

### **7. COMPARTMENTATION**

**Comply** ☒ **Exception** ☐

All storage compartment walls shall be constructed from .125 inch aluminum diamond plate. All internal frame work shall be constructed of .125 inch formed aluminum structural members. All compartment interiors shall be free of exposed electrical harnesses or plumbing components. All compartments shall be as large as possible, as determined by the design of the apparatus. Compartment configuration and approximate sizes required are listed below:

#### **a. DRIVER'S SIDE FRONT COMPARTMENTS**

**Comply** ☒ **Exception** ☐

The driver's side front box on the apparatus body shall have approximate dimensions of 72" L X 30" H x 18" D containing two (2) compartments with vertical hinged doors. The driver's side front section box on the apparatus body shall have approximate dimensions of 24" L X 30" H x 18" D with a single horizontal hinged door. The driver's side rear section box on the apparatus body shall have approximate dimensions of 48" L X 30" H x 18" D with double horizontal hinged doors.

#### **b. PASSENGER'S SIDE FRONT COMPARTMENT**

**Comply** ☒ **Exception** ☐

The passenger's side front box on the apparatus body shall have approximate dimensions of 72" L X 30" H x 18" D containing two (2) compartments with vertical hinged doors. The passenger's side front section box on the apparatus body shall have approximate dimensions of 24" L X 30" H x 18" D with a single horizontal hinged door. The passenger's side rear section box on the apparatus body shall have approximate dimensions of 48" L X 30" H x 18" D with double horizontal hinged doors.

#### **c. REAR TOP OF DECK STORAGE BOX**

**Comply** ☒ **Exception** ☐

Driver's side below hose reel drawer box, rear on top of the apparatus platform. The box has dimensions of 36" W x 20" H x 18" D and contains one (1) compartment with drop down horizontal hinged door with a D-Ring latch. This box will be upfitted to contain an engine protection line.

Passenger's side below hose reel drawer box, rear on top of the apparatus platform. The box has dimensions of 36" W x 20" H x 18" D and contains one (1) compartment with drop down horizontal hinged door with a D-Ring latch. This vented box will be upfitted to be the "chain saw" compartment. It will have a bolt on external sheath for the chain saw blade which will protrude behind the pump motor.

#### **d. TOP OF APPARATUS STORAGE BOX**

**Comply** ☒ **Exception** ☐

The top of apparatus cross box is located next to cab protection spanning across the top of the driver and passengers' front compartments. The box has dimensions of 36" W x 14" H x 96" D and is one (1) compartment with two (2) flip up horizontal hinged doors on either side with a D-Ring latch. This box will accommodate long tools.

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**e. LOWER BOXES**

**Comply** ☒ **Exception** ☐

Driver's side drawer lower box, front on the apparatus body shall be attached to the underside of the body from its top, forward of the rear wheels. The box has dimensions of 36" W x 12" H x 18" D and contains one (1) compartment with drop down horizontal hinged door. These are independent from the body shall grant compartment space mounted on the left side of the apparatus body.

The passenger's side drawer lower box, front on the apparatus body shall be attached to the underside of the body from its top, forward of the rear wheels. The box has dimensions of 36" W x 12" H x 18" D and contains one (1) compartment with drop down horizontal hinged door. These are independent from the body shall grant compartment space mounted on the left side of the apparatus body.

**f. COMPARTMENT DOORS**

**Comply** ☒ **Exception** ☐

All compartment doors shall be integral in design and recessed into the box (compartment body) sides, sized to provide easy access to all interior areas of the compartment. All doors shall be consistent in fit and finish with the compartment unit. All doors shall be weatherproof and maintain contact with all points of the weather stripping. Weather stripping shall be bulb type, attached to the opening flange of the compartment opening. The doors will have a cross style break in each door for strength.

**g. DOOR LATCHES AND HARDWARE**

**Comply** ☒ **Exception** ☐

Unless where noted, all compartment door latch assemblies shall be installed with threaded fasteners, shall not be welded, and shall be easily removable for servicing or replacement. All door latch assemblies shall be of a flush-mount, "D-Handle" design, with all external components fabricated from polished stainless steel. All latches shall be of a two position twist latch type design latching operation.

All hardware shall be corrosion resistant and suitable for its intended use. All nuts and bolts shall be stainless steel. Stainless steel nuts shall be the self-locking type. All latch assemblies shall be keyed alike to 1250. Ten spare keys shall be provided.

**h. DOOR HOLD OPEN DEVICES**

**Comply** ☒ **Exception** ☐

All vertically-hinged, outward-opening compartment doors shall be provided with an over center door check to hold the door in the desired position. The door check is spring type that when door latch is released the door "springs" to an open position. To release, the spring is moved from the straight position and it folds into the "ready" to open position. It shall be attached to the top of the door and fastened to a plate bolted into the door. All vertically-hinged, outward opening compartment doors shall be capable of being closed with one hand, allowing a free hand to hold equipment or supplies.

All horizontally-hinged, drop-down, outward-opening compartment doors shall open flat to the surface below. All horizontally-hinged, overhead lift-up, outward opening compartment doors shall be provided with two (2) extending, gas cylinder type hold open devices, one (1) mounted vertically on each side of the compartment door opening. The pressure rating of the gas cylinders shall be carefully matched to the size and weight of the compartment door, and shall hold the compartment door securely open to a greater than 90° angle without additional support. The gas cylinder hold openers shall dampen the upward movement of the compartment door while opening and will permit closing of the box door without need to release any type of manual locking devices.

**i. ADJUSTABLE SHELF CHANNELS**

**Comply** ☒ **Exception** ☐

Vertically-mounted aluminum (punched finger style) slim-line shelf system shall be provided and welded to the side wall of all enclosed top compartments. This is for the current or future installation of adjustable shelving, slide out trays or equipment brackets.

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**j. COMPARTMENT SHELVES**

Comply ☒ Exception ☐

Four (4) adjustable shelves shall be provided and installed in the completed top body compartments. The shelving system shall be mounted on a punched finger style) slim-line track to allow the change of elevation. The shelves shall be 17.5" in depth, width of the box with 2" peripheral lip constructed of aluminum and be capable of supporting 250 lbs. of live load without being damaged or permanently distorted.

The shelf locations shall be as follows:

- Two (2) in the driver's side top front compartment box front section.
- Two (2) in the driver's side top front compartment box rear section.
- Two (2) in the passenger's side top front compartment box front section.
- Two (2) in the passenger's side top front compartment box rear section.

**k. TOP OF BOX BASKETS**

Comply ☒ Exception ☐

Two (2) storage cages shall be provided and installed above the top storage compartments with approximate dimensions of 36" L X 8" H X 18" D. The storage cage shall be constructed of 1/8 inch aluminum with a punched open mesh material as to allow free air flow from all sides, double folded top 1" section for strength and a solid bottom. The outward facing sides shall be smooth (un-punched) 6" from the bottom allowing for a 6" face to install department graphics. It shall be open at the top. They will be mounted by rubber cushion leaving a .125 gap underneath and stainless bolts with nylocks.

**8. BODY ELECTRICAL REQUIREMENTS**

**j. WIRING SPECIFICATIONS**

Comply ☒ Exception ☐

All apparatus body electrical components shall be served by independent circuits which shall be separate and distinct from the apparatus cab and chassis electrical circuits. All wiring supplied and installed by the apparatus manufacturer shall be installed in flexible split convoluted loom and shall be color coded and function labeled at 6" intervals per NFPA standards. All wiring supplied and installed from the apparatus manufacturer by an EVT certified technician shall be grease, oil and moisture resistant; and shall be securely fastened with insulated metal clamps and nylon wire ties. Solderless insulated connectors shall be utilized at all splice joints and shall be enclosed with heat shrink tubing for extra corrosion protection. Automatic reset type circuit breakers shall be provided wherever possible. The following electrical components shall be provided and installed on the completed apparatus by the apparatus builder:

**k. LIGHTING SPECIFICATIONS**

Comply ☒ Exception ☐

All Lighting shall meet Federal Motor Vehicle Safety Standards. It is acceptable to utilize the existing light fixtures furnished with the cab and chassis. Clearance and identification lights shall be easily changed rubber-mounted, shock proof LED and meet FMVSS 108 requirements.

**l. BACK UP LIGHTS**

Comply ☒ Exception ☐

A pair of Truck-lite LED Oval Sealed 24 Diode Pattern, or equivalent, clear LED back up lights shall be provided at the rear of the body, one (1) each side, above the rear step. The backup lights shall be wired so that they illuminate when the chassis is placed in reverse gear and/or when the rear flood light switch is activated in the cab.

**m. TAIL LIGHTS WITH STOP/TURN FUNCTION**

Comply ☒ Exception ☐

Two pairs of Truck-lite LED Oval Sealed 24 Diode Pattern, or equivalent, red LED combination tail/brake lights shall be provided at the rear of the body, one pair on each side, above the rear step.

**n. LICENSE PLATE BRACKET AND LIGHT**

Comply ☒ Exception ☐

Two (2) Truck-lite brand, 26 Series LED clear light fixture, or equivalent, with license plate mounting bracket, shall be provided at the rear of the body.

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- o. CLUSTER/CLEARANCE LIGHTS AND REFLECTORS**      **Comply** ☒      **Exception** ☐  
Three (3) round ICC LED clearance lights shall be located at the rear of the apparatus above the bumper. Additional lighting clearance lights shall be provided to conform to DOT, Federal and NHTSA specifications for vehicles of 80" wide. All lighting shall be compatible with the 12V chassis electrical system. Lighting shall be located according to ICC regulations.
- p. FORWARD UPPER ZONE A/B/D LIGHT BAR**      **Comply** ☒      **Exception** ☐  
One (1) Federal Signal brand, Integrity LED light bar, or equivalent, shall be provided and installed on the forward leading edge of the rear cab protection rack, facing forward. The light bar shall be 51" wide, and shall contain the following modules:
- Ten (10) front position, forward facing, red and white flashing modules with clear lens
  - Three (3) end position, sideways facing, red and white "alley" LED modules with clear lens
  - Two (2) outside rear position, red and white flashing modules with clear lens
  - Eight (8) rear position, rear facing, red and amber flashing modules with clear lens
- The light bar shall be wired to a switch located on the cab center console.
- q. AFT LOWER ZONE B/D WARNING LIGHTS**      **Comply** ☒      **Exception** ☐  
Two (2) Federal Signal brand, MicroPulse Wide Angle Light, or equivalent, red/white LED flashers, with mounting flanges, shall be provided on the rear sides of the apparatus chassis, over the rear wheel, side facing, one (1) per side, for use as "rear intersection" lights. The lights shall be wired to a switch located on the cab center console.
- r. AFT LOWER ZONE C WARNING LIGHTS**      **Comply** ☒      **Exception** ☐  
Two (2) Federal Signal brand, MicroPulse Wide Angle Light, or equivalent, red/white LED flashers, with mounting flanges, shall be provided on the lower rear of the apparatus, rear facing, one (1) each side. The lights shall be wired to a switch located on the cab center console.
- s. PERIMETER LIGHTING**      **Comply** ☒      **Exception** ☐  
Four (4) E-10 Tecniq clear LED lights shall be provided under the apparatus body, one (1) forward and one (1) aft of the rear wheel wells, both sides of the body. The lights shall be housed within an enclosure sufficient to protect from damage. The perimeter lighting shall be activated by switch on the cab console.
- t. COMPARTMENT LIGHTS**      **Comply** ☒      **Exception** ☐  
One (1) ROM brand 12" LED cargo light, or equivalent, facing with the hinge on the compartment door, shall be provided to illuminate the compartment. Lighting shall be plastic encapsulated, shock resistant, continuous LED light segments. The LED strip lights shall be attached securely at the sides and top of each compartment opening depending on placement. All compartment lights shall be switched with magnetic switching on each box illuminating on demand except for the draft line storage.
- u. KUSSMAUL AUTO-EJECT 20 AMP**      **Comply** ☒      **Exception** ☐  
The Super Auto Eject or equal is a completely sealed automatic power line disconnect. This prevents contamination of the mechanism by road dirt, and ensures long reliable life even when mounted in the most severe environment. A novel internal switch arrangement closes and opens the 120 Volt AC circuit after the mating connector is inserted, and before the connector is removed. This eliminates arcing at the connector contacts, and assures long contact life. As with all Auto Ejects, the Super Auto Eject is connected to the starter circuit, so that ejection occurs when the engine is cranked. The unit is mounted in the rail of the cab protection.
- 9. OTHER APPARATUS BODY ITEMS**
- a. EXHAUST SYSTEM**      **Comply** ☒      **Exception** ☐  
The exhaust system shall remain unmodified and as received from the chassis manufacturer. If the exhaust system proves to be in conflict with mounting items or departure angle, a conference between the chassis manufacturer, the apparatus builder and the department shall ensue about

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proper placement. Upon agreement, the apparatus builder shall move the exhaust system properly to its new placement at no extra charge.

- b. **MUD FLAPS** Comply ☒ Exception ☐  
One (1) pair of flexible rubber mud flaps shall be provided on both sides of the apparatus body behind the rear wheels. The mud flaps shall not bear company logos. The mud flaps shall extend down far enough to be effective but shall not allow the flaps to become entangled with the rear tires when the apparatus is backing up.
- c. **BUMPER – RECEIVER HITCH** Comply ☒ Exception ☐  
The completed tailboard assembly looks as it serves as the vehicle bumper but does not meet all associated requirements. Nestled under the tailboard is a receiver hitch and attached underbar that will meet bumper specifications. Underbar is integral with the lower section of the rear springer mounting system which is attached to the frame. Add holes for two D-rings.
- d. **REAR STEP** Comply ☒ Exception ☐  
One (1) NFPA-compliant fold down step shall be provided and installed at the rear of the apparatus via the receiver hitch. The step shall be fabricated from heavy duty cast aluminum with spring assisted folded hinges. The top of the step shall be an integral diamond point skid resistant surface that allows water to flow off the step without ice formation in cold weather use.
- e. **GRAB HANDLES** Comply ☒ Exception ☐  
Two (2) NFPA-compliant chrome-plated grab handles shall be provided and mounted at the rear; location determined by customer.

#### VI. PUMP PACKAGE

The following specifications are for a complete apparatus pump firefighting unit, consisting of tank, control panel, engine, pump and plumbing that shall be permanently mounted on the platform style body. The system shall cover the rest of the platform deck space.

1. **FASTENING COMPONENTS** Comply ☒ Exception ☐  
All fasteners and adjustable plumbing brackets used shall be stainless steel or polyplastic. All tubing shall use metal fittings, rated to 500 PSI and requiring no special tools. No underside nuts or bolts shall be used. Flexible connections shall have vibration wear protection.
2. **PUMP AND PLUMBING** Comply ☒ Exception ☐  
The following pump, plumbing, controls, gauges, and accessories shall be provided as indicated below. The plumbing requirements outlined below shall be considered a minimum standard, and are preferred to be followed by the apparatus manufacturer without exception:  
All plumbing components shall be fabricated from welded stainless steel with the exception of the valves, which will be brass and hose flex connections. All pump compartment components, including wiring, gauges, pump panel rear surfaces, high pressure hoses, and small diameter tubing, shall be left unpainted for rapid identification and ease of repair.
3. **PUMP UNIT**
- a. **PUMP MOTOR** Comply ☒ Exception ☐  
The engine shall be a 4-cycle Kubota D902-E4B-KEA-2, with overhead cam, water cooled design. Engine rating shall be Horsepower of 25hp @ 3600rpm and shall be designed to meet current CARB (California Air Resources Board) and EPA (Environmental Protection Agency) Tier 4 standards. A 12-volt electric system shall be provided with electric starter and a 45 amp alternator. Engine shall be equipped with a muffler with USDA approved spark arrestor. The pump/engine shall be isolation mounted onto a steel base.
- b. **PUMP** Comply ☒ Exception ☐  
The pump shall be a 4-stage centrifugal pump with the pump body, diffusers, and impellers made of anodized corrosive resistance aluminum. The impeller must be aluminum to match the

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pump body and diffusers in order to prevent galvanic corrosion from taking place between pump components. The impellers shall be 4.00 inches in diameter.

The pump shaft shall be stainless steel supported by two maintenance free bearings and shall not be co-linear to the engine's drive shaft. A sealed roller bearing shall be located externally from the pump and a sintered bronze bushing shall be located within the pump cover. Both bearings must be maintenance free. In addition, the pump seal shall be a mechanical rotary seal, shall be externally pressurized and shall incorporate a blister-resistant carbon seal face, silicon carbide seat, and fully integrated drive bushing.

The pump shall be coupled to a belt driven speed increaser with a quick release clamp capable of being removed by hand and without any additional tools. The quick release clamp system shall allow for the entire pump assembly, pump body with all its internal and external components, to be removable and capable of being service at a location away from the diesel engine and fire apparatus upon which it was part of. It shall also allow for the swapping out of the same or different performance pump assemblies within a minute's time.

The horizontal belt driven speed increaser shall be a low maintenance timing belt and pulley system. The belt shall be a high quality timing belt and the drive pulley shall mount directly on the engine drive shaft through a means of a keyed tapered locking device. The increaser shall be a 1 to 1.88 ratio. In addition, a dampening device shall be provided between the pump shaft and pump shaft pulley. Both the pump and horizontal speed increaser shall be painted red.

### c. PUMP PRIMING

Comply ☒ Exception ☐

One (1) positive displacement, oil-less, electric motor-driven piston priming pump, conforming to the NFPA requirements, shall be provided and installed on the cross member just aft of the cab body. The primer pump body shall be fabricated from heat-treated anodized aluminum for wear and corrosion resistance.

The primer pump electric motor shall be of a 12 VDC totally enclosed design. The priming pump shall not require lubrication from an external source. The priming pump shall be operated by a single push control valve mounted on the pump operator's panel. The control valve shall be of all brass construction.

### d. PUMP SUCTION/DISCHARGE

Comply ☒ Exception ☐

The suction and discharge ports shall be pipe thread, designed and located to accept applicable hose thread adapters. Standard unit supplied with 2½ " female NH thread pump intake and 1½ " male NH thread discharge.

### e. PUMP PERFORMANCE

Comply ☐ Exception ☒

The pump/engine shall perform to the standards of ISO Class 9. Typical pump performance from 5 foot draft thru 10 feet of suction hose at sea level shall be: 106 GPM (401 lpm) @ 150 PSI (10.3 BAR), 103 GPM (390 lpm) @ 250 PSI (17.2 BAR), 65 GPM (246 lpm) @ 350 PSI (24.1 BAR). The pump shall provide a maximum pressure of 395 PSI and a maximum flow of 106 GPM. The pump will be tested at the factory before shipment under the following conditions:

- (1) An elevation of not more than 2000 ft. above sea level
- (2) Through a single intake with 20 ft. of 3" suction hose equipped with a suction hose strainer
- (3) With a lift of 5 ft.
- (4) At 29.9" Hg atmospheric pressure (corrected to sea level)
- (5) At a water temperature of 60° F

### f. REAR MOUNTED PUMP OPERATOR'S PANEL

Comply ☒ Exception ☐

A pump operator's control panel shall be located at the rear of the apparatus body. It shall contain all controls necessary to operate the pump systems. The panel shall be appropriately sized with the controls positioned in a methodical, user-friendly format. The edges of the panel shall be smooth radius to prevent the snagging of clothing or injury. The panel shall have an extended top to

## Santaquin Fire & EMS Brush Truck Specifications

assist in weather protection and to house the panel lights. Controls shall be provided on the operator's panel as follows:

- Pump engine ignition/start/stop controls
- Starter push button
- Oil pressure warning light
- Engine temperature warning light
- Engine glow plug control light
- Throttle control
- Primer control
- 2.5" liquid filled Intake gauge
- 2.5" liquid filled Discharge gauge
- Operator's panel switching for perimeter lighting

**g. INTAKE PRESSURE GAUGE**

Comply ☒ Exception ☐

One (1) intake pressure gauge shall be provided on the operator's panel, located in a vertical pattern on the right side of the operator's panel. The gauge shall be a Class One brand, or equivalent, graduated from 30-0-600 PSI, with a minimum diameter of 2.5". The gauge shall have a diaphragm installed at the pressure inlet to prevent water from entering the body of the valve. The gauge shall be illuminated by the standard panel lighting.

**h. DISCHARGE PRESSURE GAUGE**

Comply ☒ Exception ☐

One (1) discharge pressure gauge shall be provided on the operator's panel, located in a vertical pattern on the right side of the operator's panel. The gauge shall be a Class One brand, or equivalent, graduated from 0-600 PSI, with a minimum diameter of 2.5". The gauge shall have a diaphragm installed at the pressure inlet to prevent water from entering the body of the valve. The gauge shall be illuminated by the standard panel lighting.

**i. PUMP PANEL LIGHT**

Comply ☒ Exception ☐

Two (2) E-03 Tecniq LED lights, or equivalent, facing downward, shall be provided to illuminate the rear pump operator's panel area. This light shall be controlled by a manual switch on the pump operator's panel.

**j. FUEL TANK SYSTEM**

Comply ☒ Exception ☐

The pump motor will use diesel the same as the chassis motor. Siphon shall be installed into the chassis tank. Siphoning shall occur at a level 1.5" above the chassis siphon system. A small engine electric fuel pump shall be installed to pump fuel to the level of the pump motor requirements.

**4. MAIN PUMP DISCHARGE AND INTAKE PLUMBING**

**a. MAIN SPECIFICATIONS**

Comply ☒ Exception ☐

The discharge and intake valves specified shall be either of a direct-actuated quarter turn design or shall be provided with control rods that are directly connected from the valve handle to the rear mounted pump panel area. All discharges and intakes shall have NST thread brass chrome rocker lug style caps with chains, unless designed to be pre-connected, or otherwise specified. Where vibration or chassis flexing may damage or loosen piping, the piping shall be equipped with Victaulic couplings, rubber pressure rated hose or hump hose connections. The main pressure manifold is behind the pump in front of the tank for uncluttered area on the rear of the platform.

The main suction and discharge plumbing shall be welded stainless steel pipe or high pressure flexible hose with appropriate fittings designed to withstand the normal operating pressures of the pump. All high pressure hose shall be installed with a swivel or Victaulic coupling on at least one end of the hose. The nominal sizes of all of the plumbing supplying the pump and discharges shall be as follows:

- Intake – 2½ inch tank to pump, 2½ inch fill
- Discharges – 1½ inch main pipe, 1½ inch branch
- Hose reel(s) – 1 inch

## Santaquin Fire & EMS Brush Truck Specifications

- b. **MAIN VALVES** Comply ☒ Exception ☐  
All valves shall be Akron 8800 series swing-out style or equivalent. All valves shall be designed to operate under normal conditions up to 500 PSI and shall have dual seats to work in both pressure and vacuum environments. All valves and controls shall be easily accessible for service, repair or replacement.
- c. **MASTER DRAIN** Comply ☒ Exception ☐  
A master drain valve shall be plumbed to the rear section of pump, suction plumbing and discharge plumbing as required to fully drain the piping and pump to prevent damage from freezing. The drain valve and associated plumbing will be designed to withstand pressures of 400 psi.
- d. **GAUGE DRAINS** Comply ☒ Exception ☐  
The pressure gauges shall be plumbed to the pump and plumbing drain.
- e. **DISCHARGE LOCATIONS** Comply ☒ Exception ☐  
The main discharge shall be plumbed with 1½" stainless steel pipe and/or 1½" flexible high pressure hose, and shall branch to 1½" and then terminate with:
- One (1) 1.5" discharge, shall be provided at the rear of the apparatus with 1.5" NH threads, with a 1.5" NSTF Chrome cap and chain. The discharge valve shall be controlled at the valve with a TSC style handle.
  - Two (2) 1" discharges, labeled "Hose Reel," shall be provided at the rear of the apparatus on both sides. The discharge shall be plumbed with stainless steel pipe and/or 1" flexible high pressure hose, and shall terminate at the hose reel. The hose reel discharge valve shall be controlled at the valve with a TSC style handle.
  - One (1) 1½" discharge, shall be provided inside the left rear box of the apparatus body for an engine protection line. The discharge valve shall be controlled at the valve with a TSC style handle.
- f. **INTAKE LOCATION** Comply ☒ Exception ☐  
One (1) Akron 2.5" valve or equivalent connected to a 2.5" intake shall be provided at the rear of the apparatus body, plumbed with 2.5" piping to the intake side tank to pump tee terminating with a NHM fitting with a 2.5" NHF Chrome cap and chain. A removable intake screen shall be installed to prevent debris from entering the pump. The valve shall have a T-handle control at the rear of the apparatus.
- g. **TANK FILL** Comply ☒ Exception ☐  
One (1) 1" Akron, or equivalent, tank refill, or recirculation line with a 1" quarter turn inline valve, shall be provided to allow the water tank to be refilled through the pump. The valve shall have a T-handle control at the rear of the apparatus.
- h. **TANK TO PUMP LINE** Comply ☒ Exception ☐  
One (1) Akron, or equivalent, 2.5" tank to pump inline valve, shall be installed between the water tank outlet and the pump inlet. The valve shall have a T-handle control at the rear of the apparatus.
5. **WATER TANK AND CONSTRUCTION** Comply ☐ Exception ☒  
The water tank with a footprint of 60" W x 72" L holding a minimum of 400 gallons shall be fabricated from ½" thick, non-corrosive stress relieved polypropylene, natural black in color and U.V. stabilized for maximum protection. Materials used shall be compatible with firefighting foams, retardants and wetting agents. All joints and seams shall be extrusion double welded and tested for maximum strength and integrity. The transverse baffle partitions shall be manufactured of the same material as the main body and extend from the floor of the tank to the cover to allow for positive welding and maximum integrity. All partitions shall be equipped with vent and air holes to permit movement of air and water between compartments. All baffle partitions shall interlock with one another and be welded to each other, as well as to the walls of the tank.

## Santaquin Fire & EMS Brush Truck Specifications

- a. The tank shall be designed to be completely independent of the platform structure and compartments, and shall be equipped with removable lifting eyes to facilitate ease of removal. All joints and seams shall be nitrogen-welded inside and out. All exposed edges on the tank and fill tower shall be rounded off to a ¼" radius.

The end wall of the tank, closest to the pump mount location shall have a vertical translucent panel sight gauge. The tank shall have a manual fill tower with a basket strainer for both the water tank and foam tank. The fill tower shall be constructed of same material as the rest of the tank and shall have a minimum dimension of 8 inch x 8 inch outer perimeter. The tower shall have a 0.25 inch thick, removable polypropylene screen installed in the throat of the fill tower. A combination vent and overflow pipe shall be fastened inside the fill tower, approximately 1.5 inch down from the top.

All internal piping shall be constructed of schedule 80 polypropylene pipe. The tank shall have a vent over-flow pipe that extends through the tank and exits under the vehicle. The tank sump shall have a plate welded approximately 2" above the sump to prevent water swirl. There shall be piping inside the tank with a suction tube to the sump. The suction tube shall extend down through the anti-swirl plate and baffles. Baffling will meet or exceed NFPA 1901. All fittings in the tank shall be heavy duty polypropylene and shall be welded inside and outside using industry acceptable practices. Tank inlets shall have flow deflectors inside the tank.

The tank shall have a limited Lifetime warranty that provides warranty service for the life of the fire apparatus in which the tank is installed. Warranties are transferable if the apparatus ownership changes by requesting the transfer.

- b. Integral 12 gallon foam cell built into tank  
c. Both tanks will have visual sight gauges built to the tanks.  
d. Spare tire mount shall bolt into a recessed area of the rear top of the water tank. When the tire is mounted in the spare position, the top of the tire will be the even with the top of the tank.
6. **BOOSTER HOSE REEL** Comply ☒ Exception ☐

Two (2) Hannay brand, Model # EF4128-17-20, or equivalent, booster hose reel, with a 70 amp breaker, and a capacity of 150 ft. of ¾" booster hose, shall be provided and installed at the right rear side of the platform deck. The hose shall dismount to the side of the apparatus.

The hose reel frame and drum shall be fabricated of steel with aluminum powder coat color, with the sprocket being chrome plated to minimize maintenance. The hose reel inlet connection shall be a 1" inline quarter turn valve and 1" flexible wire-reinforced hose. The hose reel outlet connection shall be 1" NH thread. The rewind control shall be located on the hose reel frame in an area determined by the fire department.

The reel shall be provided with a 2/3 HP, 12 Volt electric motor for rewinding the hose on to the reel. Each motor shall be controlled with one (1) Cole Hersee M-612, or equivalent, push button switch located on the pump control panel. The booster reels shall have provisions for manual rewind. The pinion shaft for the manual rewind gear shall have an adjustable tension brake, controlled at the reel. One (1) FH3 captive roller assembly, or equivalent, shall be provided for the reel.

7. **FOAM INDUCTION UNIT** Comply ☒ Exception ☐

A Trident "Foamate" Class "A" Foam proportioner or equal is a device for educting foam concentrate solution into hose lines of fire pumps, used in combating Forest and Urban/Wildland fires. The easy to proportioning head calibrates to educt foam concentrate at a variable percentage into hose lines flowing up to 400 GPM. The system has a pressure connecting hose, a system delivery hose and a foam pick-up hose. As water flow increases or decreases, the foam concentrate rate of injection is increased or decreased automatically to correspond to the water flow.

## Santaquin Fire & EMS Brush Truck Specifications

### 8. LABELING

#### a. TRUCK IDENTIFICATION PLATE

Comply ☒ Exception ☐

A truck identification plate shall be provided and installed on the pump operator's panel. The plate shall state the name and address of the apparatus manufacturer, the serial number of the unit and the pump performance test results.

#### b. PUMP OPERATING INSTRUCTION PLATE

Comply ☒ Exception ☐

An identification plate shall be provided on the pump operator's panel with step-by-step operating instructions.

#### c. PUMP PANEL LABELING

Comply ☒ Exception ☐

All controls, discharges, intakes, ports, drains, and other pump panel components that are not provided with a pre-printed legend or trim plate shall be labeled as required for ease of operation.

#### d. VALVE LABELING

Comply ☒ Exception ☐

Valves and /or Valve control handles shall be labeled as to duty. The tags shall be placed adjacent to the components in such a way as to clearly distinguish the item that they are identifying.

## VII. APPARATUS FINISH FOR TURN-KEY OPERATION

### 1. COMPLETED APPARATUS TESTING

#### a. PUMP PERFORMANCE TEST AND CERTIFICATION

Comply ☒ Exception ☐

Upon completion, the apparatus shall undergo a complete pumping test that conforms to the requirements of NFPA Standard 1906 (latest edition) for the size and type of pump provided in Lenoir, NC. The test shall consist of a continuous one-half hour test pumping at rated capacity and rated net pump pressure, a vacuum test of the primer system and plumbing, a tank discharge flow test and a pressure test of the apparatus piping. The chassis engine and transmission, the pump and other components of the apparatus shall show no undue heating, leaks, or other defect. The results of the test shall be documented to establish the performance of the apparatus and to further insure that the unit shall perform satisfactorily when placed into service. The test results shall be certified in writing, with the certification provided to the purchaser for their records at the time of delivery of the completed apparatus.

#### b. ELECTRICAL, LOW-VOLTAGE TEST

Comply ☒ Exception ☐

The fire apparatus low voltage electrical system shall be tested as required by this section and the test results shall be certified by the apparatus manufacturer. The certification shall be delivered to the purchaser with the documentation for the completed apparatus. The tests shall be performed when the air temperature is between 0°F and 110°F (18°C and 43°C).

#### c. TEST SEQUENCE

Comply ☒ Exception ☐

The three (3) tests defined below shall be performed in the order in which they appear. Before each test, the chassis batteries shall be fully charged until the voltage stabilizes at the voltage regulator set point and the lowest charge current is maintained for 10 minutes. The failure of any of these tests shall require a repeat of the test sequence.

#### d. RESERVE CAPACITY TEST

Comply ☒ Exception ☐

The chassis engine shall be started and kept running until the chassis engine and engine compartment temperatures are stabilized at normal operating temperatures and the chassis battery system is fully charged. The chassis engine shall be shut off and the minimum continuous electrical load shall be applied for 10 minutes. All electrical loads shall be turned off prior to attempting to restart the chassis engine. The chassis battery system shall then be capable of restarting the chassis engine. The failure to restart the chassis engine shall be considered a failure of this test.

#### e. ALTERNATOR PERFORMANCE TEST AT IDLE

Comply ☒ Exception ☐

The minimum continuous electrical load shall be applied with the chassis engine running at idle speed. The chassis engine temperature shall be stabilized at normal operating temperature. The

## Santaquin Fire & EMS Brush Truck Specifications

chassis battery system shall be tested to detect the presence of a chassis battery current discharge. The detection of chassis battery current discharge shall be considered a failure of this test.

**f. ALTERNATOR PERFORMANCE TEST AT FULL LOAD**      **Comply** ☒      **Exception** ☐

The total continuous electrical load shall be applied with the chassis engine running up to the engine manufacturer's governed speed. The test duration shall be a minimum of two (2) hours. The activation of the electrical system load management system shall be permitted during this test. The activation of an alarm due to excessive chassis battery discharge, as detected by the system required by NFPA (current edition), or an electrical system voltage of less than 11.8 VDC for a 12 VDC nominal system, for more than 120 seconds, shall be considered a failure of this test.

**g. LOW VOLTAGE ALARM TEST**      **Comply** ☒      **Exception** ☐

Following the completion of the tests described above, the chassis engine shall be turned off. With the chassis engine turned off, the total continuous electrical load shall be applied and shall continue to be applied until the excessive battery discharge alarm activates. The chassis battery voltage shall be measured at the battery terminals.

The test shall be considered to be a failure if the low voltage alarm has not yet sounded 140 seconds after the voltage drops to 11.50VDC for a 12 VDC nominal system. The chassis battery system shall then be able to restart the chassis engine. The failure of the chassis battery system to restart the chassis engine shall be considered a failure of this test.

**h. DOCUMENTATION**      **Comply** ☒      **Exception** ☐

The apparatus manufacturer shall provide the results of the low-voltage electrical system performance test, certified in writing, with the documentation provided to the purchaser at the time of delivery of the completed apparatus. The test results shall consist of the following documents:

- A written electrical load analysis, including the following:
  - The nameplate rating of the alternator.
  - The alternator rating under the conditions specified in NFPA 1906 (current edition).
  - Each of the component loads specified that make up the minimum continuous electrical load.
  - Additional electrical loads that, when added to the minimum continuous electrical load, determine the total continuous electrical load.
  - Each individual intermittent electrical load.

### **2. APPARATUS FINISH**

**a. COMPLETE APPARATUS BODY COLOR**      **Comply** ☒      **Exception** ☐

- Chassis color is OEM Race Red.
- The apparatus body of diamond plate and channel aluminum shall not be painted.
- The front bumper shall be powder coated black.
- The wheels shall be OEM gray.
- The compartment doors shall be powder coated red.

**b. STRIPING**      **Comply** ☒      **Exception** ☐

A 1-3-1 theme white-(red)-black-(red)-white retro-reflective stripe shall be provided and installed horizontally on both the chassis cab and body. The stripe shall be placed as low as possible on the vertical surfaces on the sides of the front door (front fender) allowing room above the stripe to install a department logo. The stripe shall continue on the apparatus platform in the bed rail and continue around the platform to the opposite side front.

**c. CAB AND BODY LETTERING AND STRIPING**      **Comply** ☒      **Exception** ☐

Retro-reflective material, shall be provided and installed on the apparatus as follows:

- The department designator, in 4" tall letters, shall be provided on approximately centered on the dunnage basket above the compartments on each side of the apparatus body. The words "Brush 141", in 4" tall red scripted letters, shall be applied on both sides, centered in a 6" white reflective stripe on the basket.

## Santaquin Fire & EMS Brush Truck Specifications

- The unit designator, (example Brush 141) in 3" tall letters, shall be provided centered on the swept back portion of the front bumper on the passenger's side.
- The unit designator, (example Brush -23) in 4" tall letters, shall be provided centered on the rear facing portion of the hose reel on the passenger's side.
- The apparatus manufacturer shall install Government supplied door decals (shield / logo) on the front cab doors, above the white/red reflective striping.

**d. INTERGATION OF OEM REAR CAMERA**

Comply ☒ Exception ☐

If this option is included in the chassis, install OEM rear camera into apparatus body making sure the camera is in the best possible position for safety and usage.

**3. EQUIPMENT**

Comply ☒ Exception ☐

The following equipment shall be provided with the completed apparatus. The equipment shall be new and unused, and shall meet all current NFPA, OSHA and other applicable safety regulations.

**a. MANUALS AND DRAWINGS**

Comply ☒ Exception ☐

- The following specified materials shall be provided with the completed apparatus:
- One (1) complete set of standard chassis operation, parts and service manuals.
- One (1) apparatus manufacturer's operation and service manual, to include:
  - ✓ Manufacturer's Record of Construction
  - ✓ Warranty Registration and Information
  - ✓ Operator Safety Information
  - ✓ Pump Operation and Troubleshooting Instructions
  - ✓ Vehicle Exterior Maintenance Instructions
  - ✓ Maintenance and Lubrication Information & Charts
  - ✓ Complete Electrical Diagrams
  - ✓ Component Literature (ie: siren, hose reel, etc.)
  - ✓ Pump Test Certificate, Weight Certificate, Service Parts Replacement List

**b. HYDRANT WRENCH HOLDER**

Comply ☒ Exception ☐

One (1) national Firefighter brand, FEQ 148, or equivalent, three position captive latching type/hydrant/spanner wrench holder shall be permanently affixed per department recommendation at mid-build meeting. Holder is modified so hydrant wrench is holstered instead of clipped. Tools are included with the holder.

**c. BOOSTER HOSE**

Comply ☒ Exception ☐

Install 150 feet per hose reel of ¾" Mercedes Boost Lite. This hose is designed as a rigid, non-collapsible hose to fit hose reels, field repairable and meets a variety of wildland fire attack requirements. The bend radius is less than 3.5" (8.9 cm) on the ¾" inch (19mm) hose with a unique Mertex® lining yields an extremely low friction loss, for maximum flow and superior adhesion for long life. The standard Strobe Yellow Permatek™ HP treatment allows for greater visibility & abrasion resistance and greatly reduces moisture absorption through the jacket with a usable temperature range of -60° F to 160° F (-50° C to 71° C).

**d. WHEEL CHOCKS**

Comply ☒ Exception ☐

Two (2) Zico brand AC-32 or equal NFPA 1901-09 compliant wheel chocks shall be provided with the completed apparatus, one (1) each side. They will be mounted to the underside of the platform behind the mud flaps with Zico brand QCH-32-H or equal holders for convenient storage.

**e. DRAFT HOSE**

Comply ☒ Exception ☐

Three (3) eight foot x 2.5" draft hoses shall be placed ready to use in the draft hose storage under the platform. Two will have a FNH and MNH connection. The last will have a permanent 4" barrel strainer and FNH connection.

## Santaquin Fire & EMS Brush Truck Specifications

**f. ELECTRIC LEVEL GAUGES**

Comply ☒ Exception ☐

The FRC Tank Vision or equal is the ultimate solution in water and/or foam volume monitoring. It uses a pressure sensor to sense the amount of liquid in the tank and can be calibrated to accurately display the volume in tanks of all shapes and sizes. The unit has standard features of nine highly visible ultra-bright LEDs providing an accurate display. The wide-viewing 180° lens is easy to see under all conditions.

**g. LEVEL GAUGES (Minis on Console)**

Comply ☒ Exception ☐

The FRC Tank Vision or equal is the ultimate solution in water and/or foam volume monitoring. It uses a pressure sensor to sense the amount of liquid in the tank and can be calibrated to accurately display the volume in tanks of all shapes and sizes. The unit has standard features of nine highly visible ultra-bright LEDs providing an accurate display. The wide-viewing 180° lens is easy to see under all conditions.

**h. TURTLE TILE**

Comply ☒ Exception ☐

Turtle tile or equal in all compartments floors and shelves to protect the apparatus and tools. Turtle Plastic's 3/4" thick industrial grade Turtle Tiles compartment matting has an open grid design which allows for maximum drainage and traction. Each tile has 77 sturdy feet to provide even support and 8 locks (2 sides with 2 male T tabs, 2 sides with 2 female T slots). Plus, the matting is resistant to fungus, mold, grease, solvents, and most common chemicals.

**i. DRIP TORCHES**

Comply ☒ Exception ☐

Two powder coated red and made of lightweight aluminum alloy drip torch that is designed to withstand the rough treatment that drip torches often endure. The safety loop is well away from the flame so there is no danger of the fuel in the loop (liquid seal) vaporizing from heat. The screw type vent valve introduces air to the bottom of the tank to relieve the vacuum created as fuel is being used. The wick is made of inserted fiberglass. With holders, they will be installed in front the hose reel on top of the rear box.

**4. COST**

Chassis Cost       \$ 000       Build Time       0 Days or less        
Chassis is purchased already by department

Apparatus Cost 106,000.00 Build Time 120-150 days from PO

As described above

Total Cost/Unit       \$ 106,000.00       Total Time 120-150 days

Wesley Robinson 12/21/19 Wesley Robinson  
• Signature of bidder Date Name of bidder

Ken Garff West Valley 801-297-7415 West Ken Garff  
• Name of bidding company phone # email

4175 W 3500 S West Valley UT, 84120  
• Bidding company address

## Santaquin Fire & EMS Brush Truck Specifications

### 5. OPTIONS OF ADDITIONAL COST

**a. FOAM INJECTION UNIT**

Comply ☐

Price \$ 5600.00

Upgrade from the Trident induction to the FoamPro System 1601 or equal using an electric motor driven flow-based proportioning system that measures water flow and then injects the proportional amount of foam concentrate to maintain the preset percentage. The system will accurately deliver from 0.1% to 1.0% foam concentrate to the foam injector fitting. The flowmeter measures the water flow and sends a signal to the motor driver control. Another sensing device monitors the foam pump output. Constant comparison of these two information signals by the computer ensures maintenance of the desired proportion of foam concentrate at all times based on the water flow rate, independent of any variations in fire pump intake or discharge pressures. As water flow increases or decreases, the foam concentrate rate of injection is increased or decreased automatically to correspond to the water flow.

**b. REROUTE PUMP MOTOR EXHAUST**

Comply ☐

Price \$ 450.00

The exhaust piping from the pump motor will be redirected downward through the floor of the platform and end up routing just above the chassis exhaust. The pipe system will have vibration mounts to keep the system from cracking or leaking. The pipe system will have heat wrap in sensitive areas in order to reduce any exhaust routing high heat issues. This treatment will reduce heat around the pump and dunnage area.

# **Mallory Fire Proposed Specifications**



# Mallory Fire

A Division of Mallory Safety & Supply LLC

1040 Industrial Way Longview Washington 800-426-6830 [www.malloryco.com](http://www.malloryco.com)

December 2, 2019

**TYPE 6 WILDLAND FIREFIGHTING SKID WITH A  
400 GALLON TANK AND A FOUR STAGE DIESEL DRIVEN PUMP.**

Prepared for:

Name:

Agency:

Phone:

Fax:

E-mail:

**Prepared by:** Mike Beutler

**F.O.B. - Longview, WA**

**COMPLETION – 120-150 Days ARO chassis**

### Warranties

- Chassis
- Apparatus
- Water tank
- Aluminum body and compartments
- Emergency lighting products

### Chassis

- Customer supplied 2019 Dodge 5500 diesel, 4X4 crew cab chassis with 60" CA.
- Center console
  - \_\_\_\_\_ or equivalent
    - Two (2) 12 power points
    - Siren control head
    - Two (2) brackets for customer radios
    - Two position USB
    - Two (2) cup holders
    - Three (3) mic clips
    - One (1) storage pocket
- Hose and harness protection and under chassis shielding if required
- Chassis air intake ember guard installed
- Cabin air ember guard installed
- Red Goat brand front bumper and brush guard
- Mud flaps
- Bumper receiver hitch
- Rear step
- Grab handles
- Rear camera

### Chassis Electrical

- Battery master switch located inside the driver's door
- Battery on indicator light in the center console
- Junction boxes located inside center console
- NFPA compliant Back-up alarm activated in reverse gear
- Kussmaul Auto charge 1200 battery charger wired to shoreline
- Kussmaul 20 amp Super Auto-Eject plug installed at rear of body

### Audible warning

- Federal Signal SS-2000 siren amplifier installed in center console
- Federal Signal AS124 speaker installed at front of vehicle
- 

### Warning lights

- Four (4) Federal Signal Micro Pulse LED lights installed to front of vehicle

- Two (2) Federal Signal Micro Pulse LED lights installed at ends of bumper as intersection lights
- Light bar
- Rear warning

#### Flat bed

- The flat bed will have the following dimensions:
  - Length: 114"
  - Width: 96"
- The truck will be equipped with flat bed constructed entirely of aluminum.
- All structural members will be 6061-T6 extruded aluminum for durability, corrosion resistance, and long life.
- All structural components (cross members, deckboards, etc...) will be mechanically fastened using aircraft style Huck rivet fasteners.
- The flat bed will be supported with 5" aluminum "Z" cross members spaced accordingly to provide a minimum of 1,000 lbs. of load capacity every foot of linear bed length
- The flat bed will have a 6-1/2" high extruded 6061-T6 aluminum side rail running around the perimeter of the bed and welded at the corners. These channels will be designed to incorporate the inter-locking mechanically fastened deck panels and cross members.
- The decking will be assembled using inter-locking tongue and groove 6061-T6 extruded aluminum slats that are 6" wide and run the length of the bed.
- All ICC required marker lights will be 2" round, rubber mounted LED lamps.
- The stop/tail/turn lights will be 4" oval, rubber mounted LED lamps, mounted in the rear light panel, two (2) each side. These lights will have red lenses and be wired to the OEM provided lighting harness.
- The backup lights will be 4" oval, rubber mounted LED lamps, mounted inboard of the tail lamps in the rear light panel, one (1) each side. These lights will have clear lenses and will be wired to the OEM provided reverse lighting harness.
- An aluminum recessed fuel filler will be mechanically fastened into the side of the extruded aluminum side rail mounted appropriately to facilitate fuel filling into the chassis fuel tank.
- Body will be mounted using a spring mount system to allow flex and twist.
- There will be rubber mud flaps mounted behind the rear tires. These mud flaps will meet all DOT requirements and be mounted in a location so as not to interfere with tire chains.
- There will be a 46" – 48" aluminum rack installed at the front of the bed to protect the cab from damage. The rack will be constructed of heptagonal extruded aluminum tubing and will have tapered corners that match the profile

of the cab. The bottom half of the cab rack will utilize .105" 5052 diamond plate between the uprights, and ½" 6063-T4 aluminum amplimesh on the upper half.

- A 7-1/2" deep aluminum grip strut step will be installed below the rear light panel mounted directly above a 2" receiver hitch (if applicable)
- A license plate holder with LED lamp will be provided at the rear of the vehicle.
- There will be a class V receiver hitch mounted directly to the chassis frame rails and be accessible with the rear step in the stored position. The hitch will have a seven pin connector for trailer lighting.
- There will be enclosed storage provided for three (3) 8' sections of suction hose. The storage will be located under the deck, between the frame rails and will have one, hinged aluminum drop-down door.
- The boxes will be fabricated from .125 5052 aluminum diamond plate
- Compartment doors will be smooth aluminum powder coated red.
- The door hinge will be fabricated of stainless steel and mounted at the forward edge of the door on all hinged doors. Gas struts will be installed with reinforced mounting points
- Each door will have a single, hollow core automotive grade rubber bulb seal attached to an interior rain gutter, running the entire perimeter. Foam style door seals will not be accepted.
- Each storage box will have chrome plated, "T" handle rotary latches recessed into the door face.
- **TRANSVERSE COMPARTMENT**
- There will be an aluminum compartment installed at the front of the flat bed, above the water tank. This compartment will be approximately 96" deep x 36" long x 14" tall, and be equipped with lift up doors at each end equipped with gas struts.
- **UPPER SIDE BOXES**
- There will be two (2) aluminum storage boxes mounted to the top of the flat bed, one (1) each side, outboard of the water tank. The boxes will be 72" wide x 30" tall x 18" deep with two (2) sets of vertically hinged doors with gas struts.
- The right side front compartment will have two (2) adjustable shelves.
- The left side compartment will include two (2) adjustable shelves.
- There will be two (2) aluminum storage boxes mounted to the top of the flat bed, one (1) each side, towards the rear of the body. The boxes will be 36" wide x 20" tall x 18" deep with one (1) drop down door. The right side box will be vented with sheath for a chain saw. The left side compartment will have a plumbed discharge for a jump line.
- **FORWARD UNDER BODY COMPARTMENTS**

- There will be two (2) aluminum underbody storage boxes mounted forward of the rear wheels, one (1) each side. The compartments will be 36" wide x 15" tall x 18" deep, and will have a single drop down doors with lanyards.
- **EQUIPMENT STORAGE BASKET**
- There will be an aluminum equipment storage basket mounted to the top of the side compartments. The basket sides will be fabricated of formed aluminum sheet with CNC cut diamonds and will be approximately 8" tall. The outer panels will be smooth sheet for application of district graphics
- **COMPARTMENT LIGHTING**
- Each compartment will have Maxxima compartment LED strip lighting controlled by a Cole-Hersee switch, activated when the doors are opened. Lights and wires will be securely fastened to the inside of the compartment in an orientation to offer full lighting of compartment space.
- **DECKING MATERIAL**
- All compartment floors and shelves will be covered with black Turtle Tile

#### Paint and finish

- Compartment door finish

#### Striping and lettering as per specifications

#### Custom Mallory built tank

- 400 gallons
- 10 gallon internal foam cell
- Constructed of ½" UV-stabilized black polypropylene, glossy finish
- Fully welded inside and out
- Mortised and welded joints to increase strength
- Fully baffled to NFPA 1906 guidelines
- 2" mounting flange at front and rear of tank
- Re-enforced removable lid with exterior flange
- Stainless steel bolt through flanges on tank to prevent leaks
- Stainless steel hardware
- Water fill tower with hinged lid and trash screen
- Foam fill tower with hinged lid, rubber latch and anti-siphon device
- ½" mounting pad on top of tank
- Translucent sight tubes for foam and water
- Anti-cavitation device/sump
- Lifetime warranty to the end user
- Spare tire storage designed into tank lid

### **Pump motor**

- Kubota 24 hp, 3 cylinder diesel engine
- Liquid cooled
- Electric start
- 

### **Pump**

- Four stage high pressure pump
- All aluminum construction
- Stainless steel pump shaft
- Sealed bearings
- Mechanical seal
- 2" NPSH inlet, 1 ½" NPSH outlet
- Belt driven with quick release clamp
- Pump performance:
  - 106 GPM @ 150 PSI
  - 103 GPM @ 250 PSI
  - 65 GPM @ 350 PSI

**NOTE:** These pump performance figures are based on the pump manufacturers data and not achievable when taking into account plumbing friction loss and elevation.

### **Control panel**

Aluminum housing with LED panel light  
2 ½" lighted pressure and vacuum gauges  
Master switch  
Start stop switch  
Oil pressure warning light  
Engine temperature warning light  
Engine glow plug control  
Throttle control  
Primer switch  
Panel light switch  
Scene light controls

### **Foam System**

Trident

### **Primer**

Electric primer

### **Plumbing**

All Plumbing to be a Combination of:

- Welded and threaded stainless steel
- High pressure hose with expanded couplings
- Full flow quarter turn valves
- Master drain
- Wye strainer

Inlet plumbing will consist of:

- Gated 2.5" tank-to-pump line
  - Akron 8825 valve with T handle
- Gated 2.5" suction
  - Akron 8825 valve with TSC handle
  - 2.5" NH male
  - Chrome cap & chain

Outlet plumbing will consist of:

- One (1) gated 1.5" discharge at rear
  - Akron 8815 valve with TSC handle
  - 1.5" NST male threads
  - Chrome cap & chain
- One (1) gated 1.5" discharge inside rear compartment
  - Akron 8815 valve with TSC handle
  - 1.5" NST male threads
- Two (2) gated 1.0" hose reel discharges
  - Akron 8810 valve with TSC handle
- Gated 1.0" tank fill
  - Akron 8810 valve with TSC handle

### **Hose Reel**

Two (2) Hannay Steel booster reels

- Mounted to top of rear side compartments
- 1.0" Male NPSH riser
- 0.3 HP rewind motor
- One (1) high mounted hose roller guide on each reel

- Rewind switch near reel

### Hose

150' of Mercedes Boostlite on each booster reel

### Tools and equipment

- Hydrant wrench holder
- Wheel chocks
- Drip torches

### Labels

- Fluid types and quantity
- Seating capacity
- Seat belt warning
- Vehicle height
- FSMVC label
- Noise hazard warning
- Air filter ember protection screen warning
- Truck ID plate
- Pump operating instruction plate
- Pump panel labeling
- Valve labeling

### Testing

- Pump performance test and certification
- Electrical low voltage test
- Reserve capacity test
- Alternator performance test at idle
- Alternator performance test at full load
- Low voltage alarm test
- 

[Thank you for the opportunity to provide this specification sheet.](#)



# **Mallory Fire Exceptions**

## **Santaquin Fire Brush Truck Spec**

### **Exceptions**

#### **Page 1 Section 2**

**Ken Garff and Mallory fire are not members of FAMA, However we build to all national standards and NFPA Requirements.**

#### **Page 3 Section 7**

**B- We will provide as built Electrical Diagrams, as of right now matching another manufactures build would make our wiring diagrams inaccurate. As Built Wiring diagrams will be provided at time of Delivery.**

**C- We will provide Class A drawing if awarded the bid within 30 days of PO for Customer Approval.**

#### **Page 8 Section V.**

**Our Body is Manufactured by Protec Industries in Washington, Thier standard building practices and layout will vary slightly to the specifed body, However they meet and exceed all required specifications for the Body. They will also install the body directly for Ken Garff, and Have a lifetime warranty on the build.**

#### **Page 15 section E**

**The listed pump performance would be done at a testing level of 2000' Currently we would have different pump performance level here in Utah due to higher Elevation, Our pump can achieve the following:**

**106 GPM @ 150 PSI**  
**103 GPM @ 250 PSI**  
**65 GPM @ 350 PSI**

**Page 17 Section 5.**

**Mallory Fire Would build he tank as close to this specification as possible, However if we lower the spare tire into the tank and do a rounder storage pocket, the poly welding could be weaker then other spots in the tank, We propose building a tank extension to house the tire, making the tank stronger. We will also work to achieve a desired tank with you and Mallory.**



# **Ken Garff Dealer Info**

# BUSINESS LICENSE CERTIFICATE

## WEST VALLEY CITY

License Number: 068145

3600 Constitution Blvd., West Valley City, UT 84119

Effective Date: 04/16/2019 Expiration Date: 04/30/2020

Finance Department - Business Services Division (801) 963-3290

This license is granted to the below named business owner to transact such business as this license allows at said location for the length of time specified, and under such conditions as applicable and hereon set forth. By accepting this license, the owner certifies that this business complies with all zoning, health, and licensing ordinances, statutes and laws. The owner also certifies that no other business activity except that described below will be conducted at this location unless specifically approved by the West Valley City Business Services Division. This license is issued without verification that the licensee is subject to or exempt from licensing by the State of Utah.

**Business Name:**

KEN GARFF WEST VALLEY CHRYSLER JEEP DODGE

**Business Address:**

4175 W 3500 S  
WEST VALLEY CITY, UT 84120

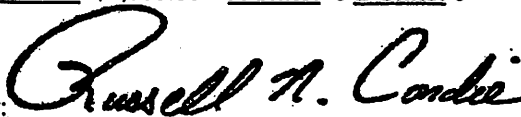
**NAICS Code:** 44111 **Emps:** 192 **Veh:** 0

**Fee Paid:** \$2,030.00 **A Units:** 0 **B Units:** 0

**Business Owner:**

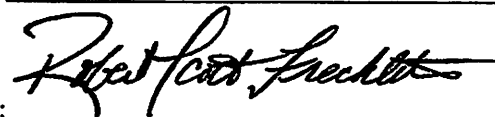
KEN GARFF WEST VALLEY /ATTN:LISA NIELSON  
4175 W 3500 S  
WEST VALLEY CITY, UT 84120-

By:



License Officer

By:



City Treasurer

TO BE POSTED IN A CONSPICUOUS PLACE

NOT TRANSFERABLE

**STATE OF UTAH  
DEPARTMENT OF COMMERCE  
ACTIVE REGISTRATION**

**EFFECTIVE DATE:** 02/04/2005

**EXPIRATION DATE:** 03/01/2020

**ISSUED TO:** KEN GARFF WEST VALLEY CHRYSLER JEEP  
DODGE RAM



**REFERENCE NUMBER(S), CLASSIFICATION(S) & DETAIL(S)**

**5828263-1051**

**Motor Vehicle Franchise Act Registration**

\_\_\_\_\_  
**SIGNATURE OF HOLDER**

**BOND OF MOTOR VEHICLE DEALER, SPECIAL EQUIPMENT DEALER, CRUSHER OR BODY SHOP**KNOW ALL PERSONS BY THESE PRESENTS: That we, Garff-WVF, LLC dba Ken Garff West Valley Fordof (Street Address) 4091 West 3500 South West Valley City, UT 84120(City), County of Salt LakeTravelers Casualty and Surety Company

, Utah, as Principal (hereinafter called Principal), and  
 a Surety Company qualified and authorized to  
 do business in the State of Utah, and with a rating of at least B+ with the A.M. Best Company, as Surety (hereinafter called Surety), are  
 jointly and severally held and firmly bound to the people of the State of Utah to indemnify persons, firms, and corporations for loss suffered  
 by reason of violation of the conditions hereinafter contained, in the total aggregate sum of seventy five thousand  
 Dollars (\$ 75,000.00), regardless of the number of claimants or the number of years a bond remains in force, as required by  
 Chapter 3, Title 41, Utah Code Ann. (1953, as amended), lawful money of the United States, for the payment of which sum well and truly  
 to be made, we, the said Principal and said Surety, bind ourselves, our heirs, executors, administrators, successors and assigns, jointly  
 and severally, and firmly by these presents. The total aggregate liability on this bond to all persons making claims, regardless of the  
 number of the claimants or the number of years a bond remains in force, may not exceed \$ 75,000.00, as set forth in Chapter  
 3, Title 41, Utah Code Ann. (1953, as amended).

THE CONDITION OF THIS OBLIGATION IS SUCH THAT:

WHEREAS, the above bounden Principal has applied for a license to do business as a Motor Vehicle Dealer  
 within the State of Utah, and that pursuant to the application, a license has been or is about to be issued.

NOW, THEREFORE, if the above bounden Principal shall obtain said license to do business as such Motor Vehicle  
Dealer, and shall:

1. Well and truly observe and comply with all requirements and provisions of THE MOTOR VEHICLE BUSINESS REGULATION ACT,  
 as provided by Chapter 3, Title 41, Utah Code Ann. (1953, as amended); and/or
2. Indemnify persons, firms and corporations in accordance with Chapter 3, Title 41, Utah Code Ann. ( 1953, as amended), for loss  
 suffered by reason of Principal's having failed to conduct business as a Dealer without:
  - (a) fraud;
  - (b) fraudulent representation;
  - (c) violating subsection 41-3-301(1), which requires a dealer to submit or deliver a certificate of title or manufacturer's certificate of  
 origin; or
  - (d) violating subsection 41-3-402(1 ), which requires payoff of liens on motor vehicles traded in;

during the time of said license and all lawful renewals thereof, then the above obligation shall be null and void; otherwise to remain  
 in full force and effect. A person making a claim on the bond shall be awarded attorney fees in cases successfully prosecuted or  
 settled against the surety or principal if the bond has not been depleted. The Surety or Principal shall notify the Motor Vehicle  
 Enforcement Division Administrator if a claim on the bond is successfully prosecuted or settled against the Surety or Principal.

Surety herein reserves the right to withdraw as such surety except as to any liability already incurred or accrued hereunder, and may do  
 so upon the giving of written notice of such withdrawal to the Principal and to the Motor Vehicle Enforcement Division Administrator  
 (Administrator); provided, however, that no withdrawal shall be effective for any purpose until sixty days shall have elapsed from and after  
 the receipt of such notice by the said Administrator; and further provided that no withdrawal shall in anyway affect the liability hereunder  
 of said Surety arising out of the actions of the Principal prior to the expiration of such period of sixty days, regardless of whether the loss  
 suffered has been reduced to judgment before the lapse of sixty days.

ANY CONFLICT BETWEEN THE TERMS OF THIS SURETY BOND AND PROVISIONS OF THE MOTOR VEHICLE BUSINESS REGU-  
 LATION ACT(Chapter 3 of Title 41, Utah Code Ann. (1953, as amended) SHALL BE RESOLVED IN FAVOR OF THE MOTOR VEHICLE  
 REGULATION ACT.

Signed and Sealed this 16th day of May, 20 18Garff-WVF, LLC dba Ken Garff West Valley Ford

Principal

Travelers Casualty and Surety Company, SuretyBy Michael Wade, Attorney-in-Fact

**Organizational Structure** Must check one.

**Individual**

☐ Sole Proprietor

**Government**

☐ Federal

☐ State

☐ Tribal

☐ Political Subdivision

**Business**

☐ Corporation

☐ General Partnership

☐ Limited Partnership

☐ Limited Liability Partnership

☐ Limited Liability Company

**Trust**

☐ Trust

---

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, in the year 20\_\_\_\_, before me, \_\_\_\_\_, a notary public, personally appeared before me, \_\_\_\_\_, proved on the basis of satisfactory evidence to be the person whose name is subscribed to this instrument and acknowledged he executed the same.

Witness my hand and official seal.

(NOTARY SEAL)

Notary signature: \_\_\_\_\_

---

**AFFIDAVIT OF QUALIFICATION**

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

\_\_\_\_\_ being first duly sworn, on oath deposes and says that he is the \_\_\_\_\_ of said company, and that he is duly authorized to execute and deliver the foregoing obligations; that said company is authorized to execute the same and has complied in all respects with the laws of Utah in reference to becoming sole surety upon bonds, undertakings and obligations.

Subscribed and sworn to before me

this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

(NOTARY SEAL)

Notary signature: \_\_\_\_\_

**COMMERCIAL INSURANCE****COMMON POLICY DECLARATIONS**

Policy Number GP 0381054-03  
Named Insured and Mailing Address  
GARFF ENTERPRISES, INC ETAL  
(SEE NAMED INSURED ENDT)  
111 EAST BROADWAY, STE 900  
SALT LAKE CITY UT 84111

Renewal of Number GP 0381054-02  
Producer and Mailing Address  
GALLAGHER PRESIDIO  
6967 S RIVER GATE DR STE 200  
MIDVALE UT 84047-1504

Producer Code 01510-000

Policy Period: Coverage begins 07/01/2018 at 12:01 A.M.; Coverage ends 07/01/2019 at 12:01 A.M.

The named insured is ☐ Individual ☐ Partnership ☒ Corporation  
☐ Other:

This insurance is provided by one or more of the stock insurance companies which are members of the Zurich-American Insurance Group. The company that provides coverage is designated on each Coverage Part Common Declarations. The company or companies providing this insurance may be referred to in this policy as "The Company", we, us, or our. The address of the companies of the Zurich-American Insurance Group are provided on the next page.

**THIS POLICY CONSISTS OF THE FOLLOWING COVERAGES(S):**

AUTO DEALERS

PREMIUM \$840,446

TRIA PREMIUM \$8,404

Issued by ZURICH AMERICAN INSURANCE COMPANY

**THIS PREMIUM MAY BE SUBJECT TO AUDIT**

**TOTAL**

**\$ 848,850**

This premium does not include Taxes and Surcharges.

SEE INSTALLMENT SCHEDULE

**Taxes and Surcharges**

**TOTAL**

**\$**

The Form(s) and Endorsement(s) made a part of this policy at the time of issue are listed on the **SCHEDULE of FORMS and ENDORSEMENTS.**

Countersigned this day of

Authorized Representative

THESE DECLARATIONS TOGETHER WITH THE COMMON POLICY CONDITIONS, COVERAGE PART DECLARATIONS, COVERAGE PART FORM(S), FORMS AND ENDORSEMENTS, IF ANY, ISSUED TO FORM A PART THEREOF, COMPLETE THE ABOVE NUMBERED POLICY.

UTAH STATE TAX COMMISSION  
MOTOR VEHICLE ENFORCEMENT DIVISION  
NEW MOTOR VEHICLE DEALER LICENSE  
**SALESPERSON IDENTIFICATION CARD**

BUSINESS #	LICENSE #	VALID FROM	VALID TO
4809	110216	20-Jun-2019	30-Jun-2020

WESLEE JAY ROBINSON

Is licensed as a Salesperson for:

KEN GARFF WEST VALLEY CHRYSLER JEEP DODGE RAM FIAT

4175 W 3500 S

WEST VALLEY UT 84120-3203

# Santaquin Fire & EMS

## Brush Truck Specifications

### I. QUOTE

#### 1. PURPOSE

Comply ☒ Exception ☐

The purpose of these specifications as written is an attempt to make comparisons of similar options that are available in the small apparatus industry. Therefore, bidders are required to submit a copy of these specifications (clearly marked) along with drawings, and other requested and pertinent information that will best describe the vehicle bid. **If a bidder does not submit a bid per the instructions in these specifications on a copy of the pages received with yes/no questions answered and exceptions listed and explained as required), the bid will be deemed incomplete and WILL BE REMOVED from the bidding process as non-responsive.**

#### 2. MINIMUM STANDARDS

Comply ☒ Exception ☐

The highest degree of quality materials and building processes is required for the emergency vehicle being proposed. At a minimum, each manufacturer must be a member of FAMA (Fire Apparatus Manufacturing Association) at the date of the proposal submission. All current Federal motor Vehicle Safety standards (FMVSS) must be met. In addition, all current NFPA 1906 must be met except where noted. These specifications shall in no way restrict the bids to any specific brand name. This agency reserved the right and shall determine the "or equal" brand name is truly equal. However, bids will only be considered from manufacturers that produce, assemble and complete apparatus within the continental United States.

#### 3. QUALIFICATION OF QUOTER

Comply ☒ Exception ☐

Successful bidder must be an authorized distributor for the products he/she offers on their apparatus build. Satisfactory evidence of the Bidder's ability to construct the apparatus specified shall be provided as follows:

- A statement showing the location of the factory where the apparatus is to be manufactured.
- The Bidder shall state the number of years the manufacturer has been building this specific type of apparatus.  

---

Reseller - N/A
- The Bidder shall state the number of years served as a Manufacturer.  

---

N/A
- All bidders must have all current licenses required by law to do business in the State of **Utah**.
- A statement indicating that the complete apparatus, with the exception of the cab and chassis, shall be assembled by one manufacturer.
- Preference may be given to a company that meets these qualifications and location is within 70 miles of **Santaquin, UT**.

#### 4. WARRANTIES

Comply ☒ Exception ☐

The award will also take into consideration warranty and warranty provisions of the proposed vehicle. The bid shall state the type of warranty that the manufacturer will provide, with copies of warranty coverage and omissions enclosed with these specifications. Warranties will at minimum provide a thirty six (36) months and 36,000 mile warrant on the entire vehicle which covers defective parts and or components of its manufacture. Warranty shall include any and all costs for labor and parts or materials that are required to correct any and all deficiencies. It is not the intent of this requirement that routine preventative maintenance items such as light bulbs, filters, tires, brake linings, windshield wiper blades, etc. be covered.

# Santaquin Fire & EMS

## Brush Truck Specifications

Under this warranty, the apparatus manufacturer shall be responsible for the costs of repairs to the apparatus that have been caused by defective workmanship or materials during this period. This warranty shall not apply to the following:

- Any component parts or trade accessories such as chassis, engines, tires, pumps, valves, signaling devices, batteries, electric lights, bulbs, alternators, and all other installed equipment and accessories, in as much as they are usually warranted separately by their respective manufacturers, or are subject to normal wear and tear.
- Failures resulting from the apparatus being operated in a manner or for a purpose not recommended by the apparatus manufacturer.
- Loss of time or use of the apparatus, inconvenience or other incidental expenses.
- Any apparatus which has been repaired or altered outside of the apparatus manufacturer's factory in any way that affects its stability, or which has been subject to misuse, negligence, or accident.

**a. THREE YEAR CHASSIS WARRANTY**

**Comply** ☒ **Exception** ☐

The manufacturer of the chassis shall warranty the chassis for a period of at least Three Years. As an apparatus may be integrally married to the chassis and this is an emergency vehicle, the government reserves the right at its discretion to call upon apparatus warranty first to determine whether the issue is a chassis or an apparatus problem at no charge.

**b. THREE YEAR APPARATUS WARRANTY**

**Comply** ☒ **Exception** ☐

All materials and workmanship herein specified, including all equipment furnished, shall have a warranty for a period of three (3) years after the acceptance date of the apparatus, unless otherwise noted, with the exception of any normal maintenance services or adjustments which shall be required. A copy of the warranty shall be submitted with the Bidder's proposal.

**c. WATER TANK WARRANTY**

**Comply** ☒ **Exception** ☐

The polypropylene water tank that is specified to be supplied with this apparatus shall have a warranty by the water tank manufacturer for a "lifetime" period from the date that the apparatus is put into service. The manufacturer shall repair, at no cost to the purchaser, any problems caused by defective materials and/or workmanship. The warranty shall cover the reasonable costs of removing the water tank from the apparatus and reinstalling it after the completion of the covered warranty repairs, but shall not cover any liability for the loss of service or downtime costs of the apparatus. A sample of warranty shall be submitted with the Bidder's proposal.

**d. ALUMINUM BODY PRODUCTS**

**Comply** ☒ **Exception** ☐

The aluminum body that is specified to be supplied with this apparatus shall have a warranty by the manufacturer for a "lifetime" period from the date that the apparatus is put into service. The manufacturer shall repair, at no cost to the purchaser, any problems caused by defective materials and/or workmanship. The warranty shall cover the reasonable costs of removing any body component from the apparatus and reinstalling it after the completion of the covered warranty repairs, but shall not cover any liability for the loss of service or downtime costs of the apparatus. A sample of warranty shall be submitted with the Bidder's proposal.

**e. EMERGENCY LIGHTING PRODUCTS**

**Comply** ☒ **Exception** ☐

The emergency lighting products that is specified to be supplied with this apparatus shall have a warranty by the manufacturer for a period of at least five years from the date that the apparatus is put into service. The manufacturer shall repair, at no cost to the purchaser, any problems caused by defective materials and/or workmanship. The warranty shall cover the reasonable costs of removing any emergency lighting component from the apparatus and reinstalling it after the completion of the covered warranty repairs, but shall not cover any liability for the loss of service or downtime costs of the apparatus. A sample of warranty shall be submitted with the Bidder's proposal.

# Santaquin Fire & EMS

## Brush Truck Specifications

### 5. WARRANTY SERVICE RESPONSE

Comply ☒ Exception ☐

The successful Bidder must have a factory authorized service center staffed with certified emergency vehicle technicians available twenty-four hours a day seven days a week to respond to verbal or written notification that warranty service work is required. Vendor shall be willing to provide follow-up service including replacement parts for repairs, etc. as may be needed by this service to maintain the vehicle after it is put into operation. Bidders shall provide the location and service capabilities and contact information for the apparatus manufacturer's authorized service facility and parts depot nearest to **Santaquin, UT**. Facility must be within 70 miles for emergency response.

#### WARRANTY SERVICE CENTER

Name Superior Equipment Phone 801-566-1261  
Address 7285 South 700 W 24-7 Phone \_\_\_\_\_  
City Midvale, UT Fax 801-565-0671  
Contact \_\_\_\_\_ Email \_\_\_\_\_  
Service Capabilities Garage, Service bays, Full Service

### 6. DELIVERY & TRAINING

Comply ☒ Exception ☐

Person or persons delivering the unit must be a licensed representative of the firm bidding and must be a certified service technician of the represented dealership. They must be willing to give orientation and training on the vehicle to this service and be willing to spend up to 8-hours in the area and/or per vehicle if necessary. Vendors whose bids fail to comply with the requirements in these specifications will be rejected.

### 7. OTHER BID DOCUMENTATION

#### a. CALCULATED TILT TEST

Comply ☒ Exception ☐

The apparatus shall have a calculated tilt test to 30° minimum tested at the estimated in-service weight in accordance with NFPA 1906 submitted with this bid.

#### b. COMPLETE ELECTRICAL DIAGRAMS

Comply ☐ Exception ☒

The apparatus shall have a completed electrical diagram in compliance with NFPA 1906 specifications submitted with this bid.

#### c. COMPLETED DRAWINGS

Comply ☒ Exception ☐

The apparatus shall have A size drawings in compliance with NFPA 1906 specifications submitted with this bid.

## II. STATEMENT OF WORK

### 1. GENERAL

Comply ☒ Exception ☐

The utility body described in this specification shall be mounted on Government furnished cab and chassis. Government furnished cab and chassis shall be picked up by the apparatus manufacturer at designated locations. The apparatus manufacturer shall be liable for all loss and damage to Government furnished cab and chassis until completion and final acceptance of work and returned to the Government.

The completed apparatus described in this specification shall be compliant with the requirements of NFPA 1906, latest edition, except where noted.

It will be delivered w/truck @ delivery.

# Santaquin Fire & EMS

## Brush Truck Specifications

### 2. SCOPE OF WORK

Comply ☒

Exception ☐

The Contractor shall provide and install apparatus platform fire body on Government furnished chassis per GFD specifications for Brush Truck Fire Apparatus. The Government shall deliver the chassis to the Contractor's place of business and pick up the completed units upon final acceptance inspection. Government shall provide agency door shield and numbers. The Contractor shall provide all other material for striping, markings and designators. The Government will perform in-progress inspections at the Contractor's facility to verify timely progress of equipment installation. The extent of the in-progress inspections will be at the discretion of the Government and will not constitute acceptance. Inspection is for the convenience of the Government; the contractor is responsible for inspection and quality control.

Best value will also be a consideration with placement of order; selection of firm(s) and award will be based on best value, price, past performance, and other factors considered. The contractor shall warrant and guarantee all work performed (labor and materials provided by the contractor) for a minimum of three years.

### III. CHASSIS

Government supplied – Specifications listed are for apparatus configuration.

- The specifications may change without notice.
- Dodge D-5500 chassis, 4 x 4, Diesel engine, Automatic transmission, 60" CA (Cab to Rear Axle), Crew Cab.
- Contractor to receive chassis and deliver completed unit FOB Santaquin, UT.

### IV. CHASSIS ADDITIONAL EQUIPMENT AND MODIFICATIONS

#### 1. CHASSIS ADDITIONS AND MODIFICATIONS

Comply ☒

Exception ☐

The following additional equipment shall be installed on, and modifications performed to, the specified cab and chassis by the apparatus manufacturer:

#### 2. CHASSIS ELECTRICAL

Comply ☒

Exception ☐

The apparatus chassis shall be equipped with a heavy-duty 12 volt direct current (VDC) negative ground electrical system. The electrical system shall include all parts, components, switches, relays, wiring, and other devices required to assure complete, consistent and proper operation of the completed apparatus.

Wiring shall be routed and/or protected to eliminate exposure to moving parts or debris. All lights required are to comply with DOT and NFPA Codes for vehicles of this size and design shall be provided and installed. If required, these lights shall include headlamps and front turn signals with hazard switch, cab marker and clearance/license lights, back up lights and stop-turn-tail lights.

All switches for the warning lights and other electrical equipment shall be mounted on a separate switch panel located in the cab on a master electrical console mounted between the two front seats. The switches shall be functionally laid out, properly identified, and shall be located within easy reach of both the driver and the officer. The warning light system shall have a "master" switch, which shall allow for the pre-selection of all warning lights. All switches shall be of a heavy duty design.

The following additional electrical equipment shall be installed on, and modifications performed to, the specified cab and chassis by the apparatus builder:

#### a. BATTERY MASTER SWITCH

Comply ☒

Exception ☐

One (1) On-Off Battery Switch with red knob shall be provided in the cab. The switch shall be a Blue Sea brand, Model #6006 switch plate "Off/On" label, or equivalent. The switch shall be rated for 300 amps continuous duty and 500 amps intermittent duty. The switch shall be located on the floorboard to the left side of the driver's seat and placed as far aft as possible to prevent accidental actuation.

# Santaquin Fire & EMS

## Brush Truck Specifications

- b. BATTERY ON INDICATOR LIGHT** **Comply** ☒ **Exception** ☐  
One (1) "Battery On" indicator light, with a green lens, shall be provided on the center console, located forward on the left side. This light shall illuminate when the battery switch is turned to the "ON" position.
- c. JUNCTION BOXES** **Comply** ☒ **Exception** ☐  
Twin electrical fuse boxes, (Battery and Ignition) for all apparatus modules, connections, relays, circuit breakers, etc. shall be located in the console between the driver and passenger seats. All connection points shall be labeled according to function. A full electrical wiring diagram shall be supplied at time of bid.
- d. LED DRIVING LIGHTS** **Comply** ☒ **Exception** ☐  
Two (2) LED driving lights shall be installed in the mounting area provided in the face of the bumper. The lights shall each be 32 Watts and operate with the smart siren controller.
- e. BACK UP ALARM** **Comply** ☒ **Exception** ☐  
One (1) solid state back up alarm shall be provided at the rear of the apparatus protected from impact and debris. The backup alarm shall be wired to the reverse circuit of the transmission, and shall provide an audible alarm to the rear of the apparatus when reverse gear is selected. The alarm shall have a volume of 87 to 112 DBA while in operation.
- f. CHASSIS PERIMETER LIGHTING** **Comply** ☒ **Exception** ☐  
One (1) E-10 Tecnique clear LED lights shall be provided under the Chassis bumper. The light shall be housed within an enclosure sufficient to protect from damage. The perimeter lighting shall be activated by switch on the cab console.
- g. KUSSMAUL 1200** **Comply** ☒ **Exception** ☐  
An Auto Charge 1200 or equal is a compact, completely automatic, single channel battery charger designed for vehicles with a single battery system. The charger is ruggedized to withstand the shock and vibration encountered by vehicle mounted equipment. The unit shall be installed behind rear bucket seat on driver's side which makes it closest to the battery and the auto-eject plug.
- 3. EMERGENCY EQUIPMENT**
- a. ANTENNA** **Comply** ☒ **Exception** ☐  
Two (2) antenna bases shall be supplied by the department and mounted on the Rear Cab Protection as specified on page 11. The antenna cable shall be routed to the cab interior, terminating at location of radio mounting bracket in the console.
- b. PRE-WIRE AND INSTALL EMERGENCY RADIOS** **Comply** ☒ **Exception** ☐  
The chassis cab interior shall be wired with battery power; battery ground, switched power, and radio rebroadcast wires to the siren or PA, and labeled to simplify JHF radio installation. The radio(s) shall occupy the second and third forward, angled position in the cab center console.
- c. TRAFFIC WARNING SYSTEMS** **Comply** ☒ **Exception** ☐  
The following traffic warning systems shall be provided and installed on the completed apparatus by the apparatus builder:
- d. SIREN AMPLIFIER** **Comply** ☒ **Exception** ☐  
One (1) SS-2000 Federal Signal brand, 100 Watt, or equivalent, full function, programmable siren amplifier with microphone shall be provided. The control head shall be mounted in the center console.
- e. SIREN SPEAKER** **Comply** ☒ **Exception** ☐  
One (1) Federal Signal brand, Model AS124, or equivalent, 100 watt siren speaker shall be provided and installed in a protected forward facing location. The wiring for the speaker shall be routed to the amplifier.

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### h. FORWARD LOWER ZONE A WARNING LIGHTS

Comply ☒

Exception ☐

Four (4) Federal Signal brand, MicroPulse Wide Angle Light, or equivalent, red/white LED flashers, with mounting flanges, shall be provided on the front of the apparatus, forward facing, two (2) per side, in the brush guard. The lights shall be wired to a switch located on the cab center console.

### i. FORWARD LOWER ZONE B/D WARNING LIGHTS

Comply ☒

Exception ☐

Two (2) Federal Signal brand, MicroPulse Wide Angle Light, or equivalent, red/white LED flashers, with mounting flanges, shall be provided over the front wheel well of the apparatus chassis, side facing, one (1) per side, for use as "forward intersection" lights. The lights shall be wired to a switch located on the cab center console.

### ➤ NOTE – BALANCE OF EMERGENCY LIGHTING ON PAGE 14

## 4. LABELS

Position of the following labels shall be loose until determination of final inspection.

### a. APPARATUS FLUID TYPES AND QUANTITIES

Comply ☒

Exception ☐

A permanently-mounted label, showing the recommended fluid types and quantities for the apparatus chassis and associated components, shall be provided in the apparatus cab interior near the driver's seating position. This label shall list the recommended fluid types and quantities for maintenance of the complete apparatus of chassis and the water pump.

### b. SEATING CAPACITY

Comply ☒

Exception ☐

The completed apparatus shall be designed to have a fully enclosed seat with an approved seat belt for each occupant. The term "fully enclosed" shall mean four sides, a top and a bottom, with an appropriate door for easy entrance to and exit from the seating position. This apparatus shall have a seating capacity of two (2) personnel in front, and three (3) personnel in the rear for a total seating capacity of five (5). A warning label, listing the seating capacity of the completed apparatus, shall be provided in the apparatus cab interior. This label shall be located so that it is visible from all seating positions.

### c. SEAT BELT WARNING

Comply ☒

Exception ☐

A warning label, stating: "DANGER- Personnel Must Be Seated And Seat Belts Must Be Fastened While Vehicle Is In Motion Or DEATH OR SERIOUS INJURY MAY RESULT," shall be provided in the apparatus cab interior. This label shall be located so that it is visible from all seating positions.

### d. VEHICLE HEIGHT WARNING

Comply ☒

Exception ☐

A warning label, listing the overall height, length and GVWR of the completed apparatus, shall be provided in the apparatus cab interior. This label shall be located so that it is visible from the driver's seating position.

### e. FSVMC Label

Comply ☒

Exception ☐

A Final Stage Manufacturer vehicle certification label shall be provided and installed in the apparatus cab driver's door jamb.

### f. NOISE HAZARD WARNING

Comply ☒

Exception ☐

A warning label, stating: "WARNING: Noise Hazards Occur During Siren Operation," shall be provided and installed in the apparatus cab interior. This label shall be located so that it is visible from all seating positions.

### g. AIR FILTER EMBER PROTECTION SCREEN WARNING

Comply ☒

Exception ☐

A warning label, stating: "This apparatus is equipped with an air filter ember protection screen; routine inspection is required," shall be provided and installed in the apparatus cab interior. This label shall be located so that it is visible from the driver's seating position.

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### 5. **CONSOLE SECTION**

#### a. **SEATING**

Comply ☒ Exception ☐

The center portion of the 40/20/40 split bench seat shall be removed to accommodate the installation of the console.

#### b. **CAB CONSOLE**

Comply ☒ Exception ☐

The cab shall be equipped with an angled, form-fitted control console located between the front driver's and officer's seats with arm rests. This console shall be sized to accommodate the installation of a switch panel for the control of the emergency and general illumination lighting, siren controller, and customer-mounted radios. The console shall contain the following controls and switches:

- One (1) 12V indicator and 2 position 12v power points
- One (1) SS-2000 Federal Signal brand, or equivalent, 100 Watt electronic siren controller
- Two (2) bracket and pre-wiring for customer-mounted radios
- One (1) 2 position 12V power outlet and 2 position USB
- One (1) 2 position cup holder
- Three (3) mic mag clip brackets
- One (1) pocket storage compartment

### 6. **MISCELLANEOUS**

#### a. **HOSE AND HARNESS PROTECTION**

Comply ☒ Exception ☐

If applicable, any fuel lines or electrical harnesses below the chassis frame rails shall be protected with a fire proof sleeve designed specifically for such purpose.

#### b. **UNDER CHASSIS SHIELDING**

Comply ☒ Exception ☐

The chassis shall be equipped with expanded aluminum lower radiator shielding (if applicable) and a solid plate guard mounted on the aft of the front bumper. This shield and guard shall be designed to prevent entry of sticks and other small debris which may pose a hazard to the cooling system.

#### c. **CHASSIS AIR INTAKE EMBER GUARD**

Comply ☒ Exception ☐

The chassis air intake shall be protected by an ember guard of 18 Mesh, 0.017 inch wire diameter, and a maximum mesh opening of 0.039 inches. The ember guard shall be sized to fit and located at the intake opening. The screen shall be readily accessible for inspection and maintenance.

#### d. **CABIN AIR EMBER GUARD**

Comply ☒ Exception ☐

The cabin air filter shall be protected by an ember guard with a maximum mesh opening of 0.039 inches. The screen shall be located at the point of intake and easily accessible for inspection and maintenance.

#### e. **FRONT BUMPER AND BRUSH GUARD**

Comply ☒ Exception ☐

A heavy duty black powder coated finish bumper with brush guard assembly shall be provided with installation on the front of the apparatus. The complete assembly shall follow the chassis body lines and encompass the perimeter of the chassis front. The complete assembly shall be of such design that the guard will not vibrate, and shall provide solid mounting area for warning lights, speakers, or other specified equipment.

- **MATERIAL** - Full strength bumpers are 1/4" steel in the primary impact zone and winch center and 3/16" steel under the headlights. Very difficult to dent in animal strikes, very resilient in other collisions. As a comparison, 10 Gauge steel is roughly 1/8" thick, 8 Gauge 5/32".
- **WEIGHT** - Front Bumper and Grill Guard - 240 lbs. over stock plus or minus 10%.
- **REMOVABLE GRILL GUARD** - Serviceability. In cases where you need to service your radiator or grill, simply take off the grill guard - no need to un-wire the winch and lights and remove the entire bumper. Also, in the event of an extreme accident, the Grill Guard can be replaced without having to be cut off, re-welded, and re-painted.

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- **WINCH ACCESS DOOR** - Keep your winch out of the weather. Top access door latches, protects the winch, and gives a clean look to the truck. When using the winch, remove the Access Door for an ample 2-foot opening to get at winch controls and cable spool.
- **WINCH READY** - Built-in mounting is provided for all standard 4½" x 10" bolt pattern winches - face or floor mount. This covers almost all automotive winches.
- **RUST PREVENTION** - The best you can buy - sandblast and two-coat powder and are powder coated with an industrial strength, baked-on finish. All critical seams are welded, inside and out.
- **TOW HOOKS** - Bumper will have OEM "J" type tow hooks or re-located factory tow hooks. These hooks will be easy to work with having plenty of clearance for attaching on a chain or tow strap and 180 degrees of pulling angle.
- **TRAILER RECEIVER** - Standard to use on carrier style winches, backing trailers into tight spots, negotiating that small boat down the ramp with your huge camper or van, attaching a flatbed trailer and using your winch to pull up the load, steps, push bars, tire carriers, etc.

### f. **WINCH**

**Comply** ☒ **Exception** ☐

DV-18 or equal. The winch needs the highest capacity and most technologically advanced features for Class 5 truck. It needs to be perfect for getting in and out of remote spots and being able to hold up to the weight of the truck. The winch shall feature compact size, light-weight, extreme low profile and spec. leading 18,000 lbs. pulling make it the optimal winch to fit in the limited space. The unit comes with a hardened steel, 3-stage planetary gear train for efficient and reliable operation, water-proof remote control with thermometric LED indicator alerts when the motor is over-heated and a patented mechanical cone brake holds the full load without slipping. It also will meet international standards such as SAE J706, CE Machinery Directive 2006/42/EC, and REMSA.

## V. **APPARATUS PLATFORM BODY DESCRIPTION**

### 1. **PLATFORM BODY**

**Comply** ☒ **Exception** ☐

All materials, parts and assemblies shall be new and of current manufacture. Workmanship, fabrication, assembly, and finished appearance shall be of the highest quality and in conformance with standard manufacturing practices. Examples of poor workmanship that will, not be accepted are grinding marks or gouges on the outer rail, floors that are not flush with the outer rail, joints that are not flush or square, unfilled joints, and warped or uneven floors.

Platform shall be of marine grade T6 aluminum alloy construction and totally welded construction. Structural connections to the frame shall be made by welding or minimum Grade 8 bolts and self-locking nuts. There shall be no drilling, grinding, or welding on chassis frame flanges ahead of the rear most spring hanger. The understructure shall have no lips or pockets that will trap water and mud.

### 2. **WELDING**

**Comply** ☒ **Exception** ☐

Welds shall meet American Welding Society Standards (AWS). Welds on the top and outer sides of the body and miscellaneous equipment shall be ground flush.

### 3. **INSTALLATION**

**Comply** ☒ **Exception** ☐

The body(s) shall be mounted in compliance with FMVSS 301-75 standards. Body(s) shall be mounted as low as possible without limiting tire clearance or restricting the ability to fuel the truck. The minimum distance from the top of the tire to the bottom of the floor shall be equal to the maximum suspension travel plus 2 inches. Maximum suspension travel is the distance between the axle and the rubber bumper that limits suspension travel plus 1 inch.

### 4. **PLATFORM MOUNTING**

**Comply** ☒ **Exception** ☐

#### a. **RUBBER RAIL CUSHION**

Rail cushion shall 1" x 4" x 111" with a 65 durometer hardness rating. Attached cushion to the frame with 12 counter sunk bolts 2.5"x3/8NC, washers and nylocks.

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### b. SPRINGER MOUNT SYSTEM

Comply ☒ Exception ☐

A four position (2 springs each) body mounting system shall be used to mount the platform to the chassis. This system shall be designed to allow independent movement between the platform frame and the chassis frame protecting the module from the stresses and twisting rendered by the flexing of the chassis frame. The 2 spring top modules will be attached to the platform long sill with an electrolysis/corrosion barrier.

The springs shall be collapse rated at 1250 lbs. and two inches of collapse travel. All of the mounting hardware (nuts, bolts, washers) required for complete body installation shall be Grade 8. All nuts shall be self-locking style. All mounting components shall be painted black.

## 5. PLATFORM

### a. DIMENSIONS

Comply ☒ Exception ☐

- Length for platform shall be 111 inches.
- Width for platform shall be 96.
- Bodies shall be flat plus or minus 1/8 inch over their entire length or width.
- Bodies shall be square with 1/8 inch or less offset from the opposite parallel side.

### b. LONG SILLS

Comply ☒ Exception ☐

Two Long Sills (LS) shall run full length in alignment with and perpendicular to the chassis frame rails. Long Sills on bodies shall be rectangular c-channel aluminum alloy 4 inches tall X 2 inches wide minimum .250 inch wall thickness material.

### c. CROSS SILL MEMBERS

Comply ☒ Exception ☐

Cross Sill Members (CSM) on bodies shall be rectangular C-channel aluminum alloy 4 inches tall X 1.5 inches wide minimum .180 inch wall thickness material. Cross Sill Members shall be located on maximum 12-inch centers. CSM to LS welds shall be at least 100% of the length of the contact edges on two opposing sides of the LS. CSM to outer rail welds shall be 100% of the length of both vertical sides of the CSM.

### d. OUTER RAIL

Comply ☒ Exception ☐

The outer rail shall be rectangular C-channel aluminum alloy 6 inches tall X 1.9 inches wide minimum .200 inch wall thickness material. The outer rail shall form the complete bed perimeter without any open or offset seams. The outer rail shall consist of square rear corners.

### e. PLATFORM DECK

Comply ☒ Exception ☐

Decking on the platform shall be .125 inch marine grade aluminum diamond plate. Decking shall be interior perimeter welded to the outer rail, and 6-12" intermittently along the cross sills.

### f. TAILBOARD

Comply ☒ Exception ☐

The tailboard shall consist of a framed tail apron integral in design with the platform. The apron frame shall be rectangular C-channel aluminum alloy 3 inches tall X 1.4 inches wide minimum .170 inch wall thickness material. The interior flat surface of the apron shall consist of 1/8" aluminum diamond plate with the smooth surface to the inside. The tailboard shall finish with the outside edge of the apron frame even with the corners of the platform.

The apron shall house all referenced lighting, steps, and draft tube storage. The apron shall be sufficient in design to grant a departure angle of 24 degrees. The completed tailboard assembly shall meet all other requirements of NFPA 1906 for angle of departure.

### g. FUEL TANK FILLER

Comply ☒ Exception ☐

The rear fuel filler-neck bezel shall be incorporated into the bed channel outer rail unless using an OEM standalone system. Fuel cap shall not protrude past outer rail. The fuel tank filler shall be mounted in accordance with FMVSS 301. The fuel filler hose shall not touch any rough or sharp surfaces, and have no kinks or restrictions. Hose shall be supported on no more than 16-inch centers, have at least 6 inches clearance from the rear tire with any amount of suspension travel, and if closer than 12 inches to the tires, have a shield to protect it from objects that may be thrown from the tires. Secondary tank fill options will be discussed at prebuild.

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### h. DRAFT LINE STORAGE

Comply ☒ Exception ☐

Draft hose storage shall be mounted under the platform, between the frame rails of the truck. The draft hose box shall be a minimum of 4 inches tall, 24 inches wide and 100 inches deep. The opening is covered with a drop hinged, slam shut, Stainless Steel door with push button latches.

### 6. REAR CAB PROTECTION (RCP)

Comply ☒ Exception ☐

One (1) headboard (RCP) shall be fabricated and installed at the forward end of the apparatus body, directly behind the cab. The RCP frame perimeter shall be rectangular C-channel aluminum alloy 4 inches tall X 1.5 inches wide minimum .180 inch wall thickness material. The material will be tapered in a similar fashion to the shape of the chassis cab.

One horizontal cross-member located at approximately 1/3 the height with 1 1/8" Aluminum diamond tread plate shall be perimeter welded with the tread plate surface forward to the rearward side of the framework on the lower segment. The upper segment shall show a protective framework of 1" x 1" tubing effectively safeguarding the rear window of the chassis cab.

The unit shall be attached by a welded rearward gusset and to the lower frame itself by grade 5 bolts. The unit also has twin light bar perches on the top of the bar for easy mounting of emergency light products.

### 7. COMPARTMENTATION

Comply ☒ Exception ☐

All storage compartment walls shall be constructed from .125 inch aluminum diamond plate. All internal frame work shall be constructed of .125 inch formed aluminum structural members. All compartment interiors shall be free of exposed electrical harnesses or plumbing components. All compartments shall be as large as possible, as determined by the design of the apparatus. Compartment configuration and approximate sizes required are listed below:

#### a. DRIVER'S SIDE FRONT COMPARTMENTS

Comply ☒ Exception ☐

The driver's side front box on the apparatus body shall have approximate dimensions of 72" L X 30" H x 18" D containing two (2) compartments with vertical hinged doors. The driver's side front section box on the apparatus body shall have approximate dimensions of 24" L X 30" H x 18" D with a single horizontal hinged door. The driver's side rear section box on the apparatus body shall have approximate dimensions of 48" L X 30" H x 18" D with double horizontal hinged doors.

#### b. PASSENGER'S SIDE FRONT COMPARTMENT

Comply ☒ Exception ☐

The passenger's side front box on the apparatus body shall have approximate dimensions of 72" L X 30" H x 18" D containing two (2) compartments with vertical hinged doors. The passenger's side front section box on the apparatus body shall have approximate dimensions of 24" L X 30" H x 18" D with a single horizontal hinged door. The passenger's side rear section box on the apparatus body shall have approximate dimensions of 48" L X 30" H x 18" D with double horizontal hinged doors.

#### c. REAR TOP OF DECK STORAGE BOX

Comply ☒ Exception ☐

Driver's side below hose reel drawer box, rear on top of the apparatus platform. The box has dimensions of 36" W x 20" H x 18" D and contains one (1) compartment with drop down horizontal hinged door with a D-Ring latch. This box will be upfitted to contain an engine protection line.

Passenger's side below hose reel drawer box, rear on top of the apparatus platform. The box has dimensions of 36" W x 20" H x 18" D and contains one (1) compartment with drop down horizontal hinged door with a D-Ring latch. This vented box will be upfitted to be the "chain saw" compartment. It will have a bolt on external sheath for the chain saw blade which will protrude behind the pump motor.

#### d. TOP OF APPARATUS STORAGE BOX

Comply ☒ Exception ☐

The top of apparatus cross box is located next to cab protection spanning across the top of the driver and passengers' front compartments. The box has dimensions of 36" W x 14" H x 96" D and is one (1) compartment with two (2) flip up horizontal hinged doors on either side with a D-Ring latch. This box will accommodate long tools.

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### e. LOWER BOXES

Comply ☒ Exception ☐

Driver's side drawer lower box, front on the apparatus body shall be attached to the underside of the body from its top, forward of the rear wheels. The box has dimensions of 36" W x 12" H x 18" D and contains one (1) compartment with drop down horizontal hinged door. These are Independent from the body shall grant compartment space mounted on the left side of the apparatus body.

The passenger's side drawer lower box, front on the apparatus body shall be attached to the underside of the body from its top, forward of the rear wheels. The box has dimensions of 36" W x 12" H x 18" D and contains one (1) compartment with drop down horizontal hinged door. These are Independent from the body shall grant compartment space mounted on the left side of the apparatus body.

### f. COMPARTMENT DOORS

Comply ☒ Exception ☐

All compartment doors shall be integral in design and recessed into the box (compartment body) sides, sized to provide easy access to all interior areas of the compartment. All doors shall be consistent in fit and finish with the compartment unit. All doors shall be weatherproof and maintain contact with all points of the weather stripping. Weather stripping shall be bulb type, attached to the opening flange of the compartment opening. The doors will have a cross style break in each door for strength.

### g. DOOR LATCHES AND HARDWARE

Comply ☒ Exception ☐

Unless where noted, all compartment door latch assemblies shall be installed with threaded fasteners, shall not be welded, and shall be easily removable for servicing or replacement. All door latch assemblies shall be of a flush-mount, "D-Handle" design, with all external components fabricated from polished stainless steel. All latches shall be of a two position twist latch type design latching operation.

All hardware shall be corrosion resistant and suitable for its intended use. All nuts and bolts shall be stainless steel. Stainless steel nuts shall be the self-locking type. All latch assemblies shall be keyed alike to 1250. Ten spare keys shall be provided.

### h. DOOR HOLD OPEN DEVICES

Comply ☒ Exception ☐

All vertically-hinged, outward-opening compartment doors shall be provided with an over center door check to hold the door in the desired position. The door check is spring type that when door latch is released the door "springs" to an open position. To release, the spring is moved from the straight position and it folds into the "ready" to open position. It shall be attached to the top of the door and fastened to a plate bolted into the door. All vertically-hinged, outward opening compartment doors shall be capable of being closed with one hand, allowing a free hand to hold equipment or supplies.

All horizontally-hinged, drop-down, outward-opening compartment doors shall open flat to the surface below. All horizontally-hinged, overhead lift-up, outward opening compartment doors shall be provided with two (2) extending, gas cylinder type hold open devices, one (1) mounted vertically on each side of the compartment door opening. The pressure rating of the gas cylinders shall be carefully matched to the size and weight of the compartment door, and shall hold the compartment door securely open to a greater than 90° angle without additional support. The gas cylinder hold openers shall dampen the upward movement of the compartment door while opening and will permit closing of the box door without need to release any type of manual locking devices.

### i. ADJUSTABLE SHELF CHANNELS

Comply ☒ Exception ☐

Vertically-mounted aluminum (punched finger style) slim-line shelf system shall be provided and welded to the side wall of all enclosed top compartments. This is for the current or future installation of adjustable shelving, slide out trays or equipment brackets.

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### j. COMPARTMENT SHELVES

Comply ☒ Exception ☐

Four (4) adjustable shelves shall be provided and installed in the completed top body compartments. The shelving system shall be mounted on a punched finger style) slim-line track to allow the change of elevation. The shelves shall be 17.5" in depth, width of the box with 2" peripheral lip constructed of aluminum and be capable of supporting 250 lbs. of live load without being damaged or permanently distorted.

The shelf locations shall be as follows:

- Two (2) in the driver's side top front compartment box front section.
- Two (2) in the driver's side top front compartment box rear section.
- Two (2) in the passenger's side top front compartment box front section.
- Two (2) in the passenger's side top front compartment box rear section.

### k. TOP OF BOX BASKETS

Comply ☒ Exception ☐

Two (2) storage cages shall be provided and installed above the top storage compartments with approximate dimensions of 36" L X 8" H X 18" D. The storage cage shall be constructed of 1/8 inch aluminum with a punched open mesh material as to allow free air flow from all sides, double folded top 1" section for strength and a solid bottom. The outward facing sides shall be smooth (un-punched) 6" from the bottom allowing for a 6" face to install department graphics. It shall be open at the top. They will be mounted by rubber cushion leaving a .125 gap underneath and stainless bolts with nylocks.

## 8. BODY ELECTRICAL REQUIREMENTS

### j. WIRING SPECIFICATIONS

Comply ☒ Exception ☐

All apparatus body electrical components shall be served by independent circuits which shall be separate and distinct from the apparatus cab and chassis electrical circuits. All wiring supplied and installed by the apparatus manufacturer shall be installed in flexible split convoluted loom and shall be color coded and function labeled at 6" intervals per NFPA standards. All wiring supplied and installed from the apparatus manufacturer by an EVT certified technician shall be grease, oil and moisture resistant; and shall be securely fastened with insulated metal clamps and nylon wire ties. Solderless insulated connectors shall be utilized at all splice joints and shall be enclosed with heat shrink tubing for extra corrosion protection. Automatic reset type circuit breakers shall be provided wherever possible. The following electrical components shall be provided and installed on the completed apparatus by the apparatus builder:

### k. LIGHTING SPECIFICATIONS

Comply ☒ Exception ☐

All Lighting shall meet Federal Motor Vehicle Safety Standards. It is acceptable to utilize the existing light fixtures furnished with the cab and chassis. Clearance and identification lights shall be easily changed rubber-mounted, shock proof LED and meet FMVSS 108 requirements.

### l. BACK UP LIGHTS

Comply ☒ Exception ☐

A pair of Truck-lite LED Oval Sealed 24 Diode Pattern, or equivalent, clear LED back up lights shall be provided at the rear of the body, one (1) each side, above the rear step. The backup lights shall be wired so that they illuminate when the chassis is placed in reverse gear and/or when the rear flood light switch is activated in the cab.

### m. TAIL LIGHTS WITH STOP/TURN FUNCTION

Comply ☒ Exception ☐

Two pairs of Truck-lite LED Oval Sealed 24 Diode Pattern, or equivalent, red LED combination tail/brake lights shall be provided at the rear of the body, one pair on each side, above the rear step.

### n. LICENSE PLATE BRACKET AND LIGHT

Comply ☒ Exception ☐

Two (2) Truck-lite brand, 26 Series LED clear light fixture, or equivalent, with license plate mounting bracket, shall be provided at the rear of the body.

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- o. CLUSTER/CLEARANCE LIGHTS AND REFLECTORS** **Comply** ☒ **Exception** ☐  
Three (3) round ICC LED clearance lights shall be located at the rear of the apparatus above the bumper. Additional lighting clearance lights shall be provided to conform to DOT, Federal and NHTSA specifications for vehicles of 80" wide. All lighting shall be compatible with the 12V chassis electrical system. Lighting shall be located according to ICC regulations.
- p. FORWARD UPPER ZONE A/B/D LIGHT BAR** **Comply** ☒ **Exception** ☐  
One (1) Federal Signal brand, Integrity LED light bar, or equivalent, shall be provided and installed on the forward leading edge of the rear cab protection rack, facing forward. The light bar shall be 51" wide, and shall contain the following modules:
- Ten (10) front position, forward facing, red and white flashing modules with clear lens
  - Three (3) end position, sideways facing, red and white "alley" LED modules with clear lens
  - Two (2) outside rear position, red and white flashing modules with clear lens
  - Eight (8) rear position, rear facing, red and amber flashing modules with clear lens
- The light bar shall be wired to a switch located on the cab center console.
- q. AFT LOWER ZONE B/D WARNING LIGHTS** **Comply** ☒ **Exception** ☐  
Two (2) Federal Signal brand, MicroPulse Wide Angle Light, or equivalent, red/white LED flashers, with mounting flanges, shall be provided on the rear sides of the apparatus chassis, over the rear wheel, side facing, one (1) per side, for use as "rear intersection" lights. The lights shall be wired to a switch located on the cab center console.
- r. AFT LOWER ZONE C WARNING LIGHTS** **Comply** ☒ **Exception** ☐  
Two (2) Federal Signal brand, MicroPulse Wide Angle Light, or equivalent, red/white LED flashers, with mounting flanges, shall be provided on the lower rear of the apparatus, rear facing, one (1) each side. The lights shall be wired to a switch located on the cab center console.
- s. PERIMETER LIGHTING** **Comply** ☒ **Exception** ☐  
Four (4) E-10 Tecniq clear LED lights shall be provided under the apparatus body, one (1) forward and one (1) aft of the rear wheel wells, both sides of the body. The lights shall be housed within an enclosure sufficient to protect from damage. The perimeter lighting shall be activated by switch on the cab console.
- t. COMPARTMENT LIGHTS** **Comply** ☒ **Exception** ☐  
One (1) ROM brand 12" LED cargo light, or equivalent, facing with the hinge on the compartment door, shall be provided to illuminate the compartment. Lighting shall be plastic encapsulated, shock resistant, continuous LED light segments. The LED strip lights shall be attached securely at the sides and top of each compartment opening depending on placement. All compartment lights shall be switched with magnetic switching on each box illuminating on demand except for the draft line storage.
- u. KUSSMAUL AUTO-EJECT 20 AMP** **Comply** ☒ **Exception** ☐  
The Super Auto Eject or equal is a completely sealed automatic power line disconnect. This prevents contamination of the mechanism by road dirt, and ensures long reliable life even when mounted in the most severe environment. A novel internal switch arrangement closes and opens the 120 Volt AC circuit after the mating connector is inserted, and before the connector is removed. This eliminates arcing at the connector contacts, and assures long contact life. As with all Auto Ejects, the Super Auto Eject is connected to the starter circuit, so that ejection occurs when the engine is cranked. The unit is mounted in the rail of the cab protection.
- 9. OTHER APPARATUS BODY ITEMS**
- a. EXHAUST SYSTEM** **Comply** ☒ **Exception** ☐  
The exhaust system shall remain unmodified and as received from the chassis manufacturer. If the exhaust system proves to be in conflict with mounting items or departure angle, a conference between the chassis manufacturer, the apparatus builder and the department shall ensue about

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## Brush Truck Specifications

proper placement. Upon agreement, the apparatus builder shall move the exhaust system properly to its new placement at no extra charge.

**b. MUD FLAPS**

Comply ☒ Exception ☐

One (1) pair of flexible rubber mud flaps shall be provided on both sides of the apparatus body behind the rear wheels. The mud flaps shall not bear company logos. The mud flaps shall extend down far enough to be effective but shall not allow the flaps to become entangled with the rear tires when the apparatus is backing up.

**c. BUMPER – RECEIVER HITCH**

Comply ☒ Exception ☐

The completed tailboard assembly looks as it serves as the vehicle bumper but does not meet all associated requirements. Nestled under the tailboard is a receiver hitch and attached underbar that will meet bumper specifications. Underbar is integral with the lower section of the rear springer mounting system which is attached to the frame. Add holes for two D-rings.

**d. REAR STEP**

Comply ☒ Exception ☐

One (1) NFPA-compliant fold down step shall be provided and installed at the rear of the apparatus via the receiver hitch. The step shall be fabricated from heavy duty cast aluminum with spring assisted folded hinges. The top of the step shall be an integral diamond point skid resistant surface that allows water to flow off the step without ice formation in cold weather use.

**e. GRAB HANDLES**

Comply ☒ Exception ☐

Two (2) NFPA-compliant chrome-plated grab handles shall be provided and mounted at the rear; location determined by customer.

## VI. PUMP PACKAGE

The following specifications are for a complete apparatus pump firefighting unit, consisting of tank, control panel, engine, pump and plumbing that shall be permanently mounted on the platform style body. The system shall cover the rest of the platform deck space.

**1. FASTENING COMPONENTS**

Comply ☒ Exception ☐

All fasteners and adjustable plumbing brackets used shall be stainless steel or polyplastic. All tubing shall use metal fittings, rated to 500 PSI and requiring no special tools. No underside nuts or bolts shall be used. Flexible connections shall have vibration wear protection.

**2. PUMP AND PLUMBING**

Comply ☒ Exception ☐

The following pump, plumbing, controls, gauges, and accessories shall be provided as indicated below. The plumbing requirements outlined below shall be considered a minimum standard, and are preferred to be followed by the apparatus manufacturer without exception:

All plumbing components shall be fabricated from welded stainless steel with the exception of the valves, which will be brass and hose flex connections. All pump compartment components, including wiring, gauges, pump panel rear surfaces, high pressure hoses, and small diameter tubing, shall be left unpainted for rapid identification and ease of repair.

**3. PUMP UNIT**

**a. PUMP MOTOR**

Comply ☒ Exception ☐

The engine shall be a 4-cycle Kubota D902-E4B-KEA-2, with overhead cam, water cooled design. Engine rating shall be Horsepower of 25hp @ 3600rpm and shall be designed to meet current CARB (California Air Resources Board) and EPA (Environmental Protection Agency) Tier 4 standards. A 12-volt electric system shall be provided with electric starter and a 45 amp alternator. Engine shall be equipped with a muffler with USDA approved spark arrestor. The pump/engine shall be isolation mounted onto a steel base.

**b. PUMP**

Comply ☒ Exception ☐

The pump shall be a 4-stage centrifugal pump with the pump body, diffusers, and impellers made of anodized corrosive resistance aluminum. The impeller must be aluminum to match the

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pump body and diffusers in order to prevent galvanic corrosion from taking place between pump components. The impellers shall be 4.00 inches in diameter.

The pump shaft shall be stainless steel supported by two maintenance free bearings and shall not be co-linear to the engine's drive shaft. A sealed roller bearing shall be located externally from the pump and a sintered bronze bushing shall be located within the pump cover. Both bearings must be maintenance free. In addition, the pump seal shall be a mechanical rotary seal, shall be externally pressurized and shall incorporate a blister-resistant carbon seal face, silicon carbide seat, and fully integrated drive bushing.

The pump shall be coupled to a belt driven speed increaser with a quick release clamp capable of being removed by hand and without any additional tools. The quick release clamp system shall allow for the entire pump assembly, pump body with all its internal and external components, to be removable and capable of being service at a location away from the diesel engine and fire apparatus upon which it was part of. It shall also allow for the swapping out of the same or different performance pump assemblies within a minute's time.

The horizontal belt driven speed increaser shall be a low maintenance timing belt and pulley system. The belt shall be a high quality timing belt and the drive pulley shall mount directly on the engine drive shaft through a means of a keyed tapered locking device. The increaser shall be a 1 to 1.88 ratio. In addition, a dampening device shall be provided between the pump shaft and pump shaft pulley. Both the pump and horizontal speed increaser shall be painted red.

### c. PUMP PRIMING

Comply ☒ Exception ☐

One (1) positive displacement, oil-less, electric motor-driven piston priming pump, conforming to the NFPA requirements, shall be provided and installed on the cross member just aft of the cab body. The primer pump body shall be fabricated from heat-treated anodized aluminum for wear and corrosion resistance.

The primer pump electric motor shall be of a 12 VDC totally enclosed design. The priming pump shall not require lubrication from an external source. The priming pump shall be operated by a single push control valve mounted on the pump operator's panel. The control valve shall be of all brass construction.

### d. PUMP SUCTION/DISCHARGE

Comply ☒ Exception ☐

The suction and discharge ports shall be pipe thread, designed and located to accept applicable hose thread adapters. Standard unit supplied with 2½" female NH thread pump intake and 1½" male NH thread discharge.

### e. PUMP PERFORMANCE

Comply ☒ Exception ☐

The pump/engine shall perform to the standards of ISO Class 9. Typical pump performance from 5 foot draft thru 10 feet of suction hose at sea level shall be: 106 GPM (401 lpm) @ 150 PSI (10.3 BAR), 103 GPM (390 lpm) @ 250 PSI (17.2 BAR), 65 GPM (246 lpm) @ 350 PSI (24.1 BAR). The pump shall provide a maximum pressure of 395 PSI and a maximum flow of 106 GPM. The pump will be tested at the factory before shipment under the following conditions:

- (1) An elevation of not more than 2000 ft. above sea level
- (2) Through a single intake with 20 ft. of 3" suction hose equipped with a suction hose strainer
- (3) With a lift of 5 ft.
- (4) At 29.9" Hg atmospheric pressure (corrected to sea level)
- (5) At a water temperature of 60° F

### f. REAR MOUNTED PUMP OPERATOR'S PANEL

Comply ☒ Exception ☐

A pump operator's control panel shall be located at the rear of the apparatus body. It shall contain all controls necessary to operate the pump systems. The panel shall be appropriately sized with the controls positioned in a methodical, user-friendly format. The edges of the panel shall be smooth radius to prevent the snagging of clothing or injury. The panel shall have an extended top to

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assist in weather protection and to house the panel lights. Controls shall be provided on the operator's panel as follows:

- Pump engine ignition/start/stop controls
- Starter push button
- Oil pressure warning light
- Engine temperature warning light
- Engine glow plug control light
- Throttle control
- Primer control
- 2.5" liquid filled Intake gauge
- 2.5" liquid filled Discharge gauge
- Operator's panel switching for perimeter lighting

**g. INTAKE PRESSURE GAUGE**

**Comply** ☒

**Exception** ☐

One (1) intake pressure gauge shall be provided on the operator's panel, located in a vertical pattern on the right side of the operator's panel. The gauge shall be a Class One brand, or equivalent, graduated from 30-0-600 PSI, with a minimum diameter of 2.5". The gauge shall have a diaphragm installed at the pressure inlet to prevent water from entering the body of the valve. The gauge shall be illuminated by the standard panel lighting.

**h. DISCHARGE PRESSURE GAUGE**

**Comply** ☒

**Exception** ☐

One (1) discharge pressure gauge shall be provided on the operator's panel, located in a vertical pattern on the right side of the operator's panel. The gauge shall be a Class One brand, or equivalent, graduated from 0-600 PSI, with a minimum diameter of 2.5". The gauge shall have a diaphragm installed at the pressure inlet to prevent water from entering the body of the valve. The gauge shall be illuminated by the standard panel lighting.

**i. PUMP PANEL LIGHT**

**Comply** ☒

**Exception** ☐

Two (2) E-03 Tecniq LED lights, or equivalent, facing downward, shall be provided to illuminate the rear pump operator's panel area. This light shall be controlled by a manual switch on the pump operator's panel.

**j. FUEL TANK SYSTEM**

**Comply** ☒

**Exception** ☐

The pump motor will use diesel the same as the chassis motor. Siphon shall be installed into the chassis tank. Siphoning shall occur at a level 1.5" above the chassis siphon system. A small engine electric fuel pump shall be installed to pump fuel to the level of the pump motor requirements.

**4. MAIN PUMP DISCHARGE AND INTAKE PLUMBING**

**a. MAIN SPECIFICATIONS**

**Comply** ☒

**Exception** ☐

The discharge and intake valves specified shall be either of a direct-actuated quarter turn design or shall be provided with control rods that are directly connected from the valve handle to the rear mounted pump panel area. All discharges and intakes shall have NST thread brass chrome rocker lug style caps with chains, unless designed to be pre-connected, or otherwise specified. Where vibration or chassis flexing may damage or loosen piping, the piping shall be equipped with Victaulic couplings, rubber pressure rated hose or hump hose connections. The main pressure manifold is behind the pump in front of the tank for uncluttered area on the rear of the platform.

The main suction and discharge plumbing shall be welded stainless steel pipe or high pressure flexible hose with appropriate fittings designed to withstand the normal operating pressures of the pump. All high pressure hose shall be installed with a swivel or Victaulic coupling on at least one end of the hose. The nominal sizes of all of the plumbing supplying the pump and discharges shall be as follows:

- Intake – 2½ inch tank to pump, 2½ inch fill
- Discharges – 1½ inch main pipe, 1½ inch branch
- Hose reel(s) – 1 inch

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### b. MAIN VALVES

Comply ☒ Exception ☐

All valves shall be Akron 8800 series swing-out style or equivalent. All valves shall be designed to operate under normal conditions up to 500 PSI and shall have dual seats to work in both pressure and vacuum environments. All valves and controls shall be easily accessible for service, repair or replacement.

### c. MASTER DRAIN

Comply ☒ Exception ☐

A master drain valve shall be plumbed to the rear section of pump, suction plumbing and discharge plumbing as required to fully drain the piping and pump to prevent damage from freezing. The drain valve and associated plumbing will be designed to withstand pressures of 400 psi.

### d. GAUGE DRAINS

Comply ☒ Exception ☐

The pressure gauges shall be plumbed to the pump and plumbing drain.

### e. DISCHARGE LOCATIONS

Comply ☒ Exception ☐

The main discharge shall be plumbed with 1½" stainless steel pipe and/or 1½" flexible high pressure hose, and shall branch to 1½" and then terminate with:

- One (1) 1.5" discharge, shall be provided at the rear of the apparatus with 1.5" NH threads, with a 1.5" NSTF Chrome cap and chain. The discharge valve shall be controlled at the valve with a TSC style handle.
- Two (2) 1" discharges, labeled "Hose Reel," shall be provided at the rear of the apparatus on both sides. The discharge shall be plumbed with stainless steel pipe and/or 1" flexible high pressure hose, and shall terminate at the hose reel. The hose reel discharge valve shall be controlled at the valve with a TSC style handle.
- One (1) 1½" discharge, shall be provided inside the left rear box of the apparatus body for an engine protection line. The discharge valve shall be controlled at the valve with a TSC style handle.

### f. INTAKE LOCATION

Comply ☒ Exception ☐

One (1) Akron 2.5" valve or equivalent connected to a 2.5" intake shall be provided at the rear of the apparatus body, plumbed with 2.5" piping to the intake side tank to pump tee terminating with a NHM fitting with a 2.5" NHF Chrome cap and chain. A removable intake screen shall be installed to prevent debris from entering the pump. The valve shall have a T-handle control at the rear of the apparatus.

### g. TANK FILL

Comply ☒ Exception ☐

One (1) 1" Akron, or equivalent, tank refill, or recirculation line with a 1" quarter turn inline valve, shall be provided to allow the water tank to be refilled through the pump. The valve shall have a T-handle control at the rear of the apparatus.

### h. TANK TO PUMP LINE

Comply ☒ Exception ☐

One (1) Akron, or equivalent, 2.5" tank to pump inline valve, shall be installed between the water tank outlet and the pump inlet. The valve shall have a T-handle control at the rear of the apparatus.

## 5. WATER TANK AND CONSTRUCTION

Comply ☒ Exception ☐

The water tank with a footprint of 60" W x 72" L holding a minimum of 400 gallons shall be fabricated from ½" thick, non-corrosive stress relieved polypropylene, natural black in color and U.V. stabilized for maximum protection. Materials used shall be compatible with firefighting foams, retardants and wetting agents. All joints and seams shall be extrusion double welded and tested for maximum strength and integrity. The transverse baffle partitions shall be manufactured of the same material as the main body and extend from the floor of the tank to the cover to allow for positive welding and maximum integrity. All partitions shall be equipped with vent and air holes to permit movement of air and water between compartments. All baffle partitions shall interlock with one another and be welded to each other, as well as to the walls of the tank.

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- a. The tank shall be designed to be completely independent of the platform structure and compartments, and shall be equipped with removable lifting eyes to facilitate ease of removal. All joints and seams shall be nitrogen-welded inside and out. All exposed edges on the tank and fill tower shall be rounded off to a 1/4" radius.

The end wall of the tank, closest to the pump mount location shall have a vertical translucent panel sight gauge. The tank shall have a manual fill tower with a basket strainer for both the water tank and foam tank. The fill tower shall be constructed of same material as the rest of the tank and shall have a minimum dimension of 8 inch x 8 inch outer perimeter. The tower shall have a 0.25 inch thick, removable polypropylene screen installed in the throat of the fill tower. A combination vent and overflow pipe shall be fastened inside the fill tower, approximately 1.5 inch down from the top.

All internal piping shall be constructed of schedule 80 polypropylene pipe. The tank shall have a vent over-flow pipe that extends through the tank and exits under the vehicle. The tank sump shall have a plate welded approximately 2" above the sump to prevent water swirl. There shall be piping inside the tank with a suction tube to the sump. The suction tube shall extend down through the anti-swirl plate and baffles. Baffling will meet or exceed NFPA 1901. All fittings in the tank shall be heavy duty polypropylene and shall be welded inside and outside using industry acceptable practices. Tank inlets shall have flow deflectors inside the tank.

The tank shall have a limited Lifetime warranty that provides warranty service for the life of the fire apparatus in which the tank is installed. Warranties are transferable if the apparatus ownership changes by requesting the transfer.

- b. Integral 12 gallon foam cell built into tank  
c. Both tanks will have visual sight gauges built to the tanks.  
d. Spare tire mount shall bolt into a recessed area of the rear top of the water tank. When the tire is mounted in the spare position, the top of the tire will be the even with the top of the tank.

6. **BOOSTER HOSE REEL**

Comply ☒ Exception ☐

Two (2) Hannay brand, Model # **EF4128-17-20**, or equivalent, booster hose reel, with a 70 amp breaker, and a capacity of 150 ft. of 3/4" booster hose, shall be provided and installed at the right rear side of the platform deck. The hose shall dismount to the side of the apparatus.

The hose reel frame and drum shall be fabricated of steel with aluminum powder coat color, with the sprocket being chrome plated to minimize maintenance. The hose reel inlet connection shall be a 1" inline quarter turn valve and 1" flexible wire-reinforced hose. The hose reel outlet connection shall be 1" NH thread. The rewind control shall be located on the hose reel frame in an area determined by the fire department.

The reel shall be provided with a 2/3 HP, 12 Volt electric motor for rewinding the hose on to the reel. Each motor shall be controlled with one (1) Cole Hersee M-612, or equivalent, push button switch located on the pump control panel. The booster reels shall have provisions for manual rewind. The pinion shaft for the manual rewind gear shall have an adjustable tension brake, controlled at the reel. One (1) FH3 captive roller assembly, or equivalent, shall be provided for the reel.

7. **FOAM INDUCTION UNIT**

Comply ☒ Exception ☐

A Trident "Foamate" Class "A" Foam proportioner or equal is a device for educting foam concentrate solution into hose lines of fire pumps, used in combating Forest and Urban/Wildland fires. The easy to proportioning head calibrates to educt foam concentrate at a variable percentage into hose lines flowing up to 400 GPM. The system has a pressure connecting hose, a system delivery hose and a foam pick-up hose. As water flow increases or decreases, the foam concentrate rate of injection is increased or decreased automatically to correspond to the water flow.

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### 8. LABELING

#### a. TRUCK IDENTIFICATION PLATE

Comply ☒ Exception ☐

A truck identification plate shall be provided and installed on the pump operator's panel. The plate shall state the name and address of the apparatus manufacturer, the serial number of the unit and the pump performance test results.

#### b. PUMP OPERATING INSTRUCTION PLATE

Comply ☒ Exception ☐

An identification plate shall be provided on the pump operator's panel with step-by-step operating instructions.

#### c. PUMP PANEL LABELING

Comply ☒ Exception ☐

All controls, discharges, intakes, ports, drains, and other pump panel components that are not provided with a pre-printed legend or trim plate shall be labeled as required for ease of operation.

#### d. VALVE LABELING

Comply ☒ Exception ☐

Valves and /or Valve control handles shall be labeled as to duty. The tags shall be placed adjacent to the components in such a way as to clearly distinguish the item that they are identifying.

## VII. APPARATUS FINISH FOR TURN-KEY OPERATION

### 1. COMPLETED APPARATUS TESTING

#### a. PUMP PERFORMANCE TEST AND CERTIFICATION

Comply ☒ Exception ☐

Upon completion, the apparatus shall undergo a complete pumping test that conforms to the requirements of NFPA Standard 1906 (latest edition) for the size and type of pump provided in Lenoir, NC. The test shall consist of a continuous one-half hour test pumping at rated capacity and rated net pump pressure, a vacuum test of the primer system and plumbing, a tank discharge flow test and a pressure test of the apparatus piping. The chassis engine and transmission, the pump and other components of the apparatus shall show no undue heating, leaks, or other defect. The results of the test shall be documented to establish the performance of the apparatus and to further insure that the unit shall perform satisfactorily when placed into service. The test results shall be certified in writing, with the certification provided to the purchaser for their records at the time of delivery of the completed apparatus.

#### b. ELECTRICAL, LOW-VOLTAGE TEST

Comply ☒ Exception ☐

The fire apparatus low voltage electrical system shall be tested as required by this section and the test results shall be certified by the apparatus manufacturer. The certification shall be delivered to the purchaser with the documentation for the completed apparatus. The tests shall be performed when the air temperature is between 0°F and 110°F (18°C and 43°C).

#### c. TEST SEQUENCE

Comply ☒ Exception ☐

The three (3) tests defined below shall be performed in the order in which they appear. Before each test, the chassis batteries shall be fully charged until the voltage stabilizes at the voltage regulator set point and the lowest charge current is maintained for 10 minutes. The failure of any of these tests shall require a repeat of the test sequence.

#### d. RESERVE CAPACITY TEST

Comply ☒ Exception ☐

The chassis engine shall be started and kept running until the chassis engine and engine compartment temperatures are stabilized at normal operating temperatures and the chassis battery system is fully charged. The chassis engine shall be shut off and the minimum continuous electrical load shall be applied for 10 minutes. All electrical loads shall be turned off prior to attempting to restart the chassis engine. The chassis battery system shall then be capable of restarting the chassis engine. The failure to restart the chassis engine shall be considered a failure of this test.

#### e. ALTERNATOR PERFORMANCE TEST AT IDLE

Comply ☒ Exception ☐

The minimum continuous electrical load shall be applied with the chassis engine running at idle speed. The chassis engine temperature shall be stabilized at normal operating temperature. The

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chassis battery system shall be tested to detect the presence of a chassis battery current discharge. The detection of chassis battery current discharge shall be considered a failure of this test.

**f. ALTERNATOR PERFORMANCE TEST AT FULL LOAD** **Comply** ☒ **Exception** ☐

The total continuous electrical load shall be applied with the chassis engine running up to the engine manufacturer's governed speed. The test duration shall be a minimum of two (2) hours. The activation of the electrical system load management system shall be permitted during this test. The activation of an alarm due to excessive chassis battery discharge, as detected by the system required by NFPA (current edition), or an electrical system voltage of less than 11.8 VDC for a 12 VDC nominal system, for more than 120 seconds, shall be considered a failure of this test.

**g. LOW VOLTAGE ALARM TEST** **Comply** ☒ **Exception** ☐

Following the completion of the tests described above, the chassis engine shall be turned off. With the chassis engine turned off, the total continuous electrical load shall be applied and shall continue to be applied until the excessive battery discharge alarm activates. The chassis battery voltage shall be measured at the battery terminals.

The test shall be considered to be a failure if the low voltage alarm has not yet sounded 140 seconds after the voltage drops to 11.50VDC for a 12 VDC nominal system. The chassis battery system shall then be able to restart the chassis engine. The failure of the chassis battery system to restart the chassis engine shall be considered a failure of this test.

**h. DOCUMENTATION** **Comply** ☒ **Exception** ☐

The apparatus manufacturer shall provide the results of the low-voltage electrical system performance test, certified in writing, with the documentation provided to the purchaser at the time of delivery of the completed apparatus. The test results shall consist of the following documents:

- A written electrical load analysis, including the following:
- The nameplate rating of the alternator.
- The alternator rating under the conditions specified in NFPA 1906 (current edition).
- Each of the component loads specified that make up the minimum continuous electrical load.
- Additional electrical loads that, when added to the minimum continuous electrical load, determine the total continuous electrical load.
- Each individual intermittent electrical load.

## 2. APPARATUS FINISH

**a. COMPLETE APPARATUS BODY COLOR** **Comply** ☒ **Exception** ☐

- Chassis color is OEM Race Red.
- The apparatus body of diamond plate and channel aluminum shall not be painted.
- The front bumper shall be powder coated black.
- The wheels shall be OEM gray.
- The compartment doors shall be powder coated red.

**b. STRIPING** **Comply** ☒ **Exception** ☐

A 1-3-1 theme white-(red)-black-(red)-white retro-reflective stripe shall be provided and installed horizontally on both the chassis cab and body. The stripe shall be placed as low as possible on the vertical surfaces on the sides of the front door (front fender) allowing room above the stripe to install a department logo. The stripe shall continue on the apparatus platform in the bed rail and continue around the platform to the opposite side front.

**c. CAB AND BODY LETTERING AND STRIPING** **Comply** ☒ **Exception** ☐

Retro-reflective material, shall be provided and installed on the apparatus as follows:

- The department designator, in 4" tall letters, shall be provided on approximately centered on the dunnage basket above the compartments on each side of the apparatus body. The words "Brush 141", in 4" tall red scripted letters, shall be applied on both sides, centered in a 6" white reflective stripe on the basket.

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- The unit designator, (example Brush 141) in 3" tall letters, shall be provided centered on the swept back portion of the front bumper on the passenger's side.
- The unit designator, (example Brush -23) in 4" tall letters, shall be provided centered on the rear facing portion of the hose reel on the passenger's side.
- The apparatus manufacturer shall install Government supplied door decals (shield / logo) on the front cab doors, above the white/red reflective striping.

**d. INTERGATION OF OEM REAR CAMERA**

Comply ☒

Exception ☐

If this option is included in the chassis, install OEM rear camera into apparatus body making sure the camera is in the best possible position for safety and usage.

**3. EQUIPMENT**

Comply ☒

Exception ☐

The following equipment shall be provided with the completed apparatus. The equipment shall be new and unused, and shall meet all current NFPA, OSHA and other applicable safety regulations.

**a. MANUALS AND DRAWINGS**

Comply ☒

Exception ☐

- The following specified materials shall be provided with the completed apparatus:
- One (1) complete set of standard chassis operation, parts and service manuals.
- One (1) apparatus manufacturer's operation and service manual, to include:
  - ✓ Manufacturer's Record of Construction
  - ✓ Warranty Registration and Information
  - ✓ Operator Safety Information
  - ✓ Pump Operation and Troubleshooting Instructions
  - ✓ Vehicle Exterior Maintenance Instructions
  - ✓ Maintenance and Lubrication Information & Charts
  - ✓ Complete Electrical Diagrams
  - ✓ Component Literature (ie: siren, hose reel, etc.)
  - ✓ Pump Test Certificate, Weight Certificate, Service Parts Replacement List

**b. HYDRANT WRENCH HOLDER**

Comply ☒

Exception ☐

One (1) national Firefighter brand, FEQ 148, or equivalent, three position captive latching type/hydrant/spanner wrench holder shall be permanently affixed per department recommendation at mid-build meeting. Holder is modified so hydrant wrench is holstered instead of clipped. Tools are included with the holder.

**c. BOOSTER HOSE**

Comply ☒

Exception ☐

Install 150 feet per hose reel of ¾" Mercedes Boost Lite. This hose is designed as a rigid, non-collapsible hose to fit hose reels, field repairable and meets a variety of wildland fire attack requirements. The bend radius is less than 3.5" (8.9 cm) on the ¾" inch (19mm) hose with a unique Mertex® lining yields an extremely low friction loss, for maximum flow and superior adhesion for long life. The standard Strobe Yellow Permatek™ HP treatment allows for greater visibility & abrasion resistance and greatly reduces moisture absorption through the jacket with a usable temperature range of -60° F to 160° F (-50° C to 71° C).

**d. WHEEL CHOCKS**

Comply ☒

Exception ☐

Two (2) Zico brand AC-32 or equal NFPA 1901-09 compliant wheel chocks shall be provided with the completed apparatus, one (1) each side. They will be mounted to the underside of the platform behind the mud flaps with Zico brand QCH-32-H or equal holders for convenient storage.

**e. DRAFT HOSE**

Comply ☒

Exception ☐

Three (3) eight foot x 2.5" draft hoses shall be placed ready to use in the draft hose storage under the platform. Two will have a FNH and MNH connection. The last will have a permanent 4" barrel strainer and FNH connection.

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**f. ELECTRIC LEVEL GAUGES**

Comply ☒ Exception ☐

The FRC Tank Vision or equal is the ultimate solution in water and/or foam volume monitoring. It uses a pressure sensor to sense the amount of liquid in the tank and can be calibrated to accurately display the volume in tanks of all shapes and sizes. The unit has standard features of nine highly visible ultra-bright LEDs providing an accurate display. The wide-viewing 180° lens is easy to see under all conditions.

**g. LEVEL GAUGES (Minis on Console)**

Comply ☒ Exception ☐

The FRC Tank Vision or equal is the ultimate solution in water and/or foam volume monitoring. It uses a pressure sensor to sense the amount of liquid in the tank and can be calibrated to accurately display the volume in tanks of all shapes and sizes. The unit has standard features of nine highly visible ultra-bright LEDs providing an accurate display. The wide-viewing 180° lens is easy to see under all conditions.

**h. TURTLE TILE**

Comply ☒ Exception ☐

Turtle tile or equal in all compartments floors and shelves to protect the apparatus and tools. Turtle Plastic's 3/4" thick industrial grade Turtle Tiles compartment matting has an open grid design which allows for maximum drainage and traction. Each tile has 77 sturdy feet to provide even support and 8 locks (2 sides with 2 male T tabs, 2 sides with 2 female T slots). Plus, the matting is resistant to fungus, mold, grease, solvents, and most common chemicals.

**i. DRIP TORCHES**

Comply ☒ Exception ☐

Two powder coated red and made of lightweight aluminum alloy drip torch that is designed to withstand the rough treatment that drip torches often endure. The safety loop is well away from the flame so there is no danger of the fuel in the loop (liquid seal) vaporizing from heat. The screw type vent valve introduces air to the bottom of the tank to relieve the vacuum created as fuel is being used. The wick is made of inserted fiberglass. With holders, they will be installed in front the hose reel on top of the rear box.

**4. COST**

Chassis Cost \_\_\_\_\_ \$ 000 Build Time \_\_\_\_\_ 0 Days or less \_\_\_\_\_  
Chassis is purchased already by department

Apparatus Cost \$166,135.00 Build Time Est. 52 Weeks ARO

As described above

Total Cost/Unit \$166,135.00 Total Time Est. 52 Weeks ARO

\*\*\*Please see our Equipment Proposal TII/UT/1119/12802 attached.

- |   |              |                 |
|---|--------------|-----------------|
| Signature of bidder   | Date         | Name of bidder  |
| <i>Rifat Habib</i>  | 12/02/2019   | Rifat Habib     |
| Name of bidding company   | phone #      | email           |
| Technology International, Inc.                                      | 407-359-2373 | tii@tii-usa.com |
| Bidding company address   |              |                 |
| 1349 South International Pkwy, Suite 2411, Lake Mary, Florida 32746 |              |                 |

## Santaquin Fire & EMS Brush Truck Specifications

### 5. OPTIONS OF ADDITIONAL COST

#### a. FOAM INJECTION UNIT

Comply ☒

Price \$ 7,130.00

Upgrade from the Trident induction to the FoamPro System 1601 or equal using an electric motor driven flow-based proportioning system that measures water flow and then injects the proportional amount of foam concentrate to maintain the preset percentage. The system will accurately deliver from 0.1% to 1.0% foam concentrate to the foam injector fitting. The flowmeter measures the water flow and sends a signal to the motor driver control. Another sensing device monitors the foam pump output. Constant comparison of these two information signals by the computer ensures maintenance of the desired proportion of foam concentrate at all times based on the water flow rate, independent of any variations in fire pump intake or discharge pressures. As water flow increases or decreases, the foam concentrate rate of injection is increased or decreased automatically to correspond to the water flow.

#### b. REROUTE PUMP MOTOR EXHAUST

Comply ☒

Price \$ 1,638.75

The exhaust piping from the pump motor will be redirected downward through the floor of the platform and end up routing just above the chassis exhaust. The pipe system will have vibration mounts to keep the system from cracking or leaking. The pipe system will have heat wrap in sensitive areas in order to reduce any exhaust routing high heat issues. This treatment will reduce heat around the pump and dunnage area.

\*\*\*Please see our Equipment Proposal TII/UT/1119/12802 attached.



**Technology International, Inc.**  
1349 South International Pkwy, Suite 2411  
Lake Mary, FL 32746  
Tel: (407) 359-2373  
Fax: (407) 359-2372  
E-mail: [tii@tii-usa.com](mailto:tii@tii-usa.com)  
Website: [www.tii-usa.com](http://www.tii-usa.com)

## Equipment Proposal

**Description:** Santaquin Fire & EMS Brush Truck Specifications

**Number:** SANT202010259

**Attention:** Norm Beagley  
Phone: 801-754-1011  
Email: [nbeagley@santaquin.org](mailto:nbeagley@santaquin.org)

**Our Ref:** TII/UT/1119/12802

**Date:** 12/02/2019

In response to your quote request for Santaquin Fire & EMS Brush Truck Specifications, Technology International, Inc. is pleased to submit the following for consideration:

ITEM NO.	QTY	DESCRIPTION/ MODEL NO.	UNIT PRICE	EXTD. PRICE
1	1	Rally Brat 5500 Brush Truck Part # B11175SAN Dodge 5500 Flatbed Brush Truck with a Diesel Motor Fire Pump	\$166,135.00	\$166,135.00
See attached data sheets				
<b><u>Total price for all above.....\$166,135.00</u></b>				

**Optional (not included in above):**

- 2020 Dodge 5500 Chassis..... \$59,675.00
- Foam Injection Unit..... \$7,130.00
- Reroute Pump Motor Exhaust..... \$1,638.75

**Warranty:** Manufacturer's Standard warranty applies.

**Delivery:**

- Estimated delivery is **52 WEEKS** after receipt of order and approved submittal
- All delivery dates quoted are subject to manufacturer's confirmation at time of order.

- Submittal data will be provided for approval after receipt of order (if applicable).
- Customer to provide equipment and personnel to unload.
- TII will deliver good title (MSO) to the Agency upon payment confirmation. The Agency is responsible for its own title work and registration (if applicable).

**Freight:** Freight Included to Santaquin, UT.

**Validity:** Quote is valid for 30 days.

**Payment Terms:** NET 30

**Prompt Payment discount:** 1/4 % 10 days

**Technology International, Inc. Corporate data:**

We are a small business and our Tax Payer Identification Number (TIN): 650342335. The above price quoted does not include any sales, excise or similar taxes. If applicable agency must accrue and remit it directly."

We trust that this proposal will meet your requirements and we look forward to hearing from you.

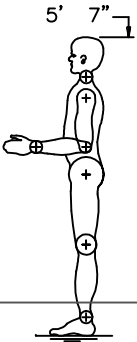
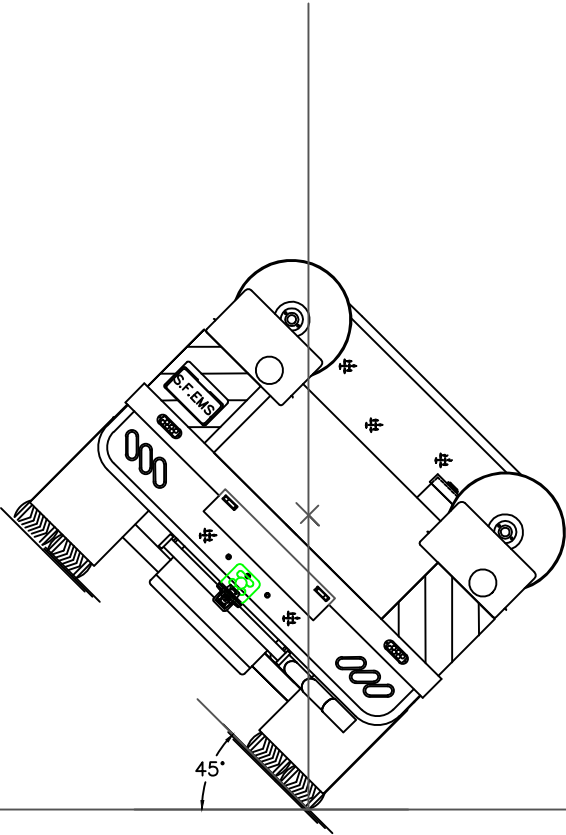
If you have any questions or need more information, please contact us by phone at 407-359-2373, fax at 407-359-2372 or email us at [tii@tii-usa.com](mailto:tii@tii-usa.com)

Respectfully submitted,



Rifat Habib  
Business Development Exec.  
Technology International, Inc.

CALCULATED CG OF  
MANUFACTURED TRUCK WITH  
FULL WATER AND FOAM IS  
47.5" FROM THE GROUND AND  
CENTER LINE, LEFT TO RIGHT.  
WHEELS WOULD LEAVE TILT  
TABLE AT 45 DEGREES OF  
TILT BECAUSE THAT IS WHERE  
CG CROSSES THE VERTICAL  
LINE UP FROM THE LOWER  
TIRE CONTACT POINT.



**NOTE**  
THIS DRAWING IS CONCEPTUAL AND IS NOT AN EXACT  
REPRESENTATION OF THE TRUCK DRAWN. DIMENSIONS SHOWN  
ARE APPROXIMATE AND ARE SUBJECT TO DEVIATION AS MAY  
OCCUR OR BE NECESSARY DURING CONSTRUCTION.  
  
SOME DETAILS NOT SHOWN.

400-12 GALLON POLY TANK  
WATERAX BB-4 DIESEL PUMP  
ALUMINUM EXTRUSION FLATBED

<b>Firematic</b> MANUFACTURING		JOB NO.	2168
		DATE	NOV 27, 2019
TITLE	D5500 4X4 BRUSH TRUCK	CHASSIS DATA	DODGE 5500 CREW CAB
FOR	SANTAQUIN FIRE & EMS SANTAQUIN, UT	DRAWN BY	D. HORTON
		APPROVED BY	D. HORTON
		SHEET NO.	1 / 1

# ***Firematic*** **MANUFACTURING CAPABILITIES**



Firematic is proud to announce the opening of our new 6000 square foot facility dedicated to the manufacturing of life saving apparatus for the fire/rescue industry. This additional facility truly makes Firematic unique in offering a one stop shop for our first responders.

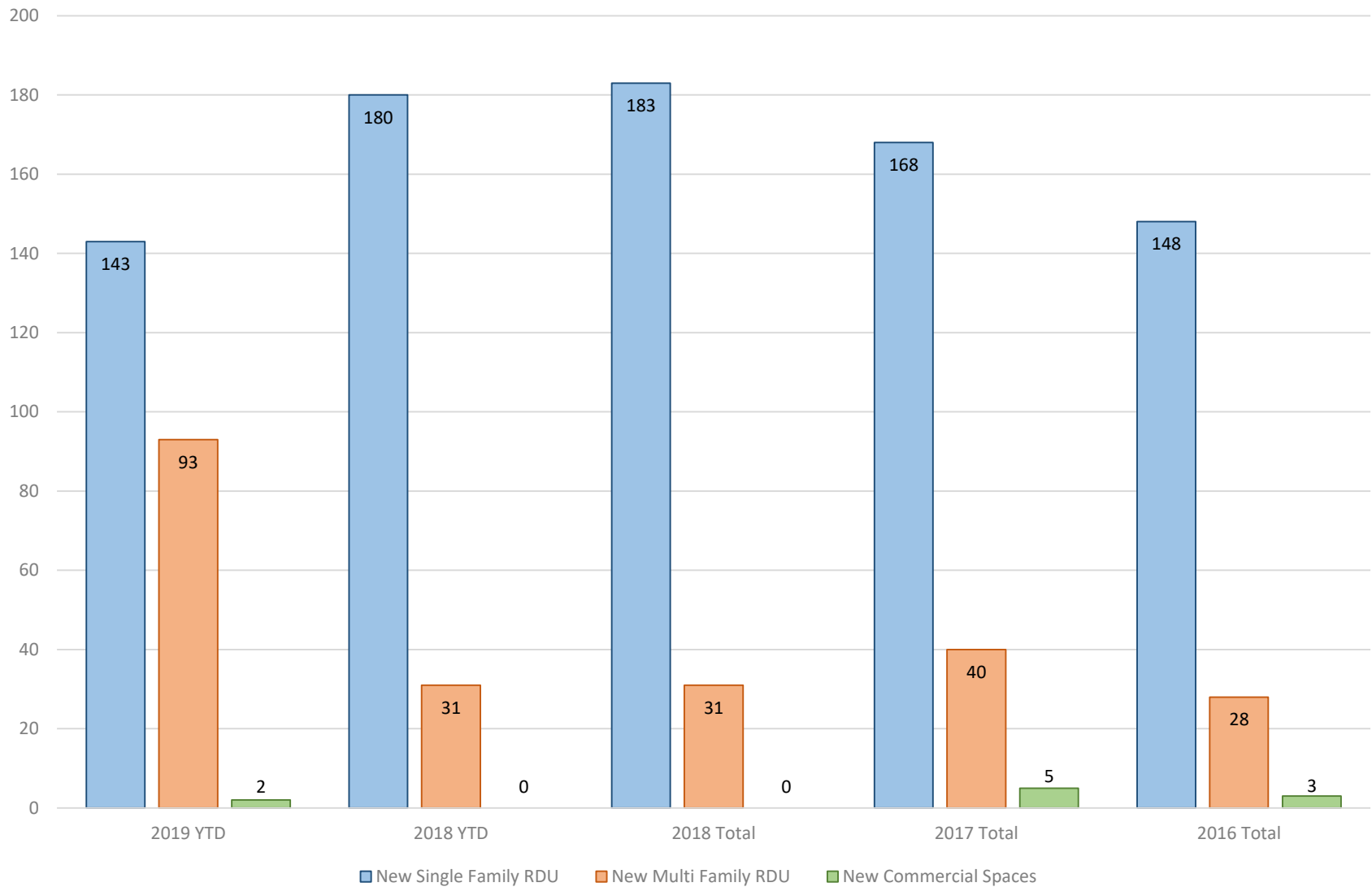
We are equipped with the latest state of the art machinery for the highest quality manufacturing. With 46+ years of talent and experience in the fire/rescue industry combined with the latest technology and equipment, Firematic offers exceptional service and capability to our customers.



***Firematic***  
**SUPPLY COMPANY INC.**



## Building Permit Report December 17, 2019



### New Business Licenses

<b>Name</b>	<b>Owner</b>	<b>Address</b>	<b>Description</b>	<b>BL#</b>
Miss Amanda's Home Away from Home Care	Amanda Staheli	747 N. Center St.	In-Home Day Care	BL-4478
NSP Drywall LLC	Jayson Young	436 Stone Hollow Dr.	Drywall Contractor	BL-4479
Muddy Max Grooming	Whitney Hendershot	160 N. Center St.	Dog Grooming	BL-4480

Vendor	JCG Technologies	Swagit - Avior Package	Swagit - EASE Package	
Equipment & Installation	\$ 4,000 One Time	\$44,565 One Time	\$19,675 One Time	
Support	\$3,000 Annually	\$11,940 Annually	\$8,340 Annually	
On Demand/Archiving	\$300			
Indexing				
Webcasting	\$100			
Meetings per Year	Unlimited	25	25	
Annual Totals	\$6,787.00	\$56,505.00	\$28,015.00	1st Year
	\$4,788.00	\$11,940.00	\$8,340.00	2nd Year

## **RESOLUTION NO. 12-06-2019**

### **A RESOLUTION OF THE SANTAQUIN CITY COUNCIL REINSTATING THE POSITION OF ASSISTANT CITY MANAGER AND AUTHORIZING AN EMPLOYMENT AGREEMENT FOR THE ASSISTANT CITY MANAGER**

**WHEREAS**, Santaquin City (hereinafter the “City”) is a municipality and political subdivision of the State of Utah; and

**WHEREAS**, Norman E. Beagley, (hereinafter called “Beagley”) is an individual who is presently employed by the City as the Director of Engineering and who has the education, training and experience in local government management, community development, and public works and infrastructure development, and is personally responsible for millions of dollars in grant proceeds and infrastructure cost savings during his time with Santaquin City ; and

**WHEREAS**, the City desires to reinstate an Assistant City Managers position to assist the City Manager by performing a variety of professional administrative and managerial duties related to planning, directing, organizing, and controlling the administrative processes necessary to carry out the efficient and economic operation of the city; and

**WHEREAS**, the City desires to promote Beagley to the reinstated position of Assistant City Manager and to encourage his continuing employment with the City and to provide a measure of security in his employment; and

**WHEREAS**, Beagley desires to continue his employment with the City under certain terms and conditions; and

**WHEREAS**, the parties now desire to enter into this Agreement in order to establish the terms and conditions of Beagley’s continued employment with the City.

**NOW, THEREFORE, BE IT ORDAINED** by the City Council of Santaquin City, State of Utah, to reinstate the position of Assistant City Manager and authorize the acceptance of the “Santaquin City Assistant City Manager Employment Agreement”, a copy of which is attached hereto.

PASSED AND APPROVED this 17<sup>th</sup> day of December, 2019.

SANTAQUIN CITY COUNCIL

---

Kirk F. Hunsaker, Mayor

ATTEST:

---

K. Aaron Shirley, City Recorder

## **SANTAQUIN ASSISTANT CITY MANAGER EMPLOYMENT AGREEMENT**

This Agreement, made and entered into this 17<sup>th</sup> day of December, 2019, by and between **Santaquin City**, a fourth-class city and political subdivision of the State of Utah (hereinafter called “City”) and **Norman E. Beagley**, (hereinafter called “Beagley”).

### **WITNESSETH:**

WHEREAS, Santaquin City is a municipality and political subdivision of the State of Utah; and

WHEREAS, Beagley is an individual who is presently employed by the City as the Director of Engineering and who has the education, training and experience in local government management, community development, and public works and infrastructure development; and

WHEREAS, the City desires to promote Beagley to the newly reinstated position of Assistant City Manager and to encourage his continuing employment with the City and to provide a measure of security in his employment; and

WHEREAS, Beagley desires to continue his employment with the City under certain terms and conditions; and

WHEREAS, the parties now desire to enter into this Agreement in order to establish the terms and conditions of Beagley’s continued employment with the City.

**NOW, THEREFORE**, in consideration of mutual covenants, agreements and other valuable consideration, the parties agree as follows:

1. **EMPLOYMENT.** The City agrees to employ Beagley and Beagley agrees to be employed by the City, in the capacity of Assistant City Manager. In his capacity as Assistant City Manager, Beagley shall report directly to the City Manager concerning those duties for which the City Manager has authority pursuant to state law and/or local ordinance.
2. **TERM.** The term of this Agreement shall be for an initial period of three (3) years, commencing December 18, 2019 and ending December 17, 2022, unless it is terminated earlier as set for in Section 13. At the conclusion of the initial period, this Agreement shall automatically be renewed for an additional two (2) year term unless notice that the Agreement shall terminate is given at least six (6) months before the expiration date thereof. In the event the Agreement is not renewed, all compensation, benefits and requirements of this Agreement shall remain in effect until the expiration of the term of

the Agreement unless Beagley voluntarily resigns, is unable to perform the duties set forth in the Agreement, or is terminated for cause as set for in Section 13.

3. **DUTIES.** During the term of this Agreement, Beagley, as Assistant City Manager for the City, shall assist in the performance of those duties outlined section 1-6A-5 of the Santaquin City Code as well as those duties designated in the Santaquin City Assistant City Manager Job Description (Exhibit A) and such additional duties as may be assigned to him from time to time by the City Manager or Mayor. Additionally, Beagley will fulfill the responsibilities of the City Engineer for a period of approximately six months (See duties under City Engineer Job Description – Exhibit B). Beagley shall at all times faithfully, diligently and conscientiously perform all of the duties that may be required of and from him pursuant to the express and implied terms of this Agreement in a professional, competent and ethical manner.
4. **TIME AND EFFORT.** Beagley shall devote whatever time is necessary to satisfactorily perform the duties of Assistant City Manager, but it is agreed that Beagley shall work, on average, a minimum of forty (40) hours per week. Beagley is an exempt employee and, therefore, does not qualify and is not entitled to receive overtime compensation or compensatory time off.
5. **SALARY.** During the term of this Agreement, Beagley shall be paid an annual salary of One Hundred Eleven Thousand Three Hundred Seventy Eight Dollars and fifty four cents (\$111,378.54), plus cost of living increases as the same may be from time to time approved by the City Council for other City employees, less applicable federal and state tax withholdings and other deductions required by law or authorized by Beagley, payable in substantially equal installments bi-weekly in accordance with the City's regular payroll schedule. Additionally, the City shall provide a 3% pay increase after six (6) months of satisfactory employment. Notwithstanding, the City may in its sole discretion, upon the favorable performance review of Beagley by the City, increase the salary of Beagley from time to time. The City agrees to conduct at least one annual evaluation of Beagley.
6. **BENEFITS.** Beagley shall be eligible to participate in the benefit programs of the City that are available to all other regular, full-time employees.
  - a) **Health, Disability and Life Insurance Benefits.** The City agrees to provide and to pay the premiums for health, hospitalization, surgical, vision, dental, and comprehensive medical insurance for Beagley and his dependents on the same terms and conditions that such insurance benefits are provided to all other full time employees of Santaquin City.

- b) **Vacation.** Beagley shall be credited annually with 20 days annual vacation. Employee agrees to plan his vacations around the needs of the City in consultation with the City Manager or Mayor.
  - c) **Sick Leave.** Beagley shall accrue sick leave in accordance with the Santaquin City Employee Policies and Procedures Handbook.
  - d) **Holidays.** Beagley shall receive paid time off for all state and Federal holidays in the same manner as provided to all other full time employees pursuant to the Santaquin City Employee Policies and Procedures Handbook.
  - e) **Retirement.** The City agrees to ensure that all contributions are made on Beagley's behalf in the same manner as provided to all other full time employees pursuant to the Santaquin City Employee Policies and Procedures Handbook.
  - f) **Tuition Assistance.** The City agrees to contribute full tuition assistance reimbursements to Beagley as he earns his master's degree and ensure that all contributions are made on Beagley's behalf in the same manner as provided generally to other full time employees pursuant to the Santaquin City Employee Policies and Procedures Handbook.
7. **REIMBURSEMENT OF EXPENSES.** The City shall reimburse Beagley for reasonable expenses necessarily incurred by him in connection with the work performed by Beagley for or on behalf of the City upon presentment of an expense reimbursement request containing a detailed itemization of the expenses for which reimbursement is sought, together with receipts or other appropriate documentation relating to those expenses.
- a. City, subject to the approval and discretion of the City Council, agrees to budget for and to pay for professional licensing, dues and subscriptions of Beagley necessary for continuation and full participation in national, regional, state, or local associations and organizations necessary and desirable for Beagley's continued professional participation, growth, and advancement, and for the good of the City.
  - b. City, subject to the approval and discretion of the City Council, agrees to provide Beagley a six hundred dollar (\$600.00) monthly automobile mileage stipend to cover all costs incurred while traveling to and from official City business, excluding normal commute mileage and excluding such travel, which is in excess of one hundred (100) miles in distance for any single business item.
  - c. City, subject to the approval and discretion of the City Council, agrees to budget for and to pay for travel and subsistence expenses of Beagley for professional and

official travel, meetings, and occasions to adequately continue the professional development of Beagley and to pursue necessary official functions for the City, which exceeds one hundred (100) miles in distance. Mileage reimbursement shall be administered in accordance with the Santaquin City Employee Policies and Procedures Handbook.

8. **TECHNOLOGY.** The City shall provide Beagley with a computer, software, fax/modem and cell phone required for Beagley to perform the job and to maintain communication. Use of such equipment shall be in accordance with the Santaquin City Employee Policies and Procedures Handbook.
9. **COVENANT NOT TO DISCLOSE CONFIDENTIAL OR PROPRIETARY INFORMATION.** Beagley acknowledges that, as Assistant City Manager, he has received and will continue to receive confidential or proprietary information of the City, including such information that may be originated by or imparted to him from time in the course of Beagley's employment. Beagley agrees that he shall not at any time, whether during the time that he is employed by the City or at any time thereafter, disclose to any person or entity or use any confidential or proprietary information in any manner whatsoever without the prior written consent of the Mayor or City Council. Upon the request of the City while Beagley is employed by the City, or upon the termination of Beagley's employment with the City, Beagley will turn over to the City Manager all documents, papers or other materials in Beagley's possession, custody or control which may contain or be derived from confidential or proprietary information of the City. The term "confidential or proprietary information" shall include, without limitation, all trade secrets, financial information, customer information, litigation strategy, and all other information involving or reasonably related to the business of the City, and any tangible article which embodies such confidential or proprietary information.
10. **OUTSIDE ACTIVITIES.** The employment provided for by this Agreement shall be the Employee's primary employment. However, the City recognizes that Beagley currently owns and operates a fencing contractor business, which affords him the ability to provide limited secondary income. Beagley understands that the operation of his contracting work must not constitute interference with nor a conflict of interest with his responsibilities under this Agreement. Furthermore, the City recognizes that certain outside consulting or teaching opportunities provide indirect benefits to the City and the community. As such, Beagley may elect to accept limited teaching, consulting or other business opportunities with the understanding that such arrangement must not interference with nor cause a conflict of interest with his responsibilities under this Agreement. Prior to any such acceptance of any additional outside employment activity, Beagley shall obtain the

written consent of the City Manager for each such activity, which consent shall not be unreasonably withheld.

**11. REMEDIES FOR BREACH OF THE COVENANT NOT TO DISCLOSE**

**CONFIDENTIAL OR PROPRIETARY INFORMATION.** In the event of a breach or threatened breach by Beagley of the provisions of the covenant not to disclose confidential or proprietary information, a court of competent jurisdiction may issue a restraining order or an injunction against Beagley, restraining or enjoining him from taking, copying, using, disclosing, giving, selling, or transferring to any other person or entity any of the City's confidential or proprietary information. In addition, the City shall be entitled to any and all other remedies available to the City at law or in equity, and no action by the City in pursuing a given remedy shall constitute an election to forego other remedies.

**12. ADHERENCE TO CITY POLICIES.** Beagley agrees to comply with the provisions of the Santaquin City Employee Policies and Procedures Handbook, to the extent that such policies and procedures are not contrary to or inconsistent with the terms of this Agreement. To the extent that any provisions in the City's personnel policies and procedures are contrary to or inconsistent with the terms of the Agreement, the terms of this Agreement shall apply.

**13. TERMINATION.** For the purpose of this Agreement, termination shall occur when:

- a) A majority of the governing body members vote to terminate Beagley at a duly authorized public meeting.
- b) If the City, citizens or legislature amends any provision of the Santaquin City Code or the Utah Code pertaining to the role, powers, duties, authority, responsibilities of the position of Assist City Manager that substantially changes the form of government, Beagley shall have the right to declare that such amendments constitute termination.
- c) If the City reduces the base salary, compensation or any other financial benefit of Beagley, unless it is applied in no greater percentage than the average reduction of all department heads, such action shall constitute a breach of this Agreement and will be regarded as termination.
- d) If Beagley resigns following an offer to accept resignation, whether formal or informal, by the City as representative of a majority of the governing body that

Beagley resigns, then Beagley may declare a termination as of the date of the suggestion.

- e) Breach of contract declared by either party within a 30 day cure period for either Beagley or the City. Written notice of a breach of contract shall be provided in accordance with the provisions of paragraph 15.

14. **SEVERANCE PAY.** Except in the case of removal for cause or Beagley's voluntary resignation, which nullify Beagley's entitlement to severance, the City shall cause Beagley, upon his removal, to be paid any unpaid balance of his salary, vacation, and sick time in accordance with the Santaquin City Employee Policy and Procedures Handbook, due to the date of his removal together with his salary at the same rate for the next six (6) calendar months following the date of his removal. Severance shall be paid in a lump sum, within thirty (30) days of termination unless otherwise agreed to by the City and by Beagley. Apart from payment of six (6) months of salary there are no other payments, benefits or entitlements pertaining to severance.

15. **OTHER AGREEMENTS.** Beagley warrants that, to the best of his knowledge, the execution and delivery of this Agreement and the performance of his duties hereunder will not violate the term of any other agreement to which he is a party or by which he is bound.

16. **BONDING.** The City shall bear the full cost of any fidelity or other bonds required of Beagley under any law or ordinance including errors and omission insurance premiums.

17. **NOTICES.** Notice pursuant to this Agreement shall be given by depositing in the custody of the United States Postal Service, postage prepaid, addressed as follows:

- a) **CITY:** Santaquin City, 275 West Main Street, Santaquin, Utah 84655
- b) **BEAGLEY:** Norman E. Beagley, 983 North 3580 East, Genola, Utah 84655

Alternatively, notice required pursuant to this Agreement may be personally served in the same manner as is applicable to civil judicial practice. Notice shall be deemed given as of the date of personal service or as the date of deposit of such written notice in the course of transmission in the United States Postal Service.

18. **MISCELLANEOUS.**

- a) **Attorney's Fees and Costs.** In the event that either party commences an action to enforce the terms of this Agreement, or to recover for its breach, the prevailing

party shall be entitled to recover from the non-prevailing party his or its attorney's fees and costs incurred therein.

- b) **Headings.** The headings used herein are inserted for convenience only, and shall not be construed as having any substantial significance or meaning whatsoever.
- c) **Assignability.** The rights and duties under this Agreement are not assignable by either party.
- d) **Binding Effect.** Subject to the provisions of paragraph 14, this Agreement shall be binding upon and inure to the benefit of the parties hereto, their agents, successors and assigns.
- e) **Entire Agreement.** This Agreement sets forth the entire agreement between and among the parties regarding the specific subject matter of this Agreement, and this Agreement supersedes and terminates all prior agreements, representations and understandings, written or oral, pertaining thereto. All obligations shall commence upon the effective date of this Agreement. Any modifications, amendments, or changes to this Agreement will be binding upon the parties only if agreed upon in writing by the parties.
- f) **Effect of Waiver.** No waiver by any party of any breach of any term or provision of this Agreement shall be construed to be, nor be, a waiver of any preceding, concurrent or succeeding breach of the same, or of any other term or provision hereof.
- g) **Unenforceable Provisions.** In the event that any part of this Agreement is held to be invalid or unenforceable by a court of competent jurisdiction, the remaining parts herein shall nevertheless continue to be valid and enforceable as though the invalid or unenforceable part(s) had not been included herein.
- h) **Governing Law.** This Agreement shall be construed in accordance with the laws of the State of Utah.

**SANTAQUIN CITY**

---

**Kirk F. Hunsaker, Mayor**

ATTEST:

---

K. Aaron Shirley, City Recorder

---

**Norman E. Beagley,  
Assistant City Manager**

## Exhibit A – Assistant City Manager Job Description



### Job Description

<b>Title:</b>	Assistant City Manager	<b>Code:</b>	100
<b>Division:</b>	Administration	<b>Effective Date:</b>	12/19
<b>Department:</b>	Community Development, Engineering, and Public Works	<b>Last Revised:</b>	12/19

#### GENERAL PURPOSE

Under the direction of the City Manager, performs a variety of **professional administrative and managerial** duties related to planning, directing, organizing, and controlling the administrative processes necessary to carry out the efficient and economic operation of the city. The Assistant City Manager assists in the management of the following city departments through its department directors: community development, engineering, and public works, etc. Assist in the management of city budgets for all city departments. Directs project monitoring to insure compliance with adopted standards and ordinances.

#### SUPERVISION RECEIVED

The Assistant City Manager works under the supervision of the City Manager. Together, the City Manager and his/her Assistant, work under the broad policy guidance and direction of the governing body of Santaquin City, as directed by the Mayor.

#### SUPERVISION EXERCISED

The Assistant City Manager assists the City Manager in providing broad policy guidance and direction to department directors. The Assistant City Manager acts as City Manager in his/her absence.

#### ESSENTIAL FUNCTIONS

Assists in the management of the day-to-day operations and internal affairs of the city; recommends policies, procedures and processes to further the policies of the Mayor and City Council; through the City Manager, advises and appraises governing body as needed; makes recommendations for executive, administrative, legislative actions (with prior notice to the City Manager and Mayor); when called upon, assists the City Manager to conduct internal investigations, examine books, records and official papers of any office, department, agency, board or commission of the city as needed to assure integrity of operations and prevent impropriety.

Assists the City Manager as he/she assumes responsibility for full and effective utilization of city personnel by establishing overall departmental objectives, priorities and standards. Assists the City Manager as he/she provides managerial and operational oversight to the Community Development Director, Engineering Director, and Public Works Director according to city code;

assists the City Manager in the recommendation of hiring of all non-exempt and most exempt city positions, assists the City Manager to make recommendations for department head appointments to the appropriate authority.

Assists in the preparation and administration of the city's budget; assists in the submission of budget and capital improvement programs to the Mayor, department heads and council; assists in overseeing the fiscal activity of the city to assure compliance with established budgets; assists in the development of fiscal management strategies to optimize available revenue sources; competes for and secures supplemental funding through grants; promotes economic development to increase city revenue.

Assists in the direction of city operations through department directors; monitors program success to recommend continuance or discontinuance; assists the City Manager as he/she coordinates with department heads to implement change in city policy and processes; assists the City Manager as he/she apprises Mayor and City Council members of emergencies.

Attends all meetings of the city council, planning commission, and the appeal authority, and takes part in the discussions of these meetings as appropriate, but without the right to vote; requests legal responses and positions from city attorney. Represents the city as directed by the City Manager or at the direction of Mayor or governing body; serves as the City's primary Public Information Officer in the absence of the City Manager; assists the City Manager in developing the state-of-the-city reports and presents them to the governing body.

Assists in the general supervision over public property under the jurisdiction of the city.

Performs related duties as required.

#### MINIMUM QUALIFICATIONS

1. Education and Experience:

- A. Graduation from an accredited college with a master's degree in public administration; business or a closely related field; AND
- B. Four (4) years of progressively responsible experience in municipal management; OR
- C. An equivalent combination of education and experience.

2. Knowledge, Skills, and Abilities:

**Working knowledge** of management theory, methods, and practices; municipal and fiscal accounting principles, practices and procedures; municipal organizations and department operations including applicable laws and regulations; generally accepted accounting principles (GAAP), the Uniform Municipal Fiscal Procedures Act; budgeting, accounting and related statistical procedures; various revenue sources available to local governments including state and federal sources; local investment options and opportunities; laws governing records retention, archiving, management and access (GRAMA).

**Skill in** interpersonal relations and cooperative problem solving.

**Ability to** analyze a variety of financial problems and make decisions; coordinate a variety of intra-governmental policy matters between governing body and department heads;

plan, organize, direct and supervise the work of professional and administrative subordinates; communicate effectively verbally and in writing, resolve disputes and complaints from the public in professional manner, maintain strict confidentiality related to sensitive administrative information; operate personal computer (WINDOWS) in utilizing various programs to produce or compose formal documents, reports and records; establish and maintain comprehensive records and files; establish and maintain effective working relationships with the Mayor, City Council, department directors, department heads, intergovernmental agencies, employees and the public.

3. Special Qualifications:

Must be bondable. Must possess a valid driver's license. Must pass a pre-employment background check and drug screen.

4. Work Environment:

Incumbent of the position performs in a typical office setting. Tasks require variety of physical activities, not generally involving muscular strain, such as walking, standing, stooping, sitting and reaching. Continuous talking, hearing and seeing required in the normal course of performing the job. Common eye, hand, finger dexterity required to perform essential functions. Mental application utilizes memory for details, verbal instructions, emotional stability, discriminating thinking and creative problem solving. Periodic travel required in normal course of job performance.

## Exhibit B – City Engineer Job Description



### Job Description

<b>Title:</b>	City Engineer	<b>Code:</b>	100
<b>Division:</b>	Community Development	<b>Effective Date:</b>	01/14
<b>Department:</b>	Engineer	<b>Last Revised:</b>	01/14

#### GENERAL PURPOSE

Performs a variety of **professional, administrative and supervisory** duties related to planning, organizing, directing and controlling the design, development and construction of city infrastructure and facilities. Directs project monitoring to insure compliance with adopted standards and ordinances.

#### SUPERVISION RECEIVED

Works under the broad policy guidance and direction of the Assistant City Manager over Community Development.

#### SUPERVISION EXERCISED

Provides general guidance and supervision to division personnel.

#### ESSENTIAL FUNCTIONS & DUTIES

Must effectively communicate, with or without reasonable accommodation, with City personnel and members of the public.

Must be a registered professional engineer under Utah Code Ann. Title 58, Chapter 22, Professional Engineers and Professional Land Surveyors Licensing Act.

Must comply with the requirements for City Engineers as set forth in Utah Code Ann. §§ 10-3-903 through 10-3-907, as the same may be amended from time to time.

Plans, organizes and directs operations and activities such as project design, management and construction administration related to culinary water, secondary water, waste water, storm drain, streets, curbs and gutters, traffic engineering and other infrastructure projects affected by private development and city capital improvement projects; establishes and recommends project priorities; prepares engineering reviews and reports for proposed projects and developments; oversees long range strategies for public works development; reviews and approves water right acquisitions, offers court testimony.

Performs feasibility analysis, engineering and construction surveys; manages the development and implementation of the city's Impact Fee Facilities Plans and Capital Improvement Plans

consistent with city master or general plan guidelines and specifications; assures all projects and programs comply with established State regulations, city ordinance and generally accepted engineering standards.

Serves as engineering liaison and advisor to various boards and commissions; provides feedback on issues affecting city engineering liability and responsibility; prepares or directs the preparation of various reports, projections, and evaluations as required; consults and advises Public Works Director, Assistant City Manager, Community Development Director, Mayor and City Council on improvements or problems related to utilities, annexations, water rights, new developments, and city property; assists management in developing City ordinances, policies, and resolutions pertaining to City standard specifications and drawings.

Conducts Development Review Committee and pre-project meetings with developers, contractors, architects, etc., as needed to inform and educate regarding city standards and project expectations; assesses proposals and determines feasibility in relation to city general plan; makes recommendations.

Oversees and monitors progress of department and contract projects; provides quality assurance review of various stages of project completion; communicates with various agencies before and during projects to insure satisfactory completion; initiates corrective action and change orders as needed to maintain established agency standards.

Prepares and administers the engineering/facilities planning budget; devises and implements new programs, recommendations and goals; verifies all costs incurred by the division; monitors fiscal activity to insure conformity with established budget constraints and reporting procedures; performs grant writing and grant administration duties as needed.

Supervises division personnel; establishes division policy and rules; informs personnel of new procedures and policy changes, establishes standards for performance within the division; responsible for evaluating employee performance; disciplines as necessary; organizes and conducts division meetings.

Establishes standards and criteria for selection of engineering consultants; prepares bid documents; negotiates contracts; monitors consultant work to assure compliance with standards and contract specifications; insures timely completion; coordinates inspections for engineering division projects; prepares contract documents, specifications, change orders, bid tabulations, cost estimates, and other work involved in contractual construction work.

Prepares drawings, plans, specifications, and estimates for municipal infrastructure projects; reviews project design, plans and specifications; approves engineered plans and specifications for public improvements, subdivisions and planned business development; determines plan compliance with codes and standards; provides professional engineers stamp for in-house design projects and incurs personal professional liability per Utah Code; approves all city plats for conformity with survey requirements, city code, and Utah Code; computes quantity estimates and summaries for bid items for construction projects; estimates costs of future construction projects for planning and budget.

Assures all ordinances, resolutions and orders of the City Council relating to engineering projects are carried into effect; performs work in coordination with federal, state, and county agencies related to various infrastructure projects as may be required to meet applicable laws, codes, standards, and grant obligations.

Provides direction and oversees survey efforts as needed to manage survey needs for city projects; provides oversight to other survey works within the city limits; prepares maps, plans and profiles, detail drawings and creates maps transposed from survey field notes both manually and by computer; makes calculations, sets lines and grades for infrastructure construction and coordinates the actual construction and supervision; updates and maintains city master maps; may perform survey field work utilizing GIS/GPS instruments.

Performs related duties as required.