



CITY OF SEWARD
City Council
Regular Meeting

Agenda

Tuesday, June 15, 2021 7:00 PM

**East & West Basement of the Seward
Civic Center**

NOTICE IS HEREBY GIVEN that a meeting of the City Council of the City of Seward, Nebraska will be held at 7:00 PM on Tuesday, June 15, 2021, in the Seward Civic Center East & West Basement, 616 Bradford St, Seward, NE 68434, which meeting will be open to the public. The Mayor and City Council reserve the right to adjourn into Closed Session as per Section 84-1410 of the Nebraska Revised Statutes. An Agenda for such meeting, kept continually current, is available at the Office of the City Clerk, 537 Main Street, Seward, Nebraska, during normal business hours. Individuals requiring physical or sensory accommodations, who desire to attend or participate, please contact the City Clerk's Office at 402.643.2928 no later than 3:30 PM on the Friday preceding the Council Meeting.

City financial claims and related invoices will be available for Council member review, audit and voluntary signatures at Council Chambers beginning 30 minutes prior to the scheduled meeting time.

CALL TO ORDER

PLEDGE OF ALLEGIANCE

DISCLOSURE OF OPEN MEETINGS ACT & OTHER NOTIFICATIONS

This is an Open Meeting of the Seward Nebraska Governing Body. The City of Seward abides by the Nebraska Open Meetings Act in conducting business. A copy of the Nebraska Open Meetings Act is displayed on the north wall of this meeting room facility as required. Disclosure of meeting recording processes is posted in the Meeting Room. A participant sign-in sheet is available for use by any Citizen addressing the Council. Presenters shall approach the podium, state their name & address for the Clerk's record and are asked to limit remarks to five minutes. All remarks shall be directed to the Mayor who shall determine by whom any appropriate response shall be made. The City of Seward reserves the right to adjust the order of items on this Agenda if necessary and may elect to take action on any of the items listed.

ROLL CALL

MINUTES

1. Draft Minutes of June 1, 2021 - City Clerk Bargmann

CONSENT AGENDA

1. Claims & Payables Reports
2. City Treasurer Report
3. City Codes Director Report
4. Police Department Report
5. Infrastructure Cost Items Reimbursable Back to the City

CONFIRMATION OF MAYOR APPOINTMENTS

1. Reappoint Members to Various Boards and Committees:
A. Rick Endicott to the Civic Center Commission for a 3-Yr Term

ADMINISTRATIVE ITEMS

1. Consideration of Seward County E911 Interlocal Budget - E911 Director Andrew Matney
2. Updated Job Description for Assistant Library Director - City Administrator Butcher
3. Award Bid for Seward Volunteer Fire Department Unit 42 2000 Gallon Dry Side Poly Tanker to Deep South Fire Trucks in the amount of \$273,465 - City Administrator Butcher

REPORTS

1. City Administrator's Report - City Administrator Butcher

FUTURE REQUESTS FOR COUNCIL AGENDA ITEMS OR

ADMINSTRATIVE ACTION

ANNOUNCEMENT OF UPCOMING EVENTS

STRATEGY SESSION

1. Strategy Session with City Attorney to Provide Negotiation Guidance Concerning Real Estate Interests for Construction of a New Water Tower - City Administrator Butcher

MOTION TO ADJOURN

I, Derek Bargmann, the duly appointed qualified and acting City Clerk of the City of Seward, Nebraska, hereby certify:

That the foregoing Notice of Meeting and Agenda for such meeting has been posted in the following places: Seward City Hall, Seward County Courthouse, Seward Memorial Library and CityofSewardNE.com

IN WITNESS WHEREOF, I have hereunto set my hand officially and affixed the seal of the City.

Derek Bargmann
City Clerk

Date

June 1, 2021

The Seward City Council met at 7:00 p.m. on Tuesday, June 1, 2021, with Mayor Joshua Eickmeier presiding and City Clerk/HR Director Derek Bargmann recording the proceedings. Upon roll call, the following Councilmembers were present: Ellen Beck, Alyssa Hendrix, Sid Kamprath, Jessica Kolterman, Karl Miller, Chris Schmit, John Singleton, Jonathon Wilken. Councilmembers Absent: None. Other officials present: City Administrator Greg Butcher, City Attorney Kelly Hoffschneider.

Notice of the meeting was given in advance thereof by the method of communicating advance notice of the regular and special meetings of the City Council of the City of Seward, Nebraska, as stated in Ordinance No. 2015-08, which was adopted on the 5th day of May, 2015; said method stating that the notice of such meeting, with the agenda thereon, be posted in the following places: City Hall, Seward County Courthouse, Municipal Building, and Seward Memorial Library. The certificate of posting notice is attached to these minutes. Notice of this meeting was simultaneously given to the Mayor and all members of the City Council and a copy of their acknowledgment of receipt of notice and the agenda are attached to these minutes. Availability of the agenda was communicated in the advance notice and in the notice to the Mayor and Council of this meeting. All proceedings hereafter shown were taken while the convened meeting was open to the attendance of the public.

THE PLEDGE OF ALLEGIANCE

Mayor Eickmeier announced that a copy of the Agenda for this meeting is posted in the room of the Civic Center and copies are available where a copy of the Open Meetings Act is also posted for public inspection. He also noted that any citizen wishing to address the Council should come to the podium, state their name and address and limit their comments to five minutes. All remarks should be directed to the Mayor/Chairperson, who will then determine who will make any appropriate response. The City of Seward reserves the right to adjust the order of items on this agenda if necessary and may elect to take action on any of the items listed.

REORGANIZATION - No items

1. APPROVAL OF MINUTES OF MAY 18, 2021 COUNCIL MEETING

Councilmember Singleton moved, seconded by Councilmember Schmit, that the minutes of the May 18, 2021 City Council meeting be approved.

Aye: Beck, Hendrix, Kamprath, Kolterman, Miller, Schmit, Singleton, Wilken
Nay: None
Absent: None. Motion carried.

1-6. CONSENT AGENDA CONSIDERATION ITEMS

The following Consent Agenda items were approved in one single motion made by Councilmember Singleton, seconded by Councilmember Wilken:

1. Claims & Payables Reports
2. Seward County Chamber & Development Partnership Report
3. Infrastructure Cost Items Reimbursable Back to the City

June 1, 2021

COUNCIL MEETING

Abbreviations: BE, Benefits; BU, Building Upkeep; CI, Capital Improvements; DO, Donations; EQ, Equipment; EX, Expense; FA, Fixed Asset; GS, Gas; GU, Ground Upkeep; IT, Technology; IV, Inventory; MA, Maintenance; MC, Miscellaneous; MH, Merchandise; MI, Mileage; ML, Meals; MS, Memberships; OI, Oil; OP, Operations; PO, Postage; RE, Repairs; RI, Reimbursement; SA, Salaries, SE, Services; ST, Sales Tax; SU, Supplies; TG, Training; TO, Tools; TR, Transfer; UN, Uniforms; UT, Utilities,

Akrs Equipment	RE		3,678.92
Altec Industries Inc	TO		1,350.79
American Red Cross	MS		189.00
Aqua-Chem Inc	BU		3,399.85
Arps	CI		10,824.41
Barco Municipal Products	SU		1,852.44
Blue Cross Blue Shield Ne	BE		50,641.48
Blue To Gold Law Enforce	TG		159.00
Bluestem Network Llc	SE		100.00
Border States Industries	IV		497.29
Brown Lucas	SE		40.00
Capital Business-Cheyenne	RE		179.50
Capital Business-Dallas	SE		415.78
Carroll Construction Supp	SU		129.00
Chase Card Service			9,074.41
Amazon Marketplace	SU	1603.89	
Constant Contact (EIG)	IT	20.00	
Coro Medical LLC	SU	68.94	
Dragon Palace	ML	157.40	
ELifeGuard	SU	1059.95	
Grainger	RE	57.23	
JRL Electric Supply	SU	350.00	
KK Insurance	BE	442.00	
Lifeguard Store	SU	102.44	
Lou & Mary Anne's Bar	ML	180.30	
Mattice Lock and Safe	BU	420.40	
Microsoft	IT	123.60	
Northern Tool	TO	726.03	
Office Depot	SU	637.54	
Orscheln	SU	74.89	
Poolweb	SU	158.32	
Runza	ML	117.87	
Sam's Club	SU	236.34	
Seward Car Wash	SU	10.00	
Taltech	IT	67.00	
The American Legion	MS	495.00	
The Home Depot	SU	1036.08	
USPS	PO	69.80	
Valentino's	ML	191.73	
Wal-Mart	SU	582.86	
ZoomShift	IT	84.80	
City Seward Buildings/Gr	OP		3,000.00
City Seward Electric Fund	UT		38,438.78
City Seward Library Petty	SU		103.80
City Seward Payroll Accou	SA		148,049.53
City Seward Street Fund	TR		805,000.00
City Seward Wastewater Tr	TR		15,000.00

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City Seward Water Sinking	TR	20,000.00
Commonwealth Electric Co	PU	638.88
Ehrlich Roy D	RI	13.00
Entertainment Group	SE	475.00
Era	SU	662.61
Fastenal Company	SU	182.09
Fontenelle Forest	SE	184.16
Foreup Golf Software	SE	455.00
Gehring Construction	CI	65,228.53
Geidel Amanda / Jeremy	SE	40.00
General Fire & Safety Equ	BU	175.50
Gerhold Concrete Co Inc	CI	2,136.81
Great Plains Communicatio	SE	490.00
H & S Plumbing Heating &	BU	166.76
Hamilton Equipment Compan	RE	72.92
Henry Doorly Zoo	SE	375.00
Hireright Llc	SE	184.94
Hobson Automotive & Tire	OI	132.00
Hornung'S Golf Products I	SU	525.77
Husker Auto Group Llc	FA	34,262.00
Husker Electric Supply Co	GU	1,189.49
K & Z Distributing	SU	516.00
Klenke Danielle/Nathan	SE	40.00
Last Mile Network Consult	IT	75.30
Linpepco	SU	298.70
Logan Contractors Supply	RE	267.50
Mailand'S Clothing	UN	59.00
Menards North	BU	286.17
Metering & Technology Sol	IV	1,472.23
Mid-American Benefits Inc	BE	506.31
Midwest Turf & Irrigation	RE	186.44
Morse Laurie	RI	115.47
Municipal Supply Omaha	RE	1,054.86
Ne Environment & Energy	TG	150.00
Nebraska Bounce	SE	320.00
Nebraska D A S Acct Ocio	SE	231.00
Nebraska Equipment Inc	RE	22.14
Nebraska Fire Marshal	BE	36.00
Nebraska Golf Association	MS	198.00
Nebraska Health Environme	SE	184.00
Nebraska Pub Pow-Desmoine	UT	373,009.64
Nebraska Rural Water Asso	TG	325.00
Nebraska Safety Council	TG	415.00
Nebraska Society Certifie	TG	720.00
Norris Public Power Distr	UT	935.36
Northern Safety Co Inc	SU	68.88
Olson Cameron	SE	40.00
Olsson	SE	263.87
O'Reilly Automotive Inc	SU	101.08
Orscheln Farm & Home	SU	608.47
Pavers Inc	CI	5,484.05
Principal Financial Group	BE	2,135.89
Quality Brands Of Lincoln	SU	1,477.75
Republic National	SU	1,029.58
Rose Equipment Inc	SU	1,940.00
Sack Lumber Company	BU	35.25
Sam'S Club (Lib-Rec-Pool)	MH	464.43
Sapp Brothers Petroleum I	GS	9,916.00

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Sargent Drilling Inc	SE	22,335.64
Seward Kiwanis Club	GU	96.20
Short Elliott Hendrickson	SE	6,050.11
Siebert Ben/Jessie	MC	2,500.00
Southern Glazer'S Of Ne	SU	1,189.86
Spickelmier & Son Inc	SU	424.80
St P J Supply Inc	GU	40.29
State Distributing Co	SU	319.75
Taylor Carl	SE	40.00
The Sprinkler Guy	RE	211.75
Tiemann Alan	MC	2,500.00
Time Warner Cable	SE	752.06
Total Tool Supply Inc	MA	8,190.00
Trimax Mowing Systems	RE	63.37
U S A Bluebook - Cust 812	BU	3,567.71
U S Cellular	SE	260.44
Verizon Wireless	SE	230.07
Wildlife Encounters	SE	385.00
Wreckonciled Collision Ce	RE	519.60
CLAIMS TOTAL		\$1,674,380.46

Aye: Beck, Hendrix, Kamprath, Kolterman, Miller, Schmit, Singleton, Wilken
Nay: None
Absent: None. Motion carried.

CONFIRMATION OF MAYOR APPOINTMENTS

Councilmember Kamprath moved, seconded by Councilmember Schmit, that Mayor Eickmeier's reappointments to the following Boards and Commissions be confirmed:

Jean Kolterman and Jan Matzke to the Civic Center Commission for a 3-Yr Term; Charles Matzke to the Tree Board for a 3-Yr Term; Jeremy Tonniges, Scott Seevers, and Clarence Kotera to the Planning Commission for a 3-Yr Term; Jeremy Tonniges to the LB840 Sales Tax Application Review Board for Economic Development for a 3-Yr Term; Larry Ruether and Cory Mueller to the Electricians Board for a 2-Yr Term; Ryne Seaman to the Community Redevelopment Authority for a 5 Year Term; Roger Glawatz and Greg Zabka to the Cemetery Board for a 3-Yr Term.

Aye: Beck, Hendrix, Kamprath, Kolterman, Miller, Singleton, Schmit, Wilken
Nay: None
Absent: None. Motion carried.

Councilmember Wilken moved, seconded by Councilmember Hendrix, that Mayor Eickmeier's appointments to the following Boards and Commissions be confirmed:

Patricia Bruenger to the Aging Services Commission Board for a 2-Yr Term;
Tim Dworak to the Electricians Board for a 2-Yr Term.

Aye: Beck, Hendrix, Kamprath, Kolterman, Miller, Singleton, Schmit, Wilken
Nay: None
Absent: None. Motion carried.

PUBLIC HEARINGS - no items

June 1, 2021

ADMINISTRATIVE ITEMS

1. ORDINANCE DIRECTING THE CONVEYANCE OF REAL PROPERTY, LEGALLY DESCRIBED AS ALL OF THE WEST FORTY FIVE (45) FEET OF THE SOUTH HALF (S1/2) OF LOT FIVE (5), IN BLOCK SEVEN (7), IN THE ORIGINAL TOWN (NOW CITY) OF SEWARD, NEBRASKA, TO OLD TOWN SQUARE, LLC

City Administrator Butcher stated that Old Town Square, LLC approached the City to purchase the described property, adjacent to two properties owned by the LLC. It was determined the value of the land was approximately \$10,200, less \$6,000 for commercial concrete to improve the property, to equal \$4,200 for sale price of the property. City will likely need an easement to be drafted for electrical access of said property.

Mayor Eickmeier opened the public hearing. With no additional public comment, Mayor Eickmeier closed the public hearing.

Councilmember Kamprath moved, seconded by Councilmember Hendrix, that the minutes of the proceedings of the Mayor and Council of the City of Seward, Seward County, Nebraska in the matter of passing and approving: **Ordinance No. 2021-14**, "AN ORDINANCE TO DIRECT THE CONVEYANCE OF REAL PROPERTY TO OLD TOWN SQUARE, LLC; TO PROVIDE FOR PUBLICATION OF THIS ORDINANCE IN PAMPHLET FORM; TO PROVIDE FOR A TIME WHEN THIS ORDINANCE SHALL TAKE EFFECT."

Aye: Beck, Hendrix, Kamprath, Kolterman, Miller, Singleton, Schmit, Wilken
Nay: None
Absent: None. Motion carried.

2. REQUEST BY H & H RECREATION INC., 123 S 4TH STREET, FOR A SPECIAL DESIGNATED LIQUOR LICENSE FOR A BEER GARDEN FROM 6A - 2A ON JULY 2-4, 2021

Councilmember Singleton moved, seconded by Councilmember Kolterman that recommendation be made to the Nebraska Liquor Control Commission that a Special Designated Liquor License be issued to H & H Recreation Inc., 123 S 4th Street, Seward, for a fundraising event at 101 S 4th Street, Seward, on July 2-4, 2021.

Aye: Beck, Hendrix, Kamprath, Kolterman, Miller, Singleton, Schmit, Wilken
Nay: None
Absent: None. Motion carried.

REPORTS

1. CITY ADMINISTRATOR'S REPORT

Councilmember Kolterman moved, seconded by Councilmember Singleton, that City Administrator Butcher's report of June 1, 2021 be accepted.

Aye: Beck, Hendrix, Kamprath, Kolterman, Miller, Singleton, Schmit, Wilken
Nay: None
Absent: None. Motion carried.

FUTURE REQUESTS FOR COUNCIL AGENDA ITEMS OR ADMINISTRATIVE ACTION

None

ANNOUNCEMENT OF UPCOMING EVENTS

June 1, 2021

June 2nd - Seward July 4th Kickoff Event

June 10 - Coffee and Contacts at GBE, CPA

June 29 - Diversity and Inclusion Summit

July 22nd - Business Anniversaries Luncheon

STRATEGY SESSION

1. STRATEGY SESSION REGARDING REAL ESTATE INTEREST

At 7:24 p.m., Councilmember Miller moved, seconded by Councilmember Kamprath, that the Council enter a closed session with the Mayor, City Administrator, City Clerk and City Attorney, for the protection of the public interest and to discuss real estate interests and to provide the City Attorney with negotiating guidance for a period not to exceed 30 minutes.

Aye: Beck, Hendrix, Kamprath, Kolterman, Miller, Singleton, Schmit, Wilken

Nay: None

Absent: None. Motion carried.

Mayor Eickmeier stated the Council has voted to go into closed session for the protection of the public interest and to discuss real estate interests and to provide the City Attorney with negotiating guidance.

At 7:42 p.m., the closed session ended, and the following Councilmembers reconvened to regular session: Beck, Hendrix, Kamprath, Kolterman, Miller, Singleton, Schmit, Wilken.

Mayor Eickmeier announced that no formal action was taken during the executive session.

MOTION TO ADJOURN

Councilmember Singleton moved, seconded by Councilmember Schmit, that the June 1, 2021 City Council Meeting be adjourned. Adjourned approximately 7:43 PM.

Aye: Beck, Hendrix, Kamprath, Kolterman, Miller, Singleton, Schmit, Wilken

Nay: None

Absent: None. Motion carried.

THE CITY OF SEWARD, NEBRASKA

Joshua Eickmeier, Mayor

Derek Bargmann
City Clerk

CLAIMS LIST

6-15-21

COUNCIL MEETING

Abbreviations: BE, Benefits; BU, Building Upkeep; CI, Capital Improvements; DO, Donations; EQ, Equipment; EX, Expense; FA, Fixed Asset; GS, Gas; GU, Ground Upkeep; IT, Technology; IV, Inventory; MA, Maintenance; MC, Miscellaneous; MH, Merchandise; MI, Mileage; ML, Meals; MS, Memberships; OI, Oil; OP, Operations; PO, Postage; RE, Repairs; RI, Reimbursement; SA, Salaries, SE, Services; SL, Sales; ST, Sales Tax; SU, Supplies; TG, Training; TO, Tools; TR, Transfer; UN, Uniforms; UT, Utilities,

ADE	RE	68.00
All Makes Office-Omaha	SU	369.00
Amazon.Com Credit Service	SU	906.78
Aqua-Chem Inc	MA	39.11
ARPS	CI	14,030.79
Austin T J	SE	60.00
Baker & Taylor	SU	3,337.90
Benes Service	RE	59.34
Bizco Technologies	SE	4,608.78
Blue To Gold Law Enforce	TG	159.00
Border States Industries	IV	1,786.63
Bridgestone Golf	MH	79.32
Campbell Cleaning	SE	2,137.50
Cattle Bank & Trust	FA	27,166.26
Center Point Large Print	SU	180.00
City Seward Library Petty	SU	119.73
City Seward Merchant Serv	SE	3,504.47
City Seward Payroll Accou	SA	163,488.71
City Seward Perpetual Fd	SL	1,350.00
Commonwealth Electric Co	BU	5,690.98
Control Services Inc	MA	14,420.00
Core Hannah	OP	40.00
Core Robert	RI	31.00
Crete Glass	GU	219.00
Danko Emergency Equipment	EQ	1,707.84
Davis Dean	SE	420.00
Dutton-Lainson Co	IV	23,941.26
Emergency Medical Product	EQ	1,065.68
Exchange Bank	FA	3,300.00
Faller Landscape	GU	1,672.57
Farmers Coop Seward	GS	57.78
Fast Mart	GS	59.33
Fyr-Tek	EQ	315.00
Galls LLC	UN	5.98
Gardiner Cale/Alicia	SE	40.00
Geidel Amanda/Jeremy	SE	140.00
General Fire & Safety Equ	EQ	380.85
Gerhold Concrete Co Inc	CI	1,254.04
Graham Tire	RE	1,112.16
H & S Plumbing Heating &	BU	6,844.46
Hach Company	SU	43.29
Herpolsheimer's Inc	RE	447.98
Heyen'S Service & Custom	SE	63.95
Hobson Automotive & Tire	RE	176.00
Hoffschneider Law PC LLO	SE	4,500.00
Hornung'S Golf Products I	MH	114.49
Husker Electric Supply Co	IV	53.39

Hydraulic Equipment Serv	RE	320.02
J C I Industries Inc	BU	2,585.00
Jackson Services Inc	SU	53.50
JRL Electric Supply Inc	BU	350.00
K & Z Distributing	SU	212.00
Kuefner Ben	SE	300.00
Larson Shelbi	SE	120.00
Last Mile Network Consult	SE	90.00
Lee'S Refrigeration	RE	1,251.50
Lincoln Windustrial Co	BU	46.93
Loos Kolton	SE	80.00
Matheson Tri-Gas Inc	SU	17.86
Mead Lumber & Rental-York	RE	103.17
Merle'S Garden Center	SE	646.00
Mid-American Benefits Inc	BE	1,792.25
Midwest Auto Parts	RE	35.49
Midwest Automotive	RE	237.03
Midwest Laboratories Inc	SE	775.17
Midwest Turf & Irrigation	RE	156.52
Morse Laurie	OP	40.00
Nebraska Equipment Inc	EQ	454.38
Nebraska Golf & Turf	RE	65.57
Nebraska Notary Associati	MS	102.18
Nebraska Nursery & Landsc	MS	100.00
Niemann'S Port-A-Pot Llc	SE	115.00
Nifco Mechanical Systems	SE	200.00
Norris Public Power Distr	UT	779.99
Olsson	UT	6,400.26
One Call Concepts Inc	SE	132.63
O'Reilly Automotive Inc	RE	37.81
Orscheln Farm & Home	SU	678.88
Pac 'N' Save Discount Foo	ML	6,193.15
Peery Shea	OP	40.00
Quality Brands Of Lincoln	SU	1,414.45
Quill Corp	SU	212.22
Rose Equipment Inc	RE	1,742.58
Schemmer Architects Engin	CI	1,020.00
Seward Airport Authority	OP	950.00
Seward County Chamber & D	SE	1,291.37
Seward County Independent	PO	59.00
Seward County Treasurer	OP	19,217.17
Seward Lumber & Home Cent	SU	282.91
Seward Public Schools	MC	110.00
Seward Wind LLC	UT	36,017.71
Siteone Landscape Supply	GU	224.28
Sports Express	MH	929.65
St P J Supply Inc	SU	65.96
State Distributing Co	SU	326.40
Suhr & Lichty Insurance A	BE	2,520.00
Tennis Courts Unlimited	GU	29,955.00
That Tuning Guy	SE	210.00
The Power Gripz	SU	417.12
The Sprinkler Guy	RE	685.00
Tk Elevator Corp	SE	1,475.00
Tomasevicz Curtis	SE	280.00
Total Tool Supply Inc	TO	424.00
U S A Bluebook - Cust 812	SU	48.95
Verizon Wireless	SE	204.05
Veseris	SU	650.00
Visa - Pinnacle Bank	SU	859.15

Amazon Prime	MS	119.00	
Bluestem Network	SE	115.00	
Demco	SU	141.95	
GoDaddy	SE	32.17	
Hail Varsity	MS	29.99	
Harlequin	IV	29.79	
Hemmings	MS	87.95	
Hoffman Media	MS	39.98	
Sam's Club	SU	174.96	
Sat Evening Post	MS	45.00	
Wal-Mart	SU	27.33	
Zoom	MS	16.03	
Wesco Distribution Inc	UT		14,886.38
Wessel Hailey	SE		45.00
White Cap	SU		1,855.90
Windstream Nebraska Inc	SE		2,154.37
Woods & Aitken LLP	SE		244.00
York County Emergency M	SU		9.60
York Equipment	SU		324.85
	CLAIMS TOTAL		437,192.71

TREASURER'S REPORT		MONTH OF: MAY 2021				
VARIANCE AT: 66.67%						
	REVENUE	CURRENT YTD		UNEXPENDED	PREVIOUS YTD	DIFFERENCE
DEPARTMENT	BUDGET	REVENUE	VARIANCE	BALANCE	REVENUE	B/W BUDGET YEARS
ELECTRIC	10,912,820	6,558,934	60%	4,353,886	5,905,664	653,270
ELEC BOND PYMT						
WATER	1,888,000	1,258,480	67%	629,520	1,174,251	84,229
WATER BOND PYMTS						
WATER SINKING FUND	20,000	20,000	100%	- 0 -	20,000	- 0 -
WASTEWATER TREATMENT	1,580,092	1,160,959	73%	419,133	1,050,958	110,001
WWTW BOND PYMT						
WWTW SINKING FUND	15,000	15,000	100%	- 0 -	15,000	- 0 -
TOTAL BUSINESS-TYPE FUNDS	14,415,912	9,013,372	63%	5,402,540	8,165,873	847,499
GENERAL (LESS DONATIONS)						
DONATIONS						
LEGAL						
POLICE	7,900	202,245	2560%	(194,345)	7,832	194,414
E911						
POLICE EQUITABLE SHARING	100,000	- 0 -	0%	100,000	- 0 -	- 0 -
STREET	1,786,311	1,620,004	91%	166,307	5,582,663	(3,962,659)
STREET STP	145,328	145,320	100%	8	144,383	936
DEBT SERVICE	845,474	843,210	100%	2,264	573,880	269,330
RAIL CAMPUS	1,000	696,773	69677%	(695,773)	6,000	690,773
CDBG ECON. DEV. LOAN FUND	- 0 -	- 0 -	0%	- 0 -	583	(583)
CDBG AFFORD HOUSING	- 0 -	- 0 -	0%	- 0 -	- 0 -	- 0 -
CDBG RURAL ENTERPRISE ASST	- 0 -	- 0 -	0%	- 0 -	- 0 -	- 0 -
CDBG RAIL SITE	- 0 -	- 0 -	0%	- 0 -	- 0 -	- 0 -
CDBG DOWNTOWN REVITAL GRANT	83,000	87,868	106%	(4,868)	141,513	(53,645)
BLDGS & GRDS (CITY HALL)	36,000	24,000	67%	12,000	24,000	- 0 -
CIVIC CENTER	268,313	99,545	37%	168,768	86,302	13,243
LIBRARY	57,100	44,755	78%	12,345	22,005	22,750
LIBRARY MAINTENANCE FUND	- 0 -	- 0 -	0%	- 0 -	44	(44)
PUBLIC PROPERTIES	12,050	26,896	223%	(14,846)	74,114	(47,217)
CEMETERY	40,000	45,375	113%	(5,375)	33,150	12,225
GOLF COURSE	275,350	238,622	87%	36,728	155,300	83,322
NEW PARK DEVELOPMENT	275	49	18%	226	222	(173)
NEW CEMETERY DEVELOPMENT	500	146	29%	354	663	(517)
GUTHMAN TRUST - REGULAR	260	185	71%	75	235	(50)
GUTHMAN TRUST - PAVING	100	15	15%	85	70	(55)
PERPETUAL CARE - PRINCIPAL	6,000	5,100	85%	900	5,250	(150)
PERPETUAL CARE - INTEREST	500	175	35%	325	752	(577)
BLDGS & GRDS (OTHER)	150	- 0 -	0%	150	- 0 -	- 0 -
BUILDING INSPECTION	98,000	68,147	70%	29,853	116,526	(48,379)
FIRE (LESS DONATIONS)	50,000	- 0 -	0%	50,000	- 0 -	- 0 -
FIRE DONATIONS	100,000	- 0 -	0%	100,000	- 0 -	- 0 -
FIRE EQUIPMENT SINKING FUND	63,000	17,077	27%	45,923	17,313	(236)
TREE BOARD	- 0 -	- 0 -	0%	- 0 -	- 0 -	- 0 -
PLANNING COMMISSION	105,100	3,114	3%	101,986	2,937	177
ENGINEER	108,937	- 0 -	0%	- 0 -	38,648	(38,648)
DOWDING POOL (LESS DONATIONS)	80,050	12,597	16%	67,453	280	12,316
POOL DONATIONS	1,000	- 0 -	0%	1,000	- 0 -	- 0 -
CONCESSION STAND	800	- 0 -	0%	800	- 0 -	- 0 -
SWIMMING LESSONS	17,000	4,353	26%	12,648	- 0 -	4,353
RECREATION	36,850	26,069	71%	10,781	13,486	12,583
SPORTS COMPLEX LIGHTS	150	30	20%	120	182	(152)
SENIOR CENTER	78,500	31,345	40%	47,155	45,637	(14,292)
SENIOR SHUTTLE	3,438	314	9%	3,124	1,895	(1,581)
RECYCLING	- 0 -	2,841	0%	(2,841)	506	2,335
ECONOMIC DEVELOPMENT	244,444	160,151	66%	84,293	171,518	(11,367)
TAX INCREMENT FINANCING	359,943	221,804	62%	138,139	377,856	(156,052)
GENERAL REVENUES	4,324,300	2,556,345	59%	1,767,955	2,365,813	190,532
TOTAL GOVERNMENTAL FUNDS	9,337,123	7,184,469	77%	2,043,717	10,011,557	(2,827,087)
(UNAUDITED)						

TREASURER'S REPORT		MONTH OF: MAY 2021					
VARIANCE AT: 66.67%							
	EXPENDITURES	CURRENT YTD			UNEXPENDED	PREVIOUS YTD	DIFFERENCE
DEPARTMENT	BUDGET	EXPENDITURES	VARIANCE		BALANCE	EXPENDITURES	B/W BUDGET YEARS
ELECTRIC	11,283,522	5,989,372	53%		5,294,150	7,018,582	(1,029,210)
ELEC BOND PYMT	498,087	451,156	91%		46,931	444,978	6,179
WATER	2,976,533	906,751	30%		2,069,782	1,006,635	(99,884)
WATER BOND PYMTS	376,691	363,805	97%		12,886	375,862	(12,057)
WATER SINKING FUND	- 0 -	- 0 -	0%		- 0 -	24,664	(24,664)
WASTEWATER TREATMENT	2,711,816	963,702	36%		1,748,114	734,315	229,387
WWTW BOND PYMT	312,665	38,938	12%		273,727	43,925	(4,987)
WWTW SINKING FUND	- 0 -	- 0 -	0%		- 0 -	- 0 -	- 0 -
TOTAL BUSINESS-TYPE FUNDS	18,159,314	8,713,724	48%		9,445,590	9,648,960	(935,236)
GENERAL (LESS DONATIONS)	1,000,387	932,012	93%		68,375	692,869	239,143
DONATIONS	100,000	10,998	11%		89,002	12,098	(1,100)
LEGAL	69,610	42,219	61%		27,391	48,053	(5,833)
POLICE	1,414,575	812,781	57%		601,794	812,839	(58)
E911	230,606	153,737	67%		76,869	130,848	22,890
POLICE EQUITABLE SHARING	100,000	1,480	1%		98,520	- 0 -	1,480
STREET	2,471,594	1,258,331	51%		1,213,263	1,444,021	(185,691)
STP FUNDS	145,318	145,318	100%		0	138,834	6,484
DEBT SERVICE	1,040,474	973,464	94%		67,010	443,264	530,201
RAIL CAMPUS	31,000	501,505	1618%		(470,505)	52,902	448,603
CDBG ECON. DEV. LOAN FUND	- 0 -	- 0 -	0%		- 0 -	144,267	(144,267)
CDBG AFFORD HOUSING	- 0 -	- 0 -	0%		- 0 -	- 0 -	- 0 -
CDBG RURAL ENTERPRISE ASST	- 0 -	- 0 -	0%		- 0 -	- 0 -	- 0 -
CDBG RAIL SITE	- 0 -	- 0 -	0%		- 0 -	- 0 -	- 0 -
CDBG-DOWNTOWN REVITAL GRANT	83,000	90,293	109%		(7,293)	141,513	(51,219)
BLDGS & GRDS (CITY HALL)	41,413	19,478	47%		21,935	18,910	567
CIVIC CENTER	268,313	121,775	45%		146,538	95,260	26,514
LIBRARY	591,096	385,022	65%		206,074	320,816	64,206
LIBRARY MAINTENANCE FUND	- 0 -	- 0 -	0%		- 0 -	19,714	(19,714)
PUBLIC PROPERTIES	474,818	256,965	54%		217,853	258,707	(1,742)
CEMETERY	181,848	105,763	58%		76,085	104,716	1,047
GOLF COURSE	490,245	254,103	52%		236,142	316,755	(62,652)
NEW PARK DEVELOPMENT	- 0 -	100	0%		(100)	68,607	(68,507)
NEW CEMETERY DEVELOPMENT	1,000	- 0 -	0%		1,000	- 0 -	- 0 -
GUTHMAN TRUST - REGULAR	145	- 0 -	0%		145	- 0 -	- 0 -
GUTHMAN TRUST - PAVING	- 0 -	- 0 -	0%		- 0 -	- 0 -	- 0 -
PERPETUAL CARE - PRINCIPAL	- 0 -	- 0 -	0%		- 0 -	- 0 -	- 0 -
PERPETUAL CARE - INTEREST	- 0 -	- 0 -	0%		- 0 -	- 0 -	- 0 -
BLDGS & GRDS (OTHER)	10,825	2,258	21%		8,567	1,412	845
BUILDING INSPECTION	114,698	47,645	42%		67,053	57,561	(9,916)
FIRE (LESS DONATIONS)	337,259	85,515	25%		251,744	55,991	29,524
FIRE DONATIONS	100,000	- 0 -	0%		100,000	- 0 -	- 0 -
FIRE EQUIPMENT SINKING FUND	- 0 -	- 0 -	0%		- 0 -	- 0 -	- 0 -
TREE BOARD	12,550	151	1%		12,399	30	121
PLANNING COMMISSION	222,822	9,797	4%		213,025	62,499	(52,702)
ENGINEER	143,916	89,902	62%		- 0 -	73,889	16,014
DOWDING POOL (LESS DONATIONS)	312,561	74,535	24%		238,026	101,451	(26,916)
POOL DONATIONS	1,000	- 0 -	0%		1,000	- 0 -	- 0 -
CONCESSION STAND	- 0 -	- 0 -	0%		- 0 -	- 0 -	- 0 -
SWIMMING LESSONS	13,858	- 0 -	0%		13,858	- 0 -	- 0 -
RECREATION	306,851	149,680	49%		157,171	147,775	1,906
SPORTS COMPLEX LIGHTS	- 0 -	- 0 -	0%		- 0 -	30,000	(30,000)
SENIOR CENTER	164,786	84,099	51%		80,687	93,639	(9,539)
SENIOR SHUTTLE	3,438	2,015	59%		1,423	2,060	(46)
RECYCLING	34,816	24,283	70%		10,533	27,724	(3,441)
ECONOMIC DEVELOPMENT	244,444	120,007	49%		124,437	1,859	118,148
TAX INCREMENT FINANCING	349,743	94,254	27%		255,489	170,823	(76,569)
TOTAL GOVERNMENTAL FUNDS	11,109,009	6,849,486	62%		4,205,509	6,091,707	757,779

(UNAUDITED)

Pledges By Pledgee And Maturity



Pledged To: CITY TREASURER

Jones Bank - Seward, NE

As Of 5/31/2021

Receipt# Safekeeping Location	CUSIP	ASC 320	Description Maturity Prerefund	Pool/Type Coupon	Moody S&P	Original Face Pledged Percent	Pledged			
							Original Face	Par	Book Value	Market Value
661615SQ8 COMM: COMMERCE BANK	AFS	N PLATTE-REF NE 28 06/01/28		2.60		200,000.00 100.00%	200,000.00	200,000.00	200,000.00	200,210.00
25936FAU6 COMM: COMMERCE BANK	AFS	DOUGLAS SANTN #513 NE 36 08/15/36		3.65		225,000.00 100.00%	225,000.00	225,000.00	225,000.00	226,091.25
412606CP8 COMM: COMMERCE BANK	AFS	HARLAN CNTY-REF NE 26 06/01/26		1.75		200,000.00 100.00%	200,000.00	200,000.00	200,000.00	200,628.00
306584AT0 COMM: COMMERCE BANK	AFS	FALLS CO UTL REV-REF NE 36 12/15/36		3.25		180,000.00 100.00%	180,000.00	180,000.00	178,453.55	181,391.40
803765BN5 COMM: COMMERCE BANK	AFS	SARPY SAN 208-REF NE 23 08/15/23 10/15/21 @ 100.00		2.15		115,000.00 100.00%	115,000.00	115,000.00	115,000.00	115,849.85
406036HY2 COMM: COMMERCE BANK	AFS	HALL CO SCH DIST NE 27 12/15/27 12/23/21 @ 100.00		3.00		250,000.00 100.00%	250,000.00	250,000.00	250,000.00	254,102.50
818483EP0 COMM: COMMERCE BANK	AFS	SEWARD-REF-ELEC REV NE 22 02/15/22		2.20		105,000.00 100.00%	105,000.00	105,000.00	105,000.00	105,148.05
803770SC1 COMM: COMMERCE BANK	AFS	SARPY CO SD #37-B-REF NE 31 06/15/31 06/15/22 @ 100.00		3.00	AA-	250,000.00 100.00%	250,000.00	250,000.00	250,000.00	257,532.50
45289MGF9 COMM: COMMERCE BANK	AFS	IMPERIAL-REF NE 22 12/15/22		1.45		190,000.00 100.00%	190,000.00	190,000.00	190,000.00	190,144.40
079212T63 COMM: COMMERCE BANK	AFS	BELLEVUE-TAX ANTIC NE 24 06/01/24		2.35		100,000.00 100.00%	100,000.00	100,000.00	100,000.00	100,130.00
810183AZ6 COMM: COMMERCE BANK	AFS	SCOTTS BLUFF SD #32 NE 24 06/15/24		2.50		250,000.00 100.00%	250,000.00	250,000.00	250,000.00	250,397.50
256449BC2 COMM: COMMERCE BANK	AFS	DODGE SD #595-QSCB NE 25 12/15/25		6.00		300,000.00 100.00%	300,000.00	300,000.00	300,000.00	300,948.00
943776JA3 COMM: COMMERCE BANK	AFS	WAVERLY-REF NE 26 06/15/26		2.25		200,000.00 100.00%	200,000.00	200,000.00	200,000.00	200,210.00

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5/28/2021 8:17 AM - BLA / JNBT

Pledges By Pledgee And Maturity



Pledged To: CITY TREASURER

Jones Bank - Seward, NE

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Receipt# Safekeeping Location	CUSIP Location	ASC 320	Description Maturity Prerefund	Pool/Type Coupon	Moody S&P	Original Face Pledged Percent	Pledged			
							Original Face	Par	Book Value	Market Value
COMM: COMMERCE BANK	148006EZ8	AFS	CASS CO SD #1 NE 26 12/15/26	2.35		200,000.00 100.00%	200,000.00	200,000.00	200,000.00	200,200.00
COMM: COMMERCE BANK	68905WEF5	AFS	OTOE CO SD #501-BLDG NE 27 12/15/27	2.00	Aa3	250,000.00 100.00%	250,000.00	250,000.00	250,000.00	250,567.50
COMM: COMMERCE BANK	840372RA6	AFS	S SIOUX CITY UTIL-A NE 28 06/01/28	2.50		250,000.00 100.00%	250,000.00	250,000.00	250,000.00	250,180.00
COMM: COMMERCE BANK	25933AFG6	AFS	DOUGLAS SID #492-REF NE 28 08/15/28	3.20		175,000.00 100.00%	175,000.00	175,000.00	175,000.00	178,610.25
COMM: COMMERCE BANK	80373YCT1	AFS	SARPY CO SID #158-REF NE 29 11/15/29	3.10		155,000.00 100.00%	155,000.00	155,000.00	155,000.00	157,878.35
COMM: COMMERCE BANK	361091BE0	AFS	FURNAS CO SD #18 NE 29 12/15/29	3.15	A2	250,000.00 100.00%	250,000.00	250,000.00	250,000.00	252,540.00
COMM: COMMERCE BANK	486841DW6	AFS	KEARNEY CO SD #503 NE 29 12/15/29	3.00	A+	250,000.00 100.00%	250,000.00	250,000.00	250,286.44	254,507.50
COMM: COMMERCE BANK	486890X92	AFS	KEARNEY NE 30 10/15/30	2.60	A+	150,000.00 100.00%	150,000.00	150,000.00	150,000.00	151,815.00
COMM: COMMERCE BANK	0792124W3	AFS	BELLEVUE-REF NE 30 12/15/30	3.10		250,000.00 100.00%	250,000.00	250,000.00	250,000.00	256,785.00
COMM: COMMERCE BANK	751265RA9	AFS	RALSTON-VEHICLE NE 32 06/01/32	3.70		300,000.00 100.00%	300,000.00	300,000.00	300,000.00	300,318.00
COMM: COMMERCE BANK	661615UB8	AFS	N PLATTE-REF NE 32 12/15/32	3.00	A-	200,000.00 100.00%	200,000.00	200,000.00	200,950.58	208,296.00
COMM: COMMERCE BANK	698864HR9	AFS	PAPILLION MUNI FACS NE 33 12/15/33	3.00	Aa1	175,000.00 100.00%	175,000.00	175,000.00	177,643.47	184,892.75
COMM: COMMERCE BANK	80449PEB7	AFS	SAUNDERS SD #9-REF NE 33 12/15/33	3.35		400,000.00 100.00%	400,000.00	400,000.00	395,429.67	400,288.00

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Pledges By Pledgee And Maturity



Pledged To: CITY TREASURER

Jones Bank - Seward, NE

As Of 5/31/2021

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Receipt#	CUSIP	ASC 320	Description	Maturity	Prerefund	Pool/Type	Moody S&P	Original Face Pledged Percent	Pledged			
									Original Face	Par	Book Value	Market Value
COMM: COMMERCE BANK	818468BN9	AFS	SEWARD-REF NE 33	12/15/33		2.35	AA	400,000.00 100.00%	400,000.00	400,000.00	400,000.00	407,920.00
COMM: COMMERCE BANK	943776KA1	AFS	WAVERLY NE 34	06/01/34		2.95		335,000.00 100.00%	335,000.00	335,000.00	335,000.00	344,346.50
COMM: COMMERCE BANK	25928KCK5	AFS	DOUGLAS SAN #466-REF NE 34	09/15/34		3.20		175,000.00 100.00%	175,000.00	175,000.00	175,000.00	175,299.25
COMM: COMMERCE BANK	25930PDA1	AFS	DOUGLAS SID #477-REF NE 34	09/15/34		4.00		150,000.00 100.00%	150,000.00	150,000.00	150,000.00	152,146.50
COMM: COMMERCE BANK	122861JN8	AFS	BURT CO PUB PWR-A-REF NE 31	07/01/36		3.50		350,000.00 100.00%	350,000.00	350,000.00	350,000.00	350,360.50
COMM: COMMERCE BANK	80378EDN2	AFS	SARPY SID #263-REF NE 36	09/15/36		3.80		260,000.00 100.00%	260,000.00	260,000.00	260,000.00	266,052.80
COMM: COMMERCE BANK	31418CGF5	AFS	FNMA 20YR	02/01/37	MA2897	3.00		1,000,000.00 100.00%	1,000,000.00	426,883.29	433,004.95	450,630.10
COMM: COMMERCE BANK	80377XCV4	AFS	SARPY CO SID #190-REF NE 37	10/15/37		4.00		205,000.00 100.00%	205,000.00	205,000.00	205,000.00	212,865.85
COMM: COMMERCE BANK	25933EDH8	AFS	DOUGLAS CO SID #473 NE 37	11/15/37		4.40		250,000.00 100.00%	250,000.00	250,000.00	250,000.00	254,117.50
COMM: COMMERCE BANK	80379KCR9	AFS	SARPY CO SID #272 NE 37	12/15/37		4.25		200,000.00 100.00%	200,000.00	200,000.00	200,000.00	202,674.00
COMM: COMMERCE BANK	25932EDK2	AFS	DOUGLAS CO SID #438 NE 38	08/15/38		4.20		250,000.00 100.00%	250,000.00	250,000.00	250,000.00	261,302.50
COMM: COMMERCE BANK	25936FBM3	AFS	DOUGLAS CO IMP DT#513 NE 38	10/15/38		2.70		100,000.00 100.00%	100,000.00	100,000.00	100,000.00	100,877.00
COMM: COMMERCE BANK	25939HBX2	AFS	DOUGLAS CO SAN&IMP DT NE 3	11/15/38		2.90		150,000.00 100.00%	150,000.00	150,000.00	150,000.00	150,244.50

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Pledges By Pledgee And Maturity

BBA

Pledged To: CITY TREASURER

Jones Bank - Seward, NE

As Of 5/31/2021

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Receipt# Safekeeping Location	CUSIP Location	ASC 320	Description Maturity Prerefund	Pool/Type Coupon	Moody S&P	Original Face Pledged Percent	Pledged			
							Original Face	Par	Book Value	Market Value
72778PCU5 COMM: COMMERCE BANK	AFS		PLATTE CO SD #5 NE 38 12/15/38	2.00	AA-	200,000.00 100.00%	200,000.00	200,000.00	200,779.71	202,258.00
25934MCK3 COMM: COMMERCE BANK	AFS		DOUGLAS SID #531-REF NE 39 01/15/39	4.35		200,000.00 100.00%	200,000.00	200,000.00	200,000.00	209,310.00
25930BEE3 COMM: COMMERCE BANK	AFS		DOUGLAS CO SID #504 NE 39 08/15/39	3.40		215,000.00 100.00%	215,000.00	215,000.00	215,000.00	221,766.05
80377BKB7 COMM: COMMERCE BANK	AFS		SARPY CO SID #264-REF NE 39 10/15/39	2.55		150,000.00 100.00%	150,000.00	150,000.00	150,000.00	146,577.00
25933VDM9 COMM: COMMERCE BANK	AFS		DOUGLAS CO SD #559 NE 40 05/15/40	3.40		175,000.00 100.00%	175,000.00	175,000.00	175,000.00	182,728.00
25930LDG7 COMM: COMMERCE BANK	AFS		DOUGLAS CO NE SID#530 NE 40 09/15/40	3.00		150,000.00 100.00%	150,000.00	150,000.00	150,000.00	152,847.00
25933EEG9 COMM: COMMERCE BANK	AFS		DOUGLAS CO SAN & IMPT NE 40 11/15/40	3.15		190,000.00 100.00%	190,000.00	190,000.00	190,000.00	193,108.40
164543BF6 COMM: COMMERCE BANK	AFS		CHERRY CO NE 40 12/15/40	3.00	Aa3	200,000.00 100.00%	200,000.00	200,000.00	205,939.09	212,582.00
3136A3E64 COMM: COMMERCE BANK	AFS		FNR 2012-9 YC 11/25/41	2.00		2,250,000.00 100.00%	2,250,000.00	521,490.51	510,025.86	536,366.13
3137BMSR8 COMM: COMMERCE BANK	AFS		FHR 4548 GB 07/15/42	3.00		1,100,000.00 100.00%	1,100,000.00	152,102.45	153,640.31	154,422.16
3136ARSY5 COMM: COMMERCE BANK	AFS		FNR 2016-8 EH 08/25/42	4.00		1,000,000.00 100.00%	1,000,000.00	167,944.34	171,369.43	172,751.19
50 Securities Pledged To: 1010 - CITY TREASURER							15,225,000.00	11,143,420.59	11,147,523.06	11,343,214.73

CASH IN BANK \$10,774,983.10

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5/28/2021 8:17 AM - BLA / JNBT

BBA - Baker Bond Accounting ®

The Baker Group Software Solutions, Inc.

Cattle Bank & Trust (052)
Investment Portfolio (1)

Pledged Securities Detail
May 31, 2021

Report Sequence: sgrp, CUSIP, Ticket

SGRp STyp Loc/PI	CUSIP Description S&P	Rate		Ticket-P#	Call Type Next Call Dt Call Price	Maturity Dt Issue Dt Intent	Total Face Total Par	Pledge Values		
		Moody	State					Pledged Face % of Total	Par Value Book Value	Carrying Value Interest Rec
PLEDGEE: CITY OF SEWARD (02)										
CMO	3137AREZ5	1.750		177007034-1		6/15/2027				
FHR	FHR 4066 MH					6/1/2012	3,800,000.00	3,800,000.00	464,925.48	475,984.52
D02/02						AFS	464,925.48	100.00%	472,010.80	678.02
CMO	3137AUF53	1.500		185156912-1		10/15/2041				
FHR	FHR 4107 HE					9/1/2012	1,000,000.00	1,000,000.00	199,439.74	201,836.96
D02/02						AFS	199,439.74	100.00%	194,473.81	249.30
CMO	3137AWU78	1.250		185157011-1		12/15/2027				
FHR	FHR 4145 AC					12/1/2012	1,500,000.00	1,500,000.00	139,709.84	138,932.63
D02/02						AFS	139,709.84	100.00%	138,713.93	145.53
CMO	3137B0NV2	1.500		185157163-1		9/15/2025				
FHR	FHR 4176 EC					3/1/2013	2,000,000.00	2,000,000.00	156,216.42	157,765.84
D02/02						AFS	156,216.42	100.00%	155,495.10	195.27
GNMA	36176W2B6	4.000		185168920-1		12/15/2026				
GNMA	GNMA POOL 778670					12/1/2011	560,000.00	560,000.00	48,560.09	51,992.54
D02/02						AFS	48,560.09	100.00%	50,206.42	161.87
GNMA	36202ERL5	5.000		185171012-1		3/20/2023				
GNM2	GNMA2 POOL 4091					3/1/2008	500,000.00	500,000.00	9,303.66	9,539.22
D02/02						AFS	9,303.66	100.00%	9,431.42	38.77
GNMA	3620A9QG9	3.500		185171527-1		9/15/2024				
GNMA	GNMA POOL 723255					9/1/2009	750,000.00	750,000.00	37,033.98	38,518.01
D02/02						AFS	37,033.98	100.00%	37,920.14	108.02
GNMA	3620ARB59	3.500		185171588-1		5/15/2025				
GNMA	GNMA POOL 737260					5/1/2010	1,000,000.00	1,000,000.00	69,696.72	73,307.08
D02/02						AFS	69,696.72	100.00%	70,890.49	203.28
MBS	3128MEHL8	5.000		185145155-1		11/1/2024				
FGLM	FHLMC POOL G15435					5/1/2015	557,000.00	557,000.00	870.37	892.33
D02/02						AFS	870.37	100.00%	889.39	3.63
MBS	3128MMLQ4	4.500		185145399-1		12/1/2024				
FGLM	FHLMC POOL G18334					12/1/2009	1,015,000.00	1,015,000.00	24,377.41	25,712.54
D02/02						AFS	24,377.41	100.00%	24,825.57	91.42

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Cattle Bank & Trust (052)
Investment Portfolio (1)

Pledged Securities Detail
May 31, 2021

Report Sequence: sgrp, CUSIP, Ticket

SGrp STyp Loc/PI	CUSIP Description S&P	Rate Moody	Ticket-P# State	Call Type Next Call Dt Call Price	Maturity Dt Issue Dt Intent	Total Face Total Par	Pledge Values			
							Pledged Face % of Total	Par Value Book Value	Carrying Value Interest Rec	Market Value Collateral Value
MBS	3128PNBR8	4.000	185147186-1		7/1/2024					
FGLM	FHLMC POOL J09948				6/1/2009	1,300,000.00	1,300,000.00	30,266.70	31,748.47	31,748.47
D02/02					AFS	30,266.70	100.00%	30,996.76	100.89	31,849.36
MBS	3128PQ4E8	4.500	185147195-1		2/1/2025					
FGLM	FHLMC POOL J11721				2/1/2010	1,200,000.00	1,200,000.00	33,731.14	35,622.38	35,622.38
D02/02					AFS	33,731.14	100.00%	34,790.72	126.49	35,748.87
MBS	3128PVN22	3.000	185147378-1		6/1/2021					
FGLM	FHLMC POOL J15809				6/1/2011	285,000.00	285,000.00	166.76	166.91	166.91
D02/02					AFS	166.76	100.00%	166.76	0.42	167.33
MBS	3128Q0GL5	4.000	185147609-1		5/1/2027					
FGLM	FHLMC POOL J19203				5/1/2012	425,000.00	425,000.00	44,669.79	47,885.16	47,885.16
D02/02					AFS	44,669.79	100.00%	46,544.65	148.90	48,034.06
MBS	31294MML2	3.000	185147907-1		3/1/2022					
FGLM	FHLMC POOL E03063				3/1/2012	1,000,000.00	1,000,000.00	7,898.37	8,362.91	8,362.91
D02/02					AFS	7,898.37	100.00%	7,932.79	19.75	8,382.66
MBS	31335HUG6	6.000	185150272-1		10/1/2022					
FGLM	FHLMC POOL C90583				10/1/2002	700,000.00	700,000.00	879.91	911.67	911.67
D02/02					AFS	879.91	100.00%	881.22	4.40	916.07
MBS	31335HYR8	5.500	185150298-1		10/1/2023					
FGLM	FHLMC POOL C90720				10/1/2003	3,250,000.00	3,250,000.00	25,283.02	26,620.82	26,620.82
D02/02					AFS	25,283.02	100.00%	25,905.34	115.88	26,736.70
MBS	31371LQY8	5.000	185155978-1		6/1/2024					
FNMA	FNMA POOL 255271				5/1/2004	500,000.00	500,000.00	5,219.50	5,773.03	5,773.03
D02/02					AFS	5,219.50	100.00%	5,201.85	21.75	5,794.78
MBS	31371NJQ9	6.500	185156082-1		8/1/2022					
FNMA	FNMA POOL 256871				7/1/2007	1,100,000.00	1,100,000.00	5,347.57	5,492.12	5,492.12
D02/02					AFS	5,347.57	100.00%	5,429.32	28.97	5,521.09
MBS	31375HAP9	2.292	185156211-1		2/1/2026					
FNMV	FNMA ARM POOL 334914				1/1/1996	1,000,000.00	1,000,000.00	801.84	804.38	804.38
D02/02					AFS	801.84	100.00%	804.37	1.53	805.91
MBS	3138AMK38	4.500	185159473-1		7/1/2026					
FNMA	FNMA POOL A17513				7/1/2011	500,000.00	500,000.00	51,788.56	54,519.82	54,519.82
D02/02					AFS	51,788.56	100.00%	53,513.55	194.21	54,714.03

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Cattle Bank & Trust (052)
Investment Portfolio (1)

Pledged Securities Detail
May 31, 2021

Report Sequence: sgrp, CUSIP, Ticket

SGrp STyp Loc/PI	CUSIP Description S&P	Rate Moody	Ticket-P# State	Call Type Next Call Dt Call Price	Maturity Dt Issue Dt Intent	Total Face Total Par	Pledge Values			
							Pledged Face % of Total	Par Value Book Value	Carrying Value Interest Rec	Market Value Collateral Value
MBS	3138EJLQ9	4.000	185159924-1		7/1/2027					
FNMA	FNMA POOL AL2134				7/1/2012	443,000.00	443,000.00	55,684.49	59,667.22	59,667.22
D02/02					AFS	55,684.49	100.00%	57,735.55	185.61	59,852.83
MBS	3138EKRM9	3.500	185160071-1		2/1/2028					
FNMA	FNMA POOL AL3191				2/1/2013	500,000.00	500,000.00	72,370.98	77,590.66	77,590.66
D02/02					AFS	72,370.98	100.00%	74,944.30	211.08	77,801.74
MBS	3138EKVV4	2.500	185160087-1		4/1/2023					
FNMA	FNMA POOL AL3327				3/1/2013	525,000.00	525,000.00	23,082.11	23,477.01	23,477.01
D02/02					AFS	23,082.11	100.00%	23,177.05	48.09	23,525.10
MBS	3138ELYF4	4.000	185160221-1		10/1/2028					
FNMA	FNMA POOL AL4309				10/1/2013	1,000,000.00	1,000,000.00	135,713.48	145,812.70	145,812.70
D02/02					AFS	135,713.48	100.00%	141,037.44	452.38	146,265.08
MBS	3138EMCY5	4.000	185160242-1		2/1/2027					
FNMA	FNMA POOL AL4586				12/1/2013	575,000.00	575,000.00	63,867.01	68,042.75	68,042.75
D02/02					AFS	63,867.01	100.00%	66,354.44	212.89	68,255.64
MBS	3138WDU82	3.000	178000698-1		1/1/2030					
FNMA	FNMA POOL AS4206				12/1/2014	1,160,000.00	1,160,000.00	265,319.71	280,104.85	280,104.85
D02/02					AFS	265,319.71	100.00%	279,046.00	663.30	280,768.15
MBS	3140J5EA3	2.500	185164038-1		12/1/2029					
FNMA	FNMA POOL BM1028				3/1/2017	300,000.00	300,000.00	91,916.04	96,111.72	96,111.72
D02/02					AFS	91,916.04	100.00%	92,281.62	191.49	96,303.21
MBS	3140X9LK9	3.000	177020855-1		1/1/2041					
FNMA	FNMA POOL FM5729				1/1/2021	500,000.00	500,000.00	440,717.87	465,973.02	465,973.02
D02/02					AFS	440,717.87	100.00%	469,331.25	1,101.79	467,074.81
MBS	31410KAW4	4.000	185164389-1		3/1/2023					
FNMA	FNMA POOL 889321				3/1/2008	2,050,000.00	2,050,000.00	5,675.59	5,747.30	5,747.30
D02/02					AFS	5,675.59	100.00%	5,748.98	18.92	5,766.22
MBS	31412P2K6	4.500	185164602-1		7/1/2024					
FNMA	FNMA POOL 931478				6/1/2009	2,900,000.00	2,900,000.00	50,828.82	53,567.28	53,567.28
D02/02					AFS	50,828.82	100.00%	52,111.09	190.61	53,757.89
MBS	31417SAL4	4.500	185165282-1		10/1/2024					
FNMA	FNMA POOL AC5410				10/1/2009	2,040,000.00	2,040,000.00	73,963.08	77,751.29	77,751.29
D02/02					AFS	73,963.08	100.00%	76,059.48	277.36	78,028.65

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Cattle Bank & Trust (052)
Investment Portfolio (1)

Pledged Securities Detail
May 31, 2021

Report Sequence: sgrp, CUSIP, Ticket

SGrp STyp Loc/PI	CUSIP Description S&P	Rate Moody	State	Ticket-P#	Call Type Next Call Dt Call Price	Maturity Dt Issue Dt Intent	Total Face Total Par	Pledge Values			
								Pledged Face % of Total	Par Value Book Value	Carrying Value Interest Rec	Market Value Collateral Value
MBS	31418AAC2	3.000		185165786-1		11/1/2026					
FNMA	FNMA POOL MA0902					10/1/2011	1,000,000.00	1,000,000.00	56,886.89	59,633.33	59,633.33
D02/02						AFS	56,886.89	100.00%	57,546.99	142.22	59,775.55
MBS	31418AKN7	3.000		177011537-1		10/1/2032					
FNMA	FNMA POOL MA1200					9/1/2012	800,000.00	800,000.00	187,728.78	198,956.22	198,956.22
D02/02						AFS	187,728.78	100.00%	198,720.93	469.32	199,425.54
MBS	31418AQY7	2.500		185166318-1		3/1/2023					
FNMA	FNMA POOL MA1370					2/1/2013	500,000.00	500,000.00	24,043.90	24,462.31	24,462.31
D02/02						AFS	24,043.90	100.00%	24,153.62	50.09	24,512.40
MBS	31418AYS1	2.500		185166625-1		10/1/2023					
FNMA	FNMA POOL MA1620					9/1/2013	587,000.00	587,000.00	43,946.45	44,924.41	44,924.41
D02/02						AFS	43,946.45	100.00%	44,199.14	91.56	45,015.97
MBS	31418B5R3	4.000		177020853-1		6/1/2036					
FNMA	FNMA POOL MA2655					5/1/2016	410,000.00	410,000.00	147,059.76	160,026.52	160,026.52
D02/02						AFS	147,059.76	100.00%	158,499.59	490.20	160,516.72
MUNI	259290EB6	3.100	NE	185142828-1	Contin	8/15/2030					
GO	DOUGLAS CNTY NE SAN & IMPT DIS				6/15/2021	6/15/2016	150,000.00	150,000.00	150,000.00	150,111.00	150,111.00
D02/02					100.000	AFS	150,000.00	100.00%	150,000.00	1,369.17	151,480.17
MUNI	259292CS7	2.700	NE	185142831-1	Contin	11/15/2026					
GO	DOUGLAS CNTY SAN IMPT DIST 427				11/15/2022	11/15/2017	280,000.00	280,000.00	280,000.00	283,049.20	283,049.20
D02/02					100.000	AFS	280,000.00	100.00%	280,000.00	336.00	283,385.20
MUNI	25930HAU8	2.400	NE	185142850-1	Contin	3/15/2022					
GO	DOUGLAS CNTY NE SAN & IMPT DIS				6/1/2021	3/15/2015	75,000.00	75,000.00	75,000.00	75,072.75	75,072.75
D02/02					100.000	AFS	75,000.00	100.00%	75,000.00	380.00	75,452.75
MUNI	25930PCG9	2.900	NE	185142854-1	Contin	11/15/2028					
GO	DOUGLAS CNTY NE SAN & IMPT				11/15/2021	11/15/2016	80,000.00	80,000.00	80,000.00	80,375.20	80,375.20
D02/02					100.000	AFS	80,000.00	100.00%	80,000.00	103.11	80,478.31
MUNI	25930TBJ6	2.900	NE	184003054-1	Cont	11/15/2036					
GO	DOUGLAS CNTY NEB SANI & #421				5/15/2025	5/19/2020	50,000.00	50,000.00	50,000.00	53,189.50	53,189.50
D02/02					100.000	AFS	50,000.00	100.00%	50,000.00	64.44	53,253.94
MUNI	25931FCK1	3.000	NE	185142860-1	Contin	9/15/2031					
GO	DOUGLAS CNTY NE SAN & IMPT				9/15/2021	9/15/2016	240,000.00	240,000.00	240,000.00	240,571.20	240,571.20
D02/02					100.000	AFS	240,000.00	100.00%	240,000.00	1,520.00	242,091.20

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Cattle Bank & Trust (052)
Investment Portfolio (1)

Pledged Securities Detail
May 31, 2021

Report Sequence: sgrp, CUSIP, Ticket

SGRp STyp Loc/PI	CUSIP Description S&P	Rate Moody	State	Ticket-P#	Call Type Next Call Dt Call Price	Maturity Dt Issue Dt Intent	Total Face Total Par	Pledge Values			
								Pledged Face % of Total	Par Value Book Value	Carrying Value Interest Rec	Market Value Collateral Value
MUNI GO D02/02	25931LCN2 DOUGLAS CNTY NE SAN & IMPT	2.700	NE	185142862-1	Contin 11/15/2021	11/15/2028 11/15/2016	170,000.00	170,000.00	170,000.00	170,686.80	170,686.80
					100.000	AFS	170,000.00	100.00%	170,000.00	204.00	170,890.80
MUNI GO D02/02	25931MBX9 DOUGLAS CNTY NE SAN & IMPT	3.100	NE	185142863-1	Contin 7/15/2021	10/15/2029 7/15/2016	140,000.00	140,000.00	140,000.00	140,187.60	140,187.60
					100.000	AFS	140,000.00	100.00%	140,000.00	554.56	140,742.16
MUNI GO D02/02	25931VBN1 DOUGLAS CNTY NE SAN & IMPT	3.500	NE	185142866-1	Contin 7/15/2022	8/15/2032 7/27/2017	50,000.00	50,000.00	50,000.00	50,470.50	50,470.50
					100.000	AFS	50,000.00	100.00%	50,000.00	515.28	50,985.78
MUNI GO D02/02	25931VCF7 DOUGLAS CNTY NEB SAN #471	2.350	NE	177020849-1	Cont 2/15/2026	8/15/2035 2/19/2021	100,000.00	100,000.00	100,000.00	100,803.00	100,803.00
					100.000	AFS	100,000.00	100.00%	100,000.00	665.83	101,468.83
MUNI GO D02/02	25933BEB6 DOUGLAS CNTY NEB SAN & IMPT DI	3.000	NE	184003099-1	Cont 5/15/2025	11/15/2035 5/19/2020	150,000.00	150,000.00	150,000.00	157,405.50	157,405.50
					100.000	AFS	150,000.00	100.00%	150,000.00	200.00	157,605.50
MUNI GO D02/02	25934ACJ2 DOUGLAS CNTY NE SAN & IMPT	3.100	NE	185142882-1	Contin 7/15/2021	12/15/2030 7/15/2016	120,000.00	120,000.00	120,000.00	120,511.20	120,511.20
					100.000	AFS	120,000.00	100.00%	120,000.00	1,715.33	122,226.53
MUNI GO D02/02	25934QDB3 DOUGLAS CNTY NE SAN & IMPT	2.000	NE	185142887-1		10/1/2021 10/1/2016	80,000.00	80,000.00	80,000.00	80,224.00	80,224.00
						AFS	80,000.00	100.00%	80,000.00	266.67	80,490.67
MUNI REV D02/02	373807CE4 GERING NEB COMBINED UTILS REV	1.850	NE	184010461-1	Cont 4/29/2026	12/15/2035 4/29/2021	100,000.00	100,000.00	100,000.00	100,739.00	100,739.00
					100.000	AFS	100,000.00	100.00%	100,000.00	164.44	100,903.44
MUNI GO D02/02	406036HN6 HALL CNTY NE SCD #2 GRAND IS	2.400	NE	185176896-1	Contin 6/1/2021	12/15/2024 2/9/2015	100,000.00	100,000.00	100,000.00	100,152.00	100,152.00
					100.000	AFS	100,000.00	100.00%	100,000.00	1,106.67	101,258.67
MUNI GO D02/02	505318QS7 LA VISTA NE	2.650	NE	185179244-1	Contin 6/1/2021	11/15/2024 12/31/2014	115,000.00	115,000.00	115,000.00	115,185.15	115,185.15
					100.000	AFS	115,000.00	100.00%	115,000.00	135.44	115,320.59
MUNI REV D02/02	57973FDD8 MCCOOK NE PUBLIC PWR DIST	3.150	NE	185181069-1	Contin 8/9/2022	12/15/2030 8/9/2017	100,000.00	100,000.00	100,000.00	101,671.00	101,671.00
					100.000	AFS	100,000.00	100.00%	100,000.00	1,452.50	103,123.50

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Cattle Bank & Trust (052)

Investment Portfolio (1)

Pledged Securities Detail

May 31, 2021

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Report Sequence: sgrp, CUSIP, Ticket

SGrp STyp Loc/PI	CUSIP Description S&P	Rate Moody	State	Ticket-P#	Call Type Next Call Dt Call Price	Maturity Dt Issue Dt Intent	Total Face Total Par	Pledge Values			
								Pledged Face % of Total	Par Value Book Value	Carrying Value Interest Rec	Market Value Collateral Value
MUNI REV D02/02	71366VKE9 PERENNIAL PUB PWR DIST NEB ELE	1.800	NE	177020856-1	Cont 2/17/2026 100 000	12/15/2036 2/17/2021 AFS	210,000.00 210,000.00	210,000.00 100.00%	210,000.00 210,000.00	211,234.80 1,092.00	211,234.80 212,326.80
MUNI GO D02/02	803766BG8 SARPY CNTY NE SAN & IMPT	2.850	NE	185187208-1	Contin 6/1/2021 100 000	5/15/2022 7/1/2015 AFS	90,000.00 90,000.00	90,000.00 100.00%	90,000.00 90,000.00	90,148.50 114.00	90,148.50 90,262.50
MUNI GO D02/02	80376DCN7 SARPY CNTY NE SAN & IMPT DIST	3.250	NE	185187210-1	Contin 6/1/2021 100 000	10/15/2023 10/15/2012 AFS	200,000.00 200,000.00	200,000.00 100.00%	200,000.00 200,000.00	200,450.00 830.56	200,450.00 201,280.56
MUNI GO D02/02	80376ECZ8 SARPY CNTY NE SAN & IMPT DIST	3.750	NE	185187211-1	Contin 2/15/2022 100 000	8/15/2029 2/15/2017 AFS	90,000.00 90,000.00	90,000.00 100.00%	90,000.00 90,000.00	91,114.20 993.75	91,114.20 92,107.95
MUNI GO D02/02	80376UBK6 SARPY CNTY NE SAN & IMPT DIST	2.700	NE	185187214-1	Prerefnd 7/15/2022 100.000	8/15/2026 7/15/2017 AFS	50,000.00 50,000.00	50,000.00 100.00%	50,000.00 50,000.00	51,461.50 397.50	51,461.50 51,859.00
MUNI GO D02/02	80377TBE2 SARPY CNTY NE SAN & IMPT DIST	2.800	NE	185187220-1	Contin 11/15/2021 100.000	11/15/2028 11/15/2016 AFS	85,000.00 85,000.00	85,000.00 100.00%	85,000.00 85,000.00	85,382.50 105.78	85,382.50 85,488.28
MUNI GO D02/02	80377TBF9 SARPY CNTY NE SAN & IMPT DIST	2.900	NE	185187221-1	Contin 11/15/2021 100.000	11/15/2029 11/15/2016 AFS	85,000.00 85,000.00	85,000.00 100.00%	85,000.00 85,000.00	85,431.80 109.56	85,431.80 85,541.36
MUNI GO D02/02	80378TEW8 SARPY CNTY NE SAN & IMPT DIST	3.850	NE	185187230-1	Contin 4/15/2023 100 000	10/15/2033 4/15/2018 AFS	85,000.00 85,000.00	85,000.00 100.00%	85,000.00 85,000.00	86,778.20 418.15	86,778.20 87,196.35
MUNI GO D02/02	80379AEF5 SARPY CNTY NEB SAN & IMPT #243	2.700	NE	177011631-1	Cont 8/15/2025 100 000	8/15/2038 8/19/2020 AFS	290,000.00 290,000.00	290,000.00 100.00%	290,000.00 290,000.00	287,778.60 2,305.50	287,778.60 290,084.10
MUNI GO D02/02	80379KEN6 SARPY CNTY NEB SAN & IMPT #272	2.300	NE	177018881-1	Cont 12/15/2025 100 000	12/15/2034 1/11/2021 AFS	50,000.00 50,000.00	50,000.00 100.00%	50,000.00 50,000.00	48,991.50 447.22	48,991.50 49,438.72
MUNI GO D02/02	818473FD7 SEWARD CNTY NE CENTENNIAL PUB	3.000	NE	185187536-1	Contin 7/27/2022 100.000	12/15/2031 7/27/2017 AFS	250,000.00 250,000.00	250,000.00 100.00%	250,000.00 250,558.98	255,310.00 3,458.33	255,310.00 258,768.33

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Cattle Bank & Trust (052)
Investment Portfolio (1)

Pledged Securities Detail
May 31, 2021

Report Sequence: sgrp, CUSIP, Ticket

SGrp STyp Loc/PI	CUSIP Description S&P	Rate Moody	State	Ticket-P#	Call Type Next Call Dt Call Price	Maturity Dt Issue Dt Intent	Total Face Total Par	Pledge Values			
								Pledged Face % of Total	Par Value Book Value	Carrying Value Interest Rec	Market Value Collateral Value
MUNI GO D02/02	81847ELJ3 SEWARD NE	2.150	NE	185187544-1	Contin 6/1/2021 100,000	12/15/2022 3/27/2012 AFS	100,000.00 100,000.00	100,000.00 100.00%	100,000.00 100,000.00	100,118.00 991.39	100,118.00 101,109.39
MUNI GO D02/02	81847ELK0 SEWARD NE	2.350	NE	185187545-1	Contin 6/1/2021 100,000	12/15/2023 5/18/2012 AFS	95,000.00 95,000.00	95,000.00 100.00%	95,000.00 95,000.00	95,122.55 1,029.43	95,122.55 96,151.98
MUNI REV D02/02	818480BF1 SEWARD NEB ARPT AUTH	3.550	NE	185187553-1	Contin 6/1/2021 100,000	1/15/2024 9/1/2011 AFS	120,000.00 120,000.00	120,000.00 100.00%	120,000.00 120,000.00	120,313.20 1,609.33	120,313.20 121,922.53
MUNI REV D02/02	818483EQ8 SEWARD NE ELEC REV	2.350	NE	185187554-1	Contin 6/1/2021 100,000	2/15/2023 3/27/2012 AFS	110,000.00 110,000.00	110,000.00 100.00%	110,000.00 110,000.00	110,148.50 761.14	110,148.50 110,909.64
MUNI REV D02/02	818483FG9 SEWARD NE ELEC REV	2.450	NE	185187557-1	Contin 6/15/2021 100,000	2/15/2028 6/15/2016 AFS	150,000.00 150,000.00	150,000.00 100.00%	150,000.00 150,000.00	150,129.00 1,082.08	150,129.00 151,211.08
MUNI REV D02/02	818484DG9 SEWARD NE SANTN SWR SYS	2.300	NE	185187560-1	Contin 8/12/2021 100,000	9/15/2029 8/12/2016 AFS	130,000.00 130,000.00	130,000.00 100.00%	130,000.00 130,000.00	130,213.20 631.22	130,213.20 130,844.42
MUNI GO D02/02	886094CD1 THURSTON CNTY NEB	2.500	NE	184003102-1	Cont 5/28/2025 100,000	12/15/2035 5/28/2020 AFS	200,000.00 200,000.00	200,000.00 100.00%	200,000.00 197,160.11	201,678.00 2,305.56	201,678.00 203,983.56
MUNI REV D02/02	943781BN3 WAVERLY NE COMB UTIL REV	3.100	NE	185198094-1	Contin 6/1/2021 100,000	6/15/2029 1/20/2016 AFS	100,000.00 100,000.00	100,000.00 100.00%	100,000.00 100,000.00	100,116.00 1,429.44	100,116.00 101,545.44
TAX TAXGO D02/02	079238AY7 BELLEVUE NEB REDEV REV	2.950	NE	185138622-1	Cont 6/1/2021 100,000	12/15/2021 5/6/2019 AFS	250,000.00 250,000.00	250,000.00 100.00%	250,000.00 250,000.00	250,562.50 3,400.69	250,562.50 253,963.19
TAX TAXGO D02/02	61778RBT8 MORRILL CNTY NEB SCH DIST #63 AA A3	1.937	NE	177020846-1	Cont 12/1/2025 100,000	12/1/2031 2/25/2021 AFS	210,000.00 210,000.00	210,000.00 100.00%	210,000.00 210,000.00	201,520.20 1,084.72	201,520.20 202,604.92
TAX TAXREV	68189TBA3 OMAHA NEB SPL OBLIG	6.400	NE	185184294-1		2/1/2026 3/25/2008	55,000.00	35,000.00	35,000.00	38,722.95	38,722.95

Report reflects information submitted to VS Bond Accounting by the customer. It is not intended to be used as the official record of safekeeping location and/or pledged holdings. See customer's Safekeeping Agent reports as needed.

Report Sequence: sgrp, CUSIP, Ticket

SGrp STyp Loc/PI	CUSIP Description S&P	Rate Moody	Ticket-P# State	Call Type Next Call Dt Call Price	Maturity Dt Issue Dt Intent	Total Face Total Par	Pledge Values				
							Pledged Face % of Total	Par Value Book Value	Carrying Value Interest Rec	Market Value Collateral Value	
D02/02	AA+	Aa3			AFS	55,000.00	63.64%	35,000.00	746.66	39,469.61	
CITY OF SEWARD							44,317,000.00		8,179,991.83 8,270,890.96	8,347,368.23 43,532.66	8,347,368.23 8,390,900.89

CASH IN BANK \$9,552,027.93

Report reflects information submitted to VS Bond Accounting by the customer. It is not intended to be used as the official record of safekeeping location and/or pledged holdings. See customer's Safekeeping Agent reports as needed.

CURRENT YEAR: May 2021

Permits	Quantity	Permit Fee	Valuation
NEW CONST.	2	\$ 4,365.00	\$ 626,644.29
REMODEL/ADDIT.	8	\$ 829.70	\$ 197,720.32
ACCESSORY	15	\$ 773.95	\$ 153,983.00
RELOCATE	7	\$ 250.00	\$ 56,899.15
ELECTRIC			
PLUMBING	12	\$ 970.00	
MECHANICAL	8	\$ 750.00	
SEWER TAP	2	\$ 500.00	
WATER TAP	2	\$ 1,676.00	
TEMP. ELEC.	2	\$ 100.00	
ELECTRIC SER.	2	\$ 400.00	
TOTALS	60	\$ 10,614.65	\$ 1,035,246.76

LAST YEAR: May 2020

Permits	Qty.	Permit Fee	Valuation
NEW CONST.	6	\$ 16,895.40	\$ 5,365,222.05
REMODEL/ADDIT.	10	\$ 1,537.00	\$ 614,344.53
ACCESSORY	14	\$ 457.00	\$ 35,800.00
RELOCATE	1	\$ 25.00	\$ 10,990.00
ELECTRIC	0		\$ -
PLUMBING	16	\$ 1,000.00	\$ -
MECHANICAL	5	\$ 320.00	\$ -
SEWER TAP	5	\$ 1,250.00	\$ -
WATER TAP	5	\$ 4,405.00	\$ -
TEMP. ELEC.	5	\$ 250.00	\$ -
ELECTRIC SER.	5	\$ 1,200.00	\$ -
TOTALS	72	\$ 27,339.40	\$ 6,026,356.58

YEAR TO DATE January to December 2021

Permits	Quantity	Permit Fee	Valuation
NEW CONST.	9	\$ 16,640.10	\$2,615,369.21
REMODEL/ADDIT.	28	\$ 7,120.85	\$ 2,079,810.78
ACCESSORY	62	\$ 11,898.35	\$ 570,609.07
RELOCATE	18	\$ 879.50	\$ 203,292.76
ELECTRIC		\$ -	\$ -
PLUMBING	40	\$ 3,754.00	\$ -
MECHANICAL	25	\$ 2,910.00	\$ -
SEWER TAP	7	\$ 1,750.00	\$ -
WATER TAP	7	\$ 5,995.00	\$ -
TEMP. ELEC.	7	\$ 350.00	\$ -
ELECTRIC SER.	7	\$ 1,400.00	\$ -
TOTALS	210	\$ 52,697.80	\$ 5,469,081.82

YEAR TO DATE January to December 2020

Permits	Qty.	Permit Fee	Valuation
NEW CONST.	19	\$ 45,134.80	\$ 10,320,939.67
REMODEL/ADDIT.	31	\$ 10,104.09	\$ 4,209,013.77
ACCESSORY	82	\$ 8,250.45	\$ 370,560.00
RELOCATE	4	\$ 125.00	\$ 10,990.00
ELECTRIC			\$ -
PLUMBING	73	\$ 6,280.00	\$ -
MECHANICAL	31	\$ 5,382.28	\$ -
SEWER TAP	17	\$ 4,250.00	\$ -
WATER TAP	17	\$ 14,977.00	\$ -
TEMP. ELEC.	18	\$ 900.00	\$ -
ELECTRIC SER.	18	\$ 4,200.00	\$ -
TOTALS	310	\$ 99,603.62	\$ 14,911,503.44

OPEN Property Maintenance Code Violation Report

					Updated 6-8-2021
Property Address	Violation Type	Deadline	Owner Information	Delivery Type	Status
2021					
356 S 6th St	Grass/Weeds not mowed	6/15/2021	Melissa Genetti	In person, phone call	Bill Arkel CSO left a door hanger, left message on phone.
429 S Columbia	Grass/Weeds not mowed	6/11/2021	Christopher Yates 8630 Oakmont Dr Lincoln, NE 68526	In person, phone call	Bill Arkel CSO left a door hanger, left message on phone.
101 S 4th	Weeds	6/2/2021			Demolition and clean up of the property will be begin immediately and be completed by July 4th.
319 Seward	Trash/rubbish in the back yard		Patricia Johnson	Phone Call	Dumpster was delivered for debris, yard was mowed and weeds were chopped down.
					Bill Arkel CSO talked to Patricia Johnson. Some of the property is from a old tenant and she cannot get rid of it. She is in the process of evicting another tenant.
149 N 1st	Grass/Weeds not mowed		Steve Butler	Phone Call	Bill Arkel CSO will go assess the yard and leave a door hanger if necessary. Yard mowed.
429 S Columbia	Grass/Weeds not mowed		Christopher Yates	Phone Call	Bill Arkel CSO will go assess the yard and leave a door hanger if necessary.
720 N 1st	Grass/Weeds not mowed		Brad & Monique Peetz	Phone Call	Bill Arkel CSO will go assess the yard and leave a door hanger if necessary. 5-13-21 the yard is mowed
246 N 3rd St	Weeds	5/4/2021	City of Seward	In Person	Weeds need sprayed. Spoke with Public Properties and they sprayed weeds Tuesday 5-4 and mowed the lot Wednesday 5-5
810 Moffit St	Foundation not filled in		Patricia Murphy (life use)	Phone Call	House was removed and the foundation was dug out. The hole was never filled in. Called Pat Monday 5-3. The hole was fillied in Wednesday 5-5
246 N 3rd	Weeds		City of Seward	In Person	Bob Core had a crew member spray the weeds 5-4-21
6th St	Holes in Pavement		City of Seward	In Person	Will be getting fixed 5-10 weather permitting.
14th St	Holes in Pavement		City of Seward	In Person	Bob Miers, Street Superintendent said the street is slated to be repaved in May of 2021
Alley North of 504 Seward	Cracked pavement		City of Seward	In Person	Bob Miers, Street Superintendent will be going to look at the alley and assess the situation. This has been poured and fixed.

OPEN Property Maintenance Code Violation Report

444 Seward St	Spilled Grease	4/1/2021	Raminder Manhas	In person/phone call	Grease was spilled next to the grease trap used by La Cocina Restaurant. Spoke with Ishmel (Manager) and he said it would be cleaned up that day.
33 Main St	Temporary sign in the ROW and Sight triangle	3/26/2021	Scott Dinslage	In person/Phone call	The signage was removed
		3/26/2021			CSO will stop by the business tennant and let them know they need to remove the items. Tim spoke with Scott and he will speak with the tennant about removing the items.
Twin Oaks Trailer Park	No water to residents		Twin Oaks Place NE, LLC Randy Skillin, 639 E Mckinley Ave, Fresno, CA	Phone Call	Tim spoke with Carrisa Foreman, property manager for Twin Oaks Trailer Park, she stated they had problems getting plumbers to respond and ended up digging up the water line and repairing it themselves and that water was restored Saturday 3-13-2021. Water was out only 2 days and they supplied water to the residents during the outage.
410 E Seward	Junk in the yard, travel trailers with doors open and windows knocked out	3/31/2021	Bob Payne Jr		Chief Peters and Tim Dworak drove by and assessed the property. Seward PD will hand deliver a letter notating a list of nuisances to be taken care of.
					Bill Arkel CSO drove past the property and viewed a camper parked on the grass. He left a door hanger. A letter will be hand delivered notating the nuisances.
Proposed Street North of 1645 Augusta Dr	Sediment running into adjacent property	3/25/2021	Steve Conner - Developer	Phone Call	Bill Arkel CSO went and viewed there was mud running off into the rear yard. A fence post broken. Bill will call Steve Conner the developer to correct the issue. Bill was able to contact Steve Conner. Conner said he would fix the issue.
145 S 3rd	Car parked in the grass. Trash all over the property. Multiply loose trash bags not stored in a recepticle. Firepit on the front porch.	3/12/2021	Patricia Johnson	In Person	Bill Arkel reported he did not see any trash blowing around. There was a firepit on the porch. The SUV was parked on the grass. The resident did not answer the door. Bill talked to a son and the son said the trash was an issued with Trash Panda and that is resolved. They are now aware they cannot park on the grass.

OPEN Property Maintenance Code Violation Report

614 North Ave	Trailer parked on the grass and in the sight triangle	3/12/2021	Cathy Eberhardt 812 K St Geneva, NE 68361	Phone	The current resident called and spoke with Tim and agreed to move the trailer onto the driveway. After inspection the trailer on the driveway does not obstruct the sight triangle.
		3/9/2021		In Person	Bill Arkel made contact with the resident to move the trailer. The trailer was turned 90° but still parked on the grass next to the garage, still in the sight triangle of the intersection. Bill will make contact with the resident again.
211 S 4th 443 Main St 523 Main	Ice Accumulation	2/24/2021	Middle Creek Ranch Conrad Trevino Charles Wisehart	In Person	Bill Arkel will make contract about cleaning the ice off of the sidewalk.
504 N 8th	Parking in ROW Between sidewalk and Street. Sight Triangle	2/26/2021	Gene Selby	Phone Call	Bill Arkel made contact with Gene to inform him he was not allowed to park between the street and sidewalk. He called to get a permit. It has been determined that he can not park in that location do to a sight triangle issue. Dworak called and left a message with Gene.
703 S 1st St	RV is hooked up to electricity full time and is being lived in	2/9/2021	Christopher William Wilcox	in Person	Bill Arkel visited the RV and reported no new footprints in the snow and the electrical cord had been removed from the RV
1750 Kolterman Ave	Snow/Ice Removal	2/9/2021	Sherry Reinert	in Person	Bill Arkel will make contact about clearing the sidewalk
316 N 6th	snow/ice removal not taken place within 5 hours of snowfall cessation	1/31/2021	Gary Pomerence	in Person	Bill Arkel went to the residence and left a message to clear the sidewalk. The sidewalk was cleared within 24 hrs. The sidewalk continues to be cleared with subsequent snow occurrences.
319 Seward	Snow/ice removal	1/28/2021	Patricia Johnson	Phone Call	Bill Arkel called and informed Patricia that she need to have the sidewalk cleared. It was cleared within 24 hrs
2020					
424 N 4th St	snow/ice removal has not taken place within 24 hours of storm cessation	1/6/2021	Biegler, Puckett and Kuhlman Investments LLC	Phone Call	Bill Arkel made contact with Dustin from Biegler, Puckett and Kuhlmann Investments LLC, he said it will be taken care of ASAP and wouldn't be a problem in the future
		1/11/2021			Bill Arkel left two messages and both went unreturned.

OPEN Property Maintenance Code Violation Report

208 S 14th St	Storage containers	12/31/2020	Josh Delcamp		Josh Delcamp acquired a building permit for the property and using the container as temporary storage
		1/4/2021		Phone Call/In Person	Bill Arkel (CSO) confirmed there was a storage container on South 14th and verified Delcamp was the owner. Delcamp called and he is bringing heat into the buildings. He will be getting a building permit and that allows 180 days.
641 Seward St	snow/ice removal has not taken place within 5 hours of storm cessation	12/23/2020	X-tra Investments LLC Goran Gligorevic	Phone Call/In Person	Bill Arkel (CSO) will find a contact number and let the owners know they are in violation of code 340-2.1 Bill called the owner. They had someone lined up but didn't do the job. He will get someone out to clean it off.
2137 Meadow Lan	Unlicensed Trailer and Boat parked in rear yard	12/17/2020	Robert & Joleen Perry	in Person	The trailer was licensed and the boat and trailer were moved onto a slab beside the garage.
		12/18/2020		In Person	Researching for property maintenance violations. Referencing 307-2.1,307-2.2-Public Nuisance.Bill will deliver to homeowner.12/14 bill delivered ordinance and told the residence he can call for questions. As of 12/16 the boat has not moved. CSO Arkel confirmed the boat has been moved as of 12/22/2020
446 N 5th St	Fence falling over	11/7/2020	Sandy Nuttleman	Phone Call	Bill Arkel (CSO) contacted Sandy. She said that she would speak with the tenant Don Guenther.
429 S Columbia	Trees laying on sidewalk	10/20/2020	Chirstopher Yates		Bill Arkel (CSO) will go make contact and view the violation. 10/14/2020 A branch has split from the tree, but is still attached. The tree is on personal property, but the branch is laying across the sidewalk. A door hanger was left. 10/14/20 Home owner contacted Bill. Gavin Hobson will be ther this week to clean up the tree and mess. 10/19/20
243 S. 9th St	Dumping Cooking Oil	10/19/2020	VFW	In Person	Bill Arkel (CSO) will go make contact with the owner on 10/12/2020. Bill seen no evidence of cooking oil being dumped. 402-641-3691 to call person who complained

OPEN Property Maintenance Code Violation Report

848 Seward Street	Tree stump has animals living in it	10/15/2020	Pat Prothman	In Person	Bill Arkel (CSO) went to look at the property on 10/8 to verify the location of stump (ROW or Owners) and if animals were living in the stump. Bill reported the only stump was halfway back on the property, no visible signs of animals present.
546 North Ave	Obstructed sight triangle due to overgrowth of the flowerbed in the corner of the property	10/21/2020	David and Sharon Fitzpatrick	In person	Bill Arkel (CSO) contacted the tenant who in turn contacted Dave. Dave made arrangements with Rumery Landscaping to trim up the corner to meet sight triangle standards.
247 N 2nd	Pet Door was open, Tree/Volunteer tree's in City ROW. Grass is too tall	8/31/2020	Fox Den Rentals	In person	Bill Arkel (CSO) attempted contact at two doors & left a door hanger w/card in regards to the grass. Called Fox Den on 8/21 at 402-314-0819. He said he will follow up with tenants/mowing company and get it taken care of
304 S 1st	Weeds and vines need to be cut back to comply with code	8/19/2020	Kelsey Herrold	In person	Bill Arkel (CSO) attempted contact & left a door hanger w/card. 8/17/20 Bill checked property & it is in compliance
1115 N Columbia	Weeds and brush need cut to comply with ordinance	8/7/2020	Lorri Canning	In person	Bill Arkel (CSO) attempted contact and left a door hanger. Grass and weeds were cut in front yard but not in the rear yard.
906 Main St	Vehicles stored with no current license and registration, Junk piled on the lot and junk appliances stored outside	7/10/2020	Daniel & Lorrie Pearson	In person	The junk has been removed, the vehicles have been licensed and the appliance are scheduled for pick-up
29 Jackson Ave	Abandon property due to fire	6/4/2021	Bryan/Stacey Brandenburgh		The utilities have been capped and now waiting for the demo company.
			Katherine & Joseph Desantiago	Phone call	Property was purchased by Bryan Brandenburgh and a purchase agreement was signed by Katherine Desantiago. Closing Date May 15, 2021. The purchase agreement states that the structure will be demolished by the new owner after closing. Copy of purchase agreement on file.
		12/7/2020			
		8/7/2020		Phone Call	Left a message for Katherine to call me and schedule a time to meet in reference to her property and the potential buyer and there agreement with time frames.

OPEN Property Maintenance Code Violation Report

					Katherine has contacted this office and now has title to the property. Trying to shedule meeting to discuss intentions and timelines for the property.
					Property owener according to Seward PD is Wayne Piper of York, Wayne Piper is deceased. Katherine is currently residing in York according to neighbors.
					Joseph is deceased. Phone number no longer valid. Neighbor says she relocated to York.



City of Seward
Police Department

Monthly Statistics
May 2021

Service Calls	503
Accidents	13
Arrests	10
Citations	38
Warnings	96
Parking Tickets	20

Does not include red tag warnings, yellow tag warnings or verbal warnings

Seward County Nebraska 2021-2022 Budget Form

Line No.	E911 FUND 65300 2910	Actual Expenditures 2019-2020 (Column 1)	Actual Expenditures 2020-2021 (Column 2)	Budgeted for 2020-2021 (Column 3)	Budget Requested for 2021-2022 (Column 4)	Budget Adopted 2021-2022 (Column 5)
1	EXPENDITURES					
2	Operating:					
3	10100 Official's Salary	\$ 55,345.00		\$ 57,720.00	\$ 55,000.00	
4	10200 Deputy's Salary	\$ 43,193.00		\$ 45,906.00	\$ 43,000.00	
5	10342 Dispatcher Salary	\$ 303,488.00		\$ 335,171.00	\$ 347,089.00	
6	10505 O/T & Holiday Pay	\$ 33,804.00		\$ 35,000.00	\$ 35,000.00	
7	10801 Workman's Comp	\$ 1,165.00		\$ 2,625.00	\$ 1,300.00	
8	10802 Health Insurance	\$ 121,832.00		\$ 140,000.00	\$ 140,000.00	
9	10900 Retirement Co-Share	\$ 29,418.00		\$ 31,000.00	\$ 31,000.00	
10	11000 FICA - County Share	\$ 27,525.00		\$ 35,000.00	\$ 35,000.00	
11	11100 Uniform Allowance	\$ 404.00		\$ 750.00	\$ 750.00	
12	11300 Other Personal Service (secretary payment)	\$ 500.00		\$ 800.00	\$ 800.00	
13	20100 Postal Service	\$ 372.00		\$ 750.00	\$ 200.00	
14	20200 Telephone Service	\$ 14,842.00		\$ 13,500.00	\$ 17,000.00	
15	20400 Radio & Telephone Maintenance	\$ 12,040.00		\$ 12,000.00	\$ 56,000.00	
16	20500 Utilities	\$ 7,689.00		\$ 4,000.00	\$ 2,500.00	
17	20501 Electricity	\$ 5,959.00		\$ 5,500.00	\$ 6,500.00	
18						
19	Total Operating (Lines 3 to 18)	\$ 657,576.00	\$ -	\$ 719,722.00	\$ 771,139.00	\$ -
20	Capital Outlay (Including Capital Improvements):					
21	Capital Improvements:					
22	Purchase of Real Property					
23	Improvements on Real Property					
24						
25	Other Capital Outlay:					
26						
27	50235 Communications Equipment	\$ 5,853.00		\$ -	\$ 2,500.00	
28	50311 Radio Equipment	\$ 1,744.00		\$ 2,000.00		
29	50500 Office Equipment	\$ 2,290.00		\$ 4,000.00	\$ 2,000.00	
30	60300 Sinking Fund	\$ 5,000.00		\$ 5,000.00		
31	Total Capital Outlay (Lines 21 to 30)	\$ 14,887.00	\$ -	\$ 11,000.00	\$ 4,500.00	\$ -
	Total of this Page Only	\$ 672,463.00	\$ -	\$ 730,722.00	\$ 775,639.00	\$ -
	Cost for NON Wage Items			\$ 190,925.00	\$ 229,550.00	

Seward County Nebraska 2021-2022 Budget Form

Line No.	E911 FUND(Cont) 2910	Actual Expenditures 2019-2020 (Column 1)	Actual Expenditures 2020-2021 (Column 2)	Budgeted for 2020-2021 (Column 3)	Budget Requested for 2021-2022 (Column 4)	Budget Adopted 2021-2022 (Column 5)
1	EXPENDITURES					
2	Operating:					
3	20600 Insurance Premium	\$ 2,908.00		\$ 3,300.00	\$ 3,100.00	
4	21200 Office Equipment Repair			\$ 1,000.00	\$ 1,000.00	
5	21700 Travel	\$ 640.00		\$ 1,000.00	\$ 1,000.00	
6	21801 Dues/Sub/Registrations	\$ 2,220.00		\$ 1,000.00	\$ 1,500.00	
7	22000 Printing & Publishing	\$ 613.00		\$ 400.00	\$ 300.00	
8	22400 Legal/Professional Services			\$ 300.00	\$ -	
9	27359 Mapping costs/AVL Maintenance	\$ 5,463.00		\$ 7,000.00	\$ 2,800.00	
10	29900 Misc.	\$ 539.00		\$ 350.00	\$ 350.00	
11	30100 Supplies	\$ 3,180.00		\$ 3,000.00	\$ 3,000.00	
12	40206 Communication Equipment Rental	\$ 8,554.00		\$ 8,500.00	\$ 11,000.00	
13	Dispatcher Training				\$ 3,900.00	
14						
15						
16						
17						
18						
19	Total Operating (Lines 3 to 18)	\$ 24,117.00	\$ -	\$ 25,850.00	\$ 27,950.00	\$ -
20	Capital Outlay (Including Capital Improvements):					
21	Capital Improvements:					
22	Purchase of Real Property					
23	Improvements on Real Property					
24						
25	Other Capital Outlay:					
26						
27	Transfer	\$ 41,365.00				
28						
29						
30						
31	Total Capital Outlay (Lines 21 to 30)	\$ 41,365.00	\$ -	\$ -	\$ -	\$ -
	Total of this Page Only	\$ 65,482.00	\$ -	\$ 25,850.00	\$ 27,950.00	\$ -
	Total of E911 Fund pages 1 & 2	\$ 737,945.00	\$ -	\$ 756,572.00	\$ 803,589.00	\$ -
	Percent Change from last FY to this year's request				6.21%	
	Cost for NON Wage Items Page 1 & 2			\$ 216,775.00	\$ 257,500.00	
	Percent Change for NON Wage items				18.79%	

Seward County Nebraska 2021-2022 Budget Form

Line No.	911 WIRELESS SERVICE FUND 2913	Actual Expenditures 2019-2020 (Column 1)	Actual Expenditures 2020-2021 (Column 2)	Budgeted for 2020-2021 (Column 3)	Budget Requested for 2021-2022 (Column 4)	Budget Adopted 2021-2022 (Column 5)
1	EXPENDITURES					
2	Operating:					
3	65300-20200 Telephone System	\$ 22,467.00		\$ 50,000.00	\$ 50,000.00	
4	65300-21200 Maintenance (Agreements)			\$ 50,000.00	\$ 50,000.00	
5	65300-27350 Mapping	\$ 10,163.00		\$ 50,000.00	\$ 50,000.00	
6	65300-29900 Misc.	\$ 33,283.00		\$ 50,000.00	\$ 50,000.00	
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19	Total Operating (Lines 3 to 18)	\$ 65,913.00	\$ -	\$ 200,000.00	\$ 200,000.00	\$ -
20	Capital Outlay (Including Capital Improvements):					
21	Capital Improvements:					
22	Purchase of Real Property					
23	Improvements on Real Property					
24						
25	Other Capital Outlay:					
26	65300-50500 Equipment					\$ -
27						
28						
29						
30						
31	Total Capital Outlay (Lines 21 to 30)	\$ -	\$ -	\$ -	\$ -	\$ -

Total of Page \$ 65,913.00 \$ - \$ 200,000.00 \$ 200,000.00 \$ -

Percent Change from last FY to this year's request

0.00%

Seward County Nebraska 2021-2022 Budget Form

Line No.	911 WIRELESS SET ASIDE FUND 2914	Actual Expenditures 2019-2020 (Column 1)	Actual Expenditures 2020-2021 (Column 2)	Budgeted for 2020-2021 (Column 3)	Budget Requested for 2021-2022 (Column 4)	Budget Adopted 2021-2022 (Column 5)
1	EXPENDITURES					
2	Operating:					
3	65300 20200 Phone System	\$ 12,921.00				
4	65300 29900 Misc.	\$ 5,494.00		\$ 300,000.00	\$ 300,000.00	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19	Total Operating (Lines 3 to 18)	\$ 18,415.00	\$ -	\$ 300,000.00	\$ 300,000.00	\$ -
20	Capital Outlay (Including Capital Improvements):					
21	Capital Improvements:					
22	Purchase of Real Property					
23	Improvements on Real Property					
24						
25	Other Capital Outlay:					\$ -
26						
27						
28						
29						
30						
31	Total Capital Outlay (Lines 21 to 30)	\$ -	\$ -	\$ -	\$ -	\$ -
Total of Page		\$ 18,415.00	\$ -	\$ 300,000.00	\$ 300,000.00	\$ -

0.00%

Percent Change from last FY to this year's request

COUNTY OF SEWARD

OFFICE NAME: _____

<u>Please List Employee Name or list as VACANT</u>	<u>Hire Date</u>	<u>Present Hrly/Salary Wage</u>	<u>New Wage for 2021-2022 Fiscal Year</u>	<u>% change from Prior Year</u>	<u># of Hours per week</u>	<u>Annual salary</u>	<u>Comments</u>
Sample not use this line) (Do	1/1/15	\$15.00	\$15.30	2.00%	40.00	\$31,824.00	
Andrew Matney		\$25.78	\$26.44	2.56%	40.00	\$54,995.20	
Asst Dir - OPEN		\$22.07	\$20.65	-6.43%	40.00	\$42,952.00	
Nancy Kavulak	9/12/06	\$18.26	\$18.62	1.97%	40.00	\$38,729.60	
Sandra Meisman	8/3/09	\$18.26	\$18.62	1.97%	40.00	\$38,729.60	
Kate Beard	11/10/11	\$18.14	\$18.50	1.98%	40.00	\$38,480.00	
Shannon Arena	4/6/11	\$18.14	\$18.50	1.98%	40.00	\$38,480.00	
Michelle McMann	7/12/15	\$17.90	\$18.25	1.96%	40.00	\$37,960.00	
David Doeden	5/20/16	\$17.90	\$18.25	1.96%	40.00	\$37,960.00	
Lauryn Chapman	3/1/21	\$16.55	\$16.88	1.99%	40.00	\$35,110.40	
Macey Griggs	4/19/21	\$16.55	\$16.88	1.99%	40.00	\$35,110.40	
Brooke Jacobsen	4/26/21	\$16.88	\$17.21	1.95%	40.00	\$35,796.80	
Rachel Borges - part timer	9/19/19	\$17.20	\$17.20	0.00%	12.00	\$10,732.80	
New			\$16.88	#DIV/0!		\$0.00	
				#DIV/0!		\$0.00	
				#DIV/0!		\$0.00	
				#DIV/0!		\$0.00	
				#DIV/0!		\$0.00	
				#DIV/0!		\$0.00	
				#DIV/0!		\$0.00	
Total Salaries						\$0.00	

\$445,036.80

JOB TITLE: ASSISTANT LIBRARY DIRECTOR (Salaried - Exempt)

ACCOUNTABILITY: Under the direction of the Library Director and in accordance with City Code.

JOB SUMMARY: Supervises and performs tasks in circulation, reference, acquisition, cataloging, and children's library work; when necessary or in absence of Library Director supervises work of all staff; directs Library in absence of Library Director; serves as general office manager for library.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

Administrative: assists with Library Board preparation; substitutes for Library Director when necessary at Library Board, City, and community meetings; when necessary or in absence of Library Director supervises work of library staff; enforces policies of Library Board and City of Seward; resolves patron complaints and delinquent overdue situations; represents Library on City Safety Committee; maintains inventory of equipment and furniture; oversees building maintenance, elevator checks, etc., contacts repair companies as needed; organizes and keeps current the staff procedures book; assists with development of library long-range plans, team targets, policy statements, budget and so on; directs the training and orientation of new employees and volunteers

Clerical: orders supplies, tracks usage, contacts vendors, works with City Purchasing Agent; creates financial reports (petty cash, receipts, Library Board bills, etc.); generates Library Board minutes

Technical/Computing Services: uses online vendors to order library materials; creates original cataloging for materials not found elsewhere; initiates periodical acquisitions and tracks renewals; inventories new materials as received; receives and responds to e-mail from patrons and staff members

Circulation: starts and closes computer system for staff stations, OPACs, public computers; uses all aspects of circulation computer (checking in and out, holds, lists, etc.); prints and checks overdues; collects fines

Public Services: offers reader's advisory services; offers patron assistance in-house and over the phone; assists with public computers; offers reference assistance using print and electronic resources; recommends titles for consideration; participates in special projects; schedules meeting room use

Personnel/Training: creates personal targets for performance evaluation as per City policy; tracks leave hours; attends staff meetings and in-service sessions; attends workshops and classes to achieve and maintain state certification; semi-annually reviews City and Library Board policy

Miscellaneous: Other duties as assigned

ADDITIONAL DUTIES AND RESPONSIBILITIES:

Clerical: maintains patron database; shelves all types of materials, and shelf-reads and straightens; delivers mail, agendas, orders and

maintains supply of federal and state income tax forms etc.; inventories library collection

Technical/Computing Services: troubleshoots computer problems; processes new materials; mends all types of materials; enters new materials on OCLC and/or on in-house system

Public Services: calls patrons for holds, overdue notices, other messages; creates and implements programs for children, young adults and adults; maintains all aspects of Inter-Library Loan; promotes new and upcoming acquisitions

Miscellaneous: duties of Library Clerk and Library Assistant I and II not listed here

SKILLS AND ABILITIES:

Physical Requirements: ability to lift up to 40 lbs.; ability to use step stools, to stoop or kneel; ability to use phone and computers, microfilm reader, cash register, calculator, etc

Skills: ability to work well with public; ability to supervise and lead other staff members when necessary; ability to learn, to follow directions, to work with or without supervision; ability to keyboard accurately at 50 wpm; three to four years of experience with various computer programs and functions

Knowledge: familiar with standard library practices, and organization reference tools

Availability: ability to work weekend and/or evening hours regularly; ability to substitute for others when possible

EXPERIENCE AND TRAINING: Graduation from College with either course work in library science or two years library work experience at Assistant II level or any equivalent combination of training and experience.

(Updated - September 2009)

JOB TITLE: ASSISTANT LIBRARY DIRECTOR (Salaried - Exempt)

ACCOUNTABILITY: Under the direction of the Library Director and in accordance with City Code.

JOB SUMMARY: Supervises and performs all aspects of basic library work; directs Library in absence of Library Director; serves as facilities and office manager for library, assists with staff and public technology.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

Administrative: assists with Library Board meeting preparation; substitutes for Library Director when necessary at Library Board, City, and community meetings; when necessary or in absence of Library Director supervises work of library staff; enforces policies of Library Board and City; resolves patron complaints and delinquent overdue situations; represents Library on City Safety Committee; maintains inventory of equipment and furniture; oversees building maintenance, elevator checks, etc., contacts repair companies as needed; organizes and keeps current the staff procedures book; assists with development of library long-range plans, policy statements, budget, etc.; directs the training and orientation of new employees and volunteers.

Clerical: orders supplies, tracks usage, contacts vendors; creates financial reports (petty cash, receipts, Library Board bills, etc.); generates Library Board minutes; inventories new materials as received.

Technical/Computing Services: assists in maintaining staff and public computers working with both hardware and software; uses online vendors to order library supplies; initiates periodical acquisitions and tracks renewals; receives and responds to e-mail from patrons and staff members.

Circulation: starts and closes computer system for staff stations, OPACs, public computers; uses all aspects of circulation computer (checking in and out, holds, lists, etc.); prints and checks overdues; collects fines.

Public Services: offers reader's advisory services; maintains all aspects of Inter-Library Loan; offers patron assistance in-house and over the phone; assists with public computers; offers reference assistance using print and electronic resources; recommends titles for consideration; participates in special projects; schedules meeting room use.

Personnel/Training: creates personal targets for performance evaluation as per City policy; tracks leave hours; attends staff meetings and in-service sessions; attends workshops and classes to achieve and maintain state certification; semi-annually reviews City and Library Board policy.

Miscellaneous: other duties as assigned.

ADDITIONAL DUTIES AND RESPONSIBILITIES:

Clerical: maintains patron database; shelves all types of materials, and shelf-reads and straightens; delivers mail, agendas; orders and maintains supply of federal and state income tax forms etc.; inventories library collection.

Technical/Computing Services: processes new materials; creates original cataloging for materials not found elsewhere; mends all types of materials; enters new materials on OCLC and/or on in-house system, assists with maintaining library website as needed.

Public Services: calls patrons for holds, overdue notices, other messages; creates and implements programs for children, young adults and adults; promotes new and upcoming acquisitions.

Miscellaneous: duties of Library Clerk and Library Assistant I and II not listed here.

SKILLS AND ABILITIES:

Physical Requirements: ability to lift up to 40 lbs.; ability to use step stools, to stoop or kneel; ability to use phone and computers, microfilm reader, cash register, calculator, etc.

Skills: ability to work well with public; ability to supervise and lead other staff members when necessary; ability to learn, to follow directions, to work with or without supervision; ability to keyboard accurately at 50 wpm; three to four years of experience with various computer programs and functions.

Knowledge: familiar with standard library practices.

Availability: ability to work weekend and/or evening hours regularly; ability to substitute for others when possible.

EXPERIENCE AND TRAINING: graduation from college with either course work in library science or two years library work experience at Assistant II level or any equivalent combination of training and experience.

(Updated - June 2021)



Seward Fire Department
222 N. 3rd St.
Seward, NE 68434

May 26, 2021

Honorable Fire Department,

It is with great pleasure that Deep South Fire Trucks is able to provide you with a bid for your needed 2000 Gallon Dry-Side Poly Tanker. We consider it both an honor and a pleasure to be able to bid on an apparatus for the Seward Fire Department and thank you for the opportunity. We have always believed in 100% customer satisfaction and hope that we can demonstrate that to your department through this bid. We have always maintained an "Open Plant" policy and if at any time you desire to visit our facility, we welcome you to do so. We have prepared a bid for one (1) 2000 Gallon Dry-Side Poly Tanker based upon your published specifications. Our proposal has many features that not only meet but exceed your specifications including the following items:

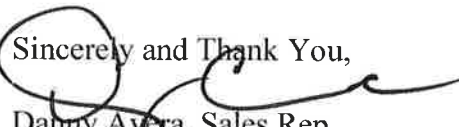
- **All Aluminum Body Lifetime Body Warranty including Sub-Frame, Crossmembers, walls, etc.**
- **Hale 750 GPM PTO Pump**
- **Service Center with Six (6) Fully Trained Technicians**

We have included full specifications as well as pictures of recently delivered apparatus with similar specifications. Our proposed truck will be built to exceed your minimum specifications and be built to meet your exact needs. If we can ever be of assistance to your department please feel free to call us, as we welcome your call at any time and hope to earn your business. Thank you once again for your consideration and look forward to hearing from you.

Price on one (1) 2000 Gallon Dry-Side Poly Tanker with matching specifications and delivery is: **\$ 273,465.00**

****Price includes the requested Performance Bond; deduct 3% from the above price to waive this required fee.**

Sincerely and Thank You,


Danny Averra, Sales Rep.
Deep South Fire Trucks, Inc.
800-727-4166

Deep South Fire Trucks, Inc. – 2342 Hwy 49 N – P.O. Box 293 – Seminary, MS 39479
(800) 727-4166 – (601) 722-4166 Direct - (601) 722-4168 Fax
www.deepsouthfiretrucks.com

2000 GALLON TANKER APPARATUS SPECIFICATIONS

GENERAL INFORMATION

The proposed apparatus will be constructed to withstand the severe and continuous use encountered during emergency fire fighting services. The apparatus shall be of the latest type, carefully designed and constructed with due consideration to the nature and distribution of the load to be sustained. These specifications detail the proposal for general design criteria of cab and chassis components, fire pump and related components, water tank, fire body, electrical components, painting, and equipment. All items of these proposal specifications will conform to the National Fire Protection Association Pamphlet No. 1901, latest edition. The manufacturer will furnish satisfactory evidence of our ability to construct, supply service parts and technical assistance for the apparatus specified. The proposed chassis will be certified as conforming to all applicable federal motor vehicle safety standards (FMVSS) in effect at the date of contract. This will be attested to by the attachment of a FMVSS certify caution label on the vehicle by the manufacturer, who will be recognized as the responsible final manufacturer.

GENERAL CONSTRUCTION

The proposed apparatus, assemblies, subassemblies, component parts, etc., will be designed and constructed with the due consideration to the nature and distribution of the load to be sustained and to the general character of the service to which the apparatus is to subject when placed in service. All parts of the apparatus will be designed with a factor of safety, which is equal to or greater than that which is considered standard and acceptable for this class of equipment in fire fighting service. All parts of the proposed apparatus will be strong enough to withstand general service under full load. The apparatus will be so designed that the various parts and readily accessible for lubrication, inspection, adjustment and repair. The apparatus will be designed and constructed, and the equipment so mounted, with due consideration to distribution of the load between front and rear axles that all specified equipment, including a full water tank, loose equipment, and firefighters will be carried without overloading or injuring the apparatus.

STEPPING, STANDING & WALKING SURFACES

All stepping, standing, and walking surfaces on the body will meet NFPA #1901 anti-slip standards. Aluminum tread plate utilized for stepping, standing, and walking surfaces will be Alcoa No-Slip type. This material will be certified to meet the NFPA #1901 standard. Upon request by the purchaser, the manufacturer will supply proof of compliance with this requirement. All vertical surfaces on the body, which incorporate aluminum tread plate material, will utilize the same material pattern to provide a consistent overall appearance.

NFPA 1901-2016 STABILITY REQUIREMENTS

Apparatus shall meet NFPA 1901-2016 chapter 4.13 requirements for stability and roll over and shall be certified with center of gravity request as outlined by NFPA. A center of gravity calculation report will be provided for the specific individual vehicle. The apparatus shall meet the NFPA requirements for center of gravity testing.

INSPECTION TRIPS

The bidder shall provide one (1) factory pre-build conference trip for 2 customer representatives. And one (1) factory pre-delivery conference trip for 3 customer representatives. The inspection trips shall be scheduled at times mutually agreed upon between the manufacturer's representative and the customer. All costs such as travel, lodging and meals shall be the responsibility of the bidder.

CENTER OF GRAVITY TEST

The height of the fully loaded vehicle's center of gravity shall not exceed the chassis manufacturer's maximum limit. The apparatus, prior to acceptance, will be required to meet the vehicle stability of the applicable NFPA Automotive Fire Apparatus standard. A calculated center of gravity shall be provided. The calculated or measured center of gravity shall be no higher than 80% of the rear axle track width. The front to rear weight distribution of the fully loaded vehicle shall be within the limits set by the chassis manufacturer. The front axle loads shall not be less than the minimum axle loads specified by the chassis manufacturer, under full loads and all other loading conditions.

NFPA COMPLIANCE

The apparatus shall comply with the 2016 edition of the NFPA #1901 standards and section contained therein, Chapter 7 Water Tender Fire Apparatus.

PERSONNEL PAYLOAD CAPACITY

A label shall be installed in cab to denote that two (2) personnel may be carried.

REAR AXLE TOP SPEED

The rear axle/s shall be geared for a vehicle top speed in accordance with NFPA sections 4.15.2 and 4.15.3. Units with GVWR over 26,000 pounds shall be limited to 68 mph. If the combined tank capacity is over 1250 gallons of foam and water or the GVWR is over 50,000 pounds, the vehicle top speed shall be limited to 60 mph or the fire service rating of the tires, whichever is lower.

The road speed shall be set to 65 MPH per fire department, a waiver will be required for this top speed due to the above NFPA clause.

ANGLE OF APPROACH

The angle of approach for the apparatus shall not be less than eight (8) degrees as specified by the current edition of NFPA 1901.

ANGLE OF DEPARTURE

The angle of departure for the apparatus shall not be less than eight (8) degrees as specified by the current edition of NFPA 1901.

INSTRUCTION MANUALS/DRAWINGS, SCHEMATIC

The manufacturer will supply at time of delivery, two (2) copies of a complete operation and service manual covering the complete apparatus as delivered and accepted.

The manual will contain the following:

- Descriptions, specifications, and ratings of chassis, pump (if applicable), and aerial device (if applicable).
- Wiring diagrams
- Lubrication charts
- Operating instructions for the chassis, any major components such as a pump and any auxiliary systems.
- Instructions regarding the frequency and procedures recommended for maintenance.
- Parts replacement information.

CAB SAFETY SIGNS

The following safety signs shall be provided in the cab:

- A label displaying the maximum number of personnel the vehicle is designed to carry

shall be visible to the driver.

- "Occupants must be seated and belted when apparatus is in motion" signs shall be visible from each seat.
- "Do Not Move Apparatus When Light Is On" sign adjacent to the warning light indicating a hazard if the apparatus is moved (as described in subsequent section).
- A label displaying the height, length, and GVWR of the vehicle shall be visible to driver. This label shall indicate that the fire department must revise the dimension if vehicle height changes while vehicle is in service.
- One (1) label shall be installed in the cab, visible from each seating position. The label shall read "CAUTION: DO NOT WEAR HELMET WHILE SEATED." Helmets must be properly stowed while the vehicle is in motion according to the current edition of NFPA 1901.
OTHER:
- One (1) "NO RIDERS" label shall be applied on the vehicle at the rear step area or other applicable areas. The label shall warn personnel that riding in or on these areas, while the vehicle is in motion is prohibited.

MANUALS AND CERTIFICATION

At time of delivery, two (2) complete set of the following manuals and test shall be provided:
Pump Manual and Current Pump Test
Service Manuals
Chassis Operational Manuals

Note- The fire department requests to have the manuals and certifications provided in CD form in addition to the printed copies.

AMP DRAW REPORT

The bidder will provide, at the time of bid and delivery, an itemized print out of the expected amp draw of the entire vehicle's electrical system.

The manufacturer of the apparatus will provide the following:

- 1) Documentation of the electrical system performance tests.
- 2) A written load analysis, which will include the following:
 - A) The nameplate rating of the alternator.
 - B) The alternator rating under the conditions specified per:
Applicable NFPA 1901 or 1906 (Current Edition).
 - C) The minimum continuous load of each component that is specified per:
Applicable NFPA 1901 or 1906 (Current Edition).
 - D) Additional loads that, when added to the minimum continuous load, determine the total connected load.
 - E) Each individual intermittent load.

All of the above listed items will be provided by the bidder per the applicable NFPA 1901 or 1906 (Current Edition).

PAYMENT TERMS

Apparatus is quoted with a "Zero Money Down" Contract, no down payment is required with full payment upon delivery to fire department.

BASIC CHASSIS SPECIFICATIONS

MODEL: 2021 or Newer Kenworth or Equal Cab

DRIVE: 2 Door Cab

TYPE: Full Truck
SERVICE: Fire Apparatus
FRONT AXLE: 14,600 lbs. Minimum Front GVW
REAR AXLE: 30,000 LBS. Minimum Rear GVW
G.C.W.: 44,600 LBS.
ENGINE: 8.9L or Larger Engine
Horse Power: 380 HP
Cruise Control
PTO Provision
Air Compressor
Air Restriction monitor
EXHAUST: Single DPF RH mounted, horizontal tailpipe
ALTERNATOR: 320 amp
BATTERIES: 3 x (700) TOTAL 2100 CCA
TRANSMISSION: Allison 3000EVS_P 5-SPD
BRAKES: Full Air with ABS

CHASSIS TO HAVE REAR AXLE DIFFERENTIAL LOCK

REYCO SPRING STYLE SUSPENSION

ENGINE EXHAUST BRAKE

AIR CONDITIONING

POLISHED ALUMINUM WHEELS WITH CHROME HUB COVERS

DUAL STUTTER TONE AIR HORNS ON FENDERS

ONE (1) ALUMINUM 50 GALLON FUEL TANK

HIGH IDLE

S-CAM FRONT AND REAR BRAKES WITH ABS BRAKING SYSTEM

BRIGHT FINISH WEST COAST STYLE MIRROR WITH HEAT AND REMOTE

STAINLESS STEEL SUNVISOR

HIGHWAY TREAD ON FRONT TIRES

ON/OFF ROAD TREAD ON REAR TIRES

SINGLE HORIZONTAL EXHAUST

PAINT SHALL BE VIPER RED

TILT WHEEL

ENGINE COMPARTMENT LAMP MOUNTED INSIDE ENGINE COMPARTMENT

AIR RIDE DRIVERS SEAT

AIR RIDE PASSENGER SEAT

NFPA COMPLIANT SEAT BELTS AND GRAB HANDLES

EXHAUST SYSTEM

The chassis exhaust shall be modified and redirected to the right side of the apparatus and will exit ahead of the rear wheel. A heat shield shall be installed under the body to protect the areas in which the areas where the exhaust system is routed.

SEAT BELT CLARIFICATION

Red seat belts shall be provided to meet current NFPA standards. There shall be an in-cab seat belt monitor system to meet NFPA 2016 edition installed on apparatus.

VEHICLE DATA RECORDER

Vehicle shall be equipped with a vehicle data recorder to meet NFPA 2016 edition Standards, with access to recorder in cab. The (VDR) shall be an on-board Vehicle Data Recorder installed in the chassis cab to collect essential information in order to assist in the training and safety efforts of the department. It shall be capable of recording 100 engine-hours worth of minute by minute information.

The VDR shall be capable of recording the following data at least once per second:

- Vehicle Speed (mph)
- Acceleration (mph/sec)
- Deceleration (mph/sec)
- Engine Speed (RPM)
- Engine Throttle Position (% of Full Throttle)
- Anti-Lock Braking System (On/Off)
- Seat Occupied Status (Occupied: Yes/No by Position)
- Seat Belt Status (Buckled: Yes/No by Position)
- Master Optical Warning Device Switch (On/Off)
- Time (24 Hour Clock)
- Date (Year/Month/Day)

All data stored in the VDR shall be up loadable by the user to a computer and importable into a data management software package. Data shall be password protected with access controlled by the purchaser.

Software shall be delivered with the apparatus that will run on both Windows® and Apple® operating systems and produce the following formatted reports from the uploaded data:

- Raw second-by-second data over a specified data/time range
- Daily log for the time the engine is running for a given date (*minute-by-minute out put of all values*)
- Weekly summary (*maximum values each hour for each day of the week*)
- Monthly summary (*maximum values each day for each day of the month*)

SEAT BELT WARNING

A seat belt warning system, integrated with the Vehicle Data Recorder system, shall be installed for each seat within the cab. The system shall activate an indicator light in the instrument panel, a digital seat position indicator with a seat position legend in the switch panel, and an audible alarm. The warning system shall activate when any seat is occupied with a minimum of 60 pounds, the corresponding seat belt remains unfastened, and the park brake is released. The warning system shall also activate when any seat is occupied, the corresponding seat belt was fastened in an incorrect sequence, and the park brake is released. Once activated, the visual indicators and audible alarm shall remain active until all occupied seats have the seat belts fastened.

AIR HORNS

Two (2) Hadley round air horns with 6.00" bell will be provided and located one (1) each side of the hood. The horn system will be piped to the air brake system wet tank utilizing 0.38" tubing. A pressure protection valve will be installed in-line to prevent the loss of air, in the air brake system.

AIR HORN CONTROL

The air horns will be actuated by one (1) foot switch, located on the driver side of apparatus and lanyard mounted in roof of chassis between front seating positions.

AIR LIMITER

A limiter valve shall be installed on the chassis reserve air tank, elimination the use of all air accessories when the chassis air pressure is under 100 psi, thus reserving all available air for braking effort.

VEHICLE TIRE MONITORS

There will be a VECSAFE LED tire alert pressure management system provided that will monitor each tire's pressure. A chrome plated brass sensor will be provided on the valve stem of each tire for a total of six (6) tires. The sensor will calibrate to the tire pressure when installed on the valve stem for pressures between 20 and 120 psi. The sensor will activate an integral battery-operated LED when the pressure of that tire drops eight (8) psi. Removing the cap from the sensor will indicate the functionality of the sensor and battery. If the sensor and battery are in working condition, the LED will immediately start blinking.

VEHICLE FLUIDS PLATE

As required by NFPA-1901, the manufacturer will affix a permanent plate in the driver's compartment specifying the quantity and type of the following fluids used in the vehicle:

A permanent plate in the driving compartment will specify the quantity and type of the following fluids used in the vehicle:

- Engine oil
- Engine coolant
- Chassis transmission fluid
- Pump transmission lubrication fluid
- Pump primer fluid
- Drive axle(s) lubrication fluid
- Air-conditioning refrigerant

Air-conditioning lubrication oil
Power steering fluid
Cab tilt mechanism
Transfer case fluid
Equipment rack fluid
Air compressor system lubricant

DELIVERY

The apparatus will be delivered under its own power.

NFPA COMPLIANT EMBER SEPARATOR

NFPA COMPLIANT SEAT BELTS AND GRAB HANDLES

ANTI-LOCK BRAKE SYSTEM

The vehicle will be equipped with an anti-lock braking system. The ABS will provide anti-lock braking control on both the front and rear wheels. It is to be a digitally controlled system that utilizes microprocessor technology to control the anti-lock braking system. Each wheel is to be monitored by the system. When any particular wheel begins to lockup, a signal is to be sent to the control unit. This control unit then will reduce the braking of that wheel for a fraction of a second and then reapply the brake. This anti-lock brake system will eliminate the lockup of any wheel thus helping to prevent the apparatus from skidding out of control.

EMBER SEPARATOR

An air inlet shall be equipped with a screen for separating water and burning embers from the air intake system such that particulate matter larger than 0.039" (1.0 mm) in diameter cannot reach the air filter element.

SEAT BELT CLARIFICATION

Red seat belts shall be provided to meet current NFPA standards. There shall be an in-cab seat belt monitor system to meet NFPA 2016 edition installed on apparatus.

MASTER BATTERY SWITCH

A heavy duty on/off single battery master disconnect switch shall be mounted in the cab within easy reach of the driver. The master battery switch shall be wired between the starter solenoid and the remainder of the electrical loads on the apparatus. A green "battery on" indicator light, visible from the driver's position shall be provided.

BATTERY SYSTEM INDICATOR LIGHT

There shall be a green battery "on" light provided front center of the cab. Light shall not be size and/or intensity to be distracting to driver at night.

COMMERCIAL CHASSIS ELECTRICAL SYSTEM

The commercial chassis electrical system shall be provided as furnished by the original manufacturer. A customized interface shall be provided and designed, so as not to disturb any of the required chassis functions. The necessary interfaces shall only be provided in areas where load management is allowed or with accessory components provided on the chassis.

HUB AND LUG NUT COVERS

The apparatus shall have chrome or stainless-steel hub and lug nut covers on the front and single rear axles.

FRONT MUD FLAPS

Mud flaps shall be made from black hard rubber and shall be installed at the rear of the front cab fenders.

REAR MUD FLAPS

Mud flaps shall be made from black hard rubber and shall be installed at the rear of the body fenders.

WHEEL CHOCKS

There will be one (1) pair of folding Ziamatic SAC-44-E, aluminum alloy, Quick-Choc wheel blocks, with easy-grip handle provided.

WHEEL CHOCK BRACKETS

There will be one (1) pair of Ziamatic SQCH-44-H horizontal mounting wheel chock brackets provided for the Ziamatic SAC-44-E folding wheel chocks. The brackets will be mounted in a position determined at the preconstruction conference.

REAR TOW EYES

There shall be two (2) tow eyes furnished under the rear of the body and attached directly to each chassis frame rail. There shall be a reinforcement spreader bar connecting the two tow eyes. Tow eyes are to be constructed of 1/2" plate steel with a 4" I.D. hole, large enough for passing through a tow chain end hook, painted black.

BATTERY CHARGER/ AIR COMPRESSOR

A Kussmaul Pump Plus 1000, model 091-9-1000 single 18-amp output battery charger/air compressor system with internal battery saver will be provided. A display bar graph indicating the state of charge will be included. The battery saver circuit will be capable of supplying up to three (3) amps for external loads such as hand light or auxiliary radio batteries. The 12-volt air compressor will be installed to maintain the air system pressure when the vehicle is not in use. The battery charger will be wired to the AC shoreline inlet through an AC receptacle adjacent to this battery charger. The battery charger indicator will be located in the cab step area of the driver side entrance.

KUSSMAUL AUTO EJECT FOR SHORELINE

one (1) shoreline receptacle will be provided to operate the dedicated 120-volt circuits on the truck without the use of the generator. The shoreline receptacle (s) will be provided with a NEMA 5-20, 120 volt, 20 amp, straight blade Kussmaul auto eject plug with a red weatherproof cover. The cover is spring loaded to close, preventing water from entering when the shoreline is not connected. A solenoid wired to the vehicle's starter is energized when the engine is started. This instantaneously drives the plug from the receptacle. The shoreline will be connected to battery direct. A mating connector body will also be supplied with the loose equipment. The shoreline receptacle will be located on the driver side of pump panel.

HIGH IDLE

A high idle switch will be provided, inside the cab, on the instrument panel, that will automatically maintain a preset engine rpm. A switch will be installed, at the cab instrument panel, for activation/deactivation. The high idle will be operational only when the parking brake is on and the truck transmission is in neutral. A green indicator light will be provided, adjacent to the switch. The light will illuminate when the above conditions are met. The light will be labeled "OK To Engage High Idle".

ELECTRONIC LOAD MANAGEMENT

A Kussmaul Load Manager 2 will be provided on the apparatus. The device is an electronic load management (ELM) system that monitors the vehicles 12-volt electrical system, and automatically reduces the electrical load in the event of a low voltage condition and by doing so, ensures the integrity of the electrical system. The ELM will monitor the vehicle's voltage while at the scene (parking brake applied). It will sequentially shut down individual electrical loads when the system voltage drops below a preset value. Two (2) separate electrical loads will be controlled by the load manager. The ELM will sequentially re-energize electrical loads as the system voltage recovers.

BUMPER EXTENSION

The factory front bumper shall be extended 16 inches forward of the original position to accommodate a 2.5" discharge and hose well made of .125" smooth aluminum with drainage. A polished aluminum .125" tread plate piano hinged door with latch covering the storage well shall be installed. A polished aluminum .125" tread plate cover shield with end plates shall be installed to enclose the space behind the bumper. The front bumper discharge shall be detailed later in the specifications.

FEDERAL Q SIREN

There shall be a pedestal mount Federal QB2 siren pedestal mounted on the driver side front bumper area. The siren shall be actuated by the following switch configuration: driver and passenger side clam shell in floor. There shall be a siren brake mounted in the center console. There shall be a weather proof shield provided around the siren motor and electrical connections and made as secure as possible.

TOW HOOKS

The apparatus shall be equipped with NFPA approved front and rear tow hooks. The front tow eyes shall be steel loop with threaded end that is bolted through front bumper extension frame work. The eyes shall extend through the filler panel on the front bumper.

NFPA 1901-2016 STABILITY REQUIREMENTS

Apparatus shall meet NFPA 1901-2016 chapter 4.13 requirements for stability and roll over and shall be certified with center of gravity request as outlined by NFPA.

"DO NOT MOVE APPARATUS" WARNING LIGHT WITH AUDIBLE ALARM

A red flashing warning light with an integral audible alarm, shall be functionally located in the cab to signal when an unsafe condition is present such as an open cab door or body compartment door, an extended ladder rack, a deployed stabilizer, an extended light tower or any other device which is opened, extended or deployed which may cause damage to the apparatus if it is moved. This light shall be activated through the parking brake switch to signal when the parking brake is released. This light shall be labeled "DO NOT MOVE APPARATUS WHEN LIGHT IS ON".

WATER TANK

The water tank shall have a capacity of 2000 gallons water and, constructed from polypropylene material. The Poly water tanks shall be constructed from 1/2" thick polypropylene sheet stock. This material shall be a non-corrosive stress relieved thermo-plastic, natural in color, and U.V. stabilized for maximum protection. The water tanks shall be of a specific configuration and is also designed to be completely independent of the body and compartments. All joints and seams shall be nitrogen welded and tested for maximum strength and integrity. The top of the booster tank is fitted with removable lifting eyes designed with a 3 to 1 safety factor to facilitate easy removability. The transverse swash partitions shall be manufactured of 1/2" polypropylene (natural in color) and extend from approximately 4" off the floor to just under the cover. The longitudinal swash partitions shall be constructed of 1/2" polypropylene (natural in color) and extend from the floor of the tank through the cover to allow for positive welding and maximum integrity. All partitions shall be equipped with vent and air hoses 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 welded to each other as well as to the walls of the tank.

TANK LID

The tanks cover shall be constructed of 1/2" thick polypropylene, natural in color, and U.V. stabilized, to incorporate a multi three-piece design, which allows for individual removal and inspection if necessary. The tank cover shall be recessed 3/8" from the top of the tank and shall be welded to both sides and longitudinal partitions for maximum integrity. Each one of the covers shall have hold downs consisting of 2" polypropylene dowels spaced a maximum of 30" apart. These dowels shall extend through the covers and become welded to the transverse partitions. This shall assist in keeping the cover rigid under fast filling conditions. A minimum of two lifting dowels shall be drilled and tapped 1/2" X 13" to accommodate the lifting eyes.

TANK FILL TOWER

The tank shall have a combination vent and manual fill tower. The fill towers shall be constructed of 1/2" polypropylene and shall be 12" W x 12" L outer perimeter. The tower shall be located a minimum of 6" off the front wall and 10" off either of the side walls. The tower shall have a 1/4" thick removable polypropylene screen and a polypropylene hinged type cover. The fill tower cover shall be marked as a water tank fill point.

OVERFLOW AND VENT PIPE

The fill tower shall be fitted with an integral 4" I.D. schedule 40 P.V.C. combination overflow/vent pipe running from the fill tower through the tank to a 4" coupling flush mounted into the bottom of the tank to allow water to overflow behind the chassis rear axle.

TANK SUMP

The tank sump shall be a minimum of 3" wide x 3" long x 3" deep. An anti-swirl plate shall be mounted inside the sump, approximately 1" above the bottom of the sump.

TANK SUMP CONNECTION

The front bulkhead of the water tank shall be fitted with one (1) A 3" drain plug shall be provided.

OUTLETS

There shall be two (2) standard tank outlets; one for tank-to-pump suction line which shall be a minimum of 4" coupling and one for a tank fill line which shall be a minimum of a 2" N.P.T. coupling. All tank fill couplings shall be backed with flow deflectors to break up the stream of water entering the tank.

TANK MOUNTING

The tank shall rest on the body cross members spaced a maximum of 22" apart and shall be insulated from these cross members with a minimum of 3/8" nylon webbing or 1/2" rubber, 2-1/2" wide. The tank shall sit cradle-mounted using four (4) corner angles of 6 x 6 x 4 x 0.250 welded directly to the body cross members. The angles shall keep the tank from shifting left to right or front to rear. The tank is designed on the free-floating suspension principle and shall not require the use of hold downs. The tank shall be completely removable without disturbing or dismantling the apparatus body structure. The hose bed cross braces shall act as water tank retainers.

TANK PAINT

Tank shall be natural black in color and hidden behind the dry side body.

TANK WARRANTY

The tank shall feature a lifetime warranty from Manufacturer.

SWIVEL QUICK DUMP VALVE

One (1) 10"x10" Steel Newton Quick Flow Dump Valve shall be installed with the Newton 6000SW swivel chute and model 4036 manual telescopic extension on the apparatus booster tank. The valve shall be bolted using high grade fasteners to the tank walls at location as follows: rear center. The entire assembly shall be stainless steel. The Newton 6000 Series swivel dump shall have the ability to dump water from the driver's side or the officer's side and any point in between. The swivel dump is 70 inches long when fully extended. The swivel dump shall have an extension that is hinged and can be folded up when the dump is not in use. The dump shall have the ability to stow on either the driver's side or the officer's side of the truck. The latch that holds the extension in the stowed position shall also help support the swivel dump extension. When the extension is in the down and extended position, there shall be no less than a 34-inch clearance from level ground to the bottom of the dump to ensure that there is enough clearance for the swivel dump to offload into all portable drop tanks. The dump shall meet NFPA requirements for water delivery on three sides of the vehicle.

REAR DIRECT TANK FILL 2.5"

There shall be one (1) direct tank fill located on the rear of the tank, right-hand side of the dump valve with Fireman's Friend valve. The valve shall be a 3" Fireman's Friend 3" check valve and shall be constructed using 316 heavy duty gauge stainless steel casting, EPDM rubber seals, high grade stainless steel springs, shafts, and prevailing torque fasteners. The valve shall be operated to open and close by the flow of water as it is received by an outside source. The valve inlet shall be a 2 1/2" NST hose thread adapter. The plumbing shall extend out enough from the tank wall so as to keep firefighters from having to lean over the rear steps to connect the fill/supply hose.

APPARATUS BODY DESIGN CONSTRUCTION

The body side and compartment assemblies shall be designed and assembled to provide maximum strength and durability under all operating conditions. Special attention shall be taken to minimize corrosion on all fabricated parts and structural members of the body. The body design shall also incorporate removable panels to access spring hangers, rear body mounts and fuel tank sending units. The body assembly shall be an all-welded configuration, utilizing 2" vertical body corner radius.

99" WIDE FIRE BODY

The fire body shall be 99" wide to provide the maximum amount of usable hose bed space, approximately 76" wide, and to extend the body fenderettes outward for better tire tread coverage.

SUPER STRUCTURE – ALUMINUM

The body super structure shall be an all welded configuration utilizing a combination of 3" x 3/8" Aluminum. The super structure shall be designed to totally support the full length and width of the body. The structure shall be welded to the body side compartments to incorporate the compartments into an integral part of the body weldment. All cross tubes of the structure shall be capped and butt welded at their point of termination to prevent water from lying inside the super structure. The super structure shall be bolted to the sides of the chassis frame at four (4) points.

BODY AND COMPARTMENT FABRICATION – 1/8" ALUMINUM

The body shall be assembled in fixtures to ensure accurate body dimensions and squareness of door openings. The parts used in the construction of the body weldment shall be fabricated from the highest-Grade Aluminum. After proper alignment is achieved, the body panels shall be spot-welded together to ensure proper weld penetration and then stitch-welded on all exposed seams to minimize distortion of welded assemblies. A full seam weld shall not be used due to the applied heat which shall distort sheet metal and remove the protective coating from the perimeter of the welded area. All seams shall be caulked prior to finish paint to ensure proper compartment seal.

BODY-FORMED SEVERE SERVICE ALL ALUMINUM DRY SIDE BODY

The apparatus body substructure shall be constructed of high strength aluminum tubing.

Body shall have the following minimal underbody design:

3- Horizontal Underbody Beams (Sub-Frame), One at front, middle, and rear of body constructed of 3 x3 x.375 Aluminum 6061-T6 Tubing

2-Pieces of 3 x 3 x.25 6061-T6 Aluminum Tubing running from front of body to rear transverse compartment, one each side.

2- Pieces of 3 x 3 x.25 6061-T6 Aluminum tubing running the full length of the body for the upper body support beams.

4- Pieces of 3 x 3 x .25 6061-T6 Aluminum tubing equally spaced between three horizontal underbody beams for underbody support.

4- Pieces 3 x 3 x .25 Aluminum Tubing, one at each corner of body to form outer corner support of body

4- Pieces 3 x 3 x.25 6061-T6 Aluminum Tubing, two each side to form side body wall supports. Tubing shall be at compartment breaks for added support of body.

DRIVERS SIDE COMPARTMENTATION

One (1) low side compartment, with a Dover roll-up door, forward of the rear wheels. Compartment dimensions 30" High x 24" deep x 72" Wide.

-There shall be a 300# slide out tray provided in the forward section of the L1 compartment for storage of FD supplied equipment. The slide out tray shall be mounted on stainless steel bearing slides with locking mechanism on one end. The slide outs shall be fitted with a 2" tray constructed of aluminum 3/16" material.

-There shall be a custom storage rack provided in the rearward section of the L1 compartment. The rack shall be designed to carry two (2) TFT low level strainers. There shall be a retainer strap provided to keep the rack in place during transit.

One (1) low side compartment, with a Dover roll-up door, behind the rear wheels. Compartment dimensions 30" High x 24" deep x 34" Wide

OFFICERS SIDE COMPARTMENTATION

One (1) low side compartment, with Dover roll-up door, forward of the rear wheels. Compartment dimensions 30" High x 24" deep x 72" Wide.

One (1) low side compartment, with a Dover roll-up door, behind the rear wheels. Compartment dimensions 30" High x 24" deep x 34" Wide.

SHELVING

There shall be two (2) adjustable shelves provided and installed, one in each rear side body compartment. The shelving shall be mounted in aluminum "C" channel tracking with infinite adjustment.

ROLL UP DOOR CONSTRUCTION

The apparatus shall be equipped with Dover roll up style doors. The doors shall be left natural anodized finish.

SWEEP OUT COMPARTMENT FLOORS

Compartment floors shall be welded to the compartment walls and have a sweep out design for easy cleaning.

COMPARTMENT INTERIOR FINISH

Each compartment shall be left natural finish.

COMPARTMENT LIGHTING -LED

Each body compartment shall contain one (1) clear LED vertical strip light assembly, as provided by ROM. The compartment lighting system shall be LED and shall be integrated into the roll-up door track system. Each compartment shall be equipped with dual track lighting; each containing a minimum of two (2) LED light boards totaling 140 lumens. The LED light boards shall be equipped with heavy duty connectors and shall be adjustable to position light exactly where needed in the compartment and shall provide a 120-degree viewing angle, offering uniform surface coverage.

SIDE BODY FENDER

One side body fender shall be installed on each side of body between front and rear compartments and over wheel well area. Fender shall be manufactured of .125 polished aluminum diamond plate.

COMPARTMENT TOPS

Compartment tops shall be covered with polished aluminum tread plate on both sides. The compartment tops shall be flanged up at hose bed wall and shall have a 90-degree flange downward over the top of compartments.

DRIP MOLDING

Compartment tops over all side compartments shall have a 45-degree flange formed out to provide protection against water run off. A secondary extruded drip molding shall be provided between low compartments and auxiliary high side compartments, when auxiliary compartments are provided.

FASTENERS

All exterior fasteners used for holding panels or tread plate shall be stainless steel. In no case shall pop rivets or self-tapping screws be used.

COMPARTMENT LOUVERS

Machine stamped ventilating louvers shall be furnished in each compartment, and so located that water cannot normally enter the compartment.

ACCESS PANELS

Removable access panels shall be provided in all lower compartments to access spring pins, fuel tank sender, electrical junction compartment and rear body mounts. Protective panels shall be located in the rear compartments providing access to the lights and associated wiring.

COMPARTMENT MATTING

Black rubber (turtle tile style) matting will be provided in all Compartments and in the hose beds of the apparatus.

BODY RUB RAILS

Sacrificial aluminum tread plate rub rails shall be mounted at the base of the body, extend outward a minimum 3/4", downward 2" and flange inward 1". The rub rails shall extend the full length of the main body and wrap around the rear body corners. Rub rails shall be designed to bolt to the body from the bottom side of the compartment area, so as not to damage the body side panels on initial impact and to provide for ease of replacement.

GRAB RAILS

All hand rails shall be 1-1/4" outer diameter, knurled bright anodized aluminum extrusion, designed to meet NFPA 1901 requirements. Molded gaskets shall be installed between the handrail stanchion castings and body surfaces to prevent electrolytic reaction between dissimilar metals and to protect paint. There shall be three (3) grab rails on the rear of the truck: driver side vertical, passenger side vertical, and center above dump valve horizontal.

REAR FOLDING STEPS

Four (4) large folding steps, made of high strength die cast aluminum, with a textured chrome plate finish, minimum of 42 in² surface, conforming to NFPA-1901 requirements, shall be provided on the rear of tank for hose bed access. The steps shall be mounted to accommodate access to the body hose bed area with a maximum of 18" height between each step.

FRONT FOLDING STEPS

Four (4) large folding steps, made of high strength die cast aluminum, with a textured chrome plate finish, minimum of 42 in² surface, conforming to NFPA-1901 requirements, shall be provided on the front of the apparatus body, two each side. The steps shall be mounted to accommodate access to the body hose bed area with a maximum of 18" height between each step.

SAFETY SIGN(S) AT REAR STEP AND CROSS WALKWAY(S)

Safety sign(s) shall be located on the vehicle at the rear step, and at any cross walkway(s), to warn personnel that riding in or on these areas while the vehicle is in motion is prohibited.

REAR FENDERETTES

The rear fenders shall be equipped with easily replaceable, polished extruded aluminum fenderettes. The fenderettes shall be equipped with a rubber gasket molding between the body panel and the fenderette.

MUD FLAPS

Heavy duty mud flaps shall be provided behind the rear wheels.

SLIDE IN SUCTION HOSE RACK-DRIVER

There shall be suction hose and pike pole storage provided on the apparatus, the suction hoses and pike poles shall slide in the rear driver side of apparatus in the outboard position. There shall be poly striping provided in the floor of the suction hose slides to prevent metal to metal contact. The storage area shall be built into the body with the outside skin painted to match the body. The rack shall be capable of holding two (2) 10' x 6" Suction Hoses and Three (3) pike poles.

HARD SUCTION HOSE

Two (2) 10' x 6" sections of flexible see thru hard suction hose will be provided and stored in the hose troughs.

SLIDE IN DUMP TANK RACK-PASSENGER

There shall be dump tank storage provided on the apparatus, the dump tank shall slide in the rear passenger side of apparatus in the outboard position. There shall be poly striping provided in the floor of

the slide to prevent metal to metal contact. The rack shall be built into the body with the outside skin painted to match the body. The rack shall be capable of holding one (1) 2100-gallon folding dump tank.

REAR TAILBOARD

Tailboard is designed to accommodate a 1000 lb. Load; Frame is covered with a fitted aluminum diamond plate covering for anti skid purposes. Tailboard dimensions are approximately 12" deep x 96" wide.

SCBA BOTTLE STORAGE (4)

There shall be four (4) 8" diameter air bottle holders provided, located two each side of the wheel well area of the rear axle on the driver and passenger side. The storage tube shall be constructed of high strength aluminum to provide protection for the bottles. The bottles shall be held in place by an aluminum hinged door. The door shall be painted to match the apparatus cab and body.

HOSE BED AND DIVIDER

The hose bed shall be located directly above the booster tank and shall be free from all sharp objects such as bolts, nuts, etc., to avoid damage to fire hose. The hose bed storage area, shall have a minimum capacity of sixty-five (65) cubic feet, and shall accommodate 1200 feet of 3-inch hose and 400 feet of 2.5-inch hose. The hose-bed depth shall be 10". The hose bed shall be located directly above the booster tank and shall be free from all sharp objects such as bolts, nuts, etc., to avoid damage to fire hose.

HOSE BED DIVIDERS

Two (2) full length hose bed dividers shall be fabricated of 3/16" smooth aluminum plate with an aluminum base welded to the bottom and be provided in the hose bed. The dividers shall be fully adjustable within the hose bed. The rear top ends of the divider shall have a three inch radiused corner and shall be de-burred to prevent damage to the hose.

HOSE BED FLOORING

Flooring to be constructed from extruded aluminum and be properly spaced for ventilation. The flooring shall be smooth and free from sharp edges to avoid hose damage. The hose bed floor shall be removable to provide access to inner body framework.

HOSEBED COVER

The hose bed shall have a 16 oz heavy-duty hypalon cover. This cover shall have Bungee Cord and Hook type attachment across the front and down each side. COLOR SHALL BE RED.

FIRE PUMP AND COMPONENTS- HALE MODULE 750 GPM PTO DRIVEN

1.The pump shall be of size and design to mount on the chassis rails of a commercial truck chassis and have the capacity of 750 gallons per minute.

2.The entire pump shall be assembled and tested at the pump manufacturer's factory.

3.The pump shall function by the utilization of a driveline from the truck transmission PTO. The engine shall provide sufficient horsepower and RPM to enable the pump to meet and exceed its rated performance.

4.The entire pump shall be hydrostatically tested to a pressure of 500 PSI. The pump shall be tested at the pump manufacturer's facility to performance specifications as outlined by NFPA-1901 rated performance requirements. The pump shall be free from objectionable pulsation and vibration.

5.The pump body and related parts shall be constructed of fine grain alloy cast iron, with a minimum tensile strength of 30,000 PSI (2,069 bar). All metal moving parts in contact with water shall be manufactured of high quality bronze or stainless steel. Any pump utilizing castings made of lower tensile strength cast iron not acceptable.

6.The pump body shall vertically split on a single plane for ease of removal of the impeller assembly. The entire pump shall remove easily without disturbing the piping or mounting of the plumbing and manifolding in chassis.

7.Ball bearings support the pump shaft for minimum deflection, and maximum rigidity. The ball bearings shall be heavy-duty, deep groove, bearings in the gearbox and splash lubricated.

8.The pump shaft shall have: one (1) mechanical seal on the suction (inboard) side of the pump. The mechanical seal shall be spring loaded, maintenance-free and self-adjusting. All mechanical seal construction shall contain a silicon carbide sealing ring, stainless steel coil spring, a Viton[®] rubber cup, and a tungsten carbide seat.

9. The pump impeller shall be manufactured of hard fine grain bronze of mixed flow design. Once manufactured, the impeller shall be accurately machined and balanced. The vanes of the impeller intake eyes shall be of sufficient size and design to provide ample reserve capacity utilizing minimum horsepower.

10. The pump impeller shall have clearance rings manufactured of bronze, easy to remove, without replacing impeller or pump volute body.

11. The pump shaft shall be manufactured of heat-treated, electric furnace, corrosion resistant stainless steel for longer shaft life. The pump shaft shall be sealed with a double-lip oil seal to keep road dirt and water out of gearbox.

GEARBOX

1.The pump gearbox shall be of sufficient size to withstand the full drive load imposed by the pump system. The drive unit shall be designed of ample capacity for lubrication reserve and to maintain the proper operating temperature.

2.The gearbox drive shaft shall be of heat-treated chrome nickel steel.

3.All drive and pump gears shall be of the highest quality electric furnace chrome nickel steel. All bores shall be ground to size, teeth integrated and hardened, to create an extremely accurate gear for long life, smooth, quiet running, and higher load carrying capability. An accurately cut Helical design shall be provided. (There will be No exceptions.)

4.The pump ratio shall be selected by the apparatus manufacturer to give maximum performance with the engine and transmission selected.

5.All apparatuses built with automatic transmissions shall be provided three (3) green warning lights to indicate to the operator(s) when the pump has completed the shift from road to pump position. The warning lights will be located as stated: two (2) in the truck driving compartment and one (1) on the pump operator's panel adjacent to the throttle control. For manual transmissions, one (1) green warning light will be provided for the driving compartment. All lights shall have appropriate identification/instruction plates.

PUMP SHIFT

A pump shift will be provided within easy reach of the driver for engagement of the PTO driven pump. The shift will include the indicator lights as mandated by NFPA. The pump shift control will be illuminated to meet NFPA requirements

PRIMING PUMP

The priming pump shall be a positive displacement, oil-less rotary vane electric motor driven pump conforming to NFPA-1901 rated performance requirements. The pump body shall be manufactured of heat-treated anodized aluminum for wear and corrosion resistance. The pump shall be capable of producing a minimum of 24 Hg vacuum at 2,000 feet (609.6m) above sea level. The electric motor shall be a 12 VDC totally enclosed unit. The priming pump shall not require lubrication. The priming pump shall operate by a single pull control valve mounted on the pump operator's panel. The control valve shall be manufactured of bronze construction.

INSTRUMENT PANEL

The Instrument Panel shall be polished material and contain the following:

- One (1) 4½" Intake Master Gauge
- One (1) 4½" Discharge Master Gauge
- One (1) Cass 1 – ITL-40 Tank Water Level Gauge
- One (1) Panel Light Switch
- One (1) TPG Throttle Control

The instrument panel, all controls, and gauges shall be in an aluminum pump house behind cab of truck in a Class A Style. All valves shall be controlled with push-pull style Class One Control rods.

PUMP PANEL TAGS

The pump panel tags for all discharges, gauges, and controls shall be color-coded. Engraved tags shall be used to label all controls, inlets, outlets, drains, etc. of the apparatus pump system.

U.L. TEST POINTS

There shall be two (2) U.L. Test plugs shall be pump panel mounted for testing of vacuum and pressures.

PUMP CERTIFICATION TEST PLATE

A permanently affixed plate shall be installed at the pump operators position that will provide the rated discharge and pressures together with the speed of the engine as determined by the certification test for each unit, the position of the parallel/series pump used and the no load governed speed of the engine as stated by the engine manufacturer on a certified brake horsepower curve.

PUMP MASTER GAUGES

One (1) 4.5" master intake and one (1) 4.5" master discharge gauge shall be pump panel mounted. These compound gauges shall be liquid filled.

STAINLESS STEEL PLUMBING SYSTEM

The plumbing system shall consist of hard stainless-steel piping, or flexible high-pressure hose with stainless steel ends, as deemed necessary for the application. Upon completion, the entire system shall be fully pressure tested. The tank to pump plumbing and valve arrangement shall be capable of delivering water to the pump at a minimum flow rate of 500 GPM while pumping at 150 psi pressure. Each gated intake shall be equipped with a 3/4 inch bleeder valve located in close proximity to the

intake. All intakes shall be provided with suitable closers (valves or caps) capable of withstanding 500 PSI.

When any 3" or larger intake or discharge is gated (except tank to pump valve), the valve shall have a mechanism to allow the valve to fully open or fully close no faster than 3 seconds. Any 2-1/2" or larger discharge outlet, mounted 42" or higher from ground, which hose is to be connected, and which is not in a hose storage area, shall be supplied with a swiveling sweep elbow of at least 30 degrees. All 2-1/2" and larger intakes and discharges shall be equipped with drains. All drain valves shall be operational without the operator having to get under the apparatus. All discharges and intakes shall terminate with NST threads, chrome caps and chains, unless detailed otherwise in these specifications.

BALL VALVES

Akron 8800 Series valves shall be provided. The valve shall be capable of dual directional flow while incorporating a self-locking ball feature using an automatic friction lock design and specially designed flow optimizing stainless steel ball. All stainless-steel parts must be 316 grade for increased resistance to corrosion. The valve shall not require lubrication of seats or any other internal waterway components, and must be capable of swinging out of the waterway for maintenance by the removal of six bolts. All 3.0" discharge valves shall be supplied with a true slow close mechanism. The valve shall be compatible with a slow closing device. This valve shall be operated using manual handles, a Rack & Sector, manual gear or electric actuator. The manual handles shall be quickly adjustable to one of eight handle positions and require only 90° travel.

PIPING AND MANIFOLDS

All the piping and pump body attached manifolding shall be stainless steel. The complete piping system shall be designed to direct mount all 1-1/2" or larger ball valves onto the pump body or stainless-steel manifolds attached directly to the pump body. 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: rear discharge, tank fill, all 2" and 2-1/2" (5.08 and 6.35cm) pre-connect valves. The tank to pump 3" (7.62 cm) valve shall have a hose barb connection.

TANK FILL

There shall be a 2" pump to tank fill stainless steel valve. Valve shall be controlled at the side or top pump panel with a chrome handle.

6" STEAMER INLETS

Two (2) 6" steamer inlets will be provided, one (1) on the left side and one (1) on the right side. Both inlets shall have chrome vented caps and a screen.

2-1/2" AUXILLARY SIDE SUCTION

A 2 1/2" valve shall be installed on the LEFT side of the pump panel with 2 1/2" piping. The control handle shall be a twist lock with the control located on pump panel.

AUXILIARY ENGINE COOLER

An engine cooler shall be installed in-line from the discharge side of the pump and will be installed in the engine cooling system. There shall be a 3/8" quarter turn valve installed thru the pump panel and shall be clearly labeled.

PUMP COOLER

The 3/8" line installed from the pump discharge to the water tank to cool the pump during long periods of pumping when water is not being discharged.

INTAKE RELIEF VALVE

An Akron relief valve shall be installed on the suction side of the pump preset at 125 psig. Relief valve shall have a working range of 75 psig to 200 psig. Control shall be located behind an access door at the right (passenger's) side pump panel.

TANK TO PUMP

The tank will be connected to the intake side of the pump with heavy-duty piping and a 3.00" Fire Service ¼ Turn valve with a push-pull control remotely located at the operator's position. The tank to pump line will run from the pump to the tank sump. A rubber coupling will be included in this line to prevent damage from vibration or chassis flexing. A check valve will be provided to prevent the possibility of "back filling" the water tank.

TANK REFILL

A 2.00" combination tank refill and pump bypass line will be provided using a quarter-turn full flow ball valve, controlled from the pump operator's panel.

DISCHARGES

There shall be three (3) 2 ½" discharges located on the apparatus with quarter turn ball valves with a 30-degree elbow turn downs.

Two (2) 2 1/2" Discharge on Driver Side pump operators panel.

One (1) 2 1/2" Discharge on Passenger Side pump panel.

175" DOUBLE CROSS LAYS

Two (2) 1.75 crosslays shall be located above pump compartment and ahead of apparatus body. Each crosslay shall have one 2" (5.08cm) valve. The crosslays shall be controlled at the pump panel with a chrome handle. There shall be a 2-½" (6.35cm) individual line gauge and ¾" quarter-turn drain valve provided for each crosslay valve. Two (2) crosslay beds shall be capable of carrying 200' of 1.75" double jacket hose.

CROSSLAY COVER

There shall be a diamond plate cover provided over the cross lays for a cover to meet NFPA requirements. The cover shall have a rear mounted stainless-steel hinge and rubber bumpers to prevent damage to body. There shall be a Red vinyl cover provided on each end of the aluminum top for side securement. The Red vinyl shall be secured with Velcro retainers.

REAR HOSE REEL

A 1 1/2" booster reel discharge shall be plumbed from the pump to the booster reel. The booster reel discharge shall be plumbed from the valve to the hose reel utilizing 1" high pressure hose. The end of the hose connected to the hose reel shall be equipped with a swivel end for ease in hose replacement. A 1 1/2" Akron, #8800 series, full flow, stainless steel ball valve shall be provided for the booster reel #1 discharge. The reel shall be mounted between the rear frame rails with four (4) way roller capture provided to prevent hose or paint damage. There shall be 150' of 1.0" red line hose and adjustable gallonage nozzle provided with nozzle clip on the apparatus.

INDIVIDUAL DRAINS

All 2" (5.08cm) or larger discharge outlets shall be equipped with a ¾" ball valve drain valve or larger.

MASTER DRAIN

A master drain will have the capacity to drain the pump. The drain to be located on the pump panel.

DISCHARGE GAUGES

Individual Class 1 2-½ (6.35 cm) line gauges for each 2" (5.08 cm) or larger discharge shall be provided and mounted adjacent to the discharge valve control handle. The gauges shall be white-faced, Interlube filled pressure gauges and handle pressures from 0 to 400 PSI. The pressure gauge 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 insulating 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.

PUMP TEST

A complete U.L. pump certification shall be included with truck at delivery.

PUMP PANEL LIGHTS

Pump panel lighting shall be provided for a side mount pump module in accordance with NFPA. The driver and passenger side pump control panel shall have two (2) lights with clear lenses mounted under an aluminum light shield that is directly mounted above the driver side pump panel.

POWER TAKE OFF (PTO)

A Chelsea hot shift Power Take Off shall be provided to drive the Hale MBP-750 pump. The PTO shall be controlled by an electric "Hot-Shift" lighted rocker switch on the cab dash.

PUMP HOUSE

The pump house shall be a Class A Style Pump House.

PUMP PANEL MATERIAL

The left side operator's panel, gauge panel, right side pump panel shall be fabricated from brushed stainless steel.

PANEL FASTENERS

Stainless steel machine screws and lock washers shall be used to hold these panels in position. The panels shall be easily removable to provide complete access to the pump for major service.

CAPS AND ADAPTERS SAFETY TETHER

All applicable discharge and suction caps, plugs and adapters shall be equipped with chrome plated ball chain or double looped coil chain and secured to the vehicle.

OFFICER SIDE PUMP PANEL LIGHTING

The officer's side pump panel and running board shall be illuminated by using a minimum of two (2) Whelen clear lens lights under a polished stainless-steel light shield. The shield shall be full width of control panel and shall be positioned to cover the lights and prevent glare.

TPG

The kit shall be equipped with a Class 1 TPG Engine Information Display for the pump operator's panel. The TPG shall provide engine RPM, system voltage display and alarm, engine oil pressure display and alarm, and engine temperature display and alarm. The TPG is available in English and Metric and utilizes SAE J-1587 data bus for its information and does not require any additional sensors to be mounted.

MASTER GAUGES

One (1) 4-1/2" diameter pressure gauge (labeled: "PRESSURE") and one (1) 4-1/2" diameter compound vacuum gauge (labeled: "INTAKE") shall be provided. The master gauges shall be Class One Sub-Z II, silicone filled. The gauge faces shall be white with black numerals.

PRESSURE & COMPOUND GAUGE RANGES

All applicable pressure gauges shall have a range of 0 -400 P.S.I., and the compound gauge shall have a range of 30" - 0 - 400 P.S.I.

ITL-40 TANK LEVEL GAUGE

The apparatus shall be equipped with a Class1 "ITL-40" Tank Level Gauge for indicating water or foam level. The Tank Level Gauge shall indicate the liquid level or volume on an easy to read LED display and show increments of 1/8 of a tank.

Each tank level gauge system shall include:

- 1) A pressure transducer that is mounted on the outside of the tank in an easily accessible area. Sealed foam tanks will require zero pressure vacuum vents.
- 2) A super bright LED display viewable from 180 degrees with a visual indication at nine accurate levels.
- 3) A set of weather resistant connectors to connect to the digital display, to the pressure transducer and to the apparatus power. Additional (slave) displays (if requested) are to be easily integrated and will receive data from the same source as the Master Display. No additional transducers shall be required.
- 4) The system shall include the ability to display "text messages"
- 5) The system shall include built-in diagnostic capabilities.

IN-CAB TANK LEVEL GAUGE

An additional slave display is to be integrated and will receive data from the same source as the master display and included in the console control. No additional transducers shall be required.

WHELEN PS TANK GAUGES

There shall be three (3) additional water level indicator, Whelen, Model: PSTANK, LED module, installed Side of the pump module and rear of the apparatus.

This light module shall include four (4) colored levels, and function similar to the water level indicator located at the operator's panel:

- First green module indicates a full water level.
- Second blue module indicates a water level above 3/4 full.
- Third amber module indicates a water level above 1/2 full.
- Last red module indicates a water level above 1/4 full and empty.
 - o Above 1/4 this light shall be steady burning.
 - o At empty this light shall be flashing.

This module shall be activated when the parking brake is set.

PUMP TEST

A complete U.L. pump certification shall be included with truck at delivery.

COLOR CODED PUMP PANEL LABELING AND NAMEPLATES

Safety, information, data, and instruction labels for apparatus shall be provided and installed at the operator's instrument panel. The labels shall include rated capacities, pressure ratings, and engine speeds as determined by the certification tests. The no-load governed speed of the engine, as stated

by the engine manufacturer, shall also be included. Discharge and intake valve controls shall be color coded in compliance to guidelines of applicable sections of NFPA standards.

The following discharges shall have these special colors per the FD:

Red: Cross Lay #1 Blue: Cross Lay # 2 Yellow: Front Bumper Discharge.

PUMP ANODES

There shall be sacrificial, zinc anodes in the pump steamer ports which shall protect the pump and piping from electrolysis. These anodes shall also act as screens.

PUMP HEATER AND HEAT PAN

There shall be two (2) 20,000 BTU/HR or greater pump house heaters is installed in the pumphouse, controlled by a switch on the pump panel. There shall be a 1/8" aluminum heat pan installed below the pump compartment for cold weather operations. The heat pan shall be designed to be removable in case of need to service pump.

12 VOLT ELECTRICAL SYSTEM

The 12-volt apparatus body electrical system shall be provided and shall be in compliance with NFPA 1901 testing and certification procedures. All body electrical equipment installed by the apparatus manufacturer shall conform to current automotive electrical system standard, the latest Federal DOT standards and the requirements of the applicable NFPA Apparatus Standard. The electrical system shall include all panels, electrical components, switches and relays, wiring harnesses and other electrical components. The electrical equipment installed by the apparatus manufacturer shall conform to current automotive electrical system standards, the latest Federal DOT standards, and the requirements of the applicable NFPA standards. All wiring shall be stranded copper or copper alloy conductors of a gauge rated to carry 125 percent of the maximum current for the protected circuit. Voltage drops in all wiring from the power source to the using device shall not exceed 10 percent. The wiring and wiring harness and insulation shall be in conformance to applicable SAE and NFPA standards. The wiring harness shall conform to SAE J-1128 with GXL temperature properties. All exposed wiring shall be protected in a loom with a minimum 289-degree Fahrenheit rating. All wiring looms shall be properly supported and attached to body members. The electrical conductors shall be constructed in accordance with applicable SAE standards, except when good engineering practice requires special construction. The wiring connections and terminations shall use a method that provides a positive mechanical and electrical connection and shall be installed in accordance with the device manufacturer's instructions. Electrical connections shall be with mechanical type fasteners and large rubber grommets where wiring passes through metal panels. There shall be no exposed electrical cabling, harnesses, or terminal connections located in compartments, unless they are enclosed in a junction box or covered with a removable electrical panel. The wiring shall be secured in place and protected against heat, liquid contaminants and damage. Wiring shall be uniquely identified every three-inches (3") by color coding and electrical wiring schematic per requirements of applicable NFPA #1901 standards. The electrical circuits shall be provided with low voltage over current protective devices. Such devices shall be accessible and located in required terminal connection locations or weather resistant enclosures. The over current protection shall be suitable for electrical equipment and shall be automatic reset type and meet SAE standards. All electrical equipment, switches, relays, terminals, and connectors shall have a direct current rating of 125 percent of maximum current for which the circuit is protected. The system shall have electro-magnetic interference suppression provided as required in applicable SAE standards.

12 VOLT ELECTRICAL SYSTEM TESTING

The apparatus low voltage electrical system shall be tested and certified by the apparatus manufacture. The certification shall be provided with the apparatus. All tests shall be performed with air temperature between 0°F and 100°F.

DOT MARKER LIGHTS AND REFLECTORS

Cab marker lights and signaling devices shall be as provided on the commercial chassis cab from the original chassis manufacturer. FMVSS reflectors shall be also be provided as required.

LICENSE PLATE LIGHT & BRACKET

One (1) license plate light and bracket shall be provided above the mounting position of the license plate. The light shall be clear in color.

LED STOP, TAIL, TURN AND BACK-UP LIGHTS

Two (2) LED red combination tail and stop lights shall be mounted one each side at the rear of the body.

Two (2) LED amber arrow turn signal lights, shall be mounted one each side, on a vertical plane with the tail/stop lights.

Two (2) white halogen back-up lights, shall be mounted one each side on a vertical plane with the turn/tail/stop signals. These lights shall activate when the transmission is placed in reverse gear.

Two (2) cast aluminum mounting flanges, installed one (1) on each side, shall be provided to mount the lights described above in one common mounting flange. The fourth opening shall be for the lower rear warning lights.

STEP LIGHTS

Chrome plated, shielded chassis and body step lights shall be provided and controlled with marker light actuation. Step lights shall be located to properly illuminate all body and chassis access steps and walkway areas.

CAB PERIMETER SCENE LIGHTS

There shall be four (4) Techniq E-100 white LED lights with grommets provided, one (1) for each cab door and one each side under the front bumper area. The lights shall be activated by the park brake signal of the chassis.

PUMP HOUSE PERIMETER LIGHTS

There shall be two (2) Techniq E-100, white LED lights with grommets provided under the pump walkway steps, one (1) each side. The lights shall be activated by the park brake signal of the chassis.

BODY PERIMETER SCENE LIGHTS

There shall be two (2) Techniq E-100, white LED lights with grommets provided under at the rear step area of the body, one (1) each side shining to the rear. The lights shall be activated by the park brake signal of the chassis.

NFPA LIGHTING PACKAGE

The following warning light package shall include all of the minimum warning light and actuation requirements for the current revision of the NFPA 1901 Fire Apparatus Standard.

CENTER CONSOLE

There shall be a custom-made aluminum center console mounted between cab seats with all emergency switches and controls. Center console shall be constructed of aluminum with hinged lid. The center

console of the cab will serve as the central junction box for all electrical circuits, housing all terminal connection strips, circuit breaker, relays and related switch control components. This serves as a more weather resistant location and provides ease of access. All electrical equipment shall be installed to conform to the latest federal standards as outlined in NFPA 1901. Console shall be as large as possible and fabricated of 1/8" smooth aluminum and extend from below shift pad to rear wall of chassis. A Black Zolotone paint finish shall be provided for durability and finished appearance. The forward portion of console shall be slanted for easy viewing of the siren and radio equipment. The area shall be within easy access to both Driver and Officer.

NFPA LIGHTING PACKAGE-LED

The fully compliant NFPA lighting package meets the entire zone requirement of the latest 1901 standards. Complete light package shall be hard wired and color coded for ease of maintenance and care, multi-plex systems will not be accepted as options.

CAB ROOF LIGHTBAR

One (1) 56.00" Whelen, Justice LED lightbar shall be mounted on the cab roof. This lightbar shall include the following:

- Four (4) red flashing CON3 LED modules facing forward.
- Two (2) white flashing CON3 LED modules facing forward.
- Two (2) red flashing LIN6 LED modules one (1) in each front corner.
- Two (2) red flashing LIN6 LED modules, one (1) in each rear corner.

All lenses shall be clear. There shall be a switch located in the cab on the switch panel to control the light bar. To meet NFPA requirements, all white warning lights shall be when the parking brake is applied.

L31 SERIES L.E.D. BEACON – L31H5FN

The apparatus will have two flat permanent mount 360° Red linear L.E.D. Beacons, with a Clear outer dome. The beacon is designed with a rugged and low profile, features built-in flashers with two NFPA compliant selectable flash patterns, Hi/Low intensity, built-in cruise lights and synchronization feature. The beacon can be configured to alternately or simultaneously flash multiple patterns with up to eight additional Whelen Super-LED 360° beacons. NFPA Compliant.

FRONT WARNING LIGHTS

A pair of surface mounted Whelen 900 Series Super LED flashing lights will be provided on the grille. The color of these lights will be red with Clear Lens. These lights will be installed with a plastic, chrome-plated flange.

SIDE ZONE LOWER LIGHTING

Four (4) Whelen 600 Series LED lights will be located at the following positions:

Two (2) lights, one (1) each side on the front bumper extension on the side facing diamond plate. The color of these lights will be Red LED/clear lens. These lights will be provided with a chrome plated ABS plastic flange

Two (2) lights, one each side in the rear wheel well area. The color of these lights will be Red LED/clear lens. These lights will be provided with a chrome plated ABS plastic flange

REAR ZONE LOWER LIGHTING

Two (2) Whelen 600 Series LED warning lights will be located at the rear of the apparatus, required to meet or exceed the lower level optical warning and optical power requirements of NFPA. The color of these lights will be Red LED/clear lens. These lights will be provided with a chrome plated ABS plastic flange.

SCENE LIGHTS

There will be one (3) pairs of Whelen®, Model 600 rectangular halogen scene lights installed. Two (2) installed on each side and two (2) installed rear of the truck. The lights shall be mounted on spacer bezels as required. These lights will be mounted on a 13-degree angle. They will be wired to be controlled for each side will be individually operated by a switch in the cab. Two mounted on each side of apparatus front and rear of tank. There shall be two mounted in rear corners of tank. Lights shall have switches and labels mounted in cab for easy usage.

DOT MARKER LIGHT PACKAGE

L.E.D. DOT clearance lights and reflectors shall be installed in conformance to the latest Federal DOT standards.

EXTERIOR LIGHTING

Exterior lighting shall meet or exceed Federal Department of Transportation., Federal Motor Vehicle Safety Standards and National Fire Protection Association requirements in effect at time of proposal.

SIREN

There shall be one (1) Whelen 295 SDA full feature siren provided in the cab center console. There shall be a microphone hardwired to the unit for the PA function. The siren head shall have all emergency controls embedded in siren face including three position activation switch and eight individual switches. The siren shall have the following available tones: Tone off, Wail, Phased wail, Wail 2, Yelp, Phased Yelp, Yelp 2, Yelp 249, Piercer, Hi-lo, Mechanical, Phased Mechanical, Mechanical 2, Warble, Phased Warble, Woop, Phased Woop, Wail Yelp combo, Wail Yelp Combo 2. The siren head shall have all emergency switches embedded in siren face.

ONE (1) SIREN SPEAKER

There shall be one (1) 100-watt speaker mounted behind the front bumper of the cab and wired to the siren.

REAR VISION CAMERA

There shall be One (1) Cab CAM Wired Video System which shall Include a 7" Monitor and 1 Camera. The Waterproof Cameras shall be: CCD Color with Audio, 28 Infrared Illuminators Allow up to 32 feet of Visibility in the Dark, Image Mirroring Function, Made to Withstand Off-Road Conditions. In cab 7" Color TFT LCD Monitor: Embedded Control Box for Direct Power Input for Cameras, AV2 Video Input for DVD/VCR, AV1 and AV3 Video Input to Hook up to 3 Cameras. The camera shall be located in the rear center of the apparatus.

BACK-UP ALARM

A solid-state back-up alarm shall be provided and installed at the rear of the apparatus under the tailboard. The back-up alarm shall activate automatically when the transmission is placed in reverse gear and the ignition is "on".

RADIO ANTENNA MOUNT

There will be one (1) standard 1.125", 18 thread antenna-mounting base(s) installed on the cab roof with high efficiency, low loss, coaxial cable(s) routed to the console. A weatherproof cap will be

installed on the mount. An eight (8) inch minimum, metallic ground plane will be installed inside the roof beneath each antenna mount.

SCOTCH-LITE STRIPE

A six (6) inch high "Scotch-Lite" stripe shall be provided with a 1" gap and then 1" stripe provided. The stripe shall be applied on a minimum of 60 percent of each side of the unit, 60 percent on the rear of the unit and 40 percent on the front of the unit. The Scotch Lite stripe layout shall be determined by the Fire Department. The Scotch-Lite shall be White in color.

FRONT CAB LETTERING

24K Engine Turned Gold Leaf with drop shadow lettering shall be provided on the cab drivers and officer's doors per the fire department requirements. The design of the lettering on the cab doors shall be designed to fit in the area available. Lettering provided on the driver's and officer's cab doors shall be 3" high.

There shall also be a 24K Engine Turned gold leaf Pin Stripe Provided on the Cab at the Paint Break Line.

REAR BODY CHEVRONS

Chevron striping shall be applied to the entire rear wall. The chevrons shall consist of 6" wide reflective striping at 45-degree angles from the tailboard in an inverted "V" pattern coming down from the center. The stripes shall alternate red reflective, yellow reflective, red reflective, etc....

MISCELLANEOUS HARDWARE

One bag of miscellaneous hardware shall be supplied with the finished apparatus. This hardware shall consist of nuts, bolts, screws, washers, etc. used in the manufacture of the apparatus.

TWO-TONE CAB

The cab shall be painted two-tone by the apparatus manufacturer. The top portion of the cab from the bottom of the windshield up shall be painted Bright White and the Lower Section FD Code Red.

BODY PAINT

The apparatus body shall be painted entirely FD Code Red.

TOUCH-UP PAINT

A container of touch-up paint will be provided to match the cab color.

SPANNER WRENCH SETS

There shall be three (3) triple set hydrant wrenches provided and installed on the apparatus, one each side and one rear.

DUMP TANK

There shall be one (1) 2100 Gallon Dump Tank provided on the completed apparatus, aluminum frame with red vinyl.

WARRANTY {ONE YEAR}

A one (1) year new vehicle warranty will be provided, upon delivery and acceptance of the vehicle. The warranty will ensure that the vehicle has been manufactured to the contract specifications and will be free from defects in material and workmanship that may appear under normal use and service within the warranty period. The warranty may be subject to different time and mileage limitations for specific components and parts. This warranty is issued to the original purchaser of the vehicle.

The warranty will not apply to any parts or components that are warranted directly by their manufacturers. The warranty will not apply to routine maintenance requirements as described in the service and operator's manual. No warranty whether expressed, implied, statutory or otherwise including, but not limited to any warranty of merchantability or fitness for purpose will be imposed.

The manufacturer or representative will be notified in writing within the warranty period of any failure of the vehicle to comply with the specified warranty. If requested, the purchaser will promptly return the apparatus, component or part to the manufacturer for inspection of any defect in material or workmanship occurring within the applicable time limits.

The manufacturer will either repair or replace any defective components or parts. Repair or replacement of the defective item will be at the sole discretion of the manufacturer. The Basic Vehicle Warranty covers all components and parts unless specifically covered by other descriptions or otherwise excluded herein. Repair or replacement of components will be done without cost to the purchaser when performed within the warranty period. Warranty repairs will not constitute an extension of the original warranty period, either for the entire apparatus or any specific components or parts.

The warranty will be inclusive and in lieu of all other warranties whether written, oral or implied, including but not limited to any warranty of merchantability or fitness for purpose. The warranty will be void and the manufacturer will not be obligated to repair or replace any component or part where the necessity of such replacement or repair, in the opinion of the manufacturer, is due in whole or in part to loads in excess of factory rated capacities, modification or alteration, accident or other misuse or abuse of the vehicle. In no event will the manufacturer be liable for special or consequential damages including but not limited to injuries to persons or damage to property or loss of vehicle use.

The apparatus will be maintained and serviced, by the purchaser, according to the prescribed schedules outlined in the operators and service manuals. As a condition of the warranty the manufacturer may require that receipts or other evidence be provided to verify that maintenance and service has been performed.

COMPONENT WARRANTY INTERVALS COMMERCIAL CHASSIS

The commercial chassis and all of the chassis related components will only be covered by the Chassis Manufacturer's warranty as provided to the vehicle manufacturer. A copy of the chassis manufacturer's warranty will be supplied to define additional details of the warranty provisions.

ITEMS EXCLUDED FROM WARRANTY

To better understand the warranty, the following is a description of some conditions that are not covered by this warranty.

LOOSE FASTENERS:

Nuts, bolts and screws may loosen due to road shocks, engine vibration, etc. Maintaining necessary tightness is your responsibility.

Glass and lens breakage and scratches.

Chrome, aluminum, or stainless components with bright finishes - general rust and/or staining, bluing or yellowing, rust pits and/or nicks caused by road debris, streaks, stains and corrosion caused by severe wash solutions or road salts.

OTHER: Some further examples that we are not responsible for are as follows: Traveling expense; Road calls; Unauthorized towing charges; Accident repairs, loss of apparatus use; Communications charges;

Cost of rental equipment; Repair or replacement of items not furnished or installed by us. Road tests or Dynamometer testing.

Tires are covered by their respective manufacturer's warranty.

MODIFICATIONS TO ORIGINAL EQUIPMENT

If dealers or customers cause any vehicle modifications or equipment installations to be performed and these modifications or installations adversely affect other vehicle components or vehicle performance, we will not accept any product liability or claims under the terms of this warranty. These claims and any required repairs would be the responsibility of the person doing the modification or installation.

CHANGES IN COMPONENT SPECIFICATIONS

Specifications for components (make or model) installed on the apparatus, manufactured by companies other than the apparatus manufacturer are subject to change without notice. Specifications for such components will be as available at the time of manufacture of the apparatus. The apparatus manufacturer will not be held liable for any specification deviations from original contract specifications on such components made by the original component manufacturer.

CORROSION WARRANTY

The proposed body will be warranted against rust-through or perforation, due to corrosion from within, for a period of ten (10) years. Perforation is defined as a condition in which an actual hole occurs in a sheet metal panel due to rust or corrosion from within. Surface rust or corrosion caused by chips or scratches in the paint are not covered by this warranty.

BODY WARRANTY

The manufacturer warrants to the original purchaser only, that the all aluminum body, under normal use and with reasonable maintenance, be structurally sound and will remain free from corrosion perforation for the Lifetime of Use at Purchasing Department.

This warranty does not apply to the following items that are covered by a separate warranty: paint finish, hardware, moldings, and other accessories attached to this body. In addition, this warranty does not apply to any part or accessory manufactured by others and attached to this body.

THE MANUFACTURER MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, WITH RESPECT TO THE ALUMINUM BODY AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND HEREBY DISCLAIMED.

The manufacturer will replace without charge, repair or make a fair allowance for any defect in material or workmanship demonstrated to its satisfaction to have existed at the time of delivery or not due to misuse, negligence, or accident. If the manufacturer elects to repair this body, the extent of such repair shall be determined solely by the manufacturer, and shall be performed solely at the manufacturer's factory, or at an approved facility. The expense of any transportation to or from such repair facility shall be borne by the purchaser and is not an item covered under this warranty.

The manufacturer will not be liable for damages and under no circumstances will its liability exceed the price for a defective body. The remedies set forth herein are exclusive and in substitution for all other remedies to which the purchaser would otherwise be entitled.

The manufacturer will be given a reasonable opportunity to investigate all claims. The purchaser must commence any action arising out of, based upon or relating to agreement or the breach hereof, within twelve months from the date the cause of the action occurred.

PAINT FINISH WARRANTY

The proposed paint finish will be warranted for a period of ten (10) years from the date of acceptance of the unit. Details of warranty coverage, limitations and exclusions are included in the specific warranty document.

WATER TANK (LIFETIME)

The proposed water tank will be warranted by the water tank manufacturer for the lifetime after in service date. A copy of the manufacturer's warranty will be supplied to define additional details of the warranty provisions.

STAINLESS STEEL PLUMBING

The pump shall have a ten (10) year plumbing warranty from Manufacturer.

HALE FIRE PUMP (FIVE/YEAR)

Hale hereby warrants to the original buyer that products manufactured by Hale are free of defects in material and workmanship for a period of five (5) years from the date the product is first placed into service, parts and labor.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

1/20/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER BXS Insurance P.O. Box 1976 Hattiesburg MS 39403	CONTACT NAME: Laurie McCrea		FAX (A/C, No): 601-550-6160	
	PHONE (A/C, No, Ext): 601-554-7327		E-MAIL ADDRESS: laurie.mccrea@bxsi.com	
INSURED Deep South Fire Trucks, Inc. 2342 Hwy 49 N P.O. Box 293 Seminary MS 39479	INSURER(S) AFFORDING COVERAGE		NAIC #	
	INSURER A: Travelers Indemnity Company of CT		25682	
	INSURER B: Travelers Indemnity Company of CT		25682	
	INSURER C:			
	INSURER D:			
	INSURER E:			

COVERAGES

CERTIFICATE NUMBER: 2140960201

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC <input type="checkbox"/> OTHER:			6600P644386	1/4/2021	1/4/2022	EACH OCCURRENCE	\$ 1,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 300,000
							MED EXP (Any one person)	\$ 10,000
							PERSONAL & ADV INJURY	\$ 1,000,000
							GENERAL AGGREGATE	\$ 2,000,000
							PRODUCTS - COMP/OP AGG	\$ 2,000,000
								\$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY			8100P649112	1/4/2021	1/4/2022	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,000
							BODILY INJURY (Per person)	\$
							BODILY INJURY (Per accident)	\$
							PROPERTY DAMAGE (Per accident)	\$
								\$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 10,000			CUP4P950485	1/4/2021	1/4/2022	EACH OCCURRENCE	\$ 1,000,000
							AGGREGATE	\$
								\$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		Y/N Y	UB0P650971	1/4/2021	1/4/2022	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER	
							E.L. EACH ACCIDENT	\$ 500,000
							E.L. DISEASE - EA EMPLOYEE	\$ 500,000
							E.L. DISEASE - POLICY LIMIT	\$ 500,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

*Workers' Compensation Covered States: MS; TX

*Workers' Compensation Excluded Officers: Charles Barber; Richard Ellis; Christopher Michael Taormina

CERTIFICATE HOLDER**CANCELLATION**

FOR INFORMATION PURPOSES

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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Specifications, Bid and Contract Documents
For
Seward Volunteer Fire Department

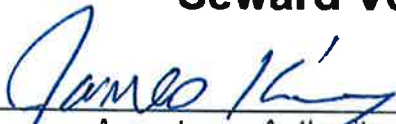



Unit 42 2021 Gallon DrySide Poly Tanker Apparatus

Opening Date: June 1, 2021 2:00PM

Submitted by:

Seward Volunteer Fire Department


Acceptance Authority
Fire Chief, James Kimsey


Owner
Mayor, Joshua Eickmeier

Committee Members

James Kimsey – Chief
Daniel Brumm – Asst. Chief
Landon Dirks – Training Officer
Kent Auman – Safety Officer

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Invitation to Bid

Sealed proposals will be received by the City Clerk/Human Resources Director of the City of Seward, at the City Hall in Seward, Nebraska until **June 1st at 2:00 PM** for furnishing, fabricating, assembling and placing into proper operation the following equipment.


A 2021 or newer 2000 Gallon Dry Side Poly Tanker Apparatus

At this time, all bids shall be opened and publicly read aloud. Bids received after the above-specified time for opening will be returned unopened to the sender. Bid forms and copies of the plans and specifications are on file and open to public inspection at the office of the City Clerk/Treasurer in the City of Seward Nebraska.

A set of bid documents may be obtained from the City of Seward City Clerk's office at City Hall Seward Nebraska 68434. Each bid shall be accompanied by either a Certified Check or Bid Bond payable to the City of Seward, Nebraska, the amount of which shall not be less than ten percent (10%) of the bid price, as a guarantee that the bidder, if successful will execute a contract and file the required performance bond within thirty (30) days after acceptance. Checks accompanying unsuccessful bids will be returned to the bidders within thirty (30) days after acceptance.

The successful bidder will be required to furnish a satisfactory performance bond in the sum of the full amount of the contract within thirty (30) days after the notice of award. The bond shall be executed by the contractor on the required forms and by corporate surety, acceptable to the owner.

Bids shall be evaluated by the owner based on economic, quality, experience of the manufacturer, availability of service for repair and the addition of any conditions, qualifications or exceptions the bid documents contain. The owner reserves the right to reject any and all bids and to waive any technicalities in bidding.


The City of Seward Nebraska
Mayor, Joshua Eickmeier


Attest: Julie Moody
Deputy City Clerk



Instructions to Bidders

A. The owner for this project is the City of Seward Nebraska

B. Proposal Form - Each bid must be submitted on the Proposal Form supplied by the owner.

C. Bid Security - Each proposal must be accompanied by a bid security of the type and in an amount equal to the sum set out in the INVITATION TO BIDDERS. The bid security of the two lowest bidders will be retained until a contract is entered into by the successful low bidder and the required Bonds and Insurance certificates are filed. All other bid securities will be returned only after the tabulation of the bids is completed.

D. Submitting Proposals - Each proposal must be submitted in ink or type written, in a sealed envelope with the following information on the outside

a. The Bidders Name

b. The Bidders Address

c. The words "Seward Volunteer Fire Department Unit 42 2000 Gallon Dry Side Poly Tanker Proposal"

The bid security must be submitted in a separate sealed envelope with the following information on the outside:

a. The Bidders Name

b. The Bidders Address

c. The words "Seward Volunteer Fire Department Unit 42 2000 Gallon Dry Side Poly Tanker Bid Security"

If the proposal is mailed, the two separate envelopes shall be placed in one mailing envelope sealed and addressed to the City of Seward, P.O. Box 38, Seward Nebraska 68434. The mailing envelope must have the following information on the outside:

a. The Bidders Name

b. The Bidders Address

c. The words "Seward Volunteer Fire Department Unit 42 2000 Gallon Dry Side Poly Tanker Proposal and Bid Security"

E. Withdrawal Period - No bidder may withdraw a proposal within thirty (30) days after the date of bid opening.

F. Informalities - The owner may waive any informalities or reject any and all bids.

G. Qualifications of Bidders -

a. The owner will not award the contract to any bidder who cannot furnish satisfactory evidence that he has adequate equipment and personnel to complete the work properly within the time stated in the proposal, and that he has suitable financial status to properly meet all obligations incidental to performing the work.

b. If required, a Bidder shall submit to the City of Seward a properly executed "Contractors Qualification Statement".

c. The Bidder shall submit with their proposal a list of similar units and their locations.

H. Liquidated Damages for Failure to Enter into Contract - The successful Bidder, upon his failure or refusal to execute and deliver the Contract, Bonds and Insurance Certificate required within thirty (30) days after he has received notice of acceptance of his bid, shall forfeit to the Owner, as liquidated damages for such failure or refusal, the security deposited with his bid.

I. Contract Security - Simultaneously with his delivery of the executed Contract, the Contractor shall furnish a Performance Bond on the amount at least equal to one hundred percent (100%) of the contract price as security for faithful performance of this contract (including one year guarantee and maintenance provisions) and for the payment of all persons performing labor on the project under this contract. The surety on such Bonds shall be duly authorized corporate surety company satisfactory to the Owner and shall be a duly authorized surety company licensed to do business in the State of Nebraska. Bond forms shall be as bound herein, or acceptable alternate.

J. Power of Attorney - Attorneys-in-fact who sign Bid Bonds, Performance, Labor and Material Payment Bonds must file with each bond a certified and effectively-dated copy of their power of attorney.

K. Laws and Regulations -The Bidders attention is directed to the fact that all applicable state laws, deferral regulations, municipal ordinances, and rules and regulations of all authorities having jurisdiction over construction of the project shall apply to the contract throughout, and they will be deemed to be included in the contract the same as through therein written out in full.

L. Obligation of Bidders - At the time of the opening of bids, each Bidder will be presumed to have read and to be thoroughly familiar with the drawings, Technical Specifications, and other Contract Documents. The document shall in no way relieve any Bidder from any obligation in respect of his bid.

M. Telegraphic Modification - Bids received prior to the time of opening will be SECURELY kept, unopened. The officer whose duty it is to open them will decide when the specified time has arrived, and no bid received thereafter will be considered. Modification by telegraph of bids already submitted will be considered if received prior to the time set for opening and written confirmation of such modification over the signature of the Bidder is placed in the mail and postmarked prior to the time set for bid opening; however, if written confirmation is not received within two (2) days from the closing time, no consideration will be given to the telegraphic modification. Bidders are cautioned that, while telegraphic modifications of bids may be received as provided above, such modifications, if not explicit and if in any sense subject to misinterpretation, shall make the bid so modified or amended subject to rejection by the Owner. The telegraphic communication should not reveal the bid price, but should provide the addition or subtraction or other modification so that the final prices or terms will not be known by the Owner, until the sealed bid is opened.

N. Method of Award - The lowest bid submitted by a responsible Bidder will be awarded the contract providing such bid is considered reasonable and in the best interest of the Owner.

Time to complete the project will ALSO be a factor.

O. Alternate Bid - Bids will also be accepted and evaluated based on furnishing a demonstrator or used apparatus as outlined in the proposal section of the bid documents.

P. Equipment Repair - Each bid shall contain the location of the nearest approved repair station and detail of any repair agreements for the repair of major equipment components.

Proposal

Date: 5-25-2021

To: **City of Seward
P.O. Box 38
Seward, Nebraska 68434**

Subject: "Seward Volunteer Fire Department 2021 or Newer 2000 Gallon Dry Side Poly Tanker"

The undersigned, HAVING familiarize himself with the attached contract documents which are as follows: Invitation to Bid, Instructions to Bidders, Technical Specifications, Special Conditions, Contract, Performance Bond and Waiver, Release of Lien, All of which contract documents are made a part thereof, and being familiar with all conditions surrounding the material to be furnished, the work to be performed and all local conditions including labor affecting the cost thereof, and having become familiarized with the applicable federal, state and local laws, ordinances, rules and regulations affecting the performance of the work, hereby propose to furnish all labor, materials and supplies and complete the work in accordance with the contract documents, including Addenda ___ thru ___, issued thereto, for the:

Option A DESCRIPTION

Total Firm Bid for a **2021 or Newer Unit 42 2000 Gallon Dry Side Poly Tanker and loose equipment.**

Two hundred Seventy Three Thousand Four hundred Sixty Five dollars & 00/100
(price in words)

Dollars (\$) 273,465)

The contractor will begin work within 15 days after receipt of award
and complete within 260 days after start.

Option B DESCRIPTION

Total Firm Bid for a **2021 or Newer Unit 42 2000 Gallon Dry Side Poly Tanker Demonstrator and loose equipment.**

(price in words)

Dollars (\$) _____)

Exceptions to Specifications

The undersigned hereby declares that the following list states any and all variations from and exceptions to the requirements of the contract documents and that, otherwise, it is the intent of the proposal that the work will be performed in accordance with the contract documents. Exceptions must be stated below to be considered valid.

Attach extra sheets if needed.

NO EXCEPTIONS

Signature: *[Signature]* Danny ARENA
Bidder: DEEP South Fire Trucks Inc.
By: *[Signature]* Title: NE. Sales
Address: PO. Box 293
Seminary, MS. 39479

Technical Specifications

All apparatus construction shall meet or exceed current NFPA standards. Exceptions to the following will be accepted with explanations for each.

GENERAL INFORMATION

Does Your Bid Comply?

YES NO

The proposed apparatus will be constructed to withstand the severe and continuous use encountered during emergency fire fighting services. The apparatus shall be of the latest type, carefully designed and constructed with due consideration to the nature and distribution of the load to be sustained. These specifications detail the proposal for general design criteria of cab and chassis components, fire pump and related components, water tank, fire body, electrical components, painting, and equipment. All items of these proposal specifications will conform to the National Fire Protection Association Pamphlet No. 1901, latest edition. The manufacturer will furnish satisfactory evidence of our ability to construct, supply service parts and technical assistance for the apparatus specified. The proposed chassis will be certified as conforming to all applicable federal motor vehicle safety standards (FMVSS) in effect at the date of contract. This will be attested to by the attachment of a FMVSS certification label on the vehicle by the manufacturer, who will be recognized as the responsible final manufacturer.

GENERAL CONSTRUCTION

Does Your Bid Comply?

YES NO

The proposed apparatus, assemblies, subassemblies, component parts, etc., will be designed and constructed with the due consideration to the nature and distribution of the load to be sustained and to the general character of the service to which the apparatus is to be subject when placed in service. All parts of the apparatus will be designed with a factor of safety, which is equal to or greater than that which is considered standard and acceptable for this class of equipment in fire fighting service. All parts of the proposed apparatus will be strong enough to withstand general service under full load. The apparatus will be so designed that the various parts are readily accessible for lubrication, inspection, adjustment and repair. The apparatus will be designed and constructed, and the equipment so mounted, with due consideration to distribution of the load between front and rear axles that all specified equipment, including a full water tank, loose equipment, and firefighters will be carried without overloading or injuring the apparatus.

STEPPING, STANDING & WALKING SURFACES

Does Your Bid Comply?

YES NO

All stepping, standing, and walking surfaces on the body will meet NFPA #1901 anti-slip standards. Aluminum tread plate utilized for stepping, standing, and walking surfaces will be Alcoa No-Slip type. This material will be certified to meet the NFPA #1901 standard. Upon request by the purchaser, the manufacturer will supply proof of compliance with this requirement. All vertical surfaces on the body, which incorporate aluminum tread plate material, will utilize the same material pattern to provide a consistent overall appearance.

NFPA 1901-2016 STABILITY REQUIREMENTS

Does Your Bid Comply?

YES NO

Apparatus shall meet NFPA 1901-2016 chapter 4.13 requirements for stability and roll over and shall be certified with center of gravity request as outlined by NFPA. A center of gravity calculation report will be provided for the specific individual vehicle. The apparatus shall meet the NFPA requirements for center of gravity testing.

INSPECTION TRIPS

Does Your Bid Comply?

YES NO

The bidder shall provide one (1) factory pre-build conference trip for 2 customer representatives. And one (1) factory pre-delivery conference trip for 3 customer representatives. The inspection trips shall be scheduled at times mutually agreed upon between the manufacturer's representative and the customer. All costs such as travel, lodging and meals shall be the responsibility of the bidder.

CENTER OF GRAVITY TEST

Does Your Bid Comply?

YES NO

The height of the fully loaded vehicle's center of gravity shall not exceed the chassis manufacturer's maximum limit. The apparatus, prior to acceptance, will be required to meet the vehicle stability of the applicable NFPA Automotive Fire Apparatus standard. A calculated center of gravity shall be provided. The calculated or measured center of gravity shall be no higher than 80% of the rear axle track width.

The front to rear weight distribution of the fully loaded vehicle shall be within the limits set by the chassis manufacturer. The front axle loads shall not be less than the minimum axle loads specified by the chassis manufacturer, under full loads and all other loading conditions.

NFPA COMPLIANCE

Does Your Bid Comply?

YES NO

The apparatus shall comply with the 2016 edition of the NFPA #1901 standards and section contained therein, Chapter 7

Water Tender Fire Apparatus.

PERSONNEL PAYLOAD CAPACITY

Does Your Bid Comply?

YES NO

A label shall be installed in the cab to denote that two (2) personnel may be carried.

REAR AXLE TOP SPEED

Does Your Bid Comply?

YES NO

The rear axle/s shall be geared for a vehicle top speed in accordance with NFPA sections 4.15.2 and 4.15.3. Units with GVWR over 26,000 pounds shall be limited to 68 mph. If the combined tank capacity is over 1250 gallons of foam and water or the GVWR is over 50,000 pounds, the vehicle top speed shall be limited to 60 mph or the fire service rating of the tires, whichever is lower.

TOP SPEED

Does Your Bid Comply?

YES NO

The road speed shall be set to 65 MPH per fire department, a waiver will be required for this top speed due to the above NFPA clause.

ANGLE OF APPROACH

Does Your Bid Comply?

YES NO

The angle of approach for the apparatus shall not be less than eight (8) degrees as specified by the current edition of NFPA 1901.

ANGLE OF DEPARTURE

Does Your Bid Comply?

YES NO

The angle of departure for the apparatus shall not be less than eight (8) degrees as specified by the current edition of NFPA 1901.

INSTRUCTION MANUALS/DRAWINGS, SCHEMATIC

Does Your Bid Comply?

YES NO

The manufacturer will supply at time of delivery, one (1) copy of a complete operation and service manual covering the complete apparatus as delivered and accepted.

The manual will contain the following:

Descriptions, specifications, and ratings of chassis, pump (if applicable), and aerial device (if applicable).

Wiring diagrams

Lubrication charts

Operating instructions for the chassis, any major components such as a pump and any auxiliary systems.

Instructions regarding the frequency and procedures recommended for maintenance.

Parts replacement information.

CAB SAFETY SIGNS

Does Your Bid Comply?

YES NO

The following safety signs shall be provided in the cab:

A label displaying the maximum number of personnel the vehicle is designed to carry shall be visible to the driver.

"Occupants must be seated and belted when apparatus is in motion" signs shall be visible from each seat.

"Do Not Move Apparatus When Light Is On" sign adjacent to the warning light indicating a hazard if the apparatus is moved (as described in subsequent section).

A label displaying the height, length, and GVWR of the vehicle shall be visible to driver. This label shall indicate that the fire department must revise the dimension if vehicle height changes while vehicle is in service.

One (1) label shall be installed in the cab, visible from each seating position. The label shall read "CAUTION: DO NOT WEAR HELMET WHILE SEATED." Helmets must be properly stowed while the vehicle is in motion according to the current edition of NFPA 1901.

OTHER:

One (1) "NO RIDERS" label shall be applied on the vehicle at the rear step area or other applicable areas. The label shall warn personnel that riding in or on these areas, while the vehicle is in motion is prohibited.

MANUALS AND CERTIFICATION

Does Your Bid Comply?

YES NO

At time of delivery, one (1) complete set of the following manuals and test shall be provided:

Pump Manual and Current Pump Test

Service Manuals

Chassis Operational Manuals

AMP DRAW REPORT

Does Your Bid Comply?

YES NO

The bidder will provide, at the time of bid and delivery, an itemized print out of the expected amp draw of the entire vehicle's electrical system.

The manufacturer of the apparatus will provide the following:

1) Documentation of the electrical system performance tests.

2) A written load analysis, which will include the following:

A) The nameplate rating of the alternator.

B) The alternator rating under the conditions specified per:

Applicable NFPA 1901 or 1906 (Current Edition).

C) The minimum continuous load of each component that is specified per:

Applicable NFPA 1901 or 1906 (Current Edition).

D) Additional loads that, when added to the minimum continuous load, determine the total connected load.

E) Each individual intermittent load.

All of the above listed items will be provided by the bidder per the applicable NFPA 1901 or 1906 (Current Edition).

PAYMENT TERMS

Does Your Bid Comply?

YES NO

Apparatus is quoted with a "Zero Money Down" Contract, no down payment is required with full payment upon delivery to the fire department.

BASIC CHASSIS SPECIFICATIONS

Does Your Bid Comply?

YES NO

MODEL: 2021 or Newer Kenworth or Equal Cab

DRIVE: 2 Door Cab YES NO

TYPE: Full Truck YES NO

SERVICE: Fire Apparatus YES NO

FRONT AXLE: 14,600 lbs. Minimum Front GVW

YES NO

REAR AXLE: 30,000 LBS. Minimum Rear GVW

YES NO

G.C.W.: 44,600 LBS. YES NO

ENGINE: 8.9L or Larger Engine

YES NO

Horse Power: 380 HP YES NO

Cruise Control YES NO

PTO Provision YES NO

Air Compressor YES NO

Air Restriction monitor YES NO

EXHAUST: Single DPF RH mounted, horizontal tailpipe

YES NO

ALTERNATOR: 320 amp YES NO

BATTERIES: 3 x (700) TOTAL 2100 CCA

YES NO

TRANSMISSION: Allison 3000EVS P 5-SPD

YES NO

BRAKES: Full Air with ABS YES NO

CHASSIS TO HAVE REAR AXLE DIFFERENTIAL LOCK

Does Your Bid Comply?

YES NO

REYCO SPRING STYLE SUSPENSION

Does Your Bid Comply?

YES NO

ENGINE EXHAUST BRAKE

Does Your Bid Comply?

YES NO

AIR CONDITIONING

Does Your Bid Comply?

YES NO

POLISHED ALUMINUM WHEELS WITH CHROME HUB COVERS Does Your Bid Comply? YES NO

DUAL STUTTER TONE AIR HORNS ON FENDERS

Does Your Bid Comply?

YES NO

ONE (1) ALUMINUM 50 GALLON FUEL TANK

Does Your Bid Comply?

YES NO

HIGH IDLE

Does Your Bid Comply?

YES NO

S-CAM FRONT AND REAR BRAKES WITH ABS BRAKING SYSTEM Does Your Bid Comply? YES ___ NO

BRIGHT FINISH WEST COAST STYLE MIRROR WITH HEAT AND REMOTE
Does Your Bid Comply? YES ___ NO

STAINLESS STEEL SUNVISOR Does Your Bid Comply? YES ___ NO

HIGHWAY TREAD ON FRONT TIRES Does Your Bid Comply? YES ___ NO

ON/OFF ROAD TREAD ON REAR TIRES Does Your Bid Comply? YES ___ NO

SINGLE HORIZONTAL EXHAUST Does Your Bid Comply? YES ___ NO

PAINT SHALL BE VIPER RED Does Your Bid Comply? YES ___ NO

TILT WHEEL Does Your Bid Comply? YES ___ NO

ENGINE COMPARTMENT LAMP MOUNTED INSIDE ENGINE COMPARTMENT
Does Your Bid Comply? YES ___ NO

AIR RIDE DRIVERS SEAT Does Your Bid Comply? YES ___ NO

AIR RIDE PASSENGER SEAT Does Your Bid Comply? YES ___ NO

NFPA COMPLIANT SEAT BELTS AND GRAB HANDLES Does Your Bid Comply? YES ___ NO

EXHAUST SYSTEM Does Your Bid Comply? YES ___ NO

The chassis exhaust shall be modified and redirected to the right side of the apparatus and will exit ahead of the rear wheel. A heat shield shall be installed under the body to protect the areas in which the areas where the exhaust system is routed.

SEAT BELT CLARIFICATION Does Your Bid Comply? YES ___ NO

Red seat belts shall be provided to meet current NFPA standards. There shall be an in-cab seat belt monitor system to meet NFPA 2016 edition installed on apparatus.

VEHICLE DATA RECORDER Does Your Bid Comply? YES ___ NO

Vehicle shall be equipped with a vehicle data recorder to meet NFPA 2016 edition Standards, with access to recorder in cab. The (VDR) shall be an on-board Vehicle Data Recorder installed in the chassis cab to collect essential information in order to assist in the training and safety efforts of the department. It shall be capable of recording 100 engine-hours worth of minute by minute information.

The VDR shall be capable of recording the following data at least once per second:

- Vehicle Speed (mph)
- Acceleration (mph/sec)
- Deceleration (mph/sec)
- Engine Speed (RPM)
- Engine Throttle Position (% of Full Throttle)
- Anti-Lock Braking System (On/Off)
- Seat Occupied Status (Occupied: Yes/No by Position)
- Seat Belt Status (Buckled: Yes/No by Position)
- Master Optical Warning Device Switch (On/Off)
- Time (24 Hour Clock)
- Date (Year/Month/Day)

All data stored in the VDR shall be up loadable by the user to a computer and importable into a data management software package. Data shall be password protected with access controlled by the purchaser.

Software shall be delivered with the apparatus that will run on both Windows® and Apple® operating systems and produce the following formatted reports from the uploaded data:

- Raw second-by-second data over a specified data/time range
- Daily log for the time the engine is running for a given date (minute-by-minute output of all values)
- Weekly summary (maximum values each hour for each day of the week)
- Monthly summary (maximum values each day for each day of the month)

SEAT BELT WARNING

Does Your Bid Comply? YES NO

A seat belt warning system, integrated with the Vehicle Data Recorder system, shall be installed for each seat within the cab. The system shall activate an indicator light in the instrument panel, a digital seat position indicator with a seat position legend in the switch panel, and an audible alarm. The warning system shall activate when any seat is occupied with a minimum of 60 pounds, the corresponding seat belt remains unfastened, and the park brake is released. The warning system shall also activate when any seat is occupied, the corresponding seat belt was fastened in an incorrect sequence, and the park brake is released. Once activated, the visual indicators and audible alarm shall remain active until all occupied seats have the seat belts fastened.

AIR HORNS

Does Your Bid Comply? YES NO

Two (2) Hadley round air horns with 6.00" bell will be provided and located one (1) each side of the hood. The horn system will be piped to the air brake system wet tank utilizing 0.38" tubing. A pressure protection valve will be installed in-line to prevent the loss of air, in the air brake system.

AIR HORN CONTROL

Does Your Bid Comply? YES NO

The air horns will be actuated by one (1) foot switch, located on the driver side of apparatus and lanyard mounted in roof of chassis between front seating positions.

AIR LIMITER

Does Your Bid Comply? YES NO

A limiter valve shall be installed on the chassis reserve air tank, elimination the use of all air accessories when the chassis air pressure is under 100 psi, thus reserving all available air for braking effort.

VEHICLE TIRE MONITORS

Does Your Bid Comply? YES NO

There will be a VECSAFE LED tire alert pressure management system provided that will monitor each tire's pressure. A chrome plated brass sensor will be provided on the valve stem of each tire for a total of six (6) tires. The sensor will calibrate to the tire pressure when installed on the valve stem for pressures between 20 and 120 psi. The sensor will activate an integral battery-operated LED when the pressure of that tire drops eight (8) psi. Removing the cap from the sensor will indicate the functionality of the sensor and battery. If the sensor and battery are in working condition, the LED will immediately start blinking.

VEHICLE FLUIDS PLATE

Does Your Bid Comply? YES NO

As required by NFPA-1901, the manufacturer will affix a permanent plate in the driver's compartment specifying the quantity and type of the following fluids used in the vehicle:

A permanent plate in the driving compartment will specify the quantity and type of the following fluids used in the vehicle:

- Engine oil
- Engine coolant
- Chassis transmission fluid
- Pump transmission lubrication fluid
- Pump primer fluid
- Drive axle(s) lubrication fluid
- Air-conditioning refrigerant
- Air-conditioning lubrication oil
- Power steering fluid
- Cab tilt mechanism
- Transfer case fluid
- Equipment rack fluid
- Air compressor system lubricant

DELIVERY

The apparatus will be delivered under its own power.

Does Your Bid Comply?

YES NO

NFPA COMPLIANT EMBER SEPARATOR

Does Your Bid Comply?

YES NO

NFPA COMPLIANT SEAT BELTS AND GRAB HANDLES

Does Your Bid Comply?

YES NO

ANTI-LOCK BRAKE SYSTEM

Does Your Bid Comply?

YES NO

The vehicle will be equipped with an anti-lock braking system. The ABS will provide anti-lock braking control on both the front and rear wheels. It is to be a digitally controlled system that utilizes microprocessor technology to control the anti-lock braking system. Each wheel is to be monitored by the system. When any particular wheel begins to lockup, a signal is to be sent to the control unit. This control unit then will reduce the braking of that wheel for a fraction of a second and then reapply the brake. This anti-lock brake system will eliminate the lockup of any wheel thus helping to prevent the apparatus from skidding out of control.

EMBER SEPARATOR

Does Your Bid Comply?

YES NO

An air inlet shall be equipped with a screen for separating water and burning embers from the air intake system such that particulate matter larger than 0.039" (1.0 mm) in diameter cannot reach the air filter element.

SEAT BELT CLARIFICATION

Does Your Bid Comply?

YES NO

Red seat belts shall be provided to meet current NFPA standards. There shall be an in-cab seat belt monitor system to meet NFPA 2016 edition installed on apparatus.

MASTER BATTERY SWITCH

Does Your Bid Comply?

YES NO

A heavy duty on/off single battery master disconnect switch shall be mounted in the cab within easy reach of the driver. The master battery switch shall be wired between the starter solenoid and the remainder of the electrical loads on the apparatus. A green "battery on" indicator light, visible from the driver's position shall be provided.

BATTERY SYSTEM INDICATOR LIGHT

Does Your Bid Comply?

YES NO

There shall be a green battery "on" light provided front center of the cab. Light shall not be size and/or intensity to be distracting to driver at night.

COMMERCIAL CHASSIS ELECTRICAL SYSTEM

Does Your Bid Comply?

YES NO

The commercial chassis electrical system shall be provided as furnished by the original manufacturer. A customized interface shall be provided and designed, so as not to disturb any of the required chassis functions. The necessary interfaces shall only be provided in areas where load management is allowed or with accessory components provided on the chassis.

HUB AND LUG NUT COVERS

Does Your Bid Comply?

YES NO

The apparatus shall have chrome or stainless-steel hub and lug nut covers on the front and single rear axles.

FRONT MUD FLAPS

Does Your Bid Comply?

YES NO

Mud flaps shall be made from black hard rubber and shall be installed at the rear of the front cab fenders.

REAR MUD FLAPS

Does Your Bid Comply?

YES NO

Mud flaps shall be made from black hard rubber and shall be installed at the rear of the body fenders.

WHEEL CHOCKS

Does Your Bid Comply?

YES NO

There will be one (1) pair of folding Ziamatic SAC-44-E, aluminum alloy, Quick-Choc wheel blocks, with easy-grip handle provided.

WHEEL CHOCK BRACKETS

Does Your Bid Comply?

YES NO

There will be one (1) pair of Ziamatic SQCH-44-H horizontal mounting wheel chock brackets provided for the Ziamatic SAC-44-E folding wheel chocks. The brackets will be mounted in a position determined at the preconstruction conference.

REAR TOW EYES

Does Your Bid Comply?

 YES NO

There shall be two (2) tow eyes furnished under the rear of the body and attached directly to each chassis frame rail. There shall be a reinforcement spreader bar connecting the two tow eyes. Tow eyes are to be constructed of 1/2" plate steel with a 4" I.D. hole, large enough for passing through a tow chain end hook, painted black.

BATTERY CHARGER/ AIR COMPRESSOR

Does Your Bid Comply?

 YES NO

A Kussmaul Pump Plus 1000, model 091-9-1000 single 18-amp output battery charger/air compressor system with internal battery saver will be provided. A display bar graph indicating the state of charge will be included. The battery saver circuit will be capable of supplying up to three (3) amps for external loads such as hand light or auxiliary radio batteries. The 12-volt air compressor will be installed to maintain the air system pressure when the vehicle is not in use. The battery charger will be wired to the AC shoreline inlet through an AC receptacle adjacent to this battery charger. The battery charger indicator will be located in the cab step area of the driver side entrance.

KUSSMAUL AUTO EJECT FOR SHORELINE

Does Your Bid Comply?

 YES NO

one (1) shoreline receptacle will be provided to operate the dedicated 120-volt circuits on the truck without the use of the generator. The shoreline receptacle (s) will be provided with a NEMA 5-20, 120 volt, 20 amp, straight blade Kussmaul auto eject plug with a yellow weatherproof cover. The cover is spring loaded to close, preventing water from entering when the shoreline is not connected. A solenoid wired to the vehicle's starter is energized when the engine is started. This instantaneously drives the plug from the receptacle. The shoreline will be connected to battery direct. A mating connector body will also be supplied with the loose equipment. The shoreline receptacle will be located on the driver side of pump panel.

HIGH IDLE

Does Your Bid Comply?

 YES NO

A high idle switch will be provided, inside the cab, on the instrument panel, that will automatically maintain a preset engine rpm. A switch will be installed, at the cab instrument panel, for activation/deactivation. The high idle will be operational only when the parking brake is on and the truck transmission is in neutral. A green indicator light will be provided, adjacent to the switch. The light will illuminate when the above conditions are met. The light will be labeled "OK To Engage High Idle".

ELECTRONIC LOAD MANAGEMENT

Does Your Bid Comply?

 YES NO

A Kussmaul Load Manager 2 will be provided on the apparatus. The device is an electronic load management (ELM) system that monitors the vehicles 12-volt electrical system, and automatically reduces the electrical load in the event of a low voltage condition and by doing so, ensures the integrity of the electrical system. The ELM will monitor the vehicle's voltage while at the scene (parking brake applied). It will sequentially shut down individual electrical loads when the system voltage drops below a preset value. Two (2) separate electrical loads will be controlled by the load manager. The ELM will sequentially re-energize electrical loads as the system voltage recovers.

BUMPER EXTENSION

Does Your Bid Comply?

 YES NO

The factory front bumper shall be extended 16 inches forward of the original position to accommodate a 2.5" discharge and hose well made of .125" smooth aluminum with drainage. A polished aluminum .125" tread plate piano hinged door with latch covering the storage well shall be installed. A polished aluminum .125" tread plate cover shield with end plates shall be installed to enclose the space behind the bumper. The front bumper discharge shall be detailed later in the specifications.

FEDERAL Q SIREN

Does Your Bid Comply?

 YES NO

There shall be a pedestal mount Federal QB2 siren pedestal mounted on the driver side front bumper area. The siren shall be actuated by the following switch configuration: driver and passenger side clam shell in floor. There shall be a siren brake mounted in the center console. There shall be a weather proof shield provided around the siren motor and electrical connections and made as secure as possible.

TOW HOOKS

Does Your Bid Comply?

 YES NO

The apparatus shall be equipped with NFPA approved front and rear tow hooks. The front tow eyes shall be steel loop with threaded end that is bolted through front bumper extension frame work. The eyes shall extend through the filler panel on the front bumper.

NFPA 1901-2016 STABILITY REQUIREMENTS

Does Your Bid Comply?

 YES NO

Apparatus shall meet NFPA 1901-2016 chapter 4.13 requirements for stability and roll over and shall be certified with center of gravity request as outlined by NFPA.

"DO NOT MOVE APPARATUS" WARNING LIGHT WITH AUDIBLE ALARM

Does Your Bid Comply?

 YES NO

A red flashing warning light with an integral audible alarm, shall be functionally located in the cab to signal when an unsafe condition is present such as an open cab door or body compartment door, or any other device which is opened, extended or deployed which may cause damage to the apparatus if it is moved. This light shall be activated through the parking brake switch to signal when the parking brake is released. This light shall be labeled "DO NOT MOVE APPARATUS WHEN LIGHT IS ON".

WATER TANK

Does Your Bid Comply?

 YES NO

The water tank shall have a capacity of 2000 gallons water and, constructed from polypropylene material. The Poly water tanks shall be constructed from 1/2" thick polypropylene sheet stock. This material shall be a non-corrosive stress relieved thermo-plastic, natural in color, and U.V. stabilized for maximum protection. The water tanks shall be of a specific configuration and is also designed to be completely independent of the body and compartments. All joints and seams shall be nitrogen welded and tested for maximum strength and integrity. The top of the booster tank is fitted with removable lifting eyes designed with a 3 to 1 safety factor to facilitate easy removability. The transverse swash partitions shall be manufactured of 1/2" polypropylene (natural in color) and extend from approximately 4" off the floor to just under the cover. The longitudinal swash partitions shall be constructed of 1/2" polypropylene (natural in color) and extend from the floor of the tank through the cover to allow for positive welding and maximum integrity. All partitions shall be equipped with vent and air hoses 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 welded to each other as well as to the walls of the tank.

TANK LID

Does Your Bid Comply?

 YES NO

The tanks cover shall be constructed of 1/2" thick polypropylene, natural in color, and U.V. stabilized, to incorporate a multi three-piece design, which allows for individual removal and inspection if necessary. The tank cover shall be recessed 3/8" from the top of the tank and shall be welded to both sides and longitudinal partitions for maximum integrity. Each one of the covers shall have hold downs consisting of 2" polypropylene dowels spaced a maximum of 30" apart. These dowels shall extend through the covers and become welded to the transverse partitions. This shall assist in keeping the cover rigid under fast filling conditions. A minimum of two lifting dowels shall be drilled and tapped 1/2" X 13" to accommodate the lifting eyes.

TANK FILL TOWER

Does Your Bid Comply?

 YES NO

The tank shall have a combination vent and manual fill tower. The fill towers shall be constructed of 1/2" polypropylene and shall be 12" W x 12" L outer perimeter. The tower shall be located a minimum of 6" off the front wall and 10" off either of the side walls. The tower shall have a 1/4" thick removable polypropylene screen and a polypropylene hinged type cover. The fill tower cover shall be marked as a water tank fill point.

OVERFLOW AND VENT PIPE

Does Your Bid Comply?

 YES NO

The fill tower shall be fitted with an integral 4" I.D. schedule 40 P.V.C. combination overflow/vent pipe running from the fill tower through the tank to a 4" coupling flush mounted into the bottom of the tank to allow water to overflow behind the chassis rear axle.

TANK SUMP

Does Your Bid Comply?

 YES NO

The tank sump shall be a minimum of 3" wide x 3" long x 3" deep. An anti-swirl plate shall be mounted inside the sump, approximately 1" above the bottom of the sump.

TANK SUMP CONNECTION

Does Your Bid Comply?

 YES NO

The front bulkhead of the water tank shall be fitted with one (1) A 3" drain plug shall be provided.

OUTLETS

Does Your Bid Comply?

 YES NO

There shall be two (2) standard tank outlets; one for tank-to-pump suction line which shall be a minimum of 4" coupling and one for a tank fill line which shall be a minimum of a 2" N.P.T. coupling. All tank fill couplings shall be backed with

flow deflectors to break up the stream of water entering the tank.

TANK MOUNTING

Does Your Bid Comply?

YES NO

The tank shall rest on the body cross members spaced a maximum of 22" apart and shall be insulated from these cross members with a minimum of 3/8" nylon webbing or 1/2" rubber, 2-1/2" wide. The tank shall sit cradle-mounted using four (4) corner angles of 6 x 6 x 4 x 0.250 welded directly to the body cross members. The angles shall keep the tank from shifting left to right or front to rear. The tank is designed on the free-floating suspension principle and shall not require the use of hold downs. The tank shall be completely removable without disturbing or dismantling the apparatus body structure. The hose bed cross braces shall act as water tank retainers.

TANK PAINT

Does Your Bid Comply?

YES NO

Tank shall be natural black in color and hidden behind the dry side body.

TANK WARRANTY

Does Your Bid Comply?

YES NO

The tank shall feature a lifetime warranty from Manufacturer.

SWIVEL QUICK DUMP VALVE

Does Your Bid Comply?

YES NO

One (1) 10"x10" Steel Newton Quick Flow Dump Valve shall be installed with the Newton 6000SW swivel chute and model 4036 manual telescopic extension on the apparatus booster tank. The valve shall be bolted using high grade fasteners to the tank walls at location as follows: rear center. The entire assembly shall be stainless steel. The Newton 6000 Series swivel dump shall have the ability to dump water from the driver's side or the officer's side and any point in between. The swivel dump is 70 inches long when fully extended. The swivel dump shall have an extension that is hinged and can be folded up when the dump is not in use. The dump shall have the ability to stow on either the driver's side or the officer's side of the truck. The latch that holds the extension in the stowed position shall also help support the swivel dump extension. When the extension is in the down and extended position, there shall be no less than a 34-inch clearance from level ground to the bottom of the dump to ensure that there is enough clearance for the swivel dump to offload into all portable drop tanks. The dump shall meet NFPA requirements for water delivery on three sides of the vehicle.

REAR DIRECT TANK FILL 2.5"

Does Your Bid Comply?

YES NO

There shall be one (1) direct tank fill located on the rear of the tank, right-hand side of the dump valve with Fireman's Friend valve. The valve shall be a 3" Fireman's Friend 3" check valve and shall be constructed using 316 heavy duty gauge stainless steel casting, EPDM rubber seals, high grade stainless steel springs, shafts, and prevailing torque fasteners. The valve shall be operated to open and close by the flow of water as it is received by an outside source. The valve inlet shall be a 2 1/2" NST hose thread adapter. The plumbing shall extend out enough from the tank wall so as to keep firefighters from having to lean over the rear steps to connect the fill/supply hose.

APPARATUS BODY DESIGN CONSTRUCTION

Does Your Bid Comply?

YES NO

The body side and compartment assemblies shall be designed and assembled to provide maximum strength and durability under all operating conditions. Special attention shall be taken to minimize corrosion on all fabricated parts and structural members of the body. The body design shall also incorporate removable panels to access spring hangers, rear body mounts and fuel tank sending units. The body assembly shall be an all-welded configuration, utilizing 2" vertical body corner radius.

99" WIDE FIRE BODY

Does Your Bid Comply?

YES NO

The fire body shall be 99" wide to provide the maximum amount of usable hose bed space, approximately 76" wide, and to extend the body fenderettes outward for better fire tread coverage.

SUPER STRUCTURE – ALUMINUM

Does Your Bid Comply?

YES NO

The body super structure shall be an all welded configuration utilizing a combination of 3" x 3/8" Aluminum. The super structure shall be designed to totally support the full length and width of the body. The structure shall be welded to the body side compartments to incorporate the compartments into an integral part of the body weldment. All cross tubes of the structure shall be capped and butt welded at their point of termination to prevent water from lying inside the super structure. The super structure shall be bolted to the sides of the chassis frame at four (4) points.

BODY AND COMPARTMENT FABRICATION – 1/8" ALUMINUM

Does Your Bid Comply? YES NO

The body shall be assembled in fixtures to ensure accurate body dimensions and squareness of door openings. The parts used in the construction of the body weldment shall be fabricated from the highest-Grade Aluminum. After proper alignment is achieved, the body panels shall be spot-welded together to ensure proper weld penetration and then stitch-welded on all exposed seams to minimize distortion of welded assemblies. A full seam weld shall not be used due to the applied heat which shall distort sheet metal and remove the protective coating from the perimeter of the welded area. All seams shall be caulked prior to finish paint to ensure proper compartment seal.

BODY-FORMED SEVERE SERVICE ALL ALUMINUM DRY SIDE BODY

Does Your Bid Comply? YES NO

The apparatus body substructure shall be constructed of high strength aluminum tubing.

Body shall have the following minimal underbody design Does Your Bid Comply? YES NO

3- Horizontal Underbody Beams (Sub-Frame), One at front, middle, and rear of body constructed of 3 x3 x.375 Aluminum 6061-T6 Tubing

2-Pieces of 3 x 3 x.25 6061-T6 Aluminum Tubing running from front of body to rear transverse compartment, one each side.

2- Pieces of 3 x 3 x.25 6061-T6 Aluminum tubing running the full length of the body for the upper body support beams.

4- Pieces of 3 x 3 x .25 6061-T6 Aluminum tubing equally spaced between three horizontal underbody beams for underbody support.

4- Pieces 3 x 3 x .25 Aluminum Tubing, one at each corner of body to form outer corner support of body

4- Pieces 3 x 3 x.25 6061-T6 Aluminum Tubing, two each side to form side body wall supports. Tubing shall be at compartment breaks for added support of body.

DRIVERS SIDE COMPARTMENTATION

Does Your Bid Comply? YES NO

One (1) low side compartment, with a Dover roll-up door, forward of the rear wheels. Compartment dimensions 30" High x 24" deep x 72" Wide.

-There shall be a 300# slide out tray provided in the forward section of the L1 compartment for storage of FD supplied equipment. The slide out tray shall be mounted on stainless steel bearing slides with locking mechanism on one end. The slide outs shall be fitted with a 2" tray constructed of aluminum 3/16" material.

-There shall be a custom storage rack provided in the rearward section of the L1 compartment. The rack shall be designed to carry two (2) TFT low level strainers. There shall be a retainer strap provided to keep the rack in place during transit.

One (1) low side compartment, with a Dover roll-up door, behind the rear wheels. Compartment dimensions 30" High x 24" deep x 34" Wide

OFFICERS SIDE COMPARTMENTATION

Does Your Bid Comply? YES NO

One (1) low side compartment, with Dover roll-up door, forward of the rear wheels. Compartment dimensions 30" High x 24" deep x 72" Wide.

One (1) low side compartment, with a Dover roll-up door, behind the rear wheels. Compartment dimensions 30" High x 24" deep x 34" Wide.

SHELVING

Does Your Bid Comply? YES NO

There shall be two (2) adjustable shelves provided and installed, one in each rear side body compartment. The shelving shall be mounted in aluminum "C" channel tracking with infinite adjustment.

ROLL UP DOOR CONSTRUCTION

Does Your Bid Comply? YES NO

The apparatus shall be equipped with Dover roll up style doors. The doors shall be left natural anodized finish.

SWEEP OUT COMPARTMENT FLOORS

Does Your Bid Comply?

YES NO

Compartment floors shall be welded to the compartment walls and have a sweep out design for easy cleaning.

COMPARTMENT INTERIOR FINISH

Does Your Bid Comply?

YES NO

Each compartment shall be left natural finish.

COMPARTMENT LIGHTING -LED

Does Your Bid Comply?

YES NO

Each body compartment shall contain one (1) clear LED vertical strip light assembly, as provided by ROM. The compartment lighting system shall be LED and shall be integrated into the roll-up door track system. Each compartment shall be equipped with dual track lighting; each containing a minimum of two (2) LED light boards totaling 140 lumens. The LED light boards shall be equipped with heavy duty connectors and shall be adjustable to position light exactly where needed in the compartment and shall provide a 120-degree viewing angle, offering uniform surface coverage.

SIDE BODY FENDER

Does Your Bid Comply?

YES NO

One side body fender shall be installed on each side of body between front and rear compartments and over wheel well area. Fender shall be manufactured of .125 polished aluminum diamond plate.

COMPARTMENT TOPS

Does Your Bid Comply?

YES NO

Compartment tops shall be covered with polished aluminum tread plate on both sides. The compartment tops shall be flanged up at hose bed wall and shall have a 90-degree flange downward over the top of compartments.

DRIP MOLDING

Does Your Bid Comply?

YES NO

Compartment tops over all side compartments shall have a 45-degree flange formed out to provide protection against water run off. A secondary extruded drip molding shall be provided between low compartments and auxiliary high side compartments, when auxiliary compartments are provided.

FASTENERS

Does Your Bid Comply?

YES NO

All exterior fasteners used for holding panels or tread plate shall be stainless steel. In no case shall pop rivets or self-tapping screws be used.

COMPARTMENT LOUVERS

Does Your Bid Comply?

YES NO

Machine stamped ventilating louvers shall be furnished in each compartment, and so located that water cannot normally enter the compartment.

ACCESS PANELS

Does Your Bid Comply?

YES NO

Removable access panels shall be provided in all lower compartments to access spring pins, fuel tank sender, electrical junction compartment and rear body mounts. Protective panels shall be located in the rear compartments providing access to the lights and associated wiring.

COMPARTMENT MATTING

Does Your Bid Comply?

YES NO

Black rubber (turtle tile style) matting will be provided in all Compartments and in the hose beds of the apparatus.

BODY RUB RAILS

Does Your Bid Comply?

YES NO

Sacrificial aluminum tread plate rub rails shall be mounted at the base of the body, extend outward a minimum 3/4", downward 2" and flange inward 1". The rub rails shall extend the full length of the main body and wrap around the rear body corners. Rub rails shall be designed to bolt to the body from the bottom side of the compartment area, so as not to damage the body side panels on initial impact and to provide for ease of replacement.

GRAB RAILS

Does Your Bid Comply?

YES NO

All hand rails shall be 1-1/4" outer diameter, knurled bright anodized aluminum extrusion, designed to meet NFPA 1901 requirements. Molded gaskets shall be installed between the handrail stanchion castings and body surfaces to prevent electrolytic reaction between dissimilar metals and to protect paint. There shall be three (3) grab rails on the rear of the truck: driver side vertical, passenger side vertical, and center above dump valve horizontal.

REAR FOLDING STEPS

Does Your Bid Comply?

 YES NO

Four (4) large folding steps, made of high strength die cast aluminum, with a textured chrome plate finish, minimum of 42 in² surface, conforming to NFPA-1901 requirements, shall be provided on the rear of tank for hose bed access. The steps shall be mounted to accommodate access to the body hose bed area with a maximum of 18" height between each step.

FRONT FOLDING STEPS

Does Your Bid Comply?

 YES NO

Four (4) large folding steps, made of high strength die cast aluminum, with a textured chrome plate finish, minimum of 42 in² surface, conforming to NFPA-1901 requirements, shall be provided on the front of the apparatus body, two each side. The steps shall be mounted to accommodate access to the body hose bed area with a maximum of 18" height between each step.

SAFETY SIGN(S) AT REAR STEP AND CROSS WALKWAY(S)

Does Your Bid Comply?

 YES NO

Safety sign(s) shall be located on the vehicle at the rear step, and at any cross walkway(s), to warn personnel that riding in or on these areas while the vehicle is in motion is prohibited.

REAR FENDERETTES

Does Your Bid Comply?

 YES NO

The rear fenders shall be equipped with easily replaceable, polished extruded aluminum fenderettes. The fenderettes shall be equipped with a rubber gasket molding between the body panel and the fenderette.

MUD FLAPS

Does Your Bid Comply?

 YES NO

Heavy duty mud flaps shall be provided behind the rear wheels.

SLIDE IN SUCTION HOSE RACK-DRIVER

Does Your Bid Comply?

 YES NO

There shall be suction hose and pike pole storage provided on the apparatus, the suction hoses and pike poles shall slide in the rear driver side of apparatus in the outboard position. There shall be poly striping provided in the floor of the suction hose slides to prevent metal to metal contact. The storage area shall be built into the body with the outside skin painted to match the body. The rack shall be capable of holding two (2) 10' x 6" Suction Hoses and Three (3) pike poles.

HARD SUCTION HOSE

Does Your Bid Comply?

 YES NO

Two (2) 10' x 6" sections of flexible see thru hard suction hose will be provided and stored in the hose troughs.

SLIDE IN DUMP TANK RACK-PASSENGER

Does Your Bid Comply?

 YES NO

There shall be dump tank storage provided on the apparatus, the dump tank shall slide in the rear passenger side of apparatus in the outboard position. There shall be poly striping provided in the floor of the slide to prevent metal to metal contact. The rack shall be built into the body with the outside skin painted to match the body. The rack shall be capable of holding one (1) 2100-gallon folding dump tank.

REAR TAILBOARD

Does Your Bid Comply?

 YES NO

Tailboard is designed to accommodate a 1000 lb. Load; Frame is covered with a fitted aluminum diamond plate covering for anti skid purposes. Tailboard dimensions are approximately 12" deep x 96" wide.

SCBA BOTTLE STORAGE (4)

Does Your Bid Comply?

 YES NO

There shall be four (4) 8" diameter air bottle holders provided, located two each side of the wheel well area of the rear axle on the driver and passenger side. The storage tube shall be constructed of high strength aluminum to provide protection for the bottles. The bottles shall be held in place by an aluminum hinged door. The door shall be painted to match the apparatus cab and body.

HOSE BED AND DIVIDER

Does Your Bid Comply?

 YES NO

The hose bed shall be located directly above the booster tank and shall be free from all sharp objects such as bolts, nuts, etc., to avoid damage to fire hose. The hose bed storage area, shall have a minimum capacity of sixty-five (65) cubic feet, and shall accommodate 1200 feet of 3-inch hose and 400 feet of 2.5-inch hose. The hose-bed depth shall be 10". The hose bed shall be located directly above the booster tank and shall be free from all sharp objects such as bolts, nuts, etc., to avoid damage to fire hose.

HOSE BED DIVIDERS

Does Your Bid Comply?

YES NO

Two (2) full length hose bed dividers shall be fabricated of 3/16" smooth aluminum plate with an aluminum base welded to the bottom and be provided in the hose bed. The dividers shall be fully adjustable within the hose bed. The rear top ends of the divider shall have a three inch radius corner and shall be de-burred to prevent damage to the hose.

HOSE BED FLOORING

Does Your Bid Comply?

YES NO

Flooring to be constructed from extruded aluminum and be properly spaced for ventilation. The flooring shall be smooth and free from sharp edges to avoid hose damage. The hose bed floor shall be removable to provide access to inner body framework.

HOSEBED COVER

Does Your Bid Comply?

YES NO

The hose bed shall have a 16 oz heavy-duty hypalon cover. This cover shall have Bungee Cord and Hook type attachment across the front and down each side. COLOR SHALL BE RED.

FIRE PUMP AND COMPONENTS- HALE MODULE 750 GPM PTO DRIVEN

Does Your Bid Comply?

YES NO

1. The pump shall be of size and design to mount on the chassis rails of a commercial truck chassis and have the capacity of 750 gallons per minute.
2. The entire pump shall be assembled and tested at the pump manufacturer's factory.
3. The pump shall function by the utilization of a driveline from the truck transmission PTO. The engine shall provide sufficient horsepower and RPM to enable the pump to meet and exceed its rated performance.
4. The entire pump shall be hydrostatically tested to a pressure of 500 PSI. The pump shall be tested at the pump manufacturer's facility to performance specifications as outlined by NFPA-1901 rated performance requirements. The pump shall be free from objectionable pulsation and vibration.
5. The pump body and related parts shall be constructed of fine grain alloy cast iron, with a minimum tensile strength of 30,000 PSI (2,069 bar). All metal moving parts in contact with water shall be manufactured of high quality bronze or stainless steel. Any pump utilizing castings made of lower tensile strength cast iron not acceptable.
6. The pump body shall vertically split on a single plane for ease of removal of the impeller assembly. The entire pump shall remove easily without disturbing the piping or mounting of the plumbing and manifold in chassis.
7. Ball bearings support the pump shaft for minimum deflection, and maximum rigidity. The ball bearings shall be heavy-duty, deep groove, bearings in the gearbox and splash lubricated.
8. The pump shaft shall have: one (1) mechanical seal on the suction (inboard) side of the pump. The mechanical seal shall be spring loaded, maintenance-free and self-adjusting. All mechanical seal construction shall contain a silicon carbide sealing ring, stainless steel coil spring, a Viton rubber cup, and a tungsten carbide seat.
9. The pump impeller shall be manufactured of hard fine grain bronze of mixed flow design. Once manufactured, the impeller shall be accurately machined and balanced. The vanes of the impeller intake eyes shall be of sufficient size and design to provide ample reserve capacity utilizing minimum horsepower.
10. The pump impeller shall have clearance rings manufactured of bronze, easy to remove, without replacing impeller or pump volute body.
11. The pump shaft shall be manufactured of heat-treated, electric furnace, corrosion resistant stainless steel for longer shaft life. The pump shaft shall be sealed with a double-lip oil seal to keep road dirt and water out of gearbox.

GEARBOX

Does Your Bid Comply?

YES NO

1. The pump gearbox shall be of sufficient size to withstand the full drive load imposed by the pump system. The drive unit shall be designed of ample capacity for lubrication reserve and to maintain the proper operating temperature.

2. The gearbox drive shaft shall be of heat-treated chrome nickel steel.
3. All drive and pump gears shall be of the highest quality electric furnace chrome nickel steel. All bores shall be ground to size, teeth integrated and hardened, to create an extremely accurate gear for long life, smooth, quiet running, and higher load carrying capability. An accurately cut Helical design shall be provided. (There will be No exceptions.)
4. The pump ratio shall be selected by the apparatus manufacturer to give maximum performance with the engine and transmission selected.
5. All apparatuses built with automatic transmissions shall be provided three (3) green warning lights to indicate to the operator(s) when the pump has completed the shift from road to pump position. The warning lights will be located as stated: two (2) in the truck driving compartment and one (1) on the pump operator's panel adjacent to the throttle control. For manual transmissions, one (1) green warning light will be provided for the driving compartment. All lights shall have appropriate identification/instruction plates.

PUMP SHIFT

Does Your Bid Comply?

YES NO

A pump shift will be provided within easy reach of the driver for engagement of the PTO driven pump. The shift will include the indicator lights as mandated by NFPA. The pump shift control will be illuminated to meet NFPA requirements

PRIMING PUMP

Does Your Bid Comply?

YES NO

The priming pump shall be a positive displacement, oil-less rotary vane electric motor driven pump conforming to NFPA-1901 rated performance requirements. The pump body shall be manufactured of heat-treated anodized aluminum for wear and corrosion resistance. The pump shall be capable of producing a minimum of 24 Hg vacuum at 2,000 feet (609.6m) above sea level. The electric motor shall be a 12 VDC totally enclosed unit. The priming pump shall not require lubrication. The priming pump shall operate by a single pull control valve mounted on the pump operator's panel. The control valve shall be manufactured of bronze construction.

INSTRUMENT PANEL

Does Your Bid Comply?

YES NO

The Instrument Panel shall be polished material and contain the following:

- One (1) 4½" Intake Master Gauge
- One (1) 4½" Discharge Master Gauge
- One (1) Cass 1 – ITL-40 Tank Water Level Gauge
- One (1) Panel Light Switch
- One (1) TPG Throttle Control

The instrument panel, all controls, and gauges shall be in an aluminum pump house behind cab of truck in a Class A Style. All valves shall be controlled with push-pull style Class One Control rods.

PUMP PANEL TAGS

Does Your Bid Comply?

YES NO

The pump panel tags for all discharges, gauges, and controls shall be color-coded matching existing apparatus colors. Engraved tags shall be used to label all controls, inlets, outlets, drains, etc. of the apparatus pump system.

U.L. TEST POINTS

Does Your Bid Comply?

YES NO

There shall be two (2) U.L. Test plugs shall be pump panel mounted for testing of vacuum and pressures.

PUMP CERTIFICATION TEST PLATE

Does Your Bid Comply?

YES NO

A permanently affixed plate shall be installed at the pump operators position that will provide the rated discharge and pressures together with the speed of the engine as determined by the certification test for each unit, the position of the parallel/series pump used and the no load governed speed of the engine as stated by the engine manufacturer on a certified brake horsepower curve.

PUMP MASTER GAUGES

Does Your Bid Comply?

YES NO

One (1) 4.5" master intake and one (1) 4.5" master discharge gauge shall be pump panel mounted. These compound gauges

shall be liquid filled.

STAINLESS STEEL PLUMBING SYSTEM

Does Your Bid Comply?

YES NO

The plumbing system shall consist of hard stainless-steel piping, or flexible high-pressure hose with stainless steel ends, as deemed necessary for the application. Upon completion, the entire system shall be fully pressure tested. The tank to pump plumbing and valve arrangement shall be capable of delivering water to the pump at a minimum flow rate of 500 GPM while pumping at 150 psi pressure. Each gated intake shall be equipped with a 3/4 inch bleeder valve located in close proximity to the intake. All intakes shall be provided with suitable closers (valves or caps) capable of withstanding 500 PSI.

When any 3" or larger intake or discharge is gated (except tank to pump valve), the valve shall have a mechanism to allow the valve to fully open or fully close no faster than 3 seconds. Any 2-1/2" or larger discharge outlet, mounted 42" or higher from ground, which hose is to be connected, and which is not in a hose storage area, shall be supplied with a swiveling sweep elbow of at least 30 degrees. All 2-1/2" and larger intakes and discharges shall be equipped with drains. All drain valves shall be operational without the operator having to get under the apparatus. All discharges and intakes shall terminate with NST threads, chrome caps and chains, unless detailed otherwise in these specifications.

BALL VALVES

Does Your Bid Comply?

YES NO

Akron 8800 Series valves shall be provided. The valve shall be capable of dual directional flow while incorporating a self-locking ball feature using an automatic friction lock design and specially designed flow optimizing stainless steel ball. All stainless-steel parts must be 316 grade for increased resistance to corrosion. The valve shall not require lubrication of seats or any other internal waterway components, and must be capable of swinging out of the waterway for maintenance by the removal of six bolts. All 3.0" discharge valves shall be supplied with a true slow close mechanism. The valve shall be compatible with a slow closing devise. This valve shall be operated using manual handles, a Rack & Sector, manual gear or electric actuator. The manual handles shall be quickly adjustable to one of eight handle positions and require only 90° travel.

PIPING AND MANIFOLDS

Does Your Bid Comply?

YES NO

All the piping and pump body attached manifolding shall be stainless steel. The complete piping system shall be designed to direct mount all 1-1/2" or larger ball valves onto the pump body or stainless-steel manifolds attached directly to the pump body. 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: rear discharge, tank fill, all 2" and 2-1/2" (5.08 and 6.35cm) pre-connect valves. The tank to pump 3" (7.62 cm) valve shall have a hose barb connection.

TANK FILL

Does Your Bid Comply?

YES NO

There shall be a 2" pump to tank fill stainless steel valve. Valve shall be controlled at the side or top pump panel with a chrome handle.

6" STEAMER INLETS

Does Your Bid Comply?

YES NO

Two (2) 6" steamer inlets will be provided, one (1) on the left side and one (1) on the right side. Both inlets shall have chrome vented caps and a screen.

2-1/2" AUXILIARY SIDE SUCTION

Does Your Bid Comply?

YES NO

A 2 1/2" valve shall be installed on the LEFT side of the pump panel with 2 1/2" piping. The control handle shall be a twist lock with the control located on pump panel.

AUXILIARY ENGINE COOLER

Does Your Bid Comply?

YES NO

An engine cooler shall be installed in-line from the discharge side of the pump and will be installed in the engine cooling system. There shall be a 3/8" quarter turn valve installed thru the pump panel and shall be clearly labeled.

PUMP COOLER

Does Your Bid Comply?

YES NO

The 3/8" line installed from the pump discharge to the water tank to cool the pump during long periods of pumping when water is not being discharged.

INTAKE RELIEF VALVE

Does Your Bid Comply?

YES NO

An Akron relief valve shall be installed on the suction side of the pump preset at 125 psig. Relief valve shall have a working

range of 75 psig to 200 psig. Control shall be located behind an access door at the right (passenger's) side pump panel.

TANK TO PUMP

Does Your Bid Comply?

YES NO

The tank will be connected to the intake side of the pump with heavy-duty piping and a 3.00" Fire Service ¼ Turn valve with a push-pull control remotely located at the operator's position. The tank to pump line will run from the pump to the tank sump. A rubber coupling will be included in this line to prevent damage from vibration or chassis flexing. A check valve will be provided to prevent the possibility of "back filling" the water tank.

TANK REFILL

Does Your Bid Comply?

YES NO

A 2.00" combination tank refill and pump bypass line will be provided using a quarter-turn full flow ball valve, controlled from the pump operator's panel.

DISCHARGES

Does Your Bid Comply?

YES NO

There shall be three (3) 2 ½" discharges located on the apparatus with quarter turn ball valves with a 30-degree elbow turn downs.

Two (2) 2 1/2" Discharge on Driver Side pump operator's panel.

One (1) 2 1/2" Discharge on Passenger Side pump panel.

175" DOUBLE CROSS LAYS

Does Your Bid Comply?

YES NO

Two (2) 1.75 crosslays shall be located above pump compartment and ahead of apparatus body. Each crosslay shall have one 2" (5.08cm) valve. The crosslays shall be controlled at the pump panel with a chrome handle. There shall be a 2-½" (6.35cm) individual line gauge and ¼" quarter-turn drain valve provided for each crosslay valve. Two (2) crosslay beds shall be capable of carrying 200' of 1.75" double jacket hose.

CROSSLAY COVER

Does Your Bid Comply?

YES NO

There shall be a diamond plate cover provided over the cross lays for a cover to meet NFPA requirements. The cover shall have a rear mounted stainless-steel hinge and rubber bumpers to prevent damage to body. There shall be a Red vinyl cover provided on each end of the aluminum top for side securement. The Red vinyl shall be secured with Velcro retainers.

REAR HOSE REEL

Does Your Bid Comply?

YES NO

A 1 1/2" booster reel discharge shall be plumbed from the pump to the booster reel. The booster reel discharge shall be plumbed from the valve to the hose reel utilizing 1" high pressure hose. The end of the hose connected to the hose reel shall be equipped with a swivel end for ease in hose replacement. A 1 1/2" Akron, #8800 series, full flow, stainless steel ball valve shall be provided for the booster reel #1 discharge. The reel shall be mounted between the rear frame rails with four (4) way roller capture provided to prevent hose or paint damage. There shall be 150' of 1.0" red line hose and adjustable gallonage nozzle provided with nozzle clip on the apparatus.

INDIVIDUAL DRAINS

Does Your Bid Comply?

YES NO

All 2" (5.08cm) or larger discharge outlets shall be equipped with a ¼" ball valve drain valve or larger.

MASTER DRAIN

Does Your Bid Comply?

YES NO

A master drain will have the capacity to drain the pump. The drain to be located on the pump panel.

DISCHARGE GAUGES

Does Your Bid Comply?

YES NO

Individual Class 1 2-½ (6.35 cm) line gauges for each 2" (5.08 cm) or larger discharge shall be provided and mounted adjacent to the discharge valve control handle. The gauges shall be white-faced, Interlube filled pressure gauges and handle pressures from 0 to 400 PSI. The pressure gauge 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 insulating 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.

PUMP TEST

A complete U.L. pump certification shall be included with truck at delivery.

Does Your Bid Comply?

YES NO

PUMP PANEL LIGHTS

Pump panel lighting shall be provided for a side mount pump module in accordance with NFPA. The driver and passenger side pump control panel shall have two (2) lights with clear lenses mounted under an aluminum light shield that is directly mounted above the driver side pump panel.

Does Your Bid Comply?

YES NO

POWER TAKE OFF (PTO)

A Chelsea hot shift Power Take Off shall be provided to drive the Hale MBP-750 pump. The PTO shall be controlled by an electric "Hot-Shift" lighted rocker switch on the cab dash.

Does Your Bid Comply?

YES NO

PUMP HOUSE

The pump house shall be a Class A Style Pump House.

Does Your Bid Comply?

YES NO

PUMP PANEL MATERIAL

The left side operator's panel, gauge panel, right side pump panel shall be fabricated from brushed stainless steel.

Does Your Bid Comply?

YES NO

PANEL FASTENERS

Stainless steel machine screws and lock washers shall be used to hold these panels in position. The panels shall be easily removable to provide complete access to the pump for major service.

Does Your Bid Comply?

YES NO

CAPS AND ADAPTERS SAFETY TETHER

All applicable discharge and suction caps, plugs and adapters shall be equipped with chrome plated ball chain or double looped coil chain and secured to the vehicle.

Does Your Bid Comply?

YES NO

OFFICER SIDE PUMP PANEL LIGHTING

The officer's side pump panel and running board shall be illuminated by using a minimum of two (2) Whelen clear lens lights under a polished stainless-steel light shield. The shield shall be full width of control panel and shall be positioned to cover the lights and prevent glare.

Does Your Bid Comply?

YES NO

TPG

The kit shall be equipped with a Class 1 TPG Engine Information Display for the pump operator's panel. The TPG shall provide engine RPM, system voltage display and alarm, engine oil pressure display and alarm, and engine temperature display and alarm. The TPG is available in English and Metric and utilizes SAE J-1587 data bus for its information and does not require any additional sensors to be mounted.

Does Your Bid Comply?

YES NO

MASTER GAUGES

One (1) 4-1/2" diameter pressure gauge (labeled: "PRESSURE") and one (1) 4-1/2" diameter compound vacuum gauge (labeled: "INTAKE") shall be provided. The master gauges shall be Class One Sub-Z II, silicone filled. The gauge faces shall be white with black numerals.

Does Your Bid Comply?

YES NO

PRESSURE & COMPOUND GAUGE RANGES

All applicable pressure gauges shall have a range of 0 -400 P.S.I., and the compound gauge shall have a range of 30" - 0 - 400 P.S.I.

Does Your Bid Comply?

YES NO

ITL-40 TANK LEVEL GAUGE

The apparatus shall be equipped with a Class I "ITL-40" Tank Level Gauge for indicating water or foam level. The Tank Level Gauge shall indicate the liquid level or volume on an easy to read LED display and show increments of 1/8 of a tank.

Does Your Bid Comply?

YES NO

Each tank level gauge system shall include:

- 1) A pressure transducer that is mounted on the outside of the tank in an easily accessible area. Sealed foam tanks will require zero pressure vacuum vents.
- 2) A super bright LED display viewable from 180 degrees with a visual indication at nine accurate levels.

- 3) A set of weather resistant connectors to connect to the digital display, to the pressure transducer and to the apparatus power. Additional (slave) displays (if requested) are to be easily integrated and will receive data from the same source as the Master Display. No additional transducers shall be required.
- 4) The system shall include the ability to display "text messages"
- 5) The system shall include built-in diagnostic capabilities.

IN-CAB TANK LEVEL GAUGE

Does Your Bid Comply?

YES NO

An additional slave display is to be integrated and will receive data from the same source as the master display and included in the console control. No additional transducers shall be required.

WHELEN PS TANK GAUGES

Does Your Bid Comply?

YES NO

There shall be three (3) additional water level indicator, Whelen, Model: PSTANK, LED module, installed Side of the pump module and rear of the apparatus.

This light module shall include four (4) colored levels, and function similar to the water level indicator located at the operator's panel:

- First green module indicates a full water level.
- Second blue module indicates a water level above 3/4 full.
- Third amber module indicates a water level above 1/2 full.
- Last red module indicates a water level above 1/4 full and empty.
- o Above 1/4 this light shall be steady burning.
- o At empty this light shall be flashing.

This module shall be activated when the parking brake is set.

PUMP TEST

Does Your Bid Comply?

YES NO

A complete U.L. pump certification shall be included with truck at delivery.

COLOR CODED PUMP PANEL LABELING AND NAMEPLATES

Does Your Bid Comply?

YES NO

Safety, information, data, and instruction labels for apparatus shall be provided and installed at the operator's instrument panel. The labels shall include rated capacities, pressure ratings, and engine speeds as determined by the certification tests. The no-load governed speed of the engine, as stated by the engine manufacturer, shall also be included. Discharge and intake valve controls shall be color coded in compliance to guidelines of applicable sections of NFPA standards.

The following discharges shall have these special colors per the FD:

Red: Cross Lay #1 — Blue: Cross Lay #2 — Yellow: Front-Bumper Discharge.

PUMP ANODES

Does Your Bid Comply?

YES NO

There shall be sacrificial, zinc anodes in the pump steamer ports which shall protect the pump and piping from electrolysis. These anodes shall also act as screens.

PUMP HEATER AND HEAT PAN

Does Your Bid Comply?

YES NO

There shall be two (2) 20,000 BTU/HR or greater pump house heaters is installed in the pumphouse, controlled by a switch on the pump panel. There shall be a 1/8" aluminum heat pan installed below the pump compartment for cold weather operations. The heat pan shall be designed to be removable in case of need to service pump.

12 VOLT ELECTRICAL SYSTEM

Does Your Bid Comply?

YES NO

The 12-volt apparatus body electrical system shall be provided and shall be in compliance with NFPA 1901 testing and certification procedures. All body electrical equipment installed by the apparatus manufacturer shall conform to current automotive electrical system standard, the latest Federal DOT standards and the requirements of the applicable NFPA Apparatus Standard. The electrical system shall include all panels, electrical components, switches and relays, wiring harnesses and other electrical components. The electrical equipment installed by the apparatus manufacturer shall

conform to current automotive electrical system standards, the latest Federal DOT standards, and the requirements of the applicable NFPA standards. All wiring shall be stranded copper or copper alloy conductors of a gauge rated to carry 125 percent of the maximum current for the protected circuit. Voltage drops in all wiring from the power source to the using device shall not exceed 10 percent. The wiring and wiring harness and insulation shall be in conformance to applicable SAE and NFPA standards. The wiring harness shall conform to SAE J-1128 with GXL temperature properties. All exposed wiring shall be protected in a loom with a minimum 289-degree Fahrenheit rating. All wiring looms shall be properly supported and attached to body members. The electrical conductors shall be constructed in accordance with applicable SAE standards, except when good engineering practice requires special construction. The wiring connections and terminations shall use a method that provides a positive mechanical and electrical connection and shall be installed in accordance with the device manufacturer's instructions. Electrical connections shall be with mechanical type fasteners and large rubber grommets where wiring passes through metal panels. There shall be no exposed electrical cabling, harnesses, or terminal connections located in compartments, unless they are enclosed in a junction box or covered with a removable electrical panel. The wiring shall be secured in place and protected against heat, liquid contaminants and damage. Wiring shall be uniquely identified every three-inches (3") by color coding and electrical wiring schematic per requirements of applicable NFPA #1901 standards. The electrical circuits shall be provided with low voltage over current protective devices. Such devices shall be accessible and located in required terminal connection locations or weather resistant enclosures. The over current protection shall be suitable for electrical equipment and shall be automatic reset type and meet SAE standards. All electrical equipment, switches, relays, terminals, and connectors shall have a direct current rating of 125 percent of maximum current for which the circuit is protected. The system shall have electro-magnetic interference suppression provided as required in applicable SAE standards.

12 VOLT ELECTRICAL SYSTEM TESTING

Does Your Bid Comply?

YES NO

The apparatus low voltage electrical system shall be tested and certified by the apparatus manufacture. The certification shall be provided with the apparatus. All tests shall be performed with air temperature between 0°F and 100°F.

DOT MARKER LIGHTS AND REFLECTORS

Does Your Bid Comply?

YES NO

Cab marker lights and signaling devices shall be as provided on the commercial chassis cab from the original chassis manufacturer. FMVSS reflectors shall be also be provided as required.

LICENSE PLATE LIGHT & BRACKET

Does Your Bid Comply?

YES NO

One (1) license plate light and bracket shall be provided above the mounting position of the license plate. The light shall be clear in color.

LED STOP, TAIL, TURN AND BACK-UP LIGHTS

Does Your Bid Comply?

YES NO

Two (2) LED red combination tail and stop lights shall be mounted one each side at the rear of the body.

Two (2) LED amber arrow turn signal lights, shall be mounted one each side, on a vertical plane with the tail/stop lights.

Two (2) white halogen back-up lights, shall be mounted one each side on a vertical plane with the turn/tail/stop signals.

These lights shall activate when the transmission is placed in reverse gear.

Two (2) cast aluminum mounting flanges, installed one (1) on each side, shall be provided to mount the lights described above in one common mounting flange. The fourth opening shall be for the lower rear warning lights.

STEP LIGHTS

Does Your Bid Comply?

YES NO

Chrome plated, shielded chassis and body step lights shall be provided and controlled with marker light actuation. Step lights shall be located to properly illuminate all body and chassis access steps and walkway areas.

CAB PERIMETER SCENE LIGHTS

Does Your Bid Comply?

YES NO

There shall be four (4) Techniq E-100 white LED lights with grommets provided, one (1) for each cab door and one each side under the front bumper area. The lights shall be activated by the park brake signal of the chassis.

PUMP HOUSE PERIMETER LIGHTS

Does Your Bid Comply?

YES NO

There shall be two (2) Techniq E-100, white LED lights with grommets provided under the pump walkway steps, one (1) each side. The lights shall be activated by the park brake signal of the chassis.

BODY PERIMETER SCENE LIGHTS

Does Your Bid Comply?

 YES NO

There shall be two (2) Techniq E-100, white LED lights with grommets provided under at the rear step area of the body, one (1) each side shining to the rear. The lights shall be activated by the park brake signal of the chassis.

NFPA LIGHTING PACKAGE

Does Your Bid Comply?

 YES NO

The following warning light package shall include all of the minimum warning light and actuation requirements for the current revision of the NFPA 1901 Fire Apparatus Standard.

CENTER CONSOLE

Does Your Bid Comply?

 YES NO

There shall be a custom-made aluminum center console mounted between cab seats with all emergency switches and controls. Center console shall be constructed of aluminum with hinged lid. The center console of the cab will serve as the central junction box for all electrical circuits, housing all terminal connection strips, circuit breaker, relays and related switch control components. This serves as a more weather resistant location and provides ease of access. All electrical equipment shall be installed to conform to the latest federal standards as outlined in NFPA 1901. Console shall be as large as possible and fabricated of 1/8" smooth aluminum and extend from below shift pad to rear wall of chassis. A Black Zolotone paint finish shall be provided for durability and finished appearance. The forward portion of console shall be slanted for easy viewing of the siren and radio equipment. The area shall be within easy access to both Driver and Officer.

NFPA LIGHTING PACKAGE-LED

Does Your Bid Comply?

 YES NO

The fully compliant NFPA lighting package meets the entire zone requirement of the latest 1901 standards. Complete light package shall be hard wired and color coded for ease of maintenance and care, multi-plex systems will not be accepted as options.

CAB ROOF LIGHTBAR

Does Your Bid Comply?

 YES NO

One (1) 56.00" Whelen, Justice LED lightbar shall be mounted on the cab roof.

This lightbar shall include the following:

- Four (4) red flashing CON3 LED modules facing forward.
- Two (2) white flashing CON3 LED modules facing forward.
- Two (2) red flashing LIN6 LED modules one (1) in each front corner.
- Two (2) red flashing LIN6 LED modules, one (1) in each rear corner.

All lenses shall be clear. There shall be a switch located in the cab on the switch panel to control the light bar. To meet NFPA requirements, all white warning lights shall be when the parking brake is applied.

L31 SERIES L.E.D. BEACON – L31H5FN

Does Your Bid Comply?

 YES NO

The apparatus will have two flat permanent mount 360° Red linear L.E.D. Beacons, with a Clear outer dome. The beacon is ~~designed with a rugged and low profile, features built-in flashers with two NFPA compliant selectable flash patterns,~~ Hi/Low intensity, built-in cruise lights and synchronization feature. The beacon can be configured to alternately or simultaneously flash multiple patterns with up to eight additional Whelen Super-LED 360° beacons. NFPA Compliant.

FRONT WARNING LIGHTS

Does Your Bid Comply?

 YES NO

A pair of surface mounted Whelen 900 Series Super LED flashing lights will be provided on the grille. The color of these lights will be red with Clear Lens. These lights will be installed with a plastic, chrome-plated flange.

SIDE ZONE LOWER LIGHTING

Does Your Bid Comply?

 YES NO

Four (4) Whelen 600 Series LED lights will be located at the following positions:

Two (2) lights, one (1) each side on the front bumper extension on the side facing diamond plate. The color of these lights will be Red LED/clear lens. These lights will be provided with a chrome plated ABS plastic flange

Two (2) lights, one each side in the rear wheel well area. The color of these lights will be Red LED/clear lens. These lights will be provided with a chrome plated ABS plastic flange

REAR ZONE LOWER LIGHTING

Does Your Bid Comply?

 YES NO

Two (2) Whelen 600 Series LED warning lights will be located at the rear of the apparatus, required to meet or exceed the lower level optical warning and optical power requirements of NFPA. The color of these lights will be Red LED/clear lens. These lights will be provided with a chrome plated ABS plastic flange.

SCENE LIGHTS

Does Your Bid Comply?

 YES NO

There will be one (3) pairs of Whelen®, Model 600 rectangular halogen scene lights installed. Two (2) installed on each side and two (2) installed rear of the truck. The lights shall be mounted on spacer bezels as required. These lights will be mounted on a 13-degree angle. They will be wired to be controlled for each side will be individually operated by a switch in the cab. Two mounted on each side of apparatus front and rear of tank. There shall be two mounted in rear corners of tank. Lights shall have switches and labels mounted in cab for easy usage.

DOT MARKER LIGHT PACKAGE

Does Your Bid Comply?

 YES NO

L.E.D. DOT clearance lights and reflectors shall be installed in conformance to the latest Federal DOT standards.

EXTERIOR LIGHTING

Does Your Bid Comply?

 YES NO

Exterior lighting shall meet or exceed Federal Department of Transportation., Federal Motor Vehicle Safety Standards and National Fire Protection Association requirements in effect at time of proposal.

SIREN

Does Your Bid Comply?

 YES NO

There shall be one (1) Whelen 295 SDA full feature siren provided in the cab center console. There shall be a microphone hardwired to the unit for the PA function. The siren head shall have all emergency controls embedded in siren face including three position activation switch and eight individual switches. The siren shall have the following available tones: Tone off, Wail, Phased wail, Wail 2, Yelp, Phased Yelp, Yelp 2, Yelp 249, Piercer, Hi-lo, Mechanical, Phased Mechanical, Mechanical 2, Warble, Phased Warble, Woop, Phased Woop, Wail Yelp combo, Wail Yelp Combo 2. The siren head shall have all emergency switches embedded in siren face.

ONE (1) SIREN SPEAKER

Does Your Bid Comply?

 YES NO

There shall be one (1) 100-watt speaker mounted behind the front bumper of the cab and wired to the siren.

REAR VISION CAMERA

Does Your Bid Comply?

 YES NO

There shall be One (1) Cab CAM Wired Video System which shall include a 7" Monitor and 1 Camera. The Waterproof Cameras shall be: CCD Color with Audio, 28 Infrared Illuminators Allow up to 32 feet of Visibility in the Dark, Image Mirroring Function, Made to Withstand Off-Road Conditions. In cab 7" Color TFT LCD Monitor: Embedded Control Box for Direct Power Input for Cameras, AV2 Video Input for DVD/ VCR, AV1 and AV3 Video Input to Hook up to 3 Cameras. The camera shall be located in the rear center of the apparatus.

BACK-UP ALARM

Does Your Bid Comply?

 YES NO

A solid-state back-up alarm shall be provided and installed at the rear of the apparatus under the tailboard. The back-up alarm shall activate automatically when the transmission is placed in reverse gear and the ignition is "on".

RADIO ANTENNA MOUNT

Does Your Bid Comply?

 YES NO

There will be one (1) standard 1.125", 18 thread antenna-mounting base(s) installed on the cab roof with high efficiency, low loss, coaxial cable(s) routed to the console. A weatherproof cap will be installed on the mount. An eight (8) inch minimum, metallic ground plane will be installed inside the roof beneath each antenna mount.

SCOTCH-LITE STRIPE

Does Your Bid Comply?

 YES NO

A six (6) inch high "Scotch-Lite" stripe shall be provided with a 1" gap and then 1" stripe provided. The stripe shall be applied on a minimum of 60 percent of each side of the unit, 60 percent on the rear of the unit and 40 percent on the front of the unit. The Scotch Lite stripe layout shall be determined by the Fire Department. The Scotch-Lite shall be White in color.

FRONT CAB LETTERING

Does Your Bid Comply?

 YES NO

24K Engine Turned Gold Leaf with drop shadow lettering shall be provided on the cab drivers and officer's doors per the fire department requirements. The design of the lettering on the cab doors shall be designed to fit in the area available. Lettering provided on the driver's and officer's cab doors shall be 3" high.

There shall also be a 24K Engine Turned gold leaf Pin Stripe Provided on the Cab at the Paint Break Line.

REAR BODY CHEVRONS

Does Your Bid Comply?

YES NO

Chevron striping shall be applied to the entire rear wall. The chevrons shall consist of 6" wide reflective striping at 45-degree angles from the tailboard in an inverted "V" pattern coming down from the center. The stripes shall alternate red reflective, yellow reflective, red reflective, etc....

MISCELLANEOUS HARDWARE

Does Your Bid Comply?

YES NO

One bag of miscellaneous hardware shall be supplied with the finished apparatus. This hardware shall consist of nuts, bolts, screws, washers, etc. used in the manufacture of the apparatus.

TWO-TONE CAB

Does Your Bid Comply?

YES NO

The cab shall be painted two-tone by the apparatus manufacturer. The top portion of the cab from the bottom of the windshield up shall be painted Bright White and the Lower Section Red. Red Paint will be color matched to existing apparatus paint codes..

BODY PAINT

Does Your Bid Comply?

YES NO

The apparatus body shall be painted Red.

TOUCH-UP PAINT

Does Your Bid Comply?

YES NO

A container of touch-up paint will be provided to match the cab color.

SPANNER WRENCH SETS

Does Your Bid Comply?

YES NO

There shall be three (3) triple set hydrant wrenches provided and installed on the apparatus, one each side and one rear.

DUMP TANK

Does Your Bid Comply?

YES NO

There shall be one (1) 2100 Gallon Dump Tank provided on the completed apparatus, aluminum frame with red vinyl.

WARRANTY {ONE YEAR}

Does Your Bid Comply?

YES NO

A one (1) year new vehicle warranty will be provided, upon delivery and acceptance of the vehicle. The warranty will ensure that the vehicle has been manufactured to the contract specifications and will be free from defects in material and workmanship that may appear under normal use and service within the warranty period. The warranty may be subject to different time and mileage limitations for specific components and parts. This warranty is issued to the original purchaser of the vehicle.

The warranty will not apply to any parts or components that are warranted directly by their manufacturers. The warranty will not apply to routine maintenance requirements as described in the service and operator's manual. No warranty whether expressed, implied, statutory or otherwise including, but not limited to any warranty of merchantability or fitness for purpose will be imposed.

The manufacturer or representative will be notified in writing within the warranty period of any failure of the vehicle to comply with the specified warranty. If requested, the purchaser will promptly return the apparatus, component or part to the manufacturer for inspection of any defect in material or workmanship occurring within the applicable time limits.

The manufacturer will either repair or replace any defective components or parts. Repair or replacement of the defective item will be at the sole discretion of the manufacturer. The Basic Vehicle Warranty covers all components and parts unless specifically covered by other descriptions or otherwise excluded herein. Repair or replacement of components will be done without cost to the purchaser when performed within the warranty period. Warranty repairs will not constitute an extension of the original warranty period, either for the entire apparatus or any specific components or parts.

The warranty will be inclusive and in lieu of all other warranties whether written, oral or implied, including but not limited to any warranty of merchantability or fitness for purpose. The warranty will be void and the manufacturer will not be obligated to repair or replace any component or part where the necessity of such replacement or repair, in the opinion of the manufacturer, is due in whole or in part to loads in excess of factory rated capacities, modification or alteration, accident or other misuse or abuse of the vehicle. In no event will the manufacturer be liable for special or consequential

damages including
but not limited to injuries to persons or damage to property or loss of vehicle use.

The apparatus will be maintained and serviced, by the purchaser, according to the prescribed schedules outlined in the operators and service manuals. As a condition of the warranty the manufacturer may require that receipts or other evidence be provided to verify that maintenance and service has been performed.

COMPONENT WARRANTY INTERVALS

COMMERCIAL CHASSIS

Does Your Bid Comply?

YES NO

The commercial chassis and all of the chassis related components will only be covered by the Chassis Manufacturer's warranty as provided to the vehicle manufacturer. A copy of the chassis manufacturer's warranty will be supplied to define additional details of the warranty provisions.

ITEMS EXCLUDED FROM WARRANTY

Does Your Bid Comply?

YES NO

To better understand the warranty, the following is a description of some conditions that are not covered by this warranty.

LOOSE FASTENERS:

Nuts, bolts and screws may loosen due to road shocks, engine vibration, etc. Maintaining necessary tightness is your responsibility.

Glass and lens breakage and scratches.

Chrome, aluminum, or stainless components with bright finishes - general rust and/or staining, bluing or yellowing, rust pits and/or nicks caused by road debris, streaks, stains and corrosion caused by severe wash solutions or road salts.

OTHER: Some further examples that we are not responsible for are as follows: Traveling expense; Road calls; Unauthorized towing charges; Accident repairs, loss of apparatus use; Communications charges; Cost of rental equipment; Repair or replacement of items not furnished or installed by us. Road tests or Dynamometer testing.

Tires are covered by their respective manufacturer's warranty.

MODIFICATIONS TO ORIGINAL EQUIPMENT

Does Your Bid Comply?

YES NO

If dealers or customers cause any vehicle modifications or equipment installations to be performed and these modifications or installations adversely affect other vehicle components or vehicle performance, we will not accept any product liability or claims under the terms of this warranty. These claims and any required repairs would be the responsibility of the person doing the modification or installation.

CHANGES IN COMPONENT SPECIFICATIONS

Does Your Bid Comply?

YES NO

Specifications for components (make or model) installed on the apparatus, manufactured by companies other than the apparatus manufacturer are subject to change without notice. Specifications for such components will be as available at the time of manufacture of the apparatus. The apparatus manufacturer will not be held liable for any specification deviations from original contract specifications on such components made by the original component manufacturer.

CORROSION WARRANTY

Does Your Bid Comply?

YES NO

The proposed body will be warranted against rust-through or perforation, due to corrosion from within, for a period of ten (10) years. Perforation is defined as a condition in which an actual hole occurs in a sheet metal panel due to rust or corrosion from within. Surface rust or corrosion caused by chips or scratches in the paint are not covered by this warranty.

BODY WARRANTY

Does Your Bid Comply?

YES NO

The manufacturer warrants to the original purchaser only, that the all aluminum body, under normal use and with reasonable maintenance, be structurally sound and will remain free from corrosion perforation for the Lifetime of Use at Purchasing Department.

This warranty does not apply to the following items that are covered by a separate warranty: paint finish, hardware, moldings, and other accessories attached to this body. In addition, this warranty does not apply to any part or accessory

manufactured by others and attached to this body.

THE MANUFACTURER MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, WITH RESPECT TO THE ALUMINUM BODY AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND HEREBY DISCLAIMED.

The manufacturer will replace without charge, repair or make a fair allowance for any defect in material or workmanship demonstrated to its satisfaction to have existed at the time of delivery or not due to misuse, negligence, or accident. If the manufacturer elects to repair this body, the extent of such repair shall be determined solely by the manufacturer, and shall be performed solely at the manufacturer's factory, or at an approved facility. The expense of any transportation to or from such repair facility shall be borne by the purchaser and is not an item covered under this warranty.

The manufacturer will not be liable for damages and under no circumstances will its liability exceed the price for a defective body. The remedies set forth herein are exclusive and in substitution for all other remedies to which the purchaser would otherwise be entitled.

The manufacturer will be given a reasonable opportunity to investigate all claims. The purchaser must commence any action arising out of, based upon or relating to agreement or the breach hereof, within twelve months from the date the cause of the action occurred.

PAINT FINISH WARRANTY

Does Your Bid Comply?

YES NO

The proposed paint finish will be warranted for a period of ten (10) years from the date of acceptance of the unit. Details of warranty coverage, limitations and exclusions are included in the specific warranty document.

WATER TANK (LIFETIME)

Does Your Bid Comply?

YES NO

The proposed water tank will be warranted by the water tank manufacturer for the lifetime after in service date. A copy of the manufacturer's warranty will be supplied to define additional details of the warranty provisions.

STAINLESS STEEL PLUMBING

Does Your Bid Comply?

YES NO

The pump shall have a ten (10) year plumbing warranty from Manufacturer.

HALE FIRE PUMP (FIVE/YEAR)

Does Your Bid Comply?

YES NO

Hale hereby warrants to the original buyer that products manufactured by Hale are free of defects in material and workmanship for a period of five (5) years from the date the product is first placed into service, parts and labor.

Loose Equipment

Does Your Bid Comply?

YES NO

All loose equipment to be mounted upon consultation with the department after award of the bid.

Two (2) 8' pike pole

~~One (1) 10' pike pole~~

One (1) 6 lb. flat head axe with fiberglass handle with mounting brackets

One (1) 6 lb. pick head axe with fiberglass handle with mounting brackets

One (1) Halligan tool with mounting brackets

Two (2) StreamLight LightBox hand lights with truck mounting charging brackets

One (1) double female 2 1/2"

One (1) double male 2 1/2"

One (1) reducers from 2 1/2" to 1 1/2"

One (1) brackets to hold connectors

One (1) TFT low level strainer

Special Conditions

A. Workmanship – Workmanship shall be of the best known to the trades. Whenever any work is rejected by the OWNER, such rejected work shall be removed at once and shall be replaced with work conforming to the requirements of the Contract Documents.

B. Notices – The CONTRACTOR shall keep the OWNER advised on a monthly basis as to work schedule.

C. Observations and Testing – All work performed and all material and equipment furnished by the CONTRACTOR shall strictly conform to the drawings and specifications. Competent labor, mechanics, and tradesmen shall be used on all work.

The acceptance at any time of the materials by or in behalf of the OWNER from future rejection if they are subsequently found to be defective or inferior in quality or uniformity to the material specified.

Whenever any material shall be rejected by the OWNER, such material shall be removed at once from the line of work at the CONTRACTOR'S expense, and shall not be brought back.

The OWNER shall have the right to observe and witness routine testing of all work and materials covered by these specifications. The OWNER shall have the right to approve the manner in which special or requested tests are conducted.

Any inspections, tests, or approval of waiver of tests shall not in any way relieve the CONTRACTOR of full responsibility for furnishing materials meeting the guaranteed performance and requirements of the Contract.

D. Progress and Completion – The work shall be commenced any time after the issuance of the notice to proceed and the CONTRACTOR shall complete all work within the number of calendar days stated in the proposal after such notice. Upon acceptance of bid, a late fee penalty will be agreed upon by both parties.

E. Liquidated Damages – The OWNER reserves all rights and remedies he may have against the CONTRACTOR for breach of Contract.

F. Taxes – CONTRACTOR shall without additional expense to the OWNER, pay applicable Federal, State and Local taxes of every kind and character, except taxes and assessments on the real property comprising the site of the project, and such taxes shall be considered incidental and included in the total bid.

CONTRACTOR shall furnish the OWNER with statements evidencing payment of any sales, use of excise tax and such other documents as are necessary for the OWNER to make request for tax refund as provided by law. Such statements and documents shall be furnished to the OWNER in quintuplicate before final payment on the contract is made to the CONTRACTOR.

G. Guarantee Period – The CONTRACTOR guarantees all work constructed under the

contract against defects in material and workmanship for a period of one (1) year from the date of final acceptance. The CONTRACTOR shall bear the entire cost and expense of all repairs which may, from imperfection in work or material, become necessary within that time. The CONTRACTOR shall bear the entire cost and expense of all repairs required as a result of failure during the guarantee period. If the CONTRACTOR shall not proceed to remedy such defect or deficiencies called to his attention within to (10) days after written notice from the OWNER, the OWNER shall cause the repairs to be made as the OWNER deems best and the entire cost thereof shall be paid by the CONTRACTOR.

H. Assignments – The CONTRACTOR shall not assign whole or any part of this contract or any moneys due to become due hereunder without written consent of the OWNER. In case the CONTRACTOR, with consent of the OWNER, assigns all or any part of the moneys due or to become due under this contract, the instruments of assignment shall contain a clause substantially to the effect that it is agreed that the right of the assignee in and to any moneys due or to become due to the CONTRACTOR shall be subject first to prior liens of all person, firms, and corporations for the payment of all laborers and mechanics for labor that shall be performed and for the payment of material and equipment rental which is actually used or rented in the performance of the contract and also subject to any liens or amounts due the State or Federal Government or any of their funds.

I. Applicable Codes and Regulations – All work shall conform to the requirements of all National, State or local laws, ordinances, building codes or other regulations that are in effect at the place of work.

J. Equipment Drawings – Preliminary drawings showing principal dimensions of the equipment shall be submitted with each copy of the bidder's proposal at the time bids are opened. Two copies of each drawing required to show detailed arrangements of equipment, principal dimensions and wiring shall be submitted by the CONTRACTOR to the City for approval within sixty (60) calendar days after the date that the CONTRACTOR is awarded, and sooner if possible. If the drawings are approved by the City, one copy of each drawing will be kept for reference purposes and one copy bearing the City's approval will be returned to the CONTRACTOR. If the drawings are not approved, one copy showing the reasons for disapproval will be returned to the CONTRACTOR, who shall make the required corrections. The CONTRACTOR shall then submit two copies of the "As Built" drawings. Approval of any drawings by the City will not relieve the CONTRACTOR of responsibility or accuracy and correctness of his work or for the construction and successful performance of the equipment furnished by him.

K. Correspondence – Correspondence forwarding drawings, instruction manuals and other engineering data shall be addressed as follows:

**Seward Volunteer Fire Department
222 N. 3rd Street
Seward, Nebraska 68434
Attn: James Kimsey, Chief**

All correspondence, drawings and instruction manuals shall be identified with the purchaser's name, bill of material and manufacturer's order number.

- L. Delivery** – The apparatus shall be delivered under its own power, via road to the Seward Volunteer Fire Department, 222 N. 3rd St. Seward, Nebraska. Delivery by rail or truck freight is not acceptable. The City and its approved Acceptance Authority shall be notified a minimum of seven (7) days prior to anticipated delivery. The apparatus shall be F. O. B. Seward, Nebraska.
- M. Manuals and Instructions** – Upon completion of the apparatus, the CONTRACTOR shall furnish the OWNER and Acceptance Authority two (2) copies, one each of maintenance and operating instructions for mechanical, electrical or other such operable components of the Fire/Rescue apparatus.
- N. Liability** – The CONTRACTOR shall defend any and all suits and assume liability for the use of any patented process, device or article forming a part of the fire/rescue apparatus or associated equipment.

Contract Stipulations

- A. General** – The following provisions are agreed to by and between the CONTRACTOR and OWNER.
- B. Definitions** – Wherever any word or expression listed below, or pronoun used in its stead, occurs in these documents, it shall be defined as follows:
1. **“CONTRACT”** shall include all of the documents comprised of Invitation to Bid, Instructions to Bidders, Contract Stipulations, Technical Provisions, Special Conditions, General Conditions, Certificate of Insurance, Proposal and Contract.
 2. **“CONTRACTOR”** shall mean the party entering into agreement for the performance of the work covered by this contract and his duly authorized agents or legal representatives.
 3. **“OWNER”** shall mean The City of Seward, Nebraska.
 4. **“PROJECT”** shall mean the entire construction to be performed as provided in the contract documents.
- C. The Owner** – The OWNER retains and shall execute ultimate authority or matters left to the discretion and direction of the OWNER. The OWNER may directly instruct the CONTRACTOR where the CONTRACTOR'S action might adversely affect the OWNER'S other operations, property or obligations beyond those conditions considered normal to the services required of the CONTRACTOR under these documents. The OWNER shall designate a project representative to act on its behalf in normal dealing with the CONTRACTOR. This representative shall have authority to act for and on behalf of the OWNER within the limitations of applicable law and published statements of authority. The OWNER shall have the right to perform other work and furnish such material and equipment on the project of which this contract is a part and which is not obligated to the CONTRACTOR hereunder.
- D. The Contractor** – The CONTRACTOR shall cooperate with the OWNER, and other contractors in achieving the expressed intent of these documents and in obtaining a workable, reliable and efficient installation. Insofar as is applicable, it is understood the CONTRACTOR has satisfied himself as to the nature and location of the work, the conformation of the ground, the character, quality and quantity of the materials to be encountered, the character of the equipment and facilities specified preliminary to and during the prosecution of the work, the general local conditions and all local matters which can in any way affect the work under this contract and that no conversation with any officer, agent, or employee of the OWNER, either before or after the execution of this contract, shall affect or modify any of the terms or obligations herein contained. Neither party to this contract shall assign or transfer this contract, nor any moneys due there under, without the written consent of the other party and of the Surety. The CONTRACTOR is encouraged to present to the OWNER any suggestions which may help accomplish the intent of these documents.
- E. Payments** – The CONTRACTOR shall receive 90 percent of the contract price upon completion or his work. The remaining 10 percent will be made after final approval by the OWNER and TRUCK COMMITTEE.

General Conditions

INSURANCE

A. Contractors Liability Insurance

1. During the term of this contract, the CONTRACTOR shall maintain such insurance as will protect him from claims as set forth below which may arise out of or result from the CONTRACTOR'S operations under the contract, whether such operations be by himself or by a subcontractor or subcontractor or anyone directly or indirectly employed by any of them, or by anyone for whose acts any of them may be held liable:

- a. for claims arising under any workman's compensation, employers liability, or any similar employee benefit acts:
- b. for claims because of bodily injury, sickness, disease or death of any person or persons other than his employees, and for claims because of damage to or destruction of property or other resulting therefrom, including loss of the thereof.

2. Such insurance shall be written for amounts not less than the following a respects subparagraph (a) above:

Workman's Compensation Statutory
Employers Liability \$100,000 Each Occurrence

and as respects subparagraph (b) above:

Bodily Injury and Property
Damage with a Combined
Single Limit of Liability
Of \$100,000 Each Occurrence

Or

Bodily Injury
General and Automobile \$500,000 Each Person
General and Automobile \$1,000,000 Each Occurrence

Property Damage
General and Automobile \$500,000 Each Occurrence
General \$500,000 Aggregate

3. The Insurance referred to in subparagraph (b) above shall be written under the Comprehensive General and Comprehensive Automobile Liability policy forms, including coverage for all owned, hired, and non-owned automobiles. The CONTRACTOR may at his option provide the limits of liability as set out above by a combination of the above-described policy forms and an Umbrella Excess liability Policy.

4. It is the condition of the contract that the policy or policies afford coverage for damage to property of others arising out of the perils of Explosion and Collapse and it is a further condition that the policy or policies afford the same limits of liability as set out above for

liability assumed under contract including CONTRACTUAL LIABILITY as set out in paragraphs 6.30, 6.31, 6.32, of the General Conditions (N.S.P.E. Document No. 1910-9) "INDEMNIFICATION", as modified. It is a condition of the contract that the policy or policies afford BROAD FORM PROPERTY DAMAGE LIABILITY COVERAGE for damage to property of others in the care, custody, or control of the insured, or as to which the insured is for any purpose exercising physical control.

5. All responsibility for payment of any sums resulting from and deductible provision, corridor, or self-insured retention conditions of the policy or policies shall remain with the CONTRACTOR.

6. It is a condition of the contract that the policy or policies waive any and all Government Immunity as a defense in any action brought against the insured or any other party to the contract.

7. Approval of the insurance by the OWNER shall not in any way relieve or decrease the liability of the CONTRACTOR HEREUNDER, AND IT IS EXPRESSLY UNDERSTOOD THAT THE OWNER does not in any way represent that the above specified insurance or limits of liability are sufficient or adequate to protect the CONTRACTOR'S interest or liabilities.

8. Evidence of the above required insurance shall be furnished on the Insurance Certificate Form herein attached, and on other, unless further verification of insurance is requested by the OWNER, in which case the CONTRACTOR shall furnish verification. If the Insurance agent executing the Insurance Certificate indicates that there are special limitations on the Insurance Policy, then a copy of the policy exclusions must be submitted with the Insurance Certificate. An adequate supply of forms will be furnished to the CONTRACTOR. Proof of insurance shall be submitted directly to the OWNER for review and approval. The CONTRACTOR shall not begin any work until the OWNER has reviewed and approved the Insurance Certificates and has so notified the CONTRACTOR directly in writing. Any Notice to Proceed issued shall be subject to such approval by the OWNER.

B. Property Insurance – All responsibility for maintenance or property insurance on the work (including but not limited to Builder's Risk and Installation Floater) remains solely with the CONTRACTOR who may at his option insure against any or all perils, and such responsibility shall remain with the CONTRACTOR until such time as the work is complete and accepted in writing by the OWNER. It is a condition of the contract that the OWNER and all Contractors, Subcontractors and Sub-Subcontractors waive all rights of recovery against each other for damages caused by fire or other perils to the extent covered by any valid and collectible insurance, and further that any policy not including the standard waiver of subrogation clause be so endorsed as to comply with this paragraph.

C. No oral agreement of conversation with any officer, agent or employee of the OWNER either before or after the execution of the contract, shall modify any of the terms or obligations contained in the Contract Documents.

D. Correction of Rejected Work – The CONTRACTOR shall promptly and without expense to the OWNER:

1. Correct all work which is inferior or defective.
2. Correct all damage to the work or site cause by defective work.

Contract

This Agreement made and entered into this _____ day of _____, _____, by and between the CITY OF SEWARD, NEBRASKA, a nonprofit corporation under the laws of the State of Nebraska acting through its Board, Party of the First Part, hereinafter called the Purchaser

and _____
A _____ of _____ (CITY)
In State of _____, Party of the Second Part, hereinafter called the Contractor.

WITNESSETH: That,
Whereas, The Purchaser has caused the necessary Contract Documents to be prepared for defining a project consisting of:

WHEREAS: The Purchaser has solicited bids from Contractors, has received said bids, analyzed same bids and duly awarded a Contract to the Contractor, Party of the Second Part, for equipment and construction as hereinafter set forth and as stated more in detail in the Proposal and related Contract Documents to-wit: Invitation to Bidders; Proposal; Exceptions to Specifications; Contract Stipulations; all of which documents are attached hereto and made a part of this Contract.

NOW THEREFORE; It is hereby agreed for the sum of

_____ (Dollars)

(\$ _____) to be paid by the Purchaser, to the Contractor, the Contractor agrees to furnish all materials, and perform all work as required by the accompanying plans and specifications and the aforesaid Contract Documents.

All Materials and work shall be in accordance with the accompanying Contract Documents and plans which are as much a part of the Agreement as if repeated verbatim herein.

It is further agreed that the Contractor will start work promptly, furnish the necessary drawings promptly and complete the work in the number of days set forth in the Proposal.

IN WITNESS WHEREOF: The parties of the First and Second Parts have hereto set their hand and seals on the day and year above written.

CITY OF SEWARD, NEBRASKA
Party of the First Part

By: _____

Title: _____

ATTEST:

CONTRACTOR
Party of the Second Part

By: _____

Title: _____

Performance Bond

KNOW ALL MEN BY THESE PRESENTS: That we, _____

hereinafter called the Principal, and _____
_____ State of _____

hereinafter called the Surety, are held and firmly bound unto the CITY OF SEWARD,
NEBRASKA, herein after called the Oblige, in the full and just sum of:

_____ Dollars, lawful
money if the United States, for the payment of which, well and truly to the made, we find
ourselves, our heirs, administrators, executors, successors and assigns, jointly and
severally, firmly by these presents.

WHEREAS, the above bounded Principal has heretofore on the
_____ day of _____, _____ entered into a certain contract
with the CITY OF SEWARD, NEBRASKA, a copy of which Contract, together with its terms,
covenants, conditions and stipulations, is incorporated herein and made a part hereof as
fully and amply as if said Contract were recited at length.

NOW THEREFORE: If the above bounded Principle shall well, truly, and faithfully perform
said Contract and comply with all the terms and provisions thereof and satisfy all of the
obligations of said Principle arising there under (including the mater of infringement, if any,
of patents and covenant for replacement of defective materials and workmanship for a
period of one year after the completion of the Contract) and comply with all covenants
therein contained and contained in the specifications and other documents consisting a part
of said Contract required to be performed by said Principal in the manner and within the time
provided for in said Contract, and shall fully indemnify and save harmless said CITY OF
SEWARD, NEBRASKA from all costs and damages which said CITY may suffer by reason
of failure so to do, and shall fully reimburse and repay said COMMISSION all outlay and
expense which said CITY may incur in making good any such default and shall pay all
persons who have contracts directly with the Principal for labor and materials, if any,
included in said contract, then this obligation to be null and void; otherwise to remain in full
force and effect.

The conditions of Section 52-118, R.R.S., Nebraska, are incorporated herein by reference.

That the said Surety for value received, hereby stipulates and agrees that no change,
extension of time, alteration or addition to the terms of the Contract or to the work to be
performed there under, or the specifications accompanying the same, shall in any way affect
the obligations on this Bond, and it does hereby waive notice of any change, extension of
time, alteration or addition to the terms of the Contract or to the work or to the specifications.

IN WITNESS WHEREOF, the above named Principal and Surety have executed these presents this

_____ day of _____, _____.

PRINCIPAL

Contractor

By: _____

Title: _____

SURETY

Attorney-in-Fact

ATTEST:

_____, Secretary

Waiver and Release of Lien

WHEREAS, the undersigned _____ has
NAME OF MANUFACTURER, MATERILMAN OR SUBCONTRACTOR

Has furnished to _____ the following:
NAME OF CONTRACTOR

_____ for use in the construction of a project belonging to
NAME OF MATERIAL AND SERVICES FURNISHED

NOW THEREFORE, the undersigned, _____,
NAME OF MANUFACTURER, MATERILMAN OR SUBCONTRACTOR

for and in consideration of \$ _____, and other good and valuable consideration, the receipt whereof is hereby acknowledged, do(es) hereby waive and release any and all liens, or right or claim of lien, on the above described project and premises, under any law, common or statutory, on account of labor or materials, or both, heretofore or hereafter furnished by the undersigned to or for the account of said _____
NAME OF CONTRACTOR for said project.

Given under my (our) hand(s) and seal(s)

this _____ day of _____, _____.

NAME OF MANUFACTURER, MATERILMAN OR SUBCONTRACTOR

By _____
PRESIDENT, VICE PRESIDENT, PARTNER OR OWNER, OR IF SIGNED BY OTHER THAN ONE OF FOREGOING, ACCOMPANIED BY POWER OF ATTORNEY SIGNED BY ONE OF THE FOREGOING IN FAVOR OF THE SIGNER. (USE DESIGNATION APPLICABLE)

CITY ADMINISTRATORS REPORT – 6/15/2021

The City Administrator was on vacation and no report was submitted.