

CITY OF CRETE, NEBRASKA
CITY COUNCIL REGULAR MEETING

March 3, 2020

Notice of the meeting was given by posting and publishing in The Crete News, the appointed method for giving notice as shown by the Proof of Publication attached to the minutes. Advance notice of the meeting was also given to the Mayor and City Council. Pursuant to Section 84-1412(8) of the Nebraska Open Meetings Act, the City has posted a current copy of the Open Meetings Act, Laws of the State of Nebraska in the back of the Council Chambers. Additional copies are available to read. The City may consider items listed on the agenda in random order. All proceedings shown were taken while the meeting was open to the attendance of the public.

Those in attendance pledged allegiance to the flag.

1. Open Meeting
2. In accordance with Nebraska law, a copy of the Open Meetings Act can be found in the back of the council chambers. Items listed on the agenda may be considered in any order.

Committee Chair Jack Oelschlager called the meeting to order at 5:23pm.

3. Roll Call
4. Attendance of Committee members will be recorded to determine the presence of a quorum for official actions.

Ryan Hinz: Present

Jack

Oelschlager: Present

Dale Strehle: Present

Present: 3.

Also present: City Administrator Tom Ourada, City Clerk Judi Meyer, Finance Director Jerry Wilcox, City Attorney Kyle Manley, Building Inspector Brad Bailey, Mayor Dave Bauer, other City Council Members, members of the public.

5. Items of Business

6. The Committee may take action to hear testimony in favor of or in opposition to, discuss/limit discussion and take action to approve or disapprove a recommendation to the City Council on any matter presented under this title.

A. Review and discuss Ordinance 2102: An Ordinance relating to animal regulations that restricts the number of dogs and cats that may reside in a household.

Table consideration of Ordinance 2102 to the March 17, 2020 meeting pending further information.
Carried with a motion by Ryan Hinz and a second by Dale Strehle.
Ryan Hinz: Aye, Jack Oelschlager: Aye, Dale Strehle: Aye
Aye: 3, No: 0

B. Review and discuss the specifications on a Tanker-Pumper for the Crete Fire Department.

Accept the Tanker-Pumper specifications and recommend City Council approve requesting engineering estimates. Carried with a motion by Dale Strehle and a second by Ryan Hinz.
Ryan Hinz: Aye, Jack Oelschlager: Aye, Dale Strehle: Aye
Aye: 3, No: 0

C. Discuss and provide a recommendation to the City Council on authorizing the Chief of Police to enter into a Memorandum of Understanding with the Nebraska State Patrol regarding internet crimes against children.

Recommend City Council approve the Memorandum of Understanding with the Nebraska State Patrol.
Carried with a motion by Ryan Hinz and a second by Dale Strehle.
Ryan Hinz: Aye, Jack Oelschlager: Aye, Dale Strehle: Aye
Aye: 3, No: 0

D. Discuss and provide a recommendation to the City Council on entering into a long-term agreement with Crete Area Medical Center wherein the Crete Fire Department will provide supplementary ALS and transfer services.

Table Tiered Response Agreement to the March 17, 2020 meeting for further consideration. Carried with a motion by Ryan Hinz and a second by Dale Strehle.
Ryan Hinz: Aye, Jack Oelschlager: Aye, Dale Strehle: Aye
Aye: 3, No: 0

- E. Discuss and provide a recommendation to the City Council regarding Saline County Extension's request for prohibited animal exceptions.

Table Saline County Extension request for prohibited animal exception to the March 17, 2020 meeting for further consideration. Carried with a motion by Ryan Hinz and a second by Dale Strehle.

Ryan Hinz: Aye, Jack Oelschlager: Aye, Dale Strehle: Aye
Aye: 3, No: 0

- F. Discuss and provide a recommendation to the City Council regarding Saline County Ag Society's request for a parade on July 18, 2020 and associated street closings.

Event Date: July 18, 2020

Time: 10:00am

Closings Requested: 9th St - Boswell to Main

Main - 9th to 12th

12th - Main to Quince

Quince - 12th to 13th and crossing Hwy 33
to Tuxedo Park

Table the Saline County Ag Society's request for a parade on July 18, 2020. Carried with a motion by Ryan Hinz and a second by Kyle Frans.

Brian Carnes: Aye, Kyle Frans: Aye, Ryan Hinz: Aye, Jack Oelschlager: Aye, Travis Sears: Aye, Dale Strehle: Aye

Aye: 6, No: 0

Table Saline County Ag Society's request for a parade on July 18, 2020 to the March 17, 2020 meeting for further consideration. Carried with a motion by Ryan Hinz and a second by Dale Strehle.

Ryan Hinz: Aye, Jack Oelschlager: Aye, Dale Strehle: Aye

Aye: 3, No: 0

7. Officers' Reports

8. Reports may be given by Department Heads, other Committees and Council members concerning current operations of the City. Questions may be asked and answered. No action can be taken by the Committee on matters presented under this title except to answer any question posed and to refer the matter for further action.

9. Adjournment

10. The City Council Committee will review the above matters and take such actions as they deem appropriate. The Committee may enter into closed session to discuss any matter on this agenda when

it is determined by the Committee that it is clearly necessary for protection of the public interest or the prevention of needless injury to the reputation of an individual and if such an individual has not requested a public meeting, or as otherwise allowed by law. Any closed session shall be limited to the subject matter for which the closed session was called. If the motion to close passes, then the presiding officer immediately prior to the closed session shall restate on the record the limitation of the subject matter of the closed session. The City of Crete assures that no person shall on the grounds of race, color, national origin, age, disability, handicap or sex, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity of the City receiving Federal financial assistance. To report discrimination, contact the City Clerk's office.

The meeting was adjourned at 5:51pm.



CITY OF CRETE
APPLICATION FOR SPECIAL EVENT
Crete City Code §

Date of Event 7/18/2020

Start Time of Event 10am

Finish Time of Event

Location of Event Downtown Crete

Empty lines for additional location information

This request is for temporary occupation of the street or sidewalk right-of-way.

Streets or Alleys requesting to be closed

9th Street Boswell to Main St. then Main from 9th-12th then 12th from main to Quince from 12th-13th

Special Equipment 12/13 to Tuxedo

Organization Saline Co. Ag Society

Responsible Party Janina Bakker

Address 1315 Iris Ave

Phone 402-826-9741

Signature of Responsible Party (Handwritten signature)

DO NOT WRITE IN THIS SPACE
Application #
Public Works Review
Emergency Services Review
Council Meeting Date
Approved
Denied
Bond Required
Bond Amount
Insurance Certificate Required
Bond/Cert Received
Conditions listed on back

MEMORANDUM OF UNDERSTANDING

Between

**Nebraska State Patrol
INTERNET CRIMES AGAINST CHILDREN TASK FORCE**

And

Crete, Nebraska Police Department

I. PARTIES

This Memorandum of Understanding (MOU) is entered into by the Nebraska State Patrol (NSP) and the Crete Police Department.

II. BACKGROUND

The NSP is the recipient of a United States Department of Justice, Office of Juvenile Justice and Delinquency Prevention (OJJDP) grant to enforce laws regarding Internet Crimes Against Children (ICAC), and the NSP utilizes this grant to administer and operate the ICAC Task Force.

The OJJDP has created the ICAC Task Force Program, which is a national network of state and local law enforcement cybercrime units. The national ICAC program assists state and local law enforcement agencies develop an effective response to cyber enticement and child pornography cases. This help encompasses investigative and forensic components, training and technical assistance, victim services, and community education. Due in large part to the technological aspects of these cases, the ICAC Task Force Program promotes a multi-jurisdictional, multi-agency, team approach to investigating and prosecuting ICAC cases.

The mission of the Nebraska State Patrol ICAC Task Force therefore is to: (1) properly investigate and prosecute those who sexually exploit children through the use of the Internet and/or technology; (2) provide training and equipment to those involved in investigating and prosecuting ICAC; and (3) provide community education regarding the prevention of ICAC.

III. PURPOSE

The purpose of this MOU is to delineate the responsibilities and expectations of the Crete Police Department and the NSP, and to formalize their working relationship in the Nebraska State Patrol ICAC Task Force. By signing this MOU, the Crete Police Department agrees to join the ICAC Task Force for the primary purpose of vigorously and properly investigating ICAC. By joining this Task Force, the Crete Police Department may benefit from grant resources, joint operations, and training opportunities. By entering into this MOU, the Nebraska State Patrol ICAC Task Force will benefit from the investigative support from the Crete Police Department.

IV. INVESTIGATIONS

All ICAC investigations will be conducted in a spirit of cooperation with other Nebraska State Patrol ICAC Task Force members. Investigations will follow guidelines established by each agency's respective policy manual or guidelines. However, ICAC investigations shall also be governed by the national ICAC Program's Operational and Investigative Standards (attached). Violation of the ICAC operational standards is cause for cancellation of this MOU. This MOU is not intended to infringe on the ongoing investigations of any other agency. It is agreed that unilateral acts on the part of employees involved in Task Force investigations are not in the best interest of the Task Force.

A. Crete Police Department Responsibilities:

The Crete Police Department will:

1. Allow only sworn law enforcement personnel to conduct undercover ICAC investigations. Each Investigator involved with undercover operations must receive ICAC training prior to initiating proactive investigations and shall submit reports of all undercover activity to the NSP.
2. Conduct reactive investigations where subjects are located within the Crete Police Department's jurisdiction, including investigations of child pornography, CyberTip referrals from the National Center for Missing and Exploited Children, Electronic Service Providers, and law enforcement referrals, and other ICAC-related investigations. Additional case initiations may develop from subject interviews, documented public sources, direct observations of suspicious behavior, and public complaints.
3. Record and document all undercover online activity. Any deviations from this policy due to unusual circumstances shall be documented in the relevant case file and reviewed by the ICAC Task Force Commander.

4. Provide agents assigned to the Task Force access to all ICAC investigative files including, without limitation, computer records, in order to ensure compliance with all national ICAC standards.
5. Locate its ICAC Investigators in secured space provided by the Crete Police Department with controlled access to all equipment, software, and investigative files. At a minimum, information should be maintained in locked cabinets and under control of the Crete Police Department ICAC Task Force personnel, with restricted access to authorized personnel only.
6. Conduct education and prevention programs to foster awareness and provide practical, relevant guidance to children, parents, educators, the business and law enforcement communities, and other individuals concerned about Internet child safety issues. Presenters shall not discuss ongoing investigative techniques and undercover operations utilized by the ICAC Task Force.

V. SUPERVISION

The Crete Police Department will be responsible for the day-to-day operational supervision, administrative control, and personal and professional conduct of its officers and agents assigned to the Task Force. ICAC investigations are a cooperative effort and investigative decisions will be a joint process guided by ICAC standards.

VI. JURISDICTION

The principal sites of task force activity will be within the jurisdictional areas of the respective member law enforcement agencies. Nothing in this agreement shall otherwise limit or enhance the jurisdiction and powers normally possessed by a Crete Police Department employee as a member of the Crete Police Department.

VII. EVIDENCE

Seized evidence and any other related forfeiture will be handled in a manner consistent with the seizing law enforcement agencies policies.

VIII. LIABILITY

The Crete Police Department is responsible and liable for the acts and omissions of its own officers, agents or employees in connection with the performance of their official duties under this MOU. For tort liability purposes, no participating agency shall be considered the agent of other participating agencies. Each participating agency shall be liable (if at all) only for the torts of its own officers, agents or employees that occur within the scope of their official duties.

IX. REPORTING STATISTICS

Using the method prescribed by the NSP, the Crete Police Department will submit monthly statistics to the Task Force on all ICAC investigations or other investigative work pertaining to the sexual exploitation of children via the Internet and/or technology. These statistics shall be submitted in the appropriate format by the 5th day of each month, and shall include data on all related investigations opened or closed during the month, as well as forensic examinations, technical/investigative assistance provided to other agencies, subpoenas and court orders issued, training hours attended and taught, and community outreach provided.

In addition, a breakdown of basic case data shall be included for each sexual exploitation of a minor (child pornography) case, and/or criminal solicitation of a minor (enticement/traveler) case investigated by the Crete Police Department. The NSP will then be responsible for all required reporting to OJJDP.

X. TRAINING

The Crete Police Department shall make Investigators designated as Task Force members available for applicable specialized training provided through the national ICAC program and other appropriate training programs. The NSP will review training requests and provide funding for ICAC-approved training when appropriate.

XI. TOOL ACCESS

All affiliates of the Nebraska State Patrol ICAC Task Force shall have access to the software tools and databases provided by the national ICAC program. These include suspect/case deconfliction and Internet undercover tools.

XII. CONFIDENTIALITY

It is understood that any confidential information pertaining to investigations of Internet Crimes Against Children will be held in the strictest confidence, and will only be shared with participating Nebraska ICAC Task Force members or other law enforcement agencies if necessary, or as otherwise permitted by federal and/or state law.

XIII. EFFECTIVE DATE

This agreement shall be effective on April 1, 2020 and continue until such time as federal funding for the grant ends or the agreement is canceled by either party upon written notice delivered to both agency directors.

Entered into this 3rd day of March, 2020.

Chief of Police Steve Hensel
City of Crete, Nebraska

Colonel John Bolduc
Superintendent of Law Enforcement and Public Safety Nebraska State Patrol

ORDINANCE NO. 2102

AN ORDINANCE OF THE CITY OF CRETE, NEBRASKA RELATING TO ANIMAL REGULATIONS; TO ENACT A NEW SECTION TO CHAPTER 6, ARTICLE 1 THAT RESTRICTS THE NUMBER OF ANIMALS THAT MAY RESIDE IN A HOUSEHOLD; AND TO REORGANIZE SECTIONS.

BE IT ORDAINED BY THE MAYOR AND CITY COUNCIL OF THE CITY OF CRETE, NEBRASKA:

Section 1. That the existing Chapter 6, Article 1, Section 6-120 of the Crete City Code shall be renumbered and recodified as Chapter 6, Article 1, Section 6-121 of the Crete City Code.

Section 2. That the existing Chapter 6, Article 1, Section 6-121 of the Crete City Code shall be renumbered and recodified as Chapter 6, Article 1, Section 6-122 of the Crete City Code.

Section 3. That the existing Chapter 6, Article 1, Section 6-122 of the Crete City Code shall be renumbered and recodified as Chapter 6, Article 1, Section 6-123 of the Crete City Code.

Section 4. That a new Chapter 6, Article 1, Section 6-120 of the Crete City Code shall hereby be enacted to read as follows:

§6-120 ANIMALS; RESTRICTIONS ON MULTI-PET HOUSEHOLDS.

- (1) It shall be unlawful for any person to have or maintain property within the corporate limits of the City of Crete where more than three domestic dogs over six months of age are owned, kept, or harbored.
- (2) It shall be unlawful for any person to have or maintain property within the corporate limits of the City of Crete where more than five domestic cats over six months of age are owned, kept, or harbored.
- (3) This section shall not apply to any commercial pet store, Humane Society, or reputable, non-profit animal shelter or rescue that has obtained a permit from the Animal Control Authority or to any animal hospital operated by a veterinarian duly licensed under the laws of the State of Nebraska.
- (4) Any person who violates this section shall be guilty of a Class IV misdemeanor.
 - (a) In addition to the usual judgment of conviction, the county judge may declare such violation a public nuisance, order the person to abate said nuisance forthwith, and, in the event the person shall fail to do so, order the Animal Control Authority to remove, impound, and dispose of the animals so owned, kept, or harbored in violation of this section. The cost of such removal, impoundment, and disposal shall be borne by the convicted person.
 - (b) Each day that a violation of this section continues shall constitute a separate and distinct offense and shall be punishable as such. The penalties herein provided shall be cumulative and in addition to any other penalty or forfeiture provided by law.

Section 5. That the above sections shall be codified as part of the Crete City Code as stated herein.

Section 6. That all ordinances and parts of ordinances in conflict herewith are hereby repealed.

Section 7. That this ordinance shall be published in pamphlet or book form and shall take effect and be in full force and effect from and after its passage, approval, and publication, as provided by law.

PASSED AND ENACTED this 4th day of February 2020.

Mayor

ATTEST:

City Clerk



CITY OF CRETE
APPLICATION FOR PROHIBITED ANIMAL EXCEPTION
 Crete City Code §6-102 and §6-104 (attached)

Date of Event See Attached

Start Time of Event _____

Finish Time of Event _____

Event Location Tuxedo Park/Saline County Fairground

Crete Intermediate School, and St. James Parochial

Description of Event Including List of Animals – Include Number
 and Type See Attached

Special Equipment _____

Organization University of Nebraska Saline County Extension

Responsible Party Eric Stehlik, 4-H Associate

Address P.O. Box 978, Wilber, NE 68465

Phone (402) 821-2151 (402) 946-2099 Cell _____



 Signature of Responsible Party

2-21-2020

 Date

DO NOT WRITE IN THIS SPACE
Application # _____
City Admin. Review _____
Emergency Services Review _____
Council Meeting Date _____
Approved _____
Denied _____
Bond Required _____
Bond Amount _____
Insurance Certificate Required _____
Bond/Cert Received _____
Conditions listed on back

ATTACHMENTS:

- Copy of current vaccinations
- Copy of Insurance
- Required Permits, as Applicable

University of Nebraska Extension in Saline County Livestock Events at Tuxedo Park

Appendix

Date	Event	Species	#	Description	Time
March 9-13	Embryology (Intermediate School)	Poultry	60	Chicks hatched from the Embryology unit of study	24 hrs./day
March 28	Livestock Judging Contest	Bovine, Ovine, Caprine	24	Evaluating the animals for learning and competition	7 a.m. - 2 p.m.
April 5 or 12	Lottery Pig Selection	Swine	50	Selection of project animals for 4-H or FFA	12:30- 3 p.m.
April 27-May 1	Embryology (St. James School)	Poultry	12	Chicks hatched from the Embryology unit of study	24 hrs./day
May 7	Ag Festival	Bovine, Ovine, Swine, Poultry	12	Displayed during educational sessions	8 a.m. - 3 p.m.
May 27	4-H Identification Completion	Ovine, Caprine, Swine	50	Identify and tag 4-H and FFA project animals	4 - 7:30 p.m.
TBA	Horsemanship Clinic	Equine	15	Educational seminar with youth riding their project animals	
June 13	51st Progress Show	Ovine, Caprine	100	Learning and showing event for youth in preparation for county fairs	3- 10 p.m.
June 20	Showmanship Clinic	Bovine, Ovine, Caprine, Swine, Poultry, Rabbit	30	Learning and showing event for youth in preparation for county fairs	8 a.m. - 3 p.m.
July 15-19	County Fair	Equine, Bovine, Ovine, Caprine, Swine, Poultry, Rabbit	400		
July 26	Horse Show Raindate	Equine	30	Alternative date for County Fair Horse show incase conditions are wet and unsafe for youth riders.	8 a.m. - 10 p.m.

CITY OF CRETE
CRETE, NEBRASKA

Bidder
Complies

Yes

No

TANKER-PUMPER FIRE APPARATUS

NFPA 1901 COMPLIANCE

The NFPA 1901 "Standard for Automotive Fire Apparatus, 2016 Edition" Chapter 7-Mobile Water Supply, and any other applicable chapters, are hereby adopted and made a part of these specifications, the same as if it were written out in full detail, with the exception of the section dealing with "Equipment Recommended for Various Types of Apparatus". Bidders shall provide the equipment requested herein and the buyer shall supply the rest before the apparatus is put into service.

The proposed apparatus as described in this specification document and all related material with the bid package shall meet or exceed all applicable sections for the category of apparatus as defined by NFPA 1901 newest edition, unless specifically noted within this specification or other official documents associated with this bid.

Should any area, section or portion of the apparatus not meet the intent and applicable requirements, a clearly defined listing or explanation of what and why compliance was not achieved shall be provided to the purchaser at the time of delivery.

NFPA STATEMENT OF EXCEPTIONS

The proposed apparatus as described in this specification document does not meet the intent and applicable requirements based on the specified edition of NFPA in the following areas:

The required "Minor Equipment" as stated in the newest edition of NFPA 1901, sections 7.9 shall be the responsibility of the purchaser unless otherwise specified in these specifications.

DRAWINGS

A detailed drawing that represents the apparatus as described herein shall be provided with these specifications. Generic layouts or drawings of similar apparatus shall not be acceptable.

VEHICLE STABILITY

The apparatus shall be equipped with an Electronic Stability Control system provided by the chassis manufacturer as required by NFPA section 4.13.1.2

**CITY OF CRETE
CRETE, NEBRASKA**

**Bidder
Complies**

Yes No

HIGHWAY PERFORMANCE

The apparatus shall be tested at its estimated in-service weight to verify the NFPA 4.15.1 Highway Performance Test and 4.17 General Pre-Delivery Tests are met for the apparatus prior to delivery.

TIRE PRESSURE INDICATING VALVE CAPS

The apparatus shall be equipped with a visual indicator on each tire to warn the operator when tire pressure needs to be checked.

VALVE STEM EXTENSIONS

The rear wheels shall have a Phoenix Air Max valve stem extension kit installed on the inner and outer wheels. This will allow for checking tire pressure and filling tires without the need to climb under the apparatus.

CHROME CENTERS & NUT COVERS

There shall be chrome centers and nut covers supplied and installed on all wheels.

PERMANENT FLUID PLATE

A permanent plate shall be affixed to the completed apparatus specifying the quantity and type of the following fluids that may be used in the apparatus for normal maintenance. Where a fluid is not applicable to the unit, the plate shall be marked N/A to inform a service technician who may not be familiar with the apparatus.

APPARATUS FLUIDS

Engine Oil Pump Transmission Lubrication Fluid
 Engine Coolant Pump Primer Fluid
 Transmission Fluid Air Compressor System Lubricant
 Drive Axle Lubrication Fluid Generator System Lubricant
 Transfer Case Fluid Front Tire Cold Pressure
 Power Steering Fluid Rear Tire Cold Pressure
 Air Conditioning Refrigerant Other:
 Air Conditioning Lubrication Oil Misc:
 ** Sample Label for Reference Only.

**CITY OF CRETE
CRETE, NEBRASKA**

**Bidder
Complies**

Yes

No

A sign shall be affixed in the chassis cab, in plain sight of the driver, that states the maximum number of personnel, and the overall travel length and height of the apparatus.

A sign that reads "OCCUPANTS MUST BE SEATED AND BELTED WHEN APPARATUS IS IN MOTION" and "DO NOT WEAR HELMET WHILE SEATED" shall be visible from each seated position.

Any other appropriate label(s) shall be affixed in noticeable locations to ensure the safe operation of the apparatus.

MAXIMUM SPEED REQUIREMENT

The maximum top speed shall not exceed 60 MPH or the tire manufacturer's maximum fire service speed rating, whichever is lower on vehicles with a gross vehicle weight rating (GVWR) over 50,000 lbs. or a combined water/foam capacity over 1,250 gallons.

CHASSIS

The chassis shall be a Freightliner commercial chassis.

At time of delivery at the factory the chassis shall be full of fuel and DEF (urea) and all fluid levels checked.

The chassis shall be a M2 106 regular cab.

CLEAN & DETAIL APPARATUS

At time of delivery at the factory the completed apparatus shall be cleaned and detailed both inside and out.

CHASSIS SEAT BELTS

The chassis shall have bright red or bright orange seat belts as required by NFPA. This option shall be provided by the chassis manufacturer.

VEHICLE DATA RECORDER (VDR)

The chassis shall be equipped with a Vehicle Data Recorder (VDR) which shall be provided and installed by the chassis manufacturer.

**CITY OF CRETE
CRETE, NEBRASKA**

**Bidder
Complies**

Yes

No

CHASSIS ENGINE WORK LIGHT

One (1) work light shall be located in the chassis engine compartment. The work light shall be provided and installed by Freightliner as a chassis option.

BATTERY CHARGER

There shall be a Kussmaul Auto Charge 1000 model 091-215-12, 15 amp battery charger and 3 amp Battery Saver installed on the apparatus. The Auto Charge 1000 is a compact microprocessor controlled automatic single channel battery charger and battery conditioner with parasitic load compensation.

The Battery Saver component shall eliminate drain on the vehicle's battery system when the vehicle is not in use. This system shall automatically disconnect auxiliary vehicle loads from the battery when the charger is energized.

The Parasitic Load Compensation feature is designed to prevent flash lights, gas detectors, and other items from tricking the charger into over charging the batteries. This will lead to longer battery life with no overcharging or overheating.

The charger shall have the following operational specifications:

- Input: 120 volt AC at 3.5 amps max
- Output: 12 volt DC at 15 amps
- Battery Saver: 3 amps 13 volt DC
- "AC Power Applied" indicator light on front panel

The battery charger shall supply a 'single battery bank' with automatic operation and with an aluminum enclosure. There shall be a built-in sense circuit to check the battery voltage 120 times a second; the system shall compensate for voltage drop in charging wires and provide quick recharging with no over- charging.

The battery charger shall have a 3 year warranty.

SUPER AUTO EJECT SHORELINE RECEPTACLE

A flush mount Kussmaul model 091-55-20-120 Super Auto Eject 120-volt shoreline receptacle shall be installed on the left side of the apparatus and connected to the charging system.

When the vehicle is started the shoreline shall automatically eject to prevent the vehicle from being driven away with the line connected.

**CITY OF CRETE
CRETE, NEBRASKA**

**Bidder
Complies**

Yes

No

DELUXE COVER WITH INDICATOR DISPLAY

The Super Auto Eject shall be supplied with a Deluxe cover that incorporates a bar graph indicator display along with a weatherproof cover. The Deluxe cover shall have a single green "Power On" light and a 10 bar red LED graph to display the charge level of the batteries.

The color of the Deluxe cover shall be YELLOW unless otherwise specified.

An industrial grade 120-volt connector designed to function with the auto eject shall be provided.

AUTO PUMP AIR COMPRESSOR SYSTEM

A Kussmaul model 091-9B-1 Auto Pump air compressor system shall be provided and installed on the apparatus. This system consists of a 120 volt 60 Hz shaded pole A.C. motor operating a single cylinder air compressor designed specifically for installation on vehicles with air brakes.

The Auto Pump AC motor is directly coupled to the compressor section eliminating all belts and pulleys and assuring long life and reliable operation. A heavy duty pressure switch is adjusted to start the compressor when the system pressure drops below 75 PSI and stops the compressor when 95 PSI is attained. The start up pressure is field adjustable - the pressure differential between start up and stopping is fixed. A moisture trap permits draining of accumulated moisture in the Auto Pump output line.

The compressor system shall receive power from the 120-volt shoreline receptacle.

120 VOLT RECEPTACLE OUTLET BOX

Two (2) outlet box(s) shall be installed on the apparatus and wired in conjunction with the shoreline. Each outlet box shall consist of one (1) duplex outlet which has two (2) individual outlets.

The outlet box(s) location shall be as follows: L1 Compartment
R1 Compartment

OEM TWO TONE PAINTED CHASSIS CAB

The chassis cab shall be painted two-tone from the chassis manufacturer.

**CITY OF CRETE
CRETE, NEBRASKA**

**Bidder
Complies**

Yes

No

OEM CHASSIS RIMS

The wheel rims shall be as stated in the chassis specifications unless otherwise noted.

AIR HORNS

There shall be dual stutter tone air horns mounted one on each side of the chassis hood. The air horns shall be provided and installed by the specified chassis manufacturer.

FIRE EXTINGUISHER

One (1), 5 lb. ABC D.O.T approved fire extinguisher(s) with a vehicle mounting bracket shall be provided with the completed apparatus and shipped loose in the chassis cab.

ROAD SAFETY KIT

One (1), road safety kit(s) shall be provided with the completed apparatus. Each kit shall consist of three (3) D.O.T approved reflective triangles.

APPARATUS BODY

The apparatus body shall be approximately 220" long x 100" wide and designed to mount on a 150" cab to trunnion chassis.

BODY AND COMPARTMENT CONSTRUCTION

All major structural body supports and compartment floors shall be fabricated with 3/16" (.1875) alloy 3003 smooth aluminum sheets. The compartments shall have smooth aluminum vertical sides and a smooth aluminum sweep-out floor.

The compartments shall be made to the largest practical dimensions in order to provide maximum storage capacity.

NO EXCEPTIONS

**CITY OF CRETE
CRETE, NEBRASKA**

**Bidder
Complies**

Yes

No

LEFT SIDE TREADBRITE OVERLAY

There shall be a 1/8" aluminum embossed treadbrite overlay above the compartments on the left side of the apparatus. The overlay shall prevent damage to the paint while loading and unloading equipment that is mounted above the compartments.

There shall also be a 1/8" aluminum embossed treadbrite overlay on the rear side of the high side compartments.

GRAVEL SHIELD

There shall be a 1/8" aluminum treadbrite gravel shield attached to the front, outer edges of the apparatus body to protect the body from debris that may cause the paint to chip.

RUB RAILS

Aluminum rub rails 1-1/2" wide x 3/8" thick, to be furnished below the compartment doors, on both sides of the apparatus body. The rub rails to be spaced 3/4" from the body enabling shock absorbency and cleaning ease. Spacers shall be nylon, with counter sunk stainless steel bolt fasteners for easy replacement.

REAR FENDER WELLS

The rear fenders shall be built integral with the sides of the apparatus body. The fender wells shall be constructed of smooth, painted aluminum with a heavy-duty, extruded aluminum fenderette. A circular smooth aluminum inner wheel liner shall be furnished for each fender providing an easy to clean area. Sufficient clearance shall be provided to allow for the use of tire chains when the apparatus is fully loaded.

UNDERCARRIAGE STRUCTURE

The undercarriage structure shall be fabricated of steel and mig welded to form an integral structure. The carriage will support the tank, compartments, fenders and rear step. The steel tube cross members shall be 2" x 3" x 1/4" thick. The area between the body compartments shall have a 3" x 5" x 1/4" thick, steel angle, welded around the inside perimeter of the undercarriage to cradle and support the polypropylene tank and keep it from shifting, within the body. The side compartments and fenders shall be adequately bolted to the steel tube cross members of the undercarriage structure.

**CITY OF CRETE
CRETE, NEBRASKA**

**Bidder
Complies**

Yes

No

The complete undercarriage structure shall be hot dipped galvanized after its fabrication and construction. The undercarriage shall have a life time warranty for rust and corrosion.

There shall be a minimum of 1/4" rubber pad installed between the cradle and the bottom of the tank to prevent chafing.

MUDFLAPS

Two (2), mudflaps shall be supplied and mounted one on each side behind the rear wheels.

COMPARTMENT ROLL-UP DOORS

All roll-up type doors shall be ROM shutter type, with 34mm aluminum slats that roll onto a spool at the top of the compartment. Each slat has interlocking end shoes to prevent each slat from moving side-to-side and binding the door. Between every slat is a co-extrusion PVC & Rubber inner seal to prevent metal-to-metal contact, dirt and moisture from entering the compartment. This inner seal is hidden to provide a consistent image of the door.

Each individual roll-up door shall have a four inch diameter counterbalance operator drum to assist in lifting the door along with a two inch wide finger pull integrated as part of the bottom rail extrusion for easy one hand opening and closing. There shall be nylon end shoes on every slat to assure operation without constant lubrication.

The slats, track and trim shall have an anodized satin finish to eliminate oxidation and rusting. The door latch system shall be a full width one-piece non-locking lift bar operable by one hand.

COMPARTMENT VENTING

All body compartments shall be vented. The vents shall be mounted in a manner that will reduce the amount of dirt and water that may enter the compartment.

COMPARTMENT DRAIN HOLES

Each compartment shall have drain holes to allow standing water to exit the compartment underneath the apparatus.

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Yes No

COMPARTMENT LIGHTING

Each lighted compartment shall be lit with a rugged LED strip light; running vertically along the compartment door opening and activated by an automatic switch. This style of lighting shall provide uniform and consistent illumination throughout the compartment.

COMPARTMENT L1

There shall be one (1) compartment located ahead of the rear wheels with an approximate opening of 30" wide x 28" high and a lower usable depth of 26" with a roll-up door.

There shall be one (1) adjustable shelf(ves) located in the compartment. The shelf will be constructed of 1/8" aluminum treadbrite with a 2" lip at the front and rear of the shelf.

The shelf shall be mounted on strut channel to allow them to be adjusted in the compartment. There shall be matting installed in the adjustable shelf to provide traction and drainage should water enter the compartment.

There shall be one (1) roll out tray(s) located in the compartment. The roll-out tray shall be constructed of 3/16" smooth aluminum with a 3" lip around the perimeter of the tray. The tray shall be attached to a pair of heavy-duty lock-in/lock-out slides with a front trigger release and shall have a maximum capacity of 300 lbs.

There shall be matting installed in the roll-out tray to provide traction and drainage should water enter the compartment.

This compartment door opening shall be supplied with one (1) lighting strip.

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Yes No

HIGH SIDE COMPARTMENT L2

There shall be one (1) high side compartment located above the left side body with an approximate opening of 30" wide x 26" high and a usable depth of 13" with a roll-up door.

The roll-up door shall have one pull strap to assist in closing the door.

There shall be vertical struts located in the compartment for the future installation of shelves/trays. There shall be horizontal struts located in the compartment. There shall be PAC dual trac provided and mounted on the back wall to the horizontal struts in the compartment.

There shall be floor matting installed in the compartment to provide traction and drainage should water enter the compartment.

This compartment door opening shall be supplied with one (1) lighting strip.

COMPARTMENT R1

There shall be one (1) compartment located ahead of the rear wheels with an approximate opening of 50" wide x 28" high and a lower usable depth of 26". The door shall be a roll-up door.

There shall be one (1) adjustable shelf located in the compartment. The shelf(ves) will be constructed of 3/16" aluminum treadbrite with a 2" lip at the front and rear of the shelf.

The shelf shall be mounted on strut channel to allow them to be adjusted in the compartment.

There shall be matting installed in the adjustable shelf to provide traction and drainage should water enter the compartment.

There shall be floor matting installed in the compartment to provide traction and drainage should water enter the compartment.

This compartment door opening shall be supplied with one (1) lighting strip.

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Yes

No

HIGH SIDE COMPARTMENT R2

There shall be one (1) high side compartment located above the right side body; ahead of the folding tank rack, with an approximate opening of 30" wide x 26" high and a usable depth of 13" with a roll-up door.

The roll-up door shall have one pull strap to assist in closing the door. There shall be horizontal struts located in the compartment.

NOTE: Horizontal struts will be installed with a standard spacing unless otherwise notified by the customer.

Two (2), ZICO model LP-6-30-2-SF PHS walkaway spring clip bracket shall be supplied and mounted in the compartment.

NOTE: The department has MSA G1 4500psi 45 minute bottles.

There shall be floor matting installed in the compartment to provide traction and drainage should water enter the compartment.

This compartment door opening shall be supplied with one (1) lighting strip.

AIR BOTTLE STORAGE LEFT SIDE WHEEL WELL

Two (2), single air bottle storage tubes shall be installed in the rear wheel well area on the driver's side of the body. The tube shall be an aluminum 8" diameter tube with a protective insert to prevent damage to the cylinder. There shall be a drain hole in the rear of the tube and a safety strap installed to secure the cylinder inside the tube.

Two (2), Cast Products hinged access doors shall be provided to enclose the air bottle storage tubes.

NOTE: The maximum useable depth of the bottle storage is 25".

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Yes No

AIR BOTTLE STORAGE RIGHT SIDE WHEEL WELL

Two (2), single air bottle storage tubes shall be installed in the rear wheel well area on the passenger's side of the body. The tube shall be an aluminum 8" diameter tube with a protective insert to prevent damage to the cylinder. There shall be a drain hole in the rear of the tube and a safety strap installed to secure the cylinder inside the tube.

Two (2), Cast Products hinged access doors shall be provided to enclose the air bottle storage tubes.

NOTE: The maximum useable depth of the bottle storage is 25".

FIRE PUMP

The pump shall be a PTO driven, Hale MBP Side Kick 1,000 GPM single stage fire pump. The pump shall deliver the percentage of rated capacity at the pressures listed below:

Rated Capacity	Net Pump Pressure
100% @ 150 PSI	
70% @ 200 PSI	
50% @ 250 PSI	

This pump features all stainless steel plumbing and manifolds for maximum corrosion resistance, quick drop out for repairs. NFPA 1901 ratings exceed current ISO 8 & 9 ratings along with NWCG Tactical Tender and Type 3 requirements.

The pump shall be fully tested at the pump manufacturer's factory as outlined by the latest NFPA Standard 1901. Pump shall be free from objectionable pulsation and vibration. The entire pump shall be hydrostatically tested to a pressure of 600 PSI.

The pump shall be of a size and design to mount on commercial and custom truck chassis, and have a capacity of 1,000 GPM. The pump shall be driven by a transmission mounted or split drive line power take-off (PTO). The engine shall provide sufficient horsepower and RPM to enable pump to meet and exceed its rated performance.

The pump body and related parts shall be of fine grain alloy cast iron, with a minimum tensile strength of 30,000 PSI. All moving parts in contact with water shall be of high quality bronze or stainless steel. The pump body shall be vertically split, on a single plane, for easy removal of impeller assembly, including clearance rings.

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Yes

No

IMPELLER AND SHAFT

The pump shaft is to be rigidly supported by two bearings for minimum deflection. The bearings shall be heavy-duty, deep groove ball bearings in the gearbox and they shall be splash lubricated. The pump shaft shall have only one mechanical seal. The mechanical seal shall be spring loaded, maintenance free and self-adjusting.

GEAR BOX

The pump gearbox shall be of sufficient size to withstand 16,000 lb/ft of drive through torque on the engine system in pump operating conditions. The pump ratio shall be selected by the apparatus manufacturer to give maximum performance with the engine, transmission and power take-off selected.

RELIEF VALVE

There shall be one (1) suction side stainless steel relief valve provided on the pump system.

PUMP MODULE PANEL

The pump module panel shall be 14 gauge brushed stainless steel and designed to be hung below the left side apparatus body directly behind the chassis cab as a free standing panel on a simple frame with brackets.

PUMP COOLER and ENGINE COOLER VALVES

An engine cooler and pump cooler valve shall be installed in the instrument panel. The valves shall be a 1/4" multi-turn valve installed thru the instrument panel and labeled.

WIRING HARNESS

The Class 1 electrical wiring harness shall be manufactured using GXL wire as SAE-J1128 rated performance requirements.

The pump shall have a five (5) year warranty.

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Yes

No

ANODE PRO

The fire pump shall be equipped with replaceable anodes. These anodes shall be constructed with an alloy meeting MIL-A-24779. The pump shall have one (1) anode on each intake section and one (1) anode on the discharge section of the fire pump. The anodes shall have a central stainless steel core to prevent anode breakage that can lead to clogged nozzles.

Each anode shall have an internal probe that detects when it has worn to the point where the anode no longer provides adequate protection for the pump. The internal probe shall be connected to a monitoring box via a single wire and a sealed weatherpak connection. Each anode shall have an NPT thread to allow replacement and proper sealing and removal for replacement.

A monitor box shall be provided and mounted on the apparatus to indicate the status of the anodes. The monitor box itself shall have individual LEDs that monitor the anodes every 4-5 seconds and indicate the status on the box panel. A clearly labeled monitor panel shall have a separate LED indicator for each anode. The LEDs shall indicate green when the anode is still working and shall flash red when the individual anode needs replacement.

THERMAL RELIEF VALVE

A thermal protection device shall be included on the pump that monitors pump water temperature and opens to relieve water to cool the pump. The thermal protection device shall be set to relieve water when the temperature of the pump water exceeds 120° F (49° C). The components of the thermal protection device shall be manufactured of brass and stainless steel and be compatible with most foam concentrates. The thermal protection device shall have 1-1/4 inch NPT threads for easy adaptability to existing pump discharge openings. The discharge line shall be 3/8 inch diameter tubing vented to atmosphere. The thermal protection device shall have a hydrostatic test rating of 600 PSIG.

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Yes

No

APPARATUS PUMP SYSTEM CERTIFICATION

The pump shall be tested after the pump and all its associated piping and equipment have been installed on the fire apparatus by the apparatus manufacturer.

The testing shall include several tests as listed in the latest edition of NFPA Pamphlet 1901. The tests shall include, but not be limited to, the pumping test, pressure control systems, priming system, vacuum, gauge and flow meter, and water tank-to-pump flow.

A test label shall be provided to indicate the rated discharges and pressures together with the speed of the engine as determined by the certification and attached to the vehicle prior to shipping.

A third party certification of the pump test results shall be included with the delivery binder documentation.

MASTER PUMP DRAIN

The pump shall be equipped with a Class 1 master pump drain to allow draining of the lower pump cavities, volute and selected water carrying lines and accessories. The drain shall have an all brass body with a stainless steel return spring.

INDIVIDUAL DRAINS

All 2" or larger discharge outlets shall be equipped with a 3/4" drain valve or larger.

PUMP COOLER LINE

There shall be a Class 1 3/8" pump cooling/recirculating line connected from the discharge side of the pump directly into the water tank. The cooler line shall be controlled with a valve on the operators panel, and it shall be clearly labeled.

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Yes No

AUTOMATIC FIRE PUMP PRIMING SYSTEM

A Trident Model #31.003.5 automatic air operated priming system shall be installed. The unit shall be of all brass and stainless steel construction and designed for fire pumps of 1,000 GPM (3,750 LPM) or less. Due to corrosion exposure no aluminum or vanes shall be used in the primer design. The primer shall be two-barrel design with 3/4" NPT connection to the fire pump.

The primer shall be mounted above the pump impeller so that the priming line will automatically drain back to the pump. The primer shall also automatically drain when the panel control actuator is not in operation. The inlet side of the primer shall include a brass 'wye' type strainer with removable stainless steel fine mesh strainer to prevent entry of debris into the primer body.

The priming system shall be capable to a vertical lift to 22 inches of mercury and shall be fully compliant to applicable NFPA standards for vertical lift. The system shall create vacuum by using air from the chassis air brake system through a two-barrel multi-stage internal "venturi nozzles" within the primer body. The noise level during operation of the primer shall not exceed 75 Db.

The primer shall require a minimum of 13.2 cubic foot per minute air compressor and shall be capable of meeting drafting requirements at high idle engine speed. The air supply shall be from a chassis supplied 'protected' air storage tank with a pressure protection valve. The air supply line shall have a pressure protection valve set between 70 to 80 PSIG.

The 12 volt primer control shall be an "automatic" type, with a pump panel three-way switch to operate an air solenoid valve. The air valve shall direct air pressure from the air brake system to the primer. To prevent freezing, no water shall enter the primer valve control.

The automatic priming switch shall have three positions as follows:

- "Prime" – the lower position shall be a momentary "push to prime". The "Prime" position also allows the operator to "ramp" test the primer without the fire pump being engaged.
- "Off" -- center position
- "Auto-Prime" – in the upper position, a "green" LED pilot light shall be illuminated when the switch is the auto-prime position. The "Auto-Prime" operates automatically when the pump pressure drops below 20 PSIG. The primer shuts "off" automatically when the pump pressure is re-established and exceeds 20 PSIG. The "Auto" mode only operates when the fire pump is engaged.

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Yes

No

To reduce the electrical power requirements on the fire apparatus the priming system shall be air powered. The system shall not require annual tear-down and maintenance, an electric motor, lubrication, belt drive, or clutch assembly. The maximum current draw shall not exceed 0.5 amps during operation.

The primer shall be covered by a five (5) year parts warranty.

HOT SHIFT PTO CONNECTION

The pump shall be connected to the chassis transmission through a "Hot Shift", electrically engaged power-take-off system. The control to engage and disengage the power-take-off system shall be installed in the chassis cab.

NOTE: The apparatus shall be engineered for "pump & roll application" as well as "stationary use"

PUMP ENGINE RUNNING WARNING LIGHT

A green flashing LED hazardous warning light shall be mounted in the chassis cab. This light shall warn the operator that the pump is engaged.

The warning light shall be marked with a decal that states "DO NOT MOVE APPARATUS WHEN LIGHT IS ON".

DRIVELINE

The driveline between the PTO and the fire pump shall be tube type with heavy-duty universal joints.

HEAT EXCHANGER (Supplied with Chassis)

The chassis engine shall be supplied with a supplementary cooling system that uses water from the discharge side of the pump to cool the engine coolant through the use of a closed heat exchanger. This cooling system shall be controlled by a valve on the pump operator panel. The water from the pump and the engine coolant shall not be intermixed.

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Yes

No

35,000 BTU PUMP COMPARTMENT HEATER

There shall be a 35,000 BTU heater installed in the pump compartment. The heater shall have an electric fan controlled by a switch on the pump operator's panel. The heating coil shall be connected to the engine cooling circuit with valves located near the chassis engine in order to control the circulation of the engine coolant through the heater.

A pump compartment heater fan switch with indicator shall be located at the pump panel.

PUMP COMPARTMENT HEAT SHIELD

There shall be a heat pan with a slide-in bottom panel installed beneath the pump compartment to contain the engine heat and prevent freezing of valves and plumbing in cold weather. The slide-in panel shall be easily removable for warm weather operations.

LEFT SIDE OPERATOR PANEL

A control panel shall be mounted on the left side of the apparatus above the pump module panel. The panel shall be constructed of 3/16" smooth aluminum and painted.

This panel shall be hinged and latched so that it may be opened for maintenance. All instruments, gauges, and other equipment shall be installed with sufficient slack in any cabling, tubing, or plumbing to allow the panel to swivel to the fully open position.

The operators panel shall be illuminated with LED lighting and activated with a switch located on the operators panel and labeled 'Panel Light'.

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Yes

No

PRESSURE GOVERNOR

A Fire Research InControl series TGA400 pressure governor and monitoring display system shall be installed and mounted on the left side operators panel. The control module case shall be waterproof with inputs for monitored information.

The following continuous displays shall be provided:

Pump Discharge Pump Intake
 Pressure / RPM Setting Pressure & RPM Operating Mode
 Throttle Ready Engine RPM Check Engine & Stop Engine Oil Pressure
 Engine Coolant Temperature Transmission Temperature
 Battery Voltage

The dot-matrix message display shall show diagnostic and warning messages as they occur. It shall show monitored apparatus information, stored data, and program options when selected by the operator. All LED intensity shall be automatically adjusted for day and night time operation.

The program shall store the accumulated operating hours for the pump and engine to be displayed with the push of a button. It shall monitor inputs and support audible and visual warning alarms for the following conditions:

High Battery Voltage Low Battery Voltage (Engine Off)
 High Transmission Temperature Low Battery Voltage (Engine Running) Low Engine Oil Pressure High Engine Coolant Temperature
 Out of Water (visual alarm only) No Engine Response (visual alarm only)

There shall be a hand throttle control knob to adjust pressure and RPM settings.

The discharge pressure display shall show pressures from 0 to 600 psi. The intake pressure display shall show pressures from -30 in. Hg to 600 psi.

The governor shall operate in two control modes, pressure and RPM. A throttle ready LED shall light when the interlock signal is recognized. The governor shall start in pressure mode and set the engine RPM to idle. In pressure mode the governor shall automatically regulate the discharge pressure at the level set by the operator. In RPM mode the governor shall maintain the engine RPM at the level set by the operator except in the event of a discharge pressure increase. The governor shall limit a discharge pressure increase in RPM mode to a maximum of 30 psi. Other safety features shall include recognition of no water conditions with an automatic programmed response and a push button to return the engine to idle.

The pressure governor, monitoring and master pressure display shall be programmed to interface with a specific engine.

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Yes No

MASTER PUMP PRESSURE GAUGES

The master pump gauges shall be incorporated within the specified pressure governor system.

DISCHARGE PRESSURE GAUGES

Individual Class 1 line gauges for each 2" or larger discharge shall be supplied and mounted adjacent to the discharge valve control handle. The gauges shall indicate pressure from 0 to 400 PSI.

All pressure gauges for the water pumping system shall be Class 1 and shall be fully filled with pulse and vibration dampening Interlube to lubricate the internal mechanisms to prevent lens condensation and to ensure proper operation to minus 40 degrees F. The cases shall be temperature compensated with an internal breathing diaphragm to permit filled cases and to allow a rigid lens with a distortion free viewing area.

To prevent internal freezing and to keep contaminants from entering the gauge, the stem and Bourdon tube shall be filled with low temperature material and be sealed from the water system using an isolating Sub-Z diaphragm located in the stem. A bright metal bezel shall be supplied for resistance to corrosion and to protect the lens and case from damage.

PRESSURE / VACUUM TEST PORTS

Two (2) test plugs shall be mounted on the pump panel for testing of the vacuum and pressures.

PLUMBING

All the plumbing and/or piping shall be of 304 stainless steel and high pressure rubber hose.

All NPT pipe thread connections larger than 3/4" connections shall be avoided in the construction of the plumbing system. The following valves shall have groove connection: tank fill, all 2" and 2-1/2" pre-connect valves.

The high pressure rubber hose is designed to handle air, mild chemicals and water and is resistant to abrasion and UV protected.

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Yes

No

INLET AND DISCHARGE VALVES

All inlet and discharge valves, unless otherwise specified in the specifications shall be Akron valves. The valves shall be constructed of brass. The valves shall be bi-directional with full flow capability. The valves shall be of fixed pivot ball design with a flow pressure rating to meet NFPA-1901 standards. The valve shall have a single piece seat and seal design and shall have an operating pressure of 400 psi. All 3.0" (7.62cm) discharge valves shall be supplied with a true slow close mechanism.

VALVE CONTROLS

Locking push pull control rods shall be provided for appropriate valves. Chrome plated zinc handles shall have a recessed area for 1" x 3" (2.54 x 12.70cm) identification tags. The controls shall be locked in any position.

Valve lift handles shall be provided on appropriate valves. The lift handles shall have a recessed area for 1" x 3" (2.54 x 12.70cm) identification tags.

TANK TO PUMP

There shall be an Akron 3" (7.62cm) quarter turn ball type valve installed between the water tank and the pump.

The valve shall be actuated with an air cylinder. The valve shall be controlled with a switch at the pump panel.

TANK TO PUMP CHECK VALVE

There shall be a check valve between the pump suction and the water tank valve. The check valve shall eliminate back flow into the water tank when the pump is connected to a pressurized source.

TANK FILL

One (1) 2" Akron brass, full flow valve shall be plumbed to the tank. The valve shall be a quarter turn ball type and fixed pivot design to allow easy operation at all pump pressures.

The 2" valve outlet terminates with a 2" grooved connection. The valve shall be controlled at the operator's panel with a chrome-plated push/pull locking "T" handle mounted on the pump panel.

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Yes

No

LEFT SIDE AUXILIARY SUCTION

One (1) 2-1/2" intake with an Akron 2-1/2" brass, full flow valve shall be located on the left side panel. The valve shall be a quarter turn ball type and fixed pivot design to allow easy operation at all pump pressures.

The valve shall be controlled at the side pump panel with a lift handle. The valve shall come equipped with a chrome plug, chain, inlet strainer, 2-1/2" NST chrome inlet swivel and 3/4" drain valve.

LEFT SIDE INLET

One (1), 5" steamer inlet shall be provided on the left side of the apparatus. The intake shall terminate with a 5" NST male fitting with a screen to prevent foreign objects from entering the pump. The screen shall be removable and constructed of die cast zinc to provide cathodic protection for the pump, thus reducing corrosion.

The intake shall terminate with a 5" female to 6" male NST rocker lug adapter.

One (1), 6" NH female long handle vented chrome plate steamer cap shall be supplied for the steamer inlet.

LEFT SIDE PRECONNECT DISCHARGE

One (1), 2" preconnect discharge shall be plumbed from the module manifold with an Akron Brass quarter turn ball type valve. The 2" valve outlet shall terminate with grooved connection and plumbed towards the left side of the apparatus near the hose bed. The valve shall be controlled with a chrome- plated push/pull locking "T" handle mounted on the pump panel.

One (1), 1-1/2" NPT female x 1-1/2" NH male chrome adapter shall be provided for the discharge. One (1), Class 1 2 1/2" pressure gauge mounted on the module panel near each control to indicate pressure. The discharge shall be equipped with a quarter-turn 3/4" drain valve. Each discharge must be capable of flowing 180 GPM or greater.

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Yes

No

RIGHT SIDE PRECONNECT DISCHARGE

One (1), 2" preconnect discharge shall be plumbed from the module manifold with an Akron Brass quarter turn ball type valve. The 2" valve outlet shall terminate with grooved connection and plumbed towards the right side of the apparatus near the hose bed. The valve shall be controlled with a chrome- plated push/pull locking "T" handle mounted on the pump panel.

One (1), 1-1/2" NPT female x 1-1/2" NH male chrome adapter shall be provided for the discharge. One (1), Class 1 2 1/2" pressure gauge mounted on the module panel near each control to indicate pressure. The discharge shall be equipped with a quarter-turn 3/4" drain valve. Each discharge must be capable of flowing 180 GPM or greater.

PRECONNECT HOSE BED

A divided preconnect hose bed shall be fabricated above the chassis frame rails and located behind the chassis cab. The hose bed shall be constructed of aluminum mounted to a slide out system to provide ease for loading and unloading. Each hose bed section shall have a capacity of 200' of 1-3/4" double jacketed fire hose.

A webbing restraint shall be located on each end of the hose bed to prevent unintentional deployment of hose. The webbing shall be opened and closed using Lift-The-DOT fastener's.

There shall be matting in the front hose bed to provide traction and drainage should water enter the area.

The slide out hose beds shall be wired to the door open warning light.

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Yes

No

LEFT SIDE DISCHARGES

Two (2) 2-1/2" discharges with an Akron brass valve shall be located on the left side panel. Each valve shall be a quarter turn ball type and fixed pivot design to allow easy operation at all pump pressures. The valve shall be controlled at the side panel with a lift handle. Each 2-1/2" outlet shall be straight terminating with 2-1/2" MNST threads.

Two (2) chrome vented caps with chains shall be supplied, one for each discharge.

Two (2) Class 1 2-1/2" pressure gauges mounted on the panel near each control to indicate pressure shall be provided, one for each discharge. The discharge shall also come equipped with a quarter-turn 3/4" drain valve. The discharge must be capable of flowing 700 GPM or greater and shall be rated at 250 GPM per the latest edition of NFPA Pamphlet 1901.

RIGHT SIDE DISCHARGE

One (1) 5" storz discharge shall be located on the right side panel. The discharge shall be plumbed with a 2-1/2" Akron brass valve and 3" plumbing. The valve shall be controlled with a chrome-plated push/pull locking "T" handle mounted on the operator's pump panel. The discharge shall terminate with a 3" male NST chrome adapter at the panel. There shall be a 3" female NH to 5" storz adapter provided for the discharge.

One (1) 5" storz cap and chain shall also be supplied.

One (1) Class 1 2-1/2" pressure gauge mounted on the panel near the control to indicate pressure. The discharge shall also come equipped with a quarter-turn 3/4" drain valve.

There shall be a brushed aluminum overlay below the discharge to protect the panel.

RIGHT SIDE PUMP PANEL

A panel shall be installed on the right side of the apparatus. The panel shall be constructed of 3/16" smooth aluminum and painted. This shall be the area where any right side discharges, inlets, steamers, and other pump associated equipment are located.

The panel shall be illuminated with LED lighting and activated in conjunction with the operators pump panel work light(s).

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Yes

No

REAR DIRECT TANK FILL

One (1) threaded 3" fill fitting shall be provided at the rear of the polypropylene tank.

One (1) 3" Akron 8830 full flow, quarter turn valve shall be located at the rear, left side of the tank and plumbed directly to the tank with 3" stainless steel piping and an aluminum support bracket.

The valve shall terminate with a female 3" NST 30-degree sweep elbow with swivel and screen. The valve shall have a slo-cloz control handle and will also be equipped with an Akron 3/4" bleeder valve.

One (1), 3" x 5" Storz aluminum adapter shall be supplied.

One (1), 5" Storz with manual locks x 2-1/2" NST rocker lug female swivel lightweight aluminum adapter shall be provided.

One (1), 2-1/2" chrome plug with chain shall be supplied for the inlet valve.

WATER DISTRIBUTION MANIFOLD

A water distribution manifold shall be constructed as an integral part of the polypropylene water tank and be located at the lower rear center of the tank. The manifold shall be constructed from 1" stock material and shall be electronically extrusion welded to the tank. The manifold shall have three (3), 10" x 10" openings, one on the rear and one on each side of the manifold. Each manifold opening shall have sixteen (16), 3/8" diameter holes to mount the Newton dump valve(s).

The water distribution manifold shall be natural black in color unless otherwise specified.

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Yes

No

REAR STORAGE COMPARTMENT

One(1), storage compartment, shall be constructed as an integral part of the water tank and to be fabricated above the water distribution manifold at the rear of the tank. The storage compartment shall be constructed of 3/4" thick polypropylene and to be electronically extrusion welded to the top of the manifold.

There shall be matting in the rear storage compartment to provide traction and drainage should water enter the area.

The storage compartment shall have an aluminum treadbrite cover hinged at the front side of the compartment next to the tank with a stainless steel hinge. The cover shall be constructed with .125" aluminum NFPA 1901 approved embossed treadbrite to provide a slip resistant surface.

An exterior hold-down latch shall be mounted at the rear center of the cover to prevent it from accidentally opening in route to the scene.

REAR DUMP VALVE

One (1), Newton 10" Kwik-Dump model 1065-34-54 stainless steel valve shall be supplied and mounted on the rear center of the water distribution manifold. The valve shall be 16" in length with side manual controls.

The dump valve shall be equipped with a 106016-1-34 retractable extension handle to provide additional leverage for ease of valve operation.

One (1), 12" flip chute constructed of 1/8" aluminum treadbrite shall be supplied and mounted to the dump valve with a spring-loaded clip enabling the chute to be locked or released easily and quickly.

LEFT SIDE DUMP VALVE

One (1), Newton 10" Kwik-Dump model 1065-34 stainless steel valve shall be supplied and mounted on the left side of the water distribution manifold. The valve shall be 24" in length with side manual controls.

One (1), Newton model 4036-34 36" stainless steel telescoping chute shall be supplied and mounted to the dump valve with a spring-loaded clip enabling the chute to be locked or released easily and quickly.

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Yes

No

RIGHT SIDE DUMP VALVE

One (1), Newton 10" Kwik-Dump model 1060-34 stainless steel valve shall be supplied and mounted on the right side of the water distribution manifold. The valve shall be 24" in length with side manual controls.

One (1), Newton model 4036-34 36" stainless steel telescoping chute shall be supplied and mounted to the dump valve with a spring-loaded clip enabling the chute to be locked or released easily and quickly.

REAR TAILBOARD

The rear tailboard framework shall be constructed, with 2" tubular steel and built integral with the steel undercarriage at the rear of the body. The tailboard shall be 28" in depth and the full width of the body. The framework to be covered with .125" aluminum NFPA 1901 approved embossed treadbrite to provide a slip resistant surface with a 1" space between the body and the tailboard.

TOW EYES

Two (2), heavy duty chrome tow eyes, shall be installed at the rear of the body above the rear step. The tow eyes shall have a 2-3/16" inside diameter eye with a 1-1/4" threaded shaft and nut. The tow eyes will be fastened one on each side through the body frame to the chassis frame rails.

HANDRAILS

Handrails shall be round extruded aluminum with slip resistant rubber inserts. The handrail brackets shall be brass, chrome plated and fastened to the body with stainless steel bolts. The handrails shall be located in the following areas:

Two (2), horizontal handrails mounted one on each side, at rear of tank. One (1), horizontal handrail shall be mounted on the rear of the water tank.

STEPS

There shall be 8" die cast zinc/aluminum alloy folding type steps and to be mounted with stainless steel bolts. The surface area shall be at least 35 square inches and withstand a load of at least 500 pounds. The steps shall be located in the follows area(s):

Three (3) folding steps shall be mounted at the rear, right side of the apparatus to provide access to the water tank fill tower.

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Complies**

Yes

No

WATER TANK

The capacity of the water tank shall be 3,000 U.S. gallons. The tank shall be a low profile "T" square type design and be completely independent of the body and compartments.

For normal fire department applications, 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 from UPF. In applications where the tank will be subject to severe conditions, the tank may have a warranty unique to the application that is clearly defined for each such application.

The tank shall be manufactured by United Plastics Fabricating Inc. and constructed of PT3 polypropylene material. This material shall be a non-corrosive stress relieved thermoplastic and UV stabilized for maximum protection. All Joints and seams shall be fused using nitrogen gas as required and tested for maximum strength and integrity. The tank construction shall include PolyProSeal™ technology wherein a sealant shall be installed between the plastic components prior to being fusion welded. This sealing method will provide a liquid barrier offering leak protection in the event of a weld compromise. The top of the water tank is fitted with removable lifting assembly designed to facilitate tank removal. The transverse and longitudinal swash partitions shall be manufactured of a minimum of 3/8" PT3™ polypropylene. All partitions shall be equipped with vent and air holes to permit movement of air and water between compartments.

The partitions shall be designed to provide maximum water flow. All swash partitions interlock with one another and are completely fused to each other as well as to the walls of the tank. All partitions and spacing shall comply with NFPA 1901. The walls shall be welded to the floor of the tank providing maximum strength as part of the tank's unique Full Floor Design™. Tolerances in design allow for a maximum variation of 1/8" on all dimensions.

The bottom of the tank shall have a sump with anti-whirlpool baffles and two threaded tank outlets in the floor. One outlet shall be used as a combination clean out and drain and the other shall be for the tank-to-pump suction line. An additional outlet shall be supplied in the tank floor for a fill/recirculate line. All outlets shall be appropriately sized based on tank and pump capacities.

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Yes

No

There will be two (2) standard tank outlets: one for the tank-to-pump suction line, which shall be sized to provide adequate water flow to the pump; and, one for tank fill line, which shall be sized according to the NFPA minimum size chart for water tanks. All tank fill couplings shall be backed with flow deflectors to break up the stream of water entering the tank, and be capable of withstanding sustained fill rates of up to 1000 GPM. All auxiliary outlets and inlets must meet all NFPA guidelines in effect at the time of manufacture.

The polypropylene tank shall have three (3) mounting blocks built within the bottom of the tank fastened to the steel undercarriage cross tubing with three (3) steel u-clamps. Each u-clamp shall be fastened to the tank with six (6), 1/2" diameter steel bolts. Rubber pads shall be located between the u-clamps and the cross members of the undercarriage.

The water tank shall be tested and certified as to capacity on a calibrated and certified tilting scale. Each tank shall be weighed empty and full to provide precise fluid capacity. Each Poly-Tank® III is delivered with a Certificate of Capacity delineating the weight empty and full and the resultant capacity based on weight.

A tag shall be installed on the apparatus in a convenient location and contain pertinent information including a QR code readable by commercially available smart phones. The information contained on the tag shall include the capacity of the water and foam (s), the maximum fill and pressure rates, the serial number of the tank, the date of manufacture, the tank manufacturer, and contact information. The QR code will allow the user to connect with the tank manufacturer for additional information and assistance.

The water tank shall be encapsulated by 3/16" aluminum dryside panels around the front, sides, and rear. The dryside panels shall be supported by a series of aluminum angles and channels. The top of the water tank shall remain exposed.

The dryside body panels shall extend 12" above the top of the polypropylene tank around the front and sides.

HOSE BED

The area above the water tank and between the extended dryside tank panels shall be used for hose storage.

There shall be matting supplied above the water tank to provide traction and drainage should water enter the area.

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Complies**

Yes No

HOSE BED DIVIDER

One (1) adjustable 3/16" aluminum partition(s) shall be provided in the hose bed. The partition(s) shall be mounted on aluminum slide rail and shall have a DA sanded finish.

VINYL HOSE BED COVER

There shall be a heavy duty RED vinyl hose bed cover installed on the hose bed located above the water tank. The front edge of the cover shall be retained in a "C" channel, and the sides shall be attached with quick-release bungee cords along with a black finger loop.

HOSE BED LIGHTING

The hose bed shall be equipped with LED strip lighting. The light shall be installed towards the front of the hose bed area and shall be activated with the ground lights.

Two (2), Rigid Industries model 50211 LED spot lights shall be provided and mounted one on each side of the front bulkhead. The lights shall be mounted on top the front bulkhead and will shine over the hosebed.

Both lights shall be controlled by a switch in the cab labeled hosebed.

TANK DRAIN VALVE

One (1), 1-1/2" Watts full flow, quarter turn valve shall be provided under the tank sump.

ANTI-SURGE FILL TOWER

The tank shall have an overhead anti-surge fill tower, with a hinged lid and a removable screen. The tower shall be constructed of 1/2" PT3 polypropylene and shall be 16" wide x 24" long x 10" high. The fill tower shall have a 6" overflow tube, to discharge below the tank and behind the rear wheels.

The surge tower is designed to prevent water loss while the truck is in motion. The surge tower design adds a baffle chamber to the existing fill tower which dampens the water flow to minimize water loss down the overflow pipe and out the top of the fill stack.

There shall be a handle on top of the fill tower to assist in opening the lid. The fill tower shall be located at the front center of the tank.

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**Bidder
Complies**

Yes

No

WATER TANK LEVEL GAUGE

The apparatus shall be equipped with a Class1 "Intelli-Tank" tank level gauge for indicating water level.

The tank level gauge shall indicate the liquid level on an easy to read LED display and show increments of 1/8 of a tank. The tank level gauge system features:

- Wide angle display and red LED's provide high visibility even in direct sunlight
- Industrial pressure transducer instead of probes
- Built in self-diagnostics
- Programmable night dimming feature
- Ultra-bright LED's provide nine (9) levels of indication

The tank level gauge shall be mounted on the operator's control panel.

There shall be one (1) Whelen Strip-Lite Plus XL water tank level status light connected to a driver module in conjunction with the tank level sender unit and master display. The Strip-Lite Plus XL shows the current tank level in 1/4 increments with the entire light showing green when full, blue when 3/4 full, yellow when 1/2 full, and red when 1/4 full.

The tank level light shall be mounted at the rear of the apparatus.

HARD SUCTION HOSE STORAGE

There shall be one (1), hard suction hose in an enclosed painted storage area located on the right side of the apparatus with the capacity to accommodate 10' sections of hard suction hose.

The hose storage shall be attached to the hydraulic folding tank rack.

NOTE: The hard suction hose storage shall be sized accordingly based on the pump inlet unless otherwise specified.

HARD SUCTION HOSE STORAGE

There shall be one (1), hard suction hose in an enclosed painted storage area located on the left side of the apparatus with the capacity to accommodate 10' sections of hard suction hose.

The hose storage shall be attached to the left side dry side panel.

NOTE: The hard suction hose storage shall be sized accordingly based on the pump inlet unless otherwise specified.

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Complies**

Yes

No

HARD SUCTION HOSE

Two (2), Kocheck 2P601 6" x 10' section(s) of PVC suction hose with 6" NH long handle female by 6" NH rocker lug male couplings.

LADDER RACK

A ladder storage rack shall be provided and mounted above the left side body compartments. The rack shall consist of cast aluminum brackets mounted on aluminum strut channel to allow for easy adjustment and to allow personnel to quickly remove the ladders. The ladders shall be fastened using a spring loaded handle latch.

The ladder rack shall have the capacity to store a 2-section extension ladder and a roof ladder.

LADDER(S)

One (1), Duo-Safety series 900-A, 24' two-section solid beam aluminum ladder shall be supplied.

One (1), Duo-Safety series 775-A, 14' roof ladder featuring channel rail construction and prong feet shall be supplied.

PIKE POLE/LADDER STORAGE

There shall be an enclosed pike pole/ladder storage compartment installed between the folding tank carrier and the tank. The storage compartment shall be constructed of aluminum treadbrite and shall be 11' deep.

Each pike pole storage shall be a minimum of 4-1/2" in height, the department will be storing two pike poles on the apparatus.

The storage area shall be capable of storing two (2) pike poles and a folding ladder. Velcro straps shall be provided to secure the pike poles and ladder in place.

There will be no pike poles supplied.

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Complies**

Yes

No

LADDER

One (1), Duo-Safety series 585-A, 10' aluminum one man load folding ladder with safety shoes shall be supplied.

HYDRAULIC FOLDING TANK CARRIER

One (1) Zico PTS-HA hydraulic tip down folding tank carrier for loading/unloading of a folding water tank shall be located on the right side of the apparatus. The folding tank carrier shall have the capacity to accommodate a 3,000 gallon folding tank.

This system uses high strength cast aluminum parts and two self-contained hydraulic actuators, creating a more even, parallel operating motion. Flashing indicator lights shall be provided at the front and rear of the system when it is out of the stored position.

A control switch shall be supplied on the side of the apparatus with an interlock to prevent operation unless the parking brake is activated.

The folding tank carrier shall be covered with a smooth aluminum cover on the top and outside areas in between the hydraulic rack arms.

The tank carrier cover shall be painted to match the body.

There shall be a center hinge hardware kit installed on the hydraulic portable tank carrier for additional support of the enclosure.

The storage rack shall be connected directly to the hazard warning indicator light located in the cab to warn the driver when the rack is not in the secured position.

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Yes

No

FOLDING TANK

One (1) Fol-Da-Tank model FDTA-3000 collapsible folding tank shall be supplied and stored on the apparatus as designated. The folding tank shall have a capacity of 3,000 gallons.

There shall be a 22 oz. vinyl liner with easy lift handles.

The frame shall be constructed of 1" x 1/8" wall aluminum square tubing with a snag free finish.

The folding tank shall come standard with two (2) quick release drains placed on the inside of the tank to allow water pressure to seal off the drain sleeve. A pull strap shall be provided on each drain for tank draining.

There shall be an additional tank drain provided on the folding tank. The folding tank shall be YELLOW in color.

12-VOLT ELECTRICAL

All electrical equipment shall be installed using high temperature, copper, multi-strand, crosslink-coated wire. The wiring shall be colored coded and the function labeled every 3" end to end.

All wiring shall be enclosed in a protective loom throughout the electrical system and rubber grommets shall be used where the wiring passes through module walls.

All wire connections located under the apparatus body shall be weatherproofed with a clear, flexible, protective coating.

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**Bidder
Complies**

Yes

No

CUSTOM CAB CONSOLE

There shall be a custom designed console built for the specific requirements of this apparatus. The custom console shall be installed in the chassis cab between the front bucket seats. The console shall be designed to accommodate the apparatus specific items such as siren controls, radio(s) and other various controls.

The console shall be finished with a black, durable textured coating.

NOTE: The console layout shall be designed by the manufacturer and approved by the customer.

There shall be three (3) open storage pocket(s) provided at the rear of the console. Each shall be the same width and height of the console and extend approximately 2 1/2" from the rear of the console.

MULTIPLEXED ELECTRICAL SYSTEM

An InPower VCMS multiplexed switch module system shall be connected to one or more power modules via a logic cable to provide power outputs and digital input system control. The power modules shall contain 12 volt DC power outputs rated at 15 amps each and include over current and short circuit automatic fault shutdown protection.

There shall be an electrical box located towards the rear of the apparatus to house the rear power modules. The electrical box shall be mounted in an easily accessible location and constructed of aluminum. It shall be sealed to provide weather resistance. The rear electrical box is the main interface point between the chassis and body; allowing for simple isolation of the body.

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Complies**

Yes

No

SWITCH PANEL

An InPower switch panel shall be provided and mounted in an easily accessible location inside the chassis cab. The switch panel shall contain an adequate number of push button switches to be used for controlling the vehicle 12 volt auxiliary lights and devices.

The switch panel features a durable low profile metal case and push button switches with a LED status indicator directly above each switch. Each switch shall be LED backlit and clearly labeled for quick identification.

APPARATUS BODY 12-VOLT DISCONNECT

One (1), disconnect solenoid with a sufficient amp rating shall be wired from the battery and activated by the chassis ignition to disconnect all electrical accessories added by the body manufacturer. Items such as auxiliary engine starter, winch, booster reel(s), or high amp load items shall be excluded from the disconnect solenoid.

One (1), reset breaker shall be installed between the solenoid output and any electrical load.

One (1), indicator light shall be provided to indicate the apparatus 12-volt system is on. The light shall be located in the chassis cab and be visible from the driver's positions. The light shall be green in color and labeled "BATTERY ON".

DOOR OPEN WARNING LIGHT

A red flashing LED hazardous warning light shall be mounted in the chassis cab. This light shall warn the operator of any open compartment doors, and/or other items permanently attached to the apparatus that may cause damage should the apparatus be moved.

The warning light shall be marked with a decal that states "DO NOT MOVE APPARATUS WHEN LIGHT IS ON".

CUSTOMER SUPPLIED ANTENNA/COAXIAL CABLE

One (1), customer supplied antenna(s) and coaxial cable shall be shipped to the apparatus manufacturer and mounted on the apparatus. The antenna coaxial cable shall be routed by the apparatus manufacturer and terminate in the chassis cab as specified by the department.

The department will provide an programming/tunning of the radio/antenna.

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Complies**

Yes

No

Q2B SIREN

One (1), Federal model Q2B electro-mechanical siren shall be mounted at the front of the apparatus. The siren shall be actuated by a foot control located on the driver's side of the chassis cab and a push button control located on the chassis console for the officer. There shall be a siren brake control installed in the cab within easy reach of the officer's position.

The siren shall be mounted in the front bumper towards the passengers side using an custom built aluminum bracket. The bracket shall be painted to match the chassis.

SIREN

One (1), Whelen model 295HFSA7 200 watt selectable output electronic siren with a flush mount control head shall be supplied and installed in the cab.

The siren will have the following features:

Switch or ignition activated panel illumination

Stereo (dual) or mono sound control

Hands free operation

Radio repeat

Simulated mechanical siren tones

Airhorn tones

Title 13 compliant profiles

Independent, non-destructive short circuit protection.

SPEAKER

One (1), Cast Products speaker, model SA4311-03M21, 100 watt speaker shall be mounted on the front bumper of the chassis towards the driver's side.

BACK-UP ALARM

The backup alarm shall be an electronic 97-decibel rated alarm installed at the rear of the vehicle. This alarm shall alert personnel any time the transmission is shifted into reverse.

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Yes

No

BRAKE/TURN/REVERSE LIGHTS

The rear brake/tail lights shall be 4" round LED with red lens. The rear turn lights shall be 4" round LED with amber lens. The rear reverse lights shall be 4" round LED with clear lens.

There shall be two (2), amber LED midship auxiliary / turn signal lights installed one on each side of the body.

CLEARANCE LIGHTS

There shall be 1" LED clearance lights provided to comply with ICC regulations. The clearance lights shall be located one on each side and rear corner of the apparatus body and a triple red light cluster recessed at the rear center of the body for a total of seven clearance lights.

Reflectors shall be supplied on the perimeter of the apparatus as specified by ICC regulations.

LICENSE PLATE BRACKET

A polished aluminum, lighted license plate bracket shall be mounted at the rear of the apparatus.

LED GROUND LIGHTING

LED ground lighting shall be installed beneath the apparatus in areas where personnel may be expected to climb on and off of the apparatus. The lights shall illuminate the ground within 30" of the apparatus to provide visibility of any obstructions or hazards. These areas shall include cab doors, and the rear step area.

The ground lighting shall be activated when the emergency or park brake is set.

SURFACE LIGHTING

The completed apparatus shall have sufficient lighting provided as per NFPA 13.10.3 to illuminate all work surfaces, steps and walkways.

The surface lighting shall be activated when the emergency or park brake is set.

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Complies**

Yes

No

UPPER ZONE A LIGHTING

A Whelen Freedom IV custom LED 55" LED lightbar shall be installed on the apparatus. The lightbar shall consist of four corner red Roto Beam LEDs and one center red Roto Beam LED.

There shall be four front facing Super LEDs, red/red - white/white on the left side and red/red - white/white on the right side.

All white forward facing emergency lights in the light bar shall be deactivated when the parking brake is engaged in the Blocking Right of Way mode as required by NFPA.

UPPER ZONE C LIGHTING

Two (2), Whelen super-LED 360 degree beacons, model R316RF, shall be installed on the rear upper corners of the apparatus, one on each side. The beacons shall be red in color.

LOWER ZONE A LIGHTING

Two (2), Whelen M6R LED lights shall be installed at the front of the apparatus, one on each side with a chrome flange. The light shall have red LEDs and a red lens.

LOWER ZONE C LIGHTING

Two (2), Whelen M2WR LED lights shall be installed at the rear lower section of the apparatus, one on each side with a chrome flange. The light shall have red LEDs and a red lens.

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Complies**

Yes

No

LOWER ZONE B/ZONE D LIGHTING

The following perimeter lighting shall be installed in the lower B and D zones of the apparatus.

One (1) Whelen M6R LED light shall be installed on the front passenger's side of the apparatus. The light shall have red LEDs and a red lens cover with a chrome flange.

One (1) Whelen M6R LED light shall be installed on the passenger's side midship area of the apparatus. The light shall have red LEDs and a red lens cover with a chrome flange.

One (1) Whelen M6R LED light shall be installed on the rear passenger's side of the apparatus. The light shall have red LEDs and a red lens cover with a chrome flange.

One (1) Whelen M6R LED light shall be installed on the front driver's side of the apparatus. The light shall have red LEDs and a red lens cover with a chrome flange.

One (1) Whelen M6R LED light shall be installed on the driver's side midship area of the apparatus. The light shall have red LEDs and a red lens cover with a chrome flange.

One (1) Whelen M6R LED light shall be installed on the rear driver's side of the apparatus. The light shall have red LEDs and a red lens cover with a chrome flange.

TRAFFIC ADVISOR

There shall be one (1), Whelen model TAL85 LED traffic advisor containing eight medium intensity LED lamps. The traffic advisor shall be mounted at the rear of the apparatus. A deluxe controller shall be supplied and installed in the cab to control the traffic advisor.

There shall be a treadbrite enclosure to protect the traffic advisor.

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Complies**

Yes

No

12 VOLT FUSE BLOCKS

There shall be two (2) 12 volt fuse blocks with 6 circuits installed on the apparatus and wired to be hot at all times. Each fuse blocks accepts ATO and ATC blade fuses and has a maximum amperage of 100A total and 30A per circuit. The cover for the fuse block incorporates storage for 2 spare fuses and labels are included to identify circuits.

The two fuse blocks shall be installed in the following locations: L2 compartment
Rear of custom console in chassis cab

There shall be (2) each of the following fuses included with each fuse block.
5A, 10A, 15A, 20A, 25A, 30A

SCENE LIGHTS

Whelen M6ZC series linear-LED scene lights with chrome flanges featuring inner optics to direct the light downward shall be provided and mounted at the following locations:

Two (2) Whelen M6ZC LED lights with chrome flanges shall be mounted on the left upper rear corner of the apparatus.

Two (2) Whelen M6ZC LED lights with chrome flanges shall be mounted on the right upper rear corner of the apparatus.

Two (2) Whelen M6ZC LED lights with chrome flanges shall be mounted on the upper front side of the apparatus, one per side.

Two (2) Whelen M6ZC LED lights with chrome flanges shall be mounted on the upper center of the apparatus, one per side.

The scene lights shall be activated by a lighted switch located in the chassis cab. Each set of scene lights shall simultaneously activate all the lights on either the left, right or rear side of the apparatus.

The rear scene lights shall also be activated when the park brake is on. This will help to illuminate the rear stepping surfaces. When the park brake is off the scene lights shall turn off.

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Complies**

Yes

No

PAINTING

After the apparatus body and components have been fabricated and assembled, the apparatus body shall be completely sanded and deburred for removal of sharp edges. The apparatus and components shall be metal prepped to provide a superior substrate for painting.

The apparatus body and components shall undergo a degreasing/cleaning process, starting with a clear, acidic liquid, designed to remove surface soils and oxidation. This process develops a light phosphate coating, which gives aluminum a superior base for good paint adhesion.

The apparatus body and dryside panels shall be painted to match the OEM chassis paint color: BODY PAINT COLOR: RED

PAINT MFG: PPG

PAINT CODE: *****

After the cleaning process, a fast build epoxy primer shall be applied and sanded prior to the top finish coatings. The finish painting process shall consist of applying two (2), coats of high quality, 3.5 VOC polyurethane paint to maintain proper film thickness.

COMPARTMENT INTERIOR COATING

All compartment interiors shall be coated with Linex. The Linex finish shall be gray in color.

SMOOTH, UNPAINTED TANK FINISH

The tank shall be black in color unless otherwise specified. The front, rear and sides of the tank shall be a smooth, natural black polypropylene finish.

Note: The top of the water tank will be textured.

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**Bidder
Complies**

Yes

No

ELECTROLYSIS CORROSION CONTROL

The apparatus shall be assembled using ECK or electrolysis corrosion control, on all high corrosion potential areas, such as door latches, door hinges, trim plates, fenderettes, etc. This coating is a high zinc compound that shall act as a sacrificial barrier to prevent electrolysis and corrosion between dissimilar metals. This shall be in addition to any other barrier material that may be used.

All 1/4" diameter and smaller screws and bolts shall be stainless steel with a powdered aluminum coating. This coating shall be bonded metallurgically to the stainless screws to prevent peeling and flaking. This coating is designed to reduce the potential for electrolysis and corrosion to occur where items are assembled and attached.

BODY UNDERCOATING

The entire underside of the body shall be coated with a tough, pliable, rubberized coating for protection against abrasion and corrosion. This hybrid undercoating features a water based formula with quick dry capability to achieve early water and weather resistance.

The undercoating shall be applied prior to installation of the body onto the chassis to avoid spraying the product on air lines, cables, or other items that would cause normal maintenance to be hindered.

LETTERING

The lettering shall be simulated gold leaf outlined and shadowed in black up to 60 characters.

The lettering size will correlate with the area in which the lettering shall be applied as directed by the department.

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Bidder
Complies

Yes

No

BLACK REFLECTIVE STRIPING

Reflective striping shall be applied to the exterior of the apparatus in a manner consistent with NFPA. A

reflective stripe shall also be applied to the interior of each chassis cab door and any equipment such as roll-out trays or frames that protrude beyond the body of the apparatus to indicate a hazard or obstruction. An additional reflective stripe shall be applied to the body's rub rails.

The color of the striping shall be BLACK.

The striping shall be 4" wide and applied to the chassis and body in a straight pattern.

REAR CHEVRON REFLECTIVE STRIPING

There shall be reflective chevron striping applied to the rear of the unit as required by NFPA standards.

At least 50 percent of the rear-facing vertical surfaces, visible from the rear of the apparatus, excluding any pump panel areas not covered by a door, shall be equipped with retro-reflective striping in a chevron pattern sloping downward and away from the centerline of the vehicle at an angle of 45 degrees.

The striping shall consist of alternating red and fluorescent yellow retro-reflective stripes. Each stripe shall be 6" in width and shall be applied to the apparatus at a 45° angle.

BODY STRUCTURE LIMITED WARRANTY

The manufacturer shall warrant the body structure of the apparatus to be free of defects in design and workmanship for a period of seven (7) years.

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**Bidder
Complies**

Yes No

ELECTRICAL WARRANTY

The manufacturer shall warrant to each original purchaser that the Danko supplied electrical equipment are sound and free of all defects of both materials and workmanship, for a period of two (2) years. The warranty shall ensure that the vehicle will be free from defects in the electrical harness and connections under normal use and service within the warranty period.

PAINTED METAL SURFACE WARRANTY

The manufacturer shall warrant the completed apparatus to be free of blistering, peeling and any other adhesion defect caused by defective manufacturing methods or paint material selection for metal exterior surfaces for a period of seven (7) years.

BASIC LIMITED WARRANTY

The manufacturer shall warrant to each original purchaser that the apparatus is free of defects in material and workmanship for a period of one (1) year.

LETTERING/STRIPING WARRANTY

The manufacturer shall warrant to each original purchaser that the apparatus lettering and/or striping shall be free of defects for a period of three (3) years.

STAINLESS STEEL PLUMBING WARRANTY

The manufacturer shall warrant to each original purchaser that the apparatus stainless steel plumbing shall be free of defects for a period of ten (10) years.

MANUALS/DOCUMENTATION

There shall be one (1) 3-ring binder and one (1) electronic copy of the manufacturer operation and maintenance manual provided that covers the completed apparatus.

The manuals shall include chassis documentation, wiring diagrams, and any other documents or technical data referencing the apparatus. Also included shall be any manufacturers warranties and/or guarantees.

The manuals will include the NFPA recommended FAMA Fire Apparatus Safety Guide.

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**Bidder
Complies**

Yes

No

MOUNTED EQUIPMENT

WHEEL CHOCKS

One (1), pair of Zico AC-32 aluminum wheel chocks with QCH-32-H horizontal holders shall be supplied and mounted below the L1 compartment.

LOOSE EQUIPMENT

The following loose equipment shall be supplied with the completed apparatus:

- One (1) TFT ABS8NX-NX BIV short 6.0" male x 6.0" female
- One (1) TFT AH1ST-NX elbow 5.0" storz x 6.0" NHF 30 degree
- Four(4) All American Hose, HFX Rubber LDH Hose 5" x 100' with 5" storz couplings
- Four(4) All American Hose, 8D, 2 1/2" x 50' Dbl jacket, rubber lined hose
- Four(4) All American Hose, 8D, 1 3/4" x 50' Dbl jacket, rubber lined, red hose
- Four(4) All American Hose, 8D, 1 3/4" x 50' Dbl jacket, rubber lined, yellow hose
- One(1) All American Hose, 1" x 100' single jacket wildand hose, white.
- One(1) Firehooks Unlimited LS-8, Lock Slot 8 Axe.
- One(1) Firehooks Unlimited FAP-8, Pickhead Axe.
- One(1) Firehooks Unlimited Pro-bar, Halligan bar.
- Three(3) TFT 1 1/2" Thunderfog Nozzle, 95-250 gpm with pistol grip
- Three(3) TFT 2 1/2" Thunderfog Nozzle, 95-250 gpm
- One(1) TFT DQS60 1" Quadrafog Nozzle, 5-10-24-40-60 gpm
- One(1) Firehooks Unlimited NY-6' New Yorker pike pole, ash handle, D handle.
- One(1) Firehooks Unlimited TRH-6' Trash Hook
- One(1) Folda-Tank IOFLC 6.0 Inner/Outer Flange Set
- Two(2) MSA G1 Airpacks with integrated PASS to department specifications
- Two(2) TFT AA5NJ-ND Adapter 2 1/2"NHF x 1"NHM
- Three(3) 2 1/2"FNH x 1 1/2"MNH adapter
- One(1) 2 1/2" double male adapter
- One(1) 2 1/2" double female swivel adapter
- One(1) Husky ground tarp, 13' x 13'
- Three(3) Hydrant Wrench Set with bracket, 1 hydrant wrench and 2 spanners
- One(1) TFT AV5NJ-NJ-SC Slow Close Hydrant Valve
- One(1) TFT AYNJ-NF Gated Wye, 2 1/2" NHF x Two(2) 1 1/2" NHM
- One(1) 5" storz x 4" FNH adapter, rigid
- One(1) 5" storz x 5" FNH adapter, rigid
- One(1) 5" storz x 6" FNH adapter, rigid

**CITY OF CRETE
CRETE, NEBRASKA**

**Bidder
Complies**

Yes No

**F R E I G H T L I N E R S P E C I F I C A T I O N
P R O P O S A L**

Vehicle Configuration

M2 106 CONVENTIONAL CHASSIS
2021 MODEL YEAR SPECIFIED
SET BACK AXLE - TRUCK

General Service

FIRE/EMERGENCY SERVICE
MEDIUM TRUCK 2 YEAR WARRANTY
EXPECTED FRONT AXLE LOAD: 18000 lbs
EXPECTED REAR DRIVE AXLE LOAD: 44000 lbs
EXPECTED GROSS VEHICLE CAPACITY: 62000 lbs

Engine

CUM L9 350EV HP @ 2000 RPM, 2200 GOV RPM , 1000 LB/FT @
1400 RPM FIRE/EMERGENCY

Engine Equipment

2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/GHG17
NFPA COMPLIANT EMBER SCREEN AND FIRE RETARDANT
DONALDSON AIR CLEANER
DR 12V 275 AMP 40-SI BRUSHLESS PAD ALTERNATOR WITH
REMOTE BATTERY VOLTAGE SENSE
(2) DTNA GENUINE, FLOODED STARTING, MIN 2000CCA, 370RC,
THREADED STUD BATTERIES WITH POSITIVE JUMP START POST
BATTERY BOX FRAME MOUNTED
WIRE GROUND RETURN FOR BATTERY CABLES WITH
ADDITIONAL FRAME GROUND RETURN
POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL
SWITCH MOUNTED OUTBOARD DRIVER
CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH
INTERNAL SAFETY VALVE
CUMMINS EXHAUST BRAKE INTEGRAL WITH VARIABLE
GEOMETRY TURBO WITH ON/OFF DASH SWITCH
RH MTD HORIZONTAL AFTERTREATMENT WITH RH HORIZONTAL
TAILPIPE
HORTON DRIVEMASTER ADVANTAGE ON/OFF FAN DRIVE
AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH
CUMMINS SPIN ON FUEL FILTER
COMBINATION FULL FLOW/BYPASS OIL FILTER
1100 SQUARE INCH ALUMINUM RADIATOR WITH AUXILIARY
COOLING
ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE)
EXTENDED LIFE COOLANT
GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT
CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES
ELECTRIC GRID AIR INTAKE WARMER
DELCO 12V 38MT HD STARTER WITH INTEGRATED MAGNETIC
SWITCH

**CITY OF CRETE
CRETE, NEBRASKA**

**Bidder
Complies**

Yes No

Transmission

ALLISON 3000 EVS 5 SPD AUTOMATIC TRANSMISSION WITH PTO

Transmission Equipment

MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN,
AXLE(S) FILL AND DRAIN
PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED
TRANSMISSION PROGNOSTICS - ENABLED 2013
WATER TO OIL TRANSMISSION COOLER
TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL
LEVEL CHECK
SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)

Front Axle and Equipment

DETROIT DA-F-18.0-5 18,000# FL1 71.0 KPI/3.74 DROP SINGLE
FRONT AXLE
MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE
ANCHOR, FABRICATED SHOES
FIRE AND EMERGENCY SEVERE SERVICE, NON-ASBESTOS
FRONT LINING
BENDIX VERSAJUST AUTOMATIC FRONT SLACK ADJUSTERS
TRW TAS-85 POWER STEERING

Front Suspension

18,000# TAPERLEAF FRONT SUSPENSION
GRAPHITE BRONZE BUSHINGS WITH SEALS
FRONT SHOCK ABSORBERS

Rear Axle and Equipment

MT-44-14X 44,000# R-SERIES TANDEM REAR AXLE
IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING
MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF
ROUND YOKES
MXL 17T MERITOR EXTENDED LUBE INTERAXLE DRIVELINE WITH
HALF ROUND YOKES
DRIVER CONTROLLED TRACTION DIFFERENTIAL - BOTH TANDEM
REAR AXLES
(1) INTERAXLE LOCK VALVE FOR TANDEM AXLES
MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE
ANCHOR, FABRICATED SHOES
FIRE AND EMERGENCY SEVERE SERVICE NON-ASBESTOS REAR
BRAKE LINING
BENDIX EVERSURE LONGSTROKE 2-DRIVE AXLES SPRING
PARKING CHAMBERS
BENDIX VERSAJUST AUTOMATIC REAR SLACK ADJUSTERS

Rear Suspension

TUFTRAC GEN2 46,000# REAR SPRING SUSPENSION
55 INCH AXLE SPACING
FORE/AFT AND TRANSVERSE CONTROL RODS
REAR SHOCK ABSORBERS - TWO AXLES (TANDEM)

**CITY OF CRETE
CRETE, NEBRASKA**

**Bidder
Complies**

Yes

No

Brake System

AIR BRAKE PACKAGE
WABCO 4S/4M ABS WITH TRACTION CONTROL & ESC
STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM
WABCO SS-1200 PLUS AIR DRYER WITH INTEGRAL AIR GOVERNOR AND HEATER
CUSTOM STEEL AIR BRAKE RESERVOIRS
BW DV-2 AUTO DRAIN VALVE WITH HEATER - WET TANK

Electrical Connections

UPGRADED CHASSIS MULTIPLEXING UNIT
UPGRADED BULKHEAD MULTIPLEXING UNIT

Wheelbase & Frame

(216 INCH) WHEELBASE / (150 INCH) CA
11/32X3-1/2X10-15/16 INCH STEEL FRAME 120KSI
(75 INCH) REAR FRAME OVERHANG

Chassis Equipment

THREE-PIECE 14 INCH CHROME STEEL BUMPER WITH COLLAPSIBLE ENDS AND CUTOUT FOR SPEAKER
FRONT TOW HOOKS - FRAME MOUNTED
FENDER & FRONT OF HOOD MTD FRONT MUDFLAPS
GRADE 8 THREADED HEX HEADED FRAME FASTENERS

Fuel Tanks

50 GALLON RECTANGULAR ALUMINUM FUEL TANK
POLISHING OF FUEL TANK & STEPS WITH PAINTED BANDS
6 GALLON DIESEL EXHAUST FLUID TANK
DETROIT FUEL/WATER SEPARATOR WITH WATER IN FUEL SENSOR, AND 12 VOLT PREHEATER
EQUIFLO INBOARD FUEL SYSTEM

Tires

MICHELIN XZY-3 385/65R22.5 18 PLY RADIAL FRONT TIRES
MICHELIN XDS2 11R22.5 16 PLY RADIAL REAR TIRES

Hubs

CONMET PRESET PLUS PREMIUM IRON FRONT HUBS
CONMET PRESET PLUS PREMIUM IRON REAR HUBS

Wheels

22.5X12.25 10-HUB PILOT POLISHED ALUMINUM FRONT WHEELS
22.5X8.25 10-HUB PILOT POLISHED ALUMINUM DISC REAR OUTER WHEELS

**CITY OF CRETE
CRETE, NEBRASKA**

**Bidder
Complies**

Yes No

Cab Exterior

106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL AIR RIDE CAB
 2-1/2 INCH FENDER EXTENSIONS
 NFPA COMPLIANT EXTERIOR GRAB HANDLES
 HOOD MOUNTED CHROMED PLASTIC GRILLES
 FIBERGLASS HOOD & FIREWALL INSULATION
 DUAL 25 INCH ROUND STUTTER TONE HOOD MOUNTED AIR HORNS WITH DUAL LANYARDS
 LED HEADLIGHT ASSEMBLY AND INCANDESCENT MARKER/TURN LAMP WITH CHROME BEZELS & DAYTIME RUNNING LIGHTS
 LED AERODYNAMIC MARKER LIGHTS
 DUAL 102" WEST COAST BRIGHT FINISH HEATED MIRRORS WITH LH AND RH REMOTE
 LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS
 63X14 INCH TINTED REAR WINDOW
 RH/LH ELECTRIC POWERED WINDOWS
 TINTED DOOR GLASS LH AND RH WITH TINTED NON-OPERATING WING WINDOWS
 TINTED WINDSHIELD
 2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, FRAME MOUNTED

Cab Interior

OPAL GRAY VINYL INTERIOR
 MOLDED PLASTIC DOOR PANELS WITH ALUMINUM KICKPLATES LOWER DOORS
 BLACK MATS WITH PREMIUM INSULATION
 CAB DOOR LATCHES WITH MANUAL DOOR LOCKS
 FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS WITHOUT NETTING
 IN DASH STORAGE BIN
 AM/FM/WB DASH MTD RADIO WITH AUXILIARY INPUT
 USB CHARGERS (2) IN DASH
 (2) CUP HOLDERS LH AND RH DASH
 HEATER, DEFROSTER AND AIR CONDITIONER
 MAIN HVAC CONTROLS W/ RECIRCULATION SWITCH
 SOLID-STATE CIRCUIT PROTECTION AND FUSES
 12V NEGATIVE GROUND ELECTRICAL SYSTEM
 DOME LIGHT WITH 3-WAY SWITCH ACTIVATED BY LH AND RH DOORS
 (1) 12V POWER SUPPLY IN DASH
 SEATS INC 911 UNIVERSAL SERIES HIGH BACK AIR SUSPENSION DRIVER SEAT NFPA COMPLIANT
 SEATS INC 911 UNIVERSAL SERIES HIGH BACK AIR SUSPENSION PASSENGER SEAT NFPA COMPLIANT
 LH AND RH INTEGRAL DOOR PANEL ARMRESTS
 GRAY VINYL SEAT COVERS WITH GRAY CORDURA CLOTH BOLSTERS AND HEADRESTS

**CITY OF CRETE
CRETE, NEBRASKA**

**Bidder
Complies**

Yes

No

NFPA 1901-2009 HIGH VISIBILITY ORANGE SEAT BELTS
ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN
4-SPOKE 18 INCH STEERING WHEEL
DRIVER AND PASSENGER INTERIOR SUN VISORS

Instruments & Controls

BLACK GAUGE BEZELS
LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM
2 IN PRIMARY & SECONDARY AIR PRESSURE GAUGES
2 INCH ELECTRIC FUEL GAUGE
2 INCH TRANSMISSION OIL TEMPERATURE GAUGE
ENGINE COMPARTMENT MOUNTED AIR RESTRICTION INDICATOR WITH GRADUATIONS
ELECTRONIC CRUISE CONTROL WITH SWITCHES IN LH SWITCH PANEL
ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED
FIRE AND EMERGENCY SERVICE VEHICLES ENGINE WARNING
ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE
ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY
ELECTRIC ENGINE OIL PRESSURE GAUGE
ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE
ELECTRONIC 3000 RPM TACHOMETER
DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY
SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY
MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH
ONE VALVE PARKING BRAKE SYSTEM WITH DASH VALVE
SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE
INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS

Paint Design

TWO COLOR CUSTOM BASE/CLEAR COAT CAB PAINT
BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT

**CITY OF CRETE, NEBRASKA
TIERED EMERGENCY MEDICAL RESPONSE SERVICES
AGREEMENT NO. 20-20-002**

This agreement is entered into between the City of Crete, Nebraska, a Nebraska municipal corporation, ("City") and Crete Area Medical Center, a Nebraska nonprofit corporation, ("CAMC") upon the date of signature by both parties.

RECITALS:

A. The City operates a volunteer fire and rescue department that is currently licensed under Nebraska law to provide basic life support ("BLS") emergency medical services and patient transportation and supplemental advanced life support ("ALS") emergency medical services.

B. CAMC is a critical access hospital that operates a paramedical service program licensed under Nebraska law to provide ALS emergency medical services and employs qualified paramedics to staff its ALS certified transfer ambulance services.

C. In the Crete area, the City is the primary provider of BLS services, and CAMC is the primary provider of ALS services. Occasionally, there is a need for the parties to jointly provide pre-hospital emergency medical services to patients or to supplement each other's primary services.

D. The City and CAMC have discussed and agreed upon tiered emergency medical response services to be performed by both parties, and this agreement is intended to memorialize the entire agreement between the City and CAMC for such joint emergency medical response services.

AGREEMENT:

Premised on the Recitals above and in consideration of the mutual promises and understandings of the parties set forth below, the parties agree as follows:

PART I: GENERAL TERMS AND CONDITIONS.

§1.01 Services, Personnel, and Equipment Provided by CAMC.

CAMC shall provide tiered response and ALS-certified emergency medical response and transfer services to the City as follows:

- (1) Initial Response: The City will initially respond to emergency calls with available staff and resources to provide treatment and stabilization to patients and BLS services. If necessary, the City will also initiate transportation of patients to an appropriate medical facility.
- (2) CAMC Backup: CAMC will monitor Southeast Communications, county paging frequencies, and other dispatch providers and will determine if ALS emergency medical response services are needed in areas served by BLS providers. If it believes ALS services are needed, CAMC

will dispatch adequate personnel and equipment, if available, to provide ALS services at the emergency call location, a rendezvous point designated by the City, or some point along the transportation route of the patient. For purposes of this agreement, ALS services includes those services which may be billed to Medicare at the ALS-1 or ALS-2 levels. If necessary, CAMC will transfer paramedics or ALS equipment to a City ambulance at the point of interception. The City agrees to allow CAMC personnel and equipment on its ambulances to provide any necessary medical services.

CAMC shall maintain at least one (1) paramedic on call twenty-four (24) hours per day, each day of the week to attend patients when the City provides backup ALS or transfer services. Every paramedic maintained by CAMC shall be considered an employee of CAMC and not of the City.

CAMC shall provide its own equipment, medications, and supplies necessary to provide ALS emergency medical services for CAMC MRT.

§1.02 Services, Personnel, and Equipment Provided by the City.

The City shall furnish emergency vehicles, fuel, emergency medical technicians (“EMTs”), and all necessary equipment and supplies to enable CAMC paramedics to satisfactorily perform their responsibilities under this agreement. All personnel provided by the City shall be volunteers or employees of the City and not of CAMC.

The City agrees to provide its own personnel, equipment, and supplies (including vehicles, fuel, and drivers) necessary for the performance of backup ALS emergency medical services and ambulance transportation and is solely responsible for transporting patients from the emergency call location or rendezvous point to an appropriate medical facility. The City agrees to maintain and replace vehicles and all other equipment and supplies used to provide ALS emergency medical services.

§1.03 Payment for Services Provided; Invoices; Method of Payment.

In exchange for providing tiered response and ALS-certified transfer services, the City agrees to pay CAMC the service fees described in Part III on a monthly basis.

Each monthly payment to CAMC will be made after the City receives a billing invoice with detailed, itemized descriptions of the services provided during the applicable period. The submitted billing invoices will be reviewed by the City for completeness and to determine that the services provided therein were accomplished and were within the scope of the agreed duties to be performed by CAMC. Payment will be promptly made by the City within thirty (30) days following the City's receipt of a regularly submitted billing invoice which complies with the provisions of this agreement.

Payments to CAMC from the City will be made by check, ACH deposit, or other appropriate payment mechanism as determined by the City and will be based upon the invoice requests submitted by CAMC. All payments will be made in accordance with Nebraska's Prompt Payment Act.

§1.04 Contract Term.

The term of this contract will be from January 1, 2020 to December 31, 2020 (“Contract Term”). Services performed by CAMC within the Contract Term will be eligible for payment under this agreement. The effective date of the contract (determined by the date when both parties have signed) does not alter or limit the specified term of the contract, but rather, the effective date simply signifies the date when the parties have formally reached written agreement.

The parties may extend the term of this contract for additional twelve (12) month periods if mutually agreed to in writing. Any additional contract term shall be bound by the same terms and conditions as the original contract term.

§1.05 Incorporation of RECITALS.

All paragraphs of the RECITALS above are hereby incorporated as agreed provisions of this contract.

PART II: SPECIAL CONDITIONS.

§2.01 Licensure and Certification; Professional Standards.

The City and CAMC shall maintain current licensure and certification as providers of ALS emergency medical services and emergency transport services throughout the Contract Term. Both parties shall ensure that all individuals providing services on their behalf are properly licensed or certified to provide such services. Each party shall perform emergency medical services described in this agreement in accordance with prevailing practices and professional standards applicable to the same.

§2.02 Personnel Regulations and Guidelines.

All personnel provided by each party shall be employees or volunteers of such party and will be under the sole direction and control of such party. Each party shall be solely responsible for the payment of any compensation, benefits, employment-related taxes, and insurance coverage for any individuals providing services on such party’s behalf. All matters concerning job duties, discipline, training, sick or vacation leave, and similar employment matters concerning a party’s employees or volunteers are within such party’s exclusive control.

All personnel shall comply with the regulations set forth in Title 172, Chapter 12 of the Nebraska Administrative Code (Licensure of Emergency Medical Services, effective December 15, 2012). These regulations require at least two personnel on all emergency medical service incidents, and at least one must be an EMT, Advanced EMT, EMT-Intermediate, or Paramedic. In the event one or more of the individuals responding to an emergency run does not meet these requirements, an emergency medical responder with appropriate training, physician medical director approval, and that meets the requirements listed in 172 NAC 12-004.10 item 2 may staff the ambulance along with a person to drive the ambulance.

This alternate staffing is intended for emergency runs only and does not apply to the transportation of a patient from one health care facility to another one. CAMC personnel may fulfill the requirement of the licensed out-of-hospital provider in a City ambulance when needed.

CAMC personnel operate under their respective guidelines set forth by the medical director and operate independently from City personnel even when providing service in a City ambulance. City personnel operate under their respective guidelines set forth by their supervisors and operate independently from CAMC.

§2.03 CAMC Availability; Cancelled Backup Services; Weather and Road Conditions.

The parties acknowledge CAMC has finite resources and may not be able to respond to all dispatch calls for ALS and transfer services. In the event that CAMC is unable to provide ALS or transfer service coverage, the City will utilize its own paramedics to provide backup coverage and shall request ALS or transfer assistance from another emergency medical services provider, if needed.

If, after receiving a dispatch call for emergency medical services, the City determines that it does not require ALS services, it shall notify CAMC as soon as possible. The City cannot utilize its own paramedics in place of CAMC paramedics unless CAMC paramedics are unavailable.

The City will use reasonable effort to inform CAMC of road, weather, bridge, or other known conditions affecting CAMC's response to its request for services.

§2.04 Billing Responsibility and Compliance; Repayment.

The City is solely responsible for billing patients or governmental or third-party payers for all emergency medical services provided to patients where the City is the initial responder. CAMC agrees that it will not bill a patient or any governmental or third-party payer for any emergency medical services provided hereunder to such patients.

In no event will more than one claim be submitted for emergency medical services provided to a single patient on a single occasion where both the City and CAMC render services to the patient in accordance with this agreement. Each party is responsible for monitoring and ensuring its own compliance with applicable laws and regulations pertaining to billing and reimbursement for its services. Notwithstanding the foregoing, each party shall promptly notify the other if it becomes aware of a violation of any law or regulation involving billing for services.

In the event the City is obligated to repay any amounts to Medicare or any other payer pursuant to a post-payment audit or similar process, CAMC is not obligated to repay the City any amounts received on those claims for which payment was repaid.

§2.05 Ambulance and Medical Records.

All records of the City related to patient transfers belong to the City, and the City has the sole responsibility for ensuring that all records are complete and accurate as required by law and for Medicare or other third-party reimbursement. The parties agree to timely complete and maintain records as necessary to bill for all services provided hereunder and to effectuate the compensation of service fees.

Each party hereby agrees: (i) to permit access by the other to its books and records as they relate to billing and reimbursement for all services provided hereunder; (ii) to share all patient care and billing information necessary to submit Medicare insurance and other claims, including patient care reports and billing slips; (iii) to use its best efforts to obtain information not in its possession or control which may be material to the other party's billing determinations; (iv) to notify the other party within thirty (30) days of receipt of any request for information or documents related to services provided from a patient, the Centers for Medicare & Medicaid Services ("CMS") or its authorized carrier or intermediary, other payment source, or other state or federal agency with oversight of the parties' billing and patient care practices; and (v) to provide the other party with fully completed patient care reports upon request of the other party or its billing company for billing purposes.

§2.06 Patient Privacy and HIPAA.

The parties recognize that each is a "covered entity" within the meaning of the federal Health Insurance Portability and Accountability Act ("HIPAA") and is therefore responsible for compliance with HIPAA security and privacy standards, as amended from time to time. The City and CAMC agree to protect all individually identifiable protected health information ("PHI") from misuse or disclosure in compliance with federal and state law. Without limitation of the foregoing, the parties agree to use PHI only for permitted treatment and payment and to protect PHI from unnecessary disclosure to their own employees and contractors and to persons not employed by or contracted by the parties. In the event any PHI created, maintained, or transmitted in connection with this agreement is to be electronically transmitted, the parties agree that they shall comply in all respects with the HIPAA requirements governing electronic transmission of PHI (42 C.F.R. § 160, *et seq.*). A failure by either party to abide by these requirements will constitute a material breach.

§2.07 Referrals.

There is no agreement, express or implied, between the City and CAMC governing the referral of patients or business by virtue of this agreement or any other arrangement or understanding between the parties. Each party is expressly authorized, encouraged, and required to make all judgements regarding referral solely on the basis of a patient's demonstrated clinical needs and the abilities and qualifications of facilities and practitioners.

PART III: SERVICES & PAYMENT SCHEDULE.

SERVICES & PAYMENT SCHEDULE		
SOURCE OF FUNDING→ Rescue/Transfer Account 31-21-5342		
Services	Invoice Submission Date	Payment Amount
CAMC provides ALS services with City transportation	Monthly	\$300/patient
CAMC provides ALS services without transportation	Monthly	\$150/patient

PART IV: BREACHES AND TERMINATION.

§4.01 Early Termination; Termination by Mutual Agreement.

Either party, in their sole discretion, may terminate this contract for any reason upon thirty (30) days written notice to the other party.

This contract may be terminated, in whole or in part, prior to the completion of the contract term if and when both parties agree that continuation is not feasible or would not produce beneficial results to a party. In the event of mutual termination, the parties must agree on the termination conditions, including the effective date of termination, the portion (if in part) to be terminated, and any allocation of payments under the contract.

§4.02 Termination Due to Unforeseen Circumstances.

The contract may terminate, in full or in part, in the event the City suffers a loss of the funding source which permits it to fund this contract. If it suffers such a loss of funding, the City will give CAMC written notice that will set forth the effective date of full or partial termination or, if a change in funding is required, setting forth the required changes.

Either party may immediately terminate this contract at any time it reasonably determines, based upon threatened legal action or the advice of legal counsel, that either party is in violation of any law or regulation or that continuation of the contract creates a substantial risk of violation of any law or regulation and the parties are unwilling or cannot promptly remedy the violation or risk of violation without substantially changing the material rights and obligations in this agreement. The parties agree to negotiate in good faith to reform or modify this agreement to avoid termination unless it is necessary to prevent imminent adverse legal consequences.

§4.03 Suspension or Termination for Material Breach.

In the event of a material breach of the terms of this contract, the non-breaching party may suspend the contract pending corrective action by the breaching party or terminate the contract, in whole or in part, after providing the breaching party a reasonable amount of time to cure the breach.

The party alleging a material breach must notify the other party in writing of the alleged breach and any possible remedies within fifteen (15) days after discovering the alleged breach and must allow the other party at least fifteen (15) days to cure said breach. Allowing time to cure a breach does not waive the non-breaching party's right to terminate the contract for the same or different breach which may occur at a different time. Any attempt to cure a breach must be performed to the reasonable satisfaction of the non-breaching party.

§4.04 Force Majeure.

Neither party shall be liable for any costs or damages resulting from its inability to perform any of its obligations under this agreement due to a natural disaster or other similar event outside the control of and not attributable to the fault or negligence of the party (“Force Majeure Event”). A Force Majeure Event shall not constitute a violation or breach of this agreement. The party so affected shall immediately give notice to the other party of the Force Majeure Event. Relief from the performance of all or part of this agreement may be granted if a party is prevented from performance by a Force Majeure Event. The burden of proof for the need of such relief shall rest with the requesting party. To obtain release based on a Force Majeure Event, the requesting party must file a written request for such relief with the other party.

Labor disputes with a party’s own employees will not be considered a Force Majeure Event and will not suspend performance requirements under this agreement.

§4.05 Non-Waiver/Waiver in Writing.

A failure by either party to insist upon the strict performance of any provision of this agreement or to exercise any right based upon a breach or default will not constitute a waiver of any rights under this agreement or any subsequent breach or default. No conditions or provisions of this agreement can be waived unless approved in writing.

PART V: SUPPLEMENTAL TERMS AND CONDITIONS.

§5.01 Designation of Officials to Execute Agreement and Amendments.

The Mayor of the City or their designee is the official authorized to execute this agreement and any amendments to this agreement on behalf of the City. The President/CEO of CAMC or their designee is the official authorized to execute this agreement and any amendments to this agreement on behalf of CAMC.

Either party may request amendments to this contract; however, amendments will not take effect until mutually agreed to, in writing, by both parties.

§5.02 Assignment or Transfer; Binding Effect.

Neither party may assign or transfer any interest, rights, or obligations in this agreement, in whole or in part, without the prior, written consent of the other party.

This agreement shall be binding upon and inure to the benefit of the successors, assigns, and legal representatives of the parties.

§5.03 Independent Contractors.

The parties agree they are, and will conduct themselves as, independent contractors in performing the services required of them under this contract. Nothing in this contract should be construed in any manner as creating or establishing the relationship of partners between the parties, and neither party nor anyone employed by them to fulfill the terms of this contract will be considered employees of the other party.

Any and all claims on behalf of any person arising out of employment or alleged employment (including, but not limited to, claims of discrimination) against a party, its officers, or its agents will in no way be the responsibility of the other party.

§5.04 Confidentiality of Information Received.

Each party is an independent contractor under this agreement, and, as such, each party owes a normal professional and fiduciary duty of loyalty to the other party with respect to matters under this agreement. Consequently, any information of which a party or its employees become aware, either directly or indirectly, which touches and concerns substantial matters (meaning matters of importance, not trivial matters) to the other party, must be treated as confidential. Such confidential information will not be disclosed to any third party without the express, written permission of the other party, nor will such confidential information be used by the party or its employees, agents, or subcontractors for corporate or personal benefit. This prohibition on disclosure and use will be in effect during the term of this contract and will survive the termination date for a period of two (2) years thereafter.

§5.05 Applicability to Subcontractors.

If some of the services provided by either party are carried out by subcontractors, the parties to this agreement will remain solely responsible for fulfilling the terms of this contract and will be the sole point of contact regarding all contractual matters. All provisions of this contract will be made binding on any such subcontractors.

§5.06 Permits and Licenses; Insurance; Notice of Coverage.

The parties shall procure and pay for all permits, licenses, and approvals necessary for the performance of their obligations under this contract.

Each party will procure at its own expense and keep in force throughout the Contract Term general and vehicle liability insurance in commercially reasonable amounts covering its ambulances and equipment and professional liability insurance covering its employed and contracted staff in amounts not less than one million dollars (\$1,000,000) per occurrence and three million dollars (\$3,000,000) in aggregate per policy year.

All insurance policies must be issued by reputable insurance companies authorized to do business in Nebraska, by participation in a risk management pool pursuant to the Nebraska Intergovernmental Risk Management Act, or by participation under the Nebraska Hospital-Medical Liability Act.

Each party agrees to provide the other with not less than ten (10) days' prior written notice of any reduction or cancellation in such insurance coverage and/or participation, and to provide the other party with proof of such insurance coverage and/or participation upon the other's reasonable request.

§5.07 Compliance with Law.

The parties agree to comply with all federal, state, and local laws, regulations, and policies applicable to this contract including, but not limited to, all licensure, accreditation, and other certification standards, laws and regulations relating to Social Security and Medicare, and laws and regulations governing the privacy and security of patient health information.

§5.08 Debarment, Suspension, or Ineligibility.

Each party hereby represents and warrants that neither it nor any personnel providing services on its behalf under this agreement are currently or at any time have been (i) debarred, suspended, proposed for debarment, declared ineligible, or otherwise prohibited from participation in any federal procurement or non-procurement program, including Medicare and Medicaid, or (ii) convicted of a felony or any criminal offense related to health care. Each party agrees to immediately notify the other in writing of any such threatened, proposed, or actual debarment, suspension, ineligibility, or criminal conviction.

§5.09 Governing Law; Attorney Fees.

This agreement shall be governed by, construed according to the laws and regulations of, and subject to the jurisdiction of the State of Nebraska.

In the event of any litigation, appeal, or other legal action regarding this agreement, both parties agree to pay all expenses of such action as permitted by law and so ordered by a court of competent jurisdiction, including attorney's fees and costs, if the other party is the prevailing party.

§5.10 Non-Liability/Hold Harmless.

Each party shall protect, indemnify, and hold harmless the other party and their officers, employees, and agents from any and all liabilities, claims, or demands made by any person for property damage, injury to or death of persons, or a violation of federal or state regulations or regulatory agency requirements caused by the negligent or willful acts or omissions of the other party or its officers, employees, agents, or subcontractors. Neither party shall have the right to indemnification or contribution from the other party for any other judgments rendered against it.

§5.11 Notice.

Except as otherwise expressly provided, all notices, requests, or other communications shall be in writing and shall be deemed to have been given if delivered personally or mailed by U.S. Mail, certified or registered mail with return receipt requested, to the parties at their respective addresses as may be specified in writing by either of the parties.

All notices, requests, or communications shall be deemed effective upon personal delivery or four (4) calendar days following deposit in the mail.

§5.12 Recordkeeping; Access to Records.

All records pertinent to the work undertaken as part of this contract must be retained by the Contractor until completion of the contract and for a following period of at least five (5) years.

The Department and any other duly authorized official of the State of Nebraska must have full access to and the right to examine, audit, excerpt, or transcribe any of the Contractor's records pertaining to this contract.

§5.13 Entire Agreement; Severability; Counterparts.

This instrument and any documents incorporated herein by reference constitute the entire agreement of the parties, and any representations or promises not contained herein shall not be binding upon the parties.

If any term or condition of this agreement or the application thereof to any person or circumstance is held invalid, void, or unenforceable by a court of competent jurisdiction, such invalidity shall not affect the other portions of this agreement that can be given effect without the invalid term or condition.

This agreement or any amendment to this agreement may be signed in any number of counterparts; each of which will be considered an original, and all of which taken together will constitute one agreement or amendment, as the case may be.

ACCEPTANCE PROVISIONS.

The parties acknowledge they have read and understand this contract, they agree to its provisions, and that it will be effective on the date when both parties have signed.

CITY OF CRETE, NEBRASKA	CRETE AREA MEDICAL CENTER
By: _____ (Authorized Official)	By: _____ (Authorized Official)
_____ (Typed or Printed Name/Title)	_____ (Typed or Printed Name/Title)
_____ (Date)	_____ (Date)

DRAFT