City of Green River
City Council Meeting
Agenda Documentation

Preparation Date: June 27, 2011	Department: Parks & recreation
Meeting Date: July 5, 2011	Department Head: Allan Wilson, Director
	Presenter: Allan Wilson

Subject:
Resolution for the Greenbelt Russian Olive/Tamarisk Control Project in the amount of $10,000

Purpose Statement:
Approve the resolution for a $10,000 grant for the Greenbelt Russian Olive/Tamarisk Control Project.

Background/Alternatives:
The City of Green River has submitted for grants to remove Russian Olive/Tamarisk along the greenbelt. This is one of the many that have been submitted.

Attachments:
Resolution

Fiscal Impact:
$10,000 Grant for this project in account

Staff Impact:
Minimal

Legal Review:
Not applicable

Recommendation:
Approve the resolution

Suggested Motion:
I move to approve the resolution for the Governing Body of the City of Green River, Wyoming, to increase the Capital Projects Fund for the Greenbelt Russian Olive/Tamarisk Control Project with Grant funding from the U.S. Department of Fish and Wildlife in the amount of $10,000

Resolution No. R11-_____

A RESOLUTION FOR THE GOVERNING BODY OF THE CITY OF GREEN RIVER, WYOMING, TO APPROVE AN INCREASE IN THE CAPITAL PROJECTS FUND FOR THE GREENBELT RUSSIAN OLIVE/TAMARISK CONTROL PROJECT WITH GRANT FUNDING FROM THE U.S. DEPARTMENT OF FISH AND WILDLIFE IN THE AMOUNT OF $10,000

Whereas, to increase the expenditure budget authority in the Capital Projects Fund: line item 15-900-9212 (Greenbelt Russian Olive/Tamarisk Control Project) in the amount of $10,000

And whereas, to increase the revenue budget authority in the Capital Projects Fund: line item 15-000-4801 (Other Grants) in the amount of $10,000

NOW, THEREFORE BE IT RESOLVED THAT THE CITY ADMINISTRATOR AND CITY TREASURER ARE HEREBY AUTHORIZED TO MAKE THE ABOVE CHANGE TO THE CITY BUDGET FOR THE FISCAL YEAR ENDING JUNE 30, 2012.

PASSED, APPROVED AND ADOPTED THIS 5th DAY OF JULY, 2011.

SIGNED:

_____

H. Castillon, Mayor

ATTEST:

_____

Jeffrey Nieters, City Clerk

City of Green River
City Council Meeting
Agenda Documentation

Preparation Date: June 30, 2011	Department: Finance
Meeting Date: July 5, 2011	Department Head: Jeff Nieters
	Presenter: Jeff Nieters

Subject:

Approval of carryover projects into fiscal year 2012.

Purpose Statement:

Create spending authority for the carryover items as per attached.

Background/Alternatives:

During the budget process for fiscal year 2012, no projects were carried over into the current fiscal year. The reason for this process was to carryover the proper amounts for each project. The information from the 2011 budget had to be calculated in order to determine the dollar amounts to be carried over into the fiscal year 2012.

Attachments:

Resolution that reflex $7,827,412 in expenditures and $3,504,967 in revenue/grants

Fiscal Impact:

The carryover figures where part of the fund balance calculation. This means the $4,322,445 has been reserved and there is money to cover the total carryover amount.

Staff Impact:

None

Legal Review:

N/A

Recommendation:

I recommend Council approve the resolution

Suggested Motion:

I move to approve a resolution for the Governing Body of the City of Green River, Wyoming, to increase the expenditure and revenue authority as per the attached document in the net amount of $4,322,445

Resolution Number: 11 -

A RESOLUTION FOR THE GOVERNING BODY OF THE CITY OF GREEN RIVER, WYOMING TO APPROVE AN INCREASE IN EXPENDITURE AUTHORITY IN FUNDS FOR FISCAL YEAR ENDING JUNE 30, 2012

Capital Projects

15-900-8709	CIP 2011 Streets Project (6th Penny, g/f, WW &Water)	$38,690	
15-900-9009	Green River Water Crossing Project (50% SLIB Match)	$184,882	
15-900-9010	North I-80 Service Road (RS & County Funding)	$121,030	
15-900-9101	SE Teton Storm Drain Project	$38,068	
15-900-9102	Utility Storage Building (Wastewater 100%)	$118,936	
15-900-9103	Rec Center Cooling System	$6,034	
15-900-9104	Tomahawk Renovation Project (98.9% SLIB Grant)	$1,831,942	
15-900-9107	Parks Vehicles	$199,886	
15-900-9108	Police Vehicles	$199,948	
15-900-9109	Fire Vehicle Lease/Purchase	$700,000	
15-900-9110	Energy Efficient Project ($50,000 Grant)	$174,860	
15-900-9111	Bulk Water Filling System (100% Water Fund)	$5,592	
15-900-9112	Citywide Comprehensive Plan	$75,000	
15-900-9113	Police Department Building	$125,271	
15-900-9403	Art Development Program	$1,301	
15-900-9626	FMC Road Improvements (37.4% SLIB Grant)	$879,180	
15-900-9805	FMC Bridge Replacement Project	$156,128	
15-900-9820	Consolidated Dispatch Center	$113,595	
15-900-9822	Water SE Expansion Project (37.4% SLIB Match)	$2,792,814	
15-900-9915	West I-80 Development Project	$6,000	
15-900-9918	Citywide Wireless Project	$58,255	
	Un-Appropriated General Fund Balance - Decrease		$7,827,412
	Carryover For Capital Projects		
15-000-4834	Green River Water Crossing Revenue	$92,441	
15-000-4801	Rock Springs & County Share of Alternate Rd	$63,670	
15-000-4910	Transfers In - Wastewater Fund	$118,936	
15-000-4831	Tomahawk Building Grant (98.9% SLIB)	$1,801,002	
15-000-4801	Energy Efficiency Grant	$50,000	
15-000-4910	Transfers In - Water Fund	$5,592	
15-000-4822	FMC Road Improvements Revenue	$328,813	
15-000-4832	Water SE Expansion Revenue	$1,044,512	
	Un-Appropriated General Fund Balance - Increase		$3,504,967

NOW, THEREFORE BE IT RESOLVED THAT THE CITY ADMINISTRATOR AND CITY TREASURER ARE HEREBY AUTHORIZED TO MAKE THE ABOVE CHANGE TO THE CITY BUDGET FOR THE FISCAL YEAR ENDING JUNE 30, 2012.

PASSED, APPROVED AND ADOPTED THIS 5th DAY OF JULY, 2011.

ATTEST: SIGNED:

Jeffrey V Nieters, City Clerk H. Castillon, Mayor

City of Green River
City Council Meeting
Agenda Documentation

Preparation Date: 06/22/11	Submitting Department: Finance
Meeting Date: 07/05/11	Department Director: Jeff Nieters
	Presenter: Jeff Nieters

Subject: MALT BEVERAGE PERMIT

Purpose Statement

The Green River Extreme Committee has requested a Malt Beverage permit to sell malt beverages during the Extreme Bull Challenge Family Day on Saturday, July 9, 2011, from noon to 5:00 p.m., at the Green River Rodeo Arena.

Background/Alternatives

This is the first time for the event.

Attachments: Application for Malt Beverage Permit and Security Checklist approved by the Police Department.

Fiscal Impact: Permits are $50 each

Staff Impact: none

Legal Review: n/a

Recommendation: none

Suggested Motion

I move to approve the issuance of a Malt Beverage Permit to the Green River Extreme Committee to sell Malt Beverages, during the Extreme Bull Challenge Family Day on Saturday, July 9, 2011, from noon to 5:00 p.m., at the Green River Rodeo Arena.

6/21/11

Dear Mayor Castillion, Council and Allan Wilson

This letter is in request to the City of Green River for a Malt Beverage Permit. The date of the event will be July 9, 2011 on behalf of the Extreme Bull Challenge Family Day. The event will be held at the Green River Rodeo, 225 East Teton Blvd. The event will be held from noon till five p.m. and will include family related actives including malt beverages, food, and bull riding. The beverages will be purchased through The Red Feather in cooperation with Teton Distributors. Local contact person for details pertaining to this event is Cindy Brandjord.

Thank you for your support in providing this family event in the City of Green River.

Cindy Brandjord
871-5106
cindybrandjord@hotmail.com

Parks & Recreation Department
City of Green River
WYOMING

PAVILION RENTAL ALCOHOL/SECURITY CHECKLIST FOR MALT BEVERAGE PERMIT

Pavilion/ Park Facility Renter Green River Extreme Committee Cindy Brandjord/ Red Feather for **(EVENT)** ~~Bull~~ Extreme Bulls Challenge Family Day

At what Parks **Facility** Rodeo Grounds

On **(DATE)** 6-9-11, **from** 12 a.m./p.m. to 5 a.m./p.m.

Police Security

If alcohol is to be served the renter may be required to obtain **security** for their event **and** have it approved by the City of Green River Police Department.

☐ Security Not Required per: _____ Date: _____

☑ Security Required and Approved by: [signature] Date 6/21/11

Alcohol Rules:

- If a Renter wants to sell beer or other types of malt beverages, they must obtain a **Malt Beverage Permit.**
- **Renters Using a Beer Distributor**: If the beer distributor uses the keg cooler at the Pavilion, they must clean the keg cooling tubing when they pick up their kegs – otherwise, a fee will be deducted from the Renter's deposit.
- **Renters Not Using a Beer Distributor**: Renters providing kegged beer during their rental are not allowed to use the keg cooler. Renters do not have the proper tubing cleaning equipment and chemicals.

Malt Beverage Permit:

- ✓ Groups/individuals wanting to sell malt beverages must submit a **letter** of request in addition to **this form**, signed by an authorized officer approving the security for the event, and payment of **$50** to the Deputy Clerk's Office a month **prior** to the event.
- Once the permit is approved the deputy city clerk will notify the Police Department and the Parks and Recreation Department.
- The permit will be mailed to the address submitted with the letter of request.

Deputy City Clerk verification of application submission: [signature] Date 6-27-11

☑ Date of Council Meeting: July 5, 2011

☐ Council Action: _____

5/11/2011

City of Green River
City Council Meeting
Agenda Documentation

Preparation Date: June 29, 2011	Department: Legislative
Meeting Date: July 5, 2011	Department Head: Mayor, Hank Castillon
	Presenter: Barry Cook

Subject: Approval of the Sweetwater County Resolution for Chapter 32 Countywide Consensus Block Grant

Purpose Statement:

To approve the Sweetwater County Resolution No. 11-07-GR-01 to submit a grant application in the amount of _____ through the Chapter 32 Countywide Consensus Block Grant Funding from the State Land of Investment Board.

Background/Alternatives:

The staff and city officials from the cities of Green River and Rock Springs met with the county commissioners on June 29, 2011. Even though the City of Green River will not receive funding they are required, as part of the Consensus Group, to sign every resolution. There will be several projects submitted for the Chapter 32 funding which will require the approval of several resolutions.

The Town of Granger is submitting their application for funding on their _____ project in the amount of _____ in an effort to meet the July 15, 2011 deadline.

Attachments:

To be provided on July 5, 2011

Fiscal Impact: none

Staff Impact:

Legal Review: none

Recommendation:

Approval of the Sweetwater County Resolution No. 11-07-GR-01, and authorization for the Mayor to sign it.

Suggested Motion: I move to approve the Sweetwater County Resolution No. 11-01-GR-01 for the Chapter 32 Countywide Consensus Block Grand Funding, and authorize the Mayor to sign it.

City of Green River
City Council Meeting
Agenda Documentation

Preparation Date: June 30, 2011	Submitting Department: Police
Meeting Date: July 5, 2011	Department Director: Acting Chief Lt.Chris Steffen
	Presenter: Lt. Chris Steffen

Subject: Interlocal Agreement for the Justice Assistance Grant (JAG) for 2011

Purpose Statement: To approve the accepting of a portion of the grant money, and to approve the combining of the City of Green River's amount ($23,710) with the City of Rock Springs amount ($33,462) to be utilized by the Sweetwater County Combined Communications Center/Combined Communications Joint Powers Board.

Background/Alternatives: In the past few years this grant has been awarded to the Sweetwater County area for Law Enforcement Projects, with local law enforcement agencies combining the grant to help keep funding for the communications center to a minimum.

Attachments: A letter from Chief Lowell of the Rock Springs Police Department along with an Interlocal Agreement on the use/spending of the award money.

Fiscal Impact: The JAG grant amount of $23,710 to be used for the Combined Communications Center will save the city $23,710.

Staff Impact: None

Legal Review: Agreement has not been reviewed by city attorney to my knowledge.

Recommendation: To approve accepting the grant money and combining it with other agencies award money to go toward the Combined Communications Center.

Suggested Motion: I move to approve the acceptance of the JAG grant money and to combine it with monies awarded to the City of Rock Springs for the Interlocal Agreement between the City of Rock Springs, the City of Green River and the County of Sweetwater Wyoming.

City of Rock Springs
Police Department
221 C Street
Rock Springs, WY 82901

Phone 307-352-1581
Fax 307-352-1580

June 30, 2011

On December 15, 2009, the Sweetwater County Sheriff's Office, The Green River Police Department and The Rock Springs Police Department entered into a Joint Powers Board, hereto known as the Rock Springs, Green River, Sweetwater County Combined Communications Joint Powers Board, to join their communications capabilities into one Sweetwater County Combined Communications Center.

With the formation of the Board and its becoming a legal entity, all three Agencies have dedicated funding to the project and the eventual actual Center. The Board and the agencies have actively pursued all available funding avenues to keep expenditures at a minimum to the local community.

The FY 2011 Edward Byrne Memorial Justice Assistance Grant (JAG) allocated Federal funding to the Sweetwater County area for Law Enforcement projects and further declared Sweetwater County a disparate county.

The funding was allocated as follows.

- Sweetwater County $0
- City of Green River $23,710
- City of Rock Springs $33,462

The FY 2011 Edward Byrne Memorial Justice Assistance Grant (JAG) allocated the three entities a total of $57,172, the moneys are to be spent to assist in the purchase of security systems and monitoring equipment for the Sweetwater Combined Communications Center as allocated by the Rock Springs, Green River Sweetwater County Combined Communications Joint Powers Board.

Sincerely,

Mike Lowell
Chief of Police

Enclosure

Interlocal Agreement

Between the City of Rock Springs, the City of Green River and the County of Sweetwater, Wyoming.

Justice Assistance Grant (JAG) Program Award 2011

This Agreement is made and entered into this _____ day of _____,2011, by and between the County of Sweetwater, acting by and through its governing body, Sweetwater County Commission, hereinafter referred to as "County", and the City of Rock Springs, acting by and through its governing body, the Rock Springs City Council, hereinafter referred to as "City of Rock Springs", and the City of Green River, acting by and through its governing body, the Green River City Council, hereinafter referred to as "City of Green River", all within the County of Sweetwater, State of Wyoming, witnesseth:

WHEREAS, each governing body, in performing governmental functions or in paying for the performance of governmental functions hereunder, shall make that performance or those payments from current revenues legally available to that party: and

WHEREAS, each governing body finds that the performance of this Agreement is in the best interest of all parties, that the undertaking will benefit the public, and that the division of costs fairly compensates the performing party for the services or functions performed under this agreement: and

WHEREAS, the FY 2011 Edward Byrne Memorial Justice Assistance Grant (JAG) award from the Bureau of Justice Assistance, (BJA) allocates available funding based on UCR Part 1 crime within their jurisdictions and for JAG purposes, these entities remain a partner receiving funds and must be a signatory on a required Memorandum of Understanding (MOU) or Agreement.

Whereas, the FY 2011 Edward Byrne Memorial Justice Assistance Grant (JAG) allocated the funding as follows.

- Sweetwater County $0
- City of Green River $23,710
- City of Rock Springs $33,462

* http://www.ojp.usdoj.gov/BJA/grant/11jagallocations.html

NOW THEREFORE, the County, the City of Green River and the City of Rock Springs agree as follows:

Section 1.

The County will receive $0 of the JAG Funds.

Section 2.

The City of Green River will receive $23,710 of the JAG Funds.

Section 3.

The City of Rock Springs will receive $33,462 of the JAG Funds.

Section 4.

The City of Rock Springs will be the Administrator of the Grant request and allocation.

Section 5.

The combined JAG funds which total $57,172 will be utilized to assist in the purchase of security systems and monitoring equipment for the Sweetwater Combined Communications Center as allocated by the Rock Springs, Green River Sweetwater County Combined Communications Joint Powers Board.

Section 6.

Each party to this agreement will be responsible for its own actions in providing services under this agreement and shall not be liable for any civil liability that may arise from the furnishing of services by the other party.

Section 7.

The parties to this agreement do not intend for any third party to obtain a right by virtue of this agreement.

Section 8.

By entering into this agreement, the parties do not intend to create any obligations express or implied other than those set out herein; further, this agreement shall not create any rights in any party not a signatory hereto.

City of Rock Springs, Wyoming

_____

Mayor

Attest:

_____

Witness

Sweetwater County, Wyoming

_____

Commissioner

Attest:

_____

Witness

City of Green River, Wyoming

_____

Mayor

Attest:

_____

Witness

CITY of GREEN RIVER
FISH IT. FLOAT IT. LIVE IT.
WYOMING

City of Green River
City Council Meeting
Agenda Documentation

Preparation Date	6/24/2011	Department:	Fire Department
Meeting Date:	7/05/2011	Department Head:	Chief Mike Kennedy
		Presenter:	Chief Mike Kennedy

Subject: Renewal of Mutual Aid Agreement for Emergency Response with Sweetwater County Fire District #1

Purpose Statement:

Approve and sign the written consent to renew the July 20, 2011 agreement between the City of Green River Wyoming and Sweetwater County Fire District #1 for the exchange of emergency services.

Background/Alternatives:

The Fire Department believes that this is an important aid in clarifying our response role in a emergency situation.

Attachments:

The written consent to renew form for the Mutual Aid Agreement for Emergency Response by and between the City of Green River Wyoming and Sweetwater County Fire District #1.

Fiscal Impact: None expected.

Staff Impact: None expected.

Legal Review: Pending Legal Review

Recommendation:

Approve and Sign the written consent to renew form for the Mutual Aid Agreement between the City of Green River Wyoming and Sweetwater County Fire District #1

Suggested Motion:

I MOVE to approve the renewal of the Mutual Aid Agreement between the City of Green River, Wyoming and Sweetwater County Fire District #1 for the exchange of Emergency Response for the period of July 20, 2011 through July 19, 2012.

Mutual Aid Agreement for Emergency Response Renewal

We the undersigned consent to the renewal of the MUTUAL AID AGREEMENT FOR EMERGENCY RESPONSE initially entered into and approved July 20, 2010, for the renewal period of July 20, 2011 through July 19, 2012.

CITY OF GREEN RIVER

By:_____

Mayor

SWEETWATER COUNTY FIRE DISTRICT #1

By: Lawrence J. Smith

Title: Secretary

Seal

Attest:

By:_____

Date:_____

City of Green River
City Council Meeting
Agenda Documentation

Preparation Date: 6-21-11	Submitting Department: Police
Meeting Date: 7-5-11	Department Director: John Love
	Presenter: Chris Steffen

Subject: The Police Department is requesting permission to enter into a radio maintenance agreement with Wireless Advanced Communications.

Fiscal Impact
The cost of the maintenance agreement is $18,042.00. This cost was included in the FY 2012 budget in preparation for the agreement.

Purpose Statement
There are many upcoming radio needs for the Green River P.D. With WyoLink, narrow banding and the new Joint Communications Center coming, there are many needs for radio programming, change-over's and general maintenance that needs to be done. We have not had any kind of maintenance agreement with any entity for several years.

Background/Alternatives
We have used Wireless Advanced Communications on numerous projects. Currently, they build all of our police vehicles and have been chosen, due to being a Premier Motorola Service dealer, as the entity to work on the Joint Communications center. They have looked at our radio system and are fully aware of the work that needs to be done. There service agreement covers all aspects of work needed, where others have failed to cover all items needed.

Attachments
None
Staff Impact
The radio changes need to be made.
Legal Review
Sent to Galen and pending.
Recommendation
Enter into the agreement
Suggested Motion
Approve the maintenance agreement with Wireless Advanced Communications for police department radio maintenance in the amount of $18,042 pending legal council review.

WIRELESS ADVANCED COMMUNICATIONS

MOTOROLA
Authorized Two-Way Radio Dealer

3901 West Service Road
Evans, CO 80620
(970) 330-9415 (800) 456-0247
Fax (970) 330-3632

Radio Equipment Service Agreement - Standard

This **Standard Service Agreement** is made between Wireless Advanced Communications, Inc. and Green River Police Department_____ to commence on _____ and shall be in effect
(Name of Agency) (Date)
for one calendar year (12 months). This agreement is for the service and maintenance of equipment sold by Wireless Advanced Communications and included in this agreement and identified by specific serial number. Any service must be performed by employees of Wireless Advanced Communications or by persons specifically contracted by Wireless Advanced Communications. This agreement applies to consolettes, portable or mobile subscriber units only. Fixed equipment such as combiners, multi-couplers, and antenna systems, is excluded from this agreement. This agreement is not intended for single units but must be a system agreement. This **Standard Service Agreement** includes certain specific services not included in the **Basic Service Agreement.**

TERMS AND CONDITIONS:

Customer:

1. Provide payment to Wireless Advanced Communications the amount of $10.00 (ten dollars) per qualified unit per month for XTS and XTL Series. ($120.00 per year per unit). Consolettes: $45 per month for 0800 – 1700 Monday through Friday, $65 per month for 24 hours / day 7 days / week service.
2. Make reasonable efforts to prevent excessive damage to equipment.

Wireless Advanced Communications:

1. Provide all parts and labor to repair equipment
2. Absorb mileage costs to your site for necessary site visits.
3. Provide one preventative maintenance check per year.
4. Provide alias changes at no cost.
5. Provide one radio template change / update per year.
6. Provide, at no charge, data base management for all DTR radios.
7. Provide replacement antennas or microphones as required.
8. Provide loaner radios (as available) for mission critical radios.
9. Provide repair of accidental physical damage to a maximum of $250.00 one time per year per radio.
10. Bi-Directional Amplifiers: Semi-Annual proof of performance (includes walk through and signal amplitude verification).

Exclusions to coverage are as follows:

1. Batteries
2. Flash Upgrades
3. Deviations from standard templates
4. Intentional or excessive damage / abuse
5. Lightening damage
6. Act of God (floods, etc.)

Signature:_____ Signature:_____
(Wireless Advanced Communications) (Customer)
Date:_4-19-2011_____ Date:_____

WIRELESS ADVANCED COMMUNICATIONS, INC.
3901 WEST SERVICE ROAD
EVANS, CO 80620
970-330-9415

SERVICE AGREEMENT

CUSTOMER #
CUSTOMER CONTACT: Chris Steffen
CUSTOMER PHONE # (307) 872-6163

CUSTOMER NAME: Green River Police Department
ATTN: Chris Steffen
BILLING ADDRESS: 50 East 2nd North
CITY: Green River STATE: Wyoming ZIP: 82935

When this agreement is accepted by Wireless Advanced, the equipment on the customer purchase order referenced below will be serviced by Wireless Advanced in accordance with the terms and conditions printed on the reverse side. This agreement does not include replacement of antennas or batteries, or service of any transmission line, antenna, tower or tower lighting unless such work is described below.

CONTRACT START DATE: EXPIRATION DATE:

QTY.	MODEL NUMBER/SERIAL NUMBER/DESCRIPTION	SERVICE AT CUST LOCATION	SVC CTR DRIVE IN	PER UNIT MONTHLY	EXTENDED PER MONTH	EXTENDED PER YEAR
4	Motorola Quantar VHF	✓		$125.00	$500.00	$6,000.00
1	Motorola Base Radio	✓		$65.00	$65.00	$780.00
2	Motorola Console (CEB)	✓		$125.00	$250.00	$3,000.00
2	Motorola Dispatch Position	✓		$75.00	$150.00	$1,800.00
33	Motorola XTS2500 (NEW)	✓		$4.50	$148.50	$1,782.00
39	Motorola & Vertex Mobile	✓		$10.00	$390.00	$4,680.00
	Includes ALL Wyo-Link					
	Migration for Subscribers					
				TOTALS	$1,503.50	$18,042.00

SPECIAL INSTRUCTIONS

1. Provide all parts and labor to repair equipment 2. Absorb mileage costs to your site for necessary site visits. 3. Provide one preventative maintenance check per year. 4. Provide alias changes at no cost. 5. Provide one radio template change / update per year. 6. Provide, at no charge, data base management for all Wyo-Link radios. 7. Provide replacement antennas or microphones as required. 8. Provide loaner radios (as available) for mission critical radios. 9. Provide repair of accidental physical damage to a maximum of $250.00 one time per year per radio. 10. Bi-Directional Amplifiers: Semi-Annual proof of performance (includes walk through and signal amplitude verification).

P.O. # _____

Payment Cycle:

- (●) Annually
- ( ) Semi-Annually
- ( ) Quarterly
- ( ) Monthly
- ( ) Other (See Special Instructions)

AUTHORIZED CUSTOMER SIGNATURE TITLE DATE

WIRELESS ADVANCED COMM., INC. SIGNATURE

SERVICE AGREEMENT

1. DEFINITIONS. "Wireless Advanced" shall mean Wireless Advanced Communications, Inc; "Customer" shall mean the customer named in the Agreement; and "Product" shall collectively mean the Equipment and Software which Wireless Advanced and Customer agree to be serviced pursuant to this Service Agreement. Such Product is listed on the front of this Agreement.
2. ACCEPTANCE. The terms and conditions set forth on the front and reverse side of this Agreement is an offer to purchase Service by Customer which shall become a Service Agreement when acknowledged in writing by Wireless Advanced service department; and the banking negotiation or other use of any payment shall not constitute an acceptance by Wireless Advanced. It is agreed that Service shall be provided only on the terms and conditions contained in the Agreement. Wireless Advanced shall not be bound by terms and conditions in Customer's purchase order or elsewhere unless expressly agreed to in writing.
3. SERVICE DEFINED.
    a. Wireless Advanced agrees to provide service for the Customer for the Product listed on the front side of this Agreement. Such Product shall be serviced according to the terms and conditions on the front and reverse side of the Agreement (Service). The Service shall begin and end on the dates set forth on the front side of this Agreement. Wireless Advanced shall also Service other Product manufactured by Motorola and purchased by customer during the term of this Agreement on the same terms and conditions set forth in this Agreement at the current service fees for such product. Upon delivery of such other Product to the Customer, service fees for Service of such other Product shall be added to the billing cycle following expiration of the labor warranty on such other Product. In the event of loss, damage, theft, of removal from Service of any Product, Customer shall immediately report the loss, damage, theft, or removal in writing to Wireless Advanced. In this event, Customer's obligation to pay service fees with respect to any such Product shall terminate at the end of the month in Wireless Advanced receives such written report.
    b. Mobile Product shall be removed and reinstalled in different vehicles at Customer's request for the service fee in effect at the time of Customer's request.
    c. This agreement does not include service of any transmission line, antenna, tower or tower lighting, unless such work is described on the front side of this Agreement. Service shall include the labor and parts required to repair Product which has become defective through normal wear and usage. This does not include consumable and their installation. Service does not include the repair or replacement of Product which has otherwise become defective, including, but not limited to damage caused by accidents, physical or electronic abuse or misuse, acts of God, fires or other casualty. Service performed for non-covered repairs shall be billed at Wireless Advanced above contract rate applicable for such Service. Product under contract must be maintained in environmental conditions as set forth in the Product specifications and damage resulting from environmental conditions not conforming to the specifications is not covered by this Agreement.
    d. Where telephone lines and product are used in conjunction with Wireless Advanced maintained Product, Wireless Advanced shall have no obligations or responsibility for such telephone lines but shall, upon request, assist the Telephone Company in repairing such upon payment at the appropriate above rate.
    e. Customer shall indicate on the front side of the Agreement any Product, which is intrinsically safe, so the appropriate parts and procedures may be used to maintain such status.
    f. At the expiration of twelve (12) months after the commencement of Service there under (or any time thereafter), if Product cannot in Wireless Advanced opinion be properly or economically repaired, because (but not limited to) excessive wear, deterioration or unavailability of parts, Wireless Advanced at its sole option, upon thirty (30) days prior written notice to Customer sent by certified mail, may either: (1) remove such Product from this Agreement; or (2) may increase the price to Service such product. Customer shall have thirty (30) days from receipt of notice of price increase to object to such increase. If Customer properly objects to such increase, Wireless Advanced shall then have the options to remove such Product from coverage by this Agreement. Customer's obligation to pay Service fees with respect to Product removed from this Agreement shall terminate at the end of the month during which Product is removed.
4. SERVICE STANDARDS. The Product shall be serviced by Wireless Advanced in accordance with the following standards: (I) Motorola parts or parts of equal quality shall be used (II) the Product shall be serviced at levels set forth by manufacturers product manuals; and (III) routine service procedures prescribed from time to time by manufacturer for its Product shall be followed.
5. TIME AND PLACE OF SERVICE.
    a. Service shall be completed either at the Customer location, at a Wireless Advanced location, or at a subcontractor location. Customer shall notify Wireless Advanced of Product failure, allow Wireless Advanced full and free access to the Product, and cooperate fully with Wireless Advanced in servicing of the Product. Waiver of liability by Wireless Advanced against Customer or other restrictions shall not be imposed by Customer as a site access requirement.
6. PAYMENT/TAXES. On or about the date each payment is due as set on the front side of this Agreement. Wireless Advanced shall send Customer an invoice covering the Service fees for the next Payment Period. All other charges shall be billed monthly and the Customer shall pay the amount of each invoice within (30) days of its date to the Wireless Advanced office. Each invoice shall be due and payable whether or not the Product is operation and Wireless Advanced may terminate this agreement by giving Customer ten (10) days notice by certified mail if Customer defaults in its payment to Wireless Advanced. Balances not paid when due shall bear interest at a rate of 1% per month, calculated monthly from the date such payment is due until paid.
7. RIGHT TO SUBCONTRACT. Wireless Advanced shall have the right to subcontract in whole or in part the Service called for by this Agreement.
8. REVISION OF FEES. Prior to an Anniversary of the "Expiration Date" indicated on the front side of this Agreement, Wireless Advanced may revise the Service fees set forth on the front sided of this Agreement by giving Customer written notice of the amount of the increase at least sixty (60) days in advanced of that Anniversary date. Upon receipt of any such notice, Customer may terminate this Agreement on the Expiration date or any Anniversary of it upon thirty (30) days prior written notice sent by certified mail to the address indication in this Agreement; otherwise the new fees shall become effective on the Anniversary date. In the event of such termination, all accrued and unpaid charges shall be due and payable immediately upon termination.
9. WARRANTY LIMITATION. EXCEPT AS SPECIFIED IN THIS AGREEMENT, WIRELESS ADVANCED DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OR MERCHANT ABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL WIRELESS ADVANCED BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES TO THE FULL EXTENT SUCH MAY BE DISCLAIMED BY LAW.
10. ENTIRE AGREEMENT. Customer acknowledges that it has read and understands the terms and conditions of the Agreement and agrees to be bound by them, that it is the complete and conclusive statement of the agreement between the parties and that this Agreement set forth the entire agreement and understanding between the parties relating to the subject matter hereof and all understandings and agreements, oral and written, heretofore made between Wireless Advanced and Customer, are merged in the Agreement which alone fully and completely expresses their agreement.
11. AMENDMENT. No modifications of or additions to the Agreement shall be binding upon Wireless Advanced unless such modification is in writing and signed by an officer of Wireless Advanced, authorized to make such revisions and an authorized agent of Customer.
12. VALIDITY. If any term or provision of this Agreement shall to any extent be held by a count of other tribunal to be invalid, void or unenforceable, then that term or provision shall be inoperative and void insofar as it is in conflict with law, but the remaining terms and provisions of the Agreement shall nevertheless continue in full force and effect and the rights and obligations of the parties shall be construed and enforced as if this Agreement did not contain the particular terms or provision held to be invalid, void or unenforceable.
13. LAW. THIS AGREEMENT AND THE RIGHTS AND DUTIES OF THE PARTIES SHALL BE GOVERNED AND INTERPRETED IN ACCORDANCE WITH THE LAWS OF THE STATE OF COLORADO.

CITY OF GREEN RIVER
CITY COUNCIL MEETING
Consent Agenda Documentation

Preparation Date: June 24, 2011	Submitting Department: Public Works
Meeting Date: July 5, 2011	Department Director: Mike Nelson
	Presenter: Mike Nelson

SUBJECT: Maintenance Agreement for the Savin C5050SPF Document Center

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PURPOSE STATEMENT:
Continue a Maintenance Agreement with Copier & Supply Co., Inc. for the Savin C5050SPF Document Center located at the Public Works Facility.

BACKGROUND:
The Maintenance Agreement with Copier & Supply Co., Inc covers both the labor and the material for adjustments, repairs and replacements of parts as necessitated by normal usage of the machine from June 30, 2011 to June 29, 2012.

ATTACHMENT:
Maintenance Agreement from Copier & Supply Co., Inc.

FISCAL IMPACT:
Monies have been budgeted in the Public Works Administration budget for the cost of the Maintenance Agreement. We will be billed $657 annually for 80,000 black and white copies and monthly at a cost of .036¢ per colored copy.

STAFF IMPACT:
None

LEGAL REVIEW:
Standard Agreement

RECOMMENDATION:
Approve Maintenance Agreement with Copier & Supply Co., Inc. for the Savin C5050SPF Document Center located at the Public Works Facility.

*COPIERS *FAXES *SHREDDERS

COPIER & SUPPLY CO., INC.

Serving Southwest Wyoming Since 1974

432 SOUTH MAIN
ROCK SPRINGS, WY 82901
(307) 362-6530 1-800-442-9699
FAX (307) 362-6533

*SALES *SERVICE *SUPPLIES

MAINTENANCE AGREEMENT

This agreement covers both the labor and the material for adjustments, repairs and replacements of parts as necessitated by normal usage of the machine. Customer must provide a grounded NEC approved 15 or 20 Amp 110V outlet for equipment covered under this agreement. Maintenance Agreement will be void if a proper surge suppressor is not in place on copier, network, and or fax machines. Damage caused by Bad Power, Surges, Spikes, or Fluctuating Power will not be covered by the Maintenance Agreement. Damage or loss resulting from misuse or perils such as fire, theft, water damage, or for any other cause external to the machine, are not covered. The use of unauthorized parts, components, modification or personnel to effect repairs or changes will cause this agreement to be null and void.

Service performed under the terms of this contract will be made during normal business hours at the installation address specified in this contract. Travel and labor time on calls after business hours, Saturdays, Sundays, and holidays, are charged to the customer at established rates.

Preventative maintenance is the service performed to insure expected life and efficiency of equipment. Service necessary due to operator negligence may be considered chargeable. All consumable parts will be replaced at no charge. Consumables will include but are not limited to fusing rollers, photoconductors, and blades and are separately warranted.

Connectivity which includes installation of software, loading drivers, and connecting between your network and the multifunction machine is ***not included*** due to the number of variations of operating systems and networks and is chargeable on a per hour basis.

It is understood that a qualified service technicians employed and trained by Copier & Supply Company, Inc will perform all service.

This contract shall become effective upon receipt by Copier & Supply Company Inc. of payment for annual charge. **The contract will remain in force for twelve months and will be automatically renewed from year to year unless written cancellation notice is received, by either party, thirty days prior to the end of the current term.** Customer agrees to pay the annual charge in advance at the beginning of each twelve-month period. **Upon payment, the customer agrees to accept the terms of this contract.**

If customers use other than recommended supplies, or calls due to customer error, causing abnormally frequent service calls, then the **service calls will become chargeable at the current hourly service rate plus mileage as needed**. The maintenance agreement **may** be terminated and the unused portion of the maintenance agreement payments be refunded. In that case, the customer will be offered continuing service at published hourly rates. Parts and labor prices are subject to change without notice.

It is understood that the following charges will apply for the below mentioned machine:

Make: **Savin** Model: **C5050SPF** Serial Number: **V1395400629**
Actual Location: **Public Works-325 E. Teton, Green River** **BEGINNING METER: 135,158**

THIS CONTRACT WILL BE IN EFFECT FROM:
06/30/2011 TO 06/29/2012

Base Price: $657.00-**BLACK & WHITE**

Copy Allowance:	B&W	80,000	Excess Copy Charge:	B&W	.0099	Start Date:	06/30/2011
	Color	NA*		Color	NA	MA Period:	1 Year

Included Items:	Parts	Labor	Drum	Fuser Roller	Toner	Developer	Paper	Connect
B& W	X	X	X	X	X	X	NO	NO
Color	*	*	*	*	NO	*	NO	NO

INVOICE NUMBER **43786**

***SEE SEPARATE COLOR AGREEMENT**

Copier & Supply's Authorized Signature

Authorized By: **
TITLE:
COMPANY: CITY OF GREEN RIVER-PUBLIC WORKS DEPARTMENT
ADDRESS: 50 East 2nd North
Green River, WY 82935

**Charges are subject to sales tax where applicable*

Customer Contact: 307 872-0528 Mary Lou

For filing purposes only: **CITGR-C5050-PUBLIC WORKS – BLACK & WHITE**

City of Green River
City Council Meeting
Agenda Documentation

Preparation Date: June 10, 2011	Submitting Department: Parks and Recreation
Meeting Date: July 5, 2011	Department Director: Allan Wilson, Interim
	Presenter: Sherry Schumacher

Subject: **Authorization to approve inflatable rentals for 5th Annual Playful City USA / Health and Wellness Day in partnership with Sweetwater County School District # 2**
(Note: all sections must be completed for this city council report to be placed on the meeting agenda)

Purpose Statement
To have the Governing Body approve professional service agreements with Custom Events and with GooseJumps, LLC., for inflatable's for the Thursday, September 29, 2011, 5th Annual Playful City USA / Health and Wellness Day

Background/Alternatives
The 5th Annual Playful City USA / Health and Wellness Day in partnership with Sweetwater County School District # 2 is scheduled for Thursday, September 29, 2011. The City of Green River has allocated $6,000 for this special event in the Parks & Recreation Department FY 2011-2012 budget. Staff is requesting approval of two separate contracts with two different vendors for inflatable's for this event.

Attachments
Attachment A – Two page professional services agreement with Custom Events for $2,900.25

Attachment B – One page professional services agreement with GooseJumps, LLC for $2,274.40

Fiscal Impact
$5,174.65 in the Leisure Programs Division FY 2011-2012 budget

Staff Impact
Minimal

Legal Review
Pending Legal review

Recommendation
Staff recommends that the Governing Body approve the professional services agreement with Custom Events for $2,900.25 and the professional services agreement with GooseJumps, LLC for $2,274.40 for the 5th Annual Playful City USA / Health and Wellness Day in partnership with School District # 2.

Suggested Motion
I move to approve the professional services agreement with Custom Events for $2,900.25 and the professional services agreement with GooseJumps, LLC for $2,274.40.

(801) 446-5115
fax: (801) 562-1240
538 west 9560 south
Sandy, Utah 84070
www.customeventsinc.com

EVENT PROPOSAL*

Company: City of Green River Homecoming/Wellness Fair
Contact: Sherry Schumacher
Telephone: 307-872-0517
Fax/email: sschumacher@cityofgreenriver.org
Date: Thursday September 29, 2011
Time: 8:30- 12:00 p.m.
Location: Lincoln Middle School 350 Monroe Ave. Green River Wyoming

Custom Events will provide the following services:

****Kong's Revenge Obstacle Course.** This giant obstacle course is guarded at the front by King Kong himself! If you dare, climb in behind Kong and make your way through this exciting course! Try not to wake the sleeping giant!!!!!

****The Jurassic Adventure Obstacle Course.** This is one of our most exciting attractions! Being one of the biggest inflatable attractions in the Western United States, it is thrilling for all ages! The huge dinosaur will welcome you into this adventure of slides, tunnels and obstacles. Are you up for it? Enter if you dare!

****Spiderman Obstacle Course**. Always the latest in trends, what else would it be other than Spiderman! This fun obstacle is a two-lane course that is about 40 feet long. What a thrill to race your friends through the obstacle course with Spiderman!

****Price includes staffing for all three attractions as well as generators to run the attractions.**

The total price for the above services will be: $3,222.50

Minus multi attraction discount: savings of $322.25

Subtotal before tax: $2,900.25

Sales tax of 6.8%: $N/A

Grand total price after tax: $2,900.25

To book the above services, a NON-REFUNDABLE deposit of 25% is required along with a signed copy of an acceptable proposal.

^The remainder will be due on the day of your event.^

Custom Events Inc. schedules the use of attractions on a first come, first serve basis. The equipment on this proposal is not guaranteed unless a signed copy is received and confirmed by Custom Events Inc.

****Custom Events Inc. operates all equipment according to manufacturer, and insurance specifications. Custom Events Inc. will not be held liable if wind, weather, or other acts of nature affect our ability to perform this event, and customer agrees to pay Custom Events for services regardless of early shut down due to weather.***

Contract Agreement accepted by: _____

Date Signed By : _____
Hank Castilion,
Mayor,
City of Green River

****PLEASE PROVIDE ADDRESS BELOW****

Company Mailing Address:

_____
_____
_____

GooseJumps, LLC
Inflatables and other Party Rentals
361 Mountain Way Dr., Orem UT, 84058
801.877.1927

Professional Services Agreement

*On the day of your event, should the need arise, please call the number above and press '2' for direct access to the owners.

Event ID	Customer ID	Booked By	Date Booked	Set Up Worker	Pick Up Worker	Status
1307720727	BUS-GREENRIVERCITY	HIRTZELT	6/10/2011			

Event Date			PO Number
9/29/2011			
StartTime	Set UpTime	End Time	Pick UpTime
9:00:00 AM		12:00:00 PM	12:00:00 PM

Event Address 1	Event Address 2
350 MONROE AVE	

City	State	Zip Code
GREEN RIVER	WY	82935

Directions

First Name	Last Name	Organization
SHERRY	SCHUMACHER	CITY OF GREEN RIVER
WORK	CELL	
(307) 872-0517	(307) 871-2936	x

Celebrity	Age	Occasion	Theme
		SCHOOL FUNCTION	

Special Details

Item ID	Description	Rate	Adj	Qty	Comments	Line Total	Tax Rate
IA40FTOC	OBSTACLE COURSE - 40 FT. OBSTACLE	$259.00	($25.90)	1.00		$233.10	0.000%
BH5IN1CARS	DISNEY CARS 5-IN-1	$179.00	($17.90)	1.00		$161.10	0.000%
BH5IN1NEMO	DISNEY NEMO 5-IN-1	$179.00	($17.90)	1.00		$161.10	0.000%
BH5IN1WOD	WORLD OF DISNEY 5-IN-1	$179.00	($17.90)	1.00		$161.10	0.000%
GEN50001	GENERATOR - RED 5000K 1	$49.00	$0.00	1.00		$49.00	0.000%
GEN60001	GENERATOR - YELLOW 6000K 1	$49.00	$0.00	1.00		$49.00	0.000%
ATTENDANT	ATTENDANT - HOURLY RATE	$681.00	$0.00	1.00		$681.00	0.000%
MISC	ADDED INSURER TO OUR INSURANCE	$260.00	$0.00	1.00	2 NAMES ADDED TO INS	$260.00	0.000%
TRAVELFEE	MILES OUTSIDE FREE DELIVERY AREA	$3.00	$0.00	173.00		$519.00	0.000%

Surface: OUTDOORS GRASS

☐ **PowerSource within 100 feet?**

Subtotal	$2,274.40
Tax	$0.00
Event Total	$2,274.40
Total Payments	
Amount Due	**$2,274.40**

PROFESSIONAL SERVICES AGREEMENT

Delivery: Customer grants GooseJumps, LLC the right to enter specified property for the delivery and removal of GooseJumps, LLC units at approximately specified times.

Terms: Equipment is being delivered, set-up and removed by GooseJumps, LLC workers. Usage of the units will be supervised by GooseJumps, LLC attendants. Attendants of GooseJumps, LLC are responsible for enforcing reasonable guidelines for safe activity inside the units. Persons not adhering to these guidelines will not be permitted to participate. GooseJumps, LLC holds harmless The City of Green River and Sweetwater County School District No. 2 for any harm that occurs to the inflatables or those participating in the activity. Due to safety concerns, in the case of inclement weather, participants will be asked to exit the units and the units will be deflated until conditions improve. After the units are set-up, inclement weather will not be cause for a full or partial refund.

Cancellation: Event must be cancelled seven days prior to event for full refund of security deposit.
I acknowledge and certify that I have read this entire document and that I understand its content. I agree to the terms and conditions of this agreement and understand that I am bound by this agreement. I attest that I am over 18 years of age and have authority to enter in to this agreement.

CUSTOMER NAME:_____

CUSTOMER SIGNATURE:_____ DATE:_____

City of Green River
City Council Meeting
Agenda Documentation

Preparation Date: June 28, 2011	Department: Finance
Meeting Date: July 5, 2011	Department Head: Jeff Nieters
	Presenter: Jeff Nieters

Subject:
Approval of a contract to purchase 2 fire apparatus pumpers from Pierce Manufacturing

Purpose Statement:
To authorize the Mayor to sign a contract with Pierce Manufacturing to purchase 2 fire apparatus pumpers.

Background/Alternatives:
The City opened sealed bids for two fire apparatus pumpers on April 28th. There is enough budget authority to purchase one pumper and lease the second pumper. A contract is needed to get the manufacturer to start the construction process of the vehicles.

Attachments:
Contract with Pierce Manufacturing Company

Fiscal Impact:
Approximately $1,089,689.00 for both pumpers

Staff Impact:
None

Legal Review:
Legal Council is currently reviewing

Recommendation:
Governing Body approve the contract

Suggested Motion:
I move to approve and have the Mayor sign the contract with Pierce Manufacturing to purchase 2 fire apparatus pumpers for $1,089,689.00, pending legal review

PERFORM. LIKE NO OTHER.™

This Purchase Agreement (together with all attachments referenced herein, the "Agreement"), made and entered into by and between Pierce Manufacturing Inc., a Wisconsin corporation ("Pierce"), and The City of Green River, [type of entity] ("Customer") is effective as of the date specified in Section 3 hereof. Wyoming,

1. Definitions.
   a. **"Product"** means the fire apparatus and any associated equipment manufactured or furnished for the Customer by Pierce pursuant to the Specifications.
   b. **"Specifications"** means the general specifications, technical specifications, training, and testing requirements for the Product contained in the Pierce Proposal for the Product prepared in response to the Customer's request for proposal.
   c. **"Pierce Proposal"** means the proposal provided by Pierce attached as Exhibit C prepared in response to the Customer's request for proposal.
   d. **"Delivery"** means the date Pierce is prepared to make physical possession of the Product available to the Customer.
   e. **"Acceptance"** The Customer shall have fifteen (15) calendar days of Delivery to inspect the Product for substantial conformance with the material Specifications; unless Pierce receives a Notice of Defect within fifteen (15) calendar days of Delivery, the Product will be deemed to be in conformance with the Specifications and accepted by the Customer.

2. Purpose. This Agreement sets forth the terms and conditions of Pierce's sale of the Product to the Customer.

3. Term of Agreement. This Agreement will become effective on the date it is signed and approved by Pierce's authorized representative pursuant to Section 21 hereof ("Effective Date") and, unless earlier terminated pursuant to the terms of this Agreement, it will terminate upon the Customer's Acceptance and payment in full of the Purchase Price.

4. Purchase and Payment. The Customer agrees to purchase the Product specified on Exhibit A for the total purchase price of $1,089,689.00 ("Purchase Price"). Prices are in U.S. funds, F.O.B. Fire Station #2, Green River, Wyoming.

5. Future Changes. Various state or federal regulatory agencies (e.g. NFPA, DOT, EPA) may require changes to the Specifications and/or the Product and in any such event any resulting cost increases incurred to comply therewith will be added to the Purchase Price to be paid by the Customer. In addition, any future drive train upgrades (engine, transmission, axles, etc.), or any other specification changes have not been calculated into our annual increases and will be provided at additional cost. To the extent practicable, Pierce will document and itemize any such price increases for the Customer.

6. Agreement Changes. The Customer may request that Pierce incorporate a change to the Products or the Specifications for the Products by delivering a change order to Pierce; provided, however, that any such change order must be in writing and include a description of the proposed change sufficient to permit Pierce to evaluate the feasibility of such change ("Change Order"). Within [seven (7) business days] of receipt of a Change Order, Pierce will inform the Customer in writing of the feasibility of the Change Order, the earliest possible implementation date for the Change Order, of any increase or decrease in the Purchase Price resulting from such Change Order, and of any effect on production scheduling or Delivery resulting from such Change Order. Pierce shall not be liable to the Customer for any delay in performance or Delivery arising from any such Change Order. A Change Order is only effective when counter-signed by Pierce's authorized representative.

7. Cancellation/Termination. In the event this Agreement is cancelled or terminated by a party before completion, Pierce may charge a cancellation fee. The following charge schedule based on costs incurred may be applied: (a) 10% of the Purchase Price after order is accepted and entered by Pierce; (b) 20% of the Purchase Price after completion of approval drawings, and; (c) 30% of the Purchase Price upon any material requisition. The cancellation fee will increase accordingly as costs are incurred as the order progresses through engineering and into manufacturing. Pierce endeavors to mitigate any such costs through the sale of such Product to another purchaser; however Customer shall remain liable for the difference between the Purchase Price and, if applicable, the sale price obtained by Pierce upon sale of the Product to another purchaser, plus any costs incurred by Pierce to conduct any such sale.

8. Delivery, Inspection and Acceptance. (a) Delivery. Delivery of the Product is scheduled to be within 6 to 7 months of the Effective Date of this Agreement, F.O.B. Pierce's plant, Appleton, Wisconsin. Risk of loss shall pass to Customer upon Delivery. Title shall pass upon Customer's complete fulfillment of its obligations arising under Section 4 hereof. (b) Inspection and Acceptance. Upon Delivery, Customer shall have fifteen (15) days within which to inspect the Product for substantial conformance to the material Specifications, and in the event of substantial non-conformance to the material Specifications to furnish Pierce with written notice sufficient to permit Pierce to evaluate such non-conformance ("Notice of Defect"). Any Product not in substantial conformance to material Specifications

shall be remedied by Pierce within thirty (30) days from the Notice of Defect. In the event Pierce does not receive a Notice of Defect within fifteen (15) days of Delivery, Product will be deemed to be in conformance with Specifications and Accepted by Customer.

9. Notice. Any required or permitted notices hereunder must be given in writing at the address of each party set forth below, or to such other address as either party may substitute by written notice to the other in the manner contemplated herein, by one of the following methods: hand delivery; registered, express, or certified mail, return receipt requested, postage prepaid; or nationally-recognized private express courier:

Pierce Manufacturing, Inc.	City of Green River, Wyoming
Director of Order Management	By:
2600 American Drive	
Appleton WI 54912 Fax (920) 832-3080	H. Castillon, Mayor

10. Standard Warranty. Any applicable Pierce warranties are attached hereto as Exhibit B and made a part hereof. Any additional warranties must be expressly approved in writing by Pierce's authorized representative.

a. Disclaimer. OTHER THAN AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER PIERCE, ITS PARENT COMPANY, AFFILIATES, SUBSIDIARIES, LICENSORS OR SUPPLIERS, THEIR RESPECTIVE OFFICERS, DIRECTORS, EMPLOYEES, SHAREHOLDERS, AGENTS OR REPRESENTATIVES, MAKE ANY EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO THE PRODUCTS PROVIDED HEREUNDER OR OTHERWISE REGARDING THIS AGREEMENT, WHETHER ORAL OR WRITTEN, EXPRESS, IMPLIED OR STATUTORY. WITHOUT LIMITING THE FOREGOING, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, THE IMPLIED WARRANTY AGAINST INFRINGEMENT, AND THE IMPLIED WARRANTY OR CONDITION OF FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED AND DISCLAIMED. STATEMENTS MADE BY SALES REPRESENTATIVES OR IN PROMOTIONAL MATERIALS DO NOT CONSTITUTE WARRANTIES.

b. Exclusions of Incidental and Consequential Damages. In no event shall Pierce be liable for consequential, incidental or punitive damages incurred by Customer or any third party in connection with any matter arising out of or relating to this Agreement, or the breach thereof, regardless of whether such damages arise out of breach of warranty, tort, contract, strict liability, statutory liability, indemnity, whether resulting from non-delivery or from Pierce's own negligence, or otherwise.

11. Insurance. Pierce maintains the following limits of insurance with a carrier(s) rated A- or better by A.M. Best:

Commercial General Liability Insurance:

Products/Completed Operations Aggregate:	$1,000,000
Each Occurrence:	$1,000,000

Umbrella/Excess Liability Insurance:

Aggregate:	$25,000,000
Each Occurrence:	$25,000,000

The Customer may request: (*x*) Pierce to provide the Customer with a copy of a current Certificate of Insurance with the coverages listed above; (*y*) to be included as an additional insured as Customer's interests may appear (subject to the terms and conditions of the applicable Pierce insurance policy); and (*z*) request that, prior to cancellation or non-renewal of the applicable Pierce insurance policy, that the issuing carrier endeavor to provide thirty (30) days advance notice to the Customer of any such cancellation or non-renewal.

12. Indemnity. The Customer shall indemnify, defend and hold harmless Pierce, its officers, employees, dealers, agents or subcontractors, from any and all claims, costs, judgments, liability, loss, damage, attorneys' fees or expenses of any kind or nature whatsoever (including, but without limitation, personal injury and death) to all property and persons caused by, resulting from, arising out of or occurring in connection with the Customer's purchase, installation or use of goods sold or supplied by Pierce which are not caused by the negligence of Pierce.

13. Force Majeure. Pierce shall not be responsible nor deemed to be in default on account of delays in performance due to causes which are beyond Pierce's control which make Pierce's performance impracticable, including but not limited to civil wars, insurrections, strikes, riots, fires, storms, floods, other acts of nature, explosions, earthquakes, accidents, any act of government, delays in transportation, inability to obtain necessary labor supplies or manufacturing facilities, allocation regulations or orders affecting materials, equipment, facilities or completed products, failure to obtain any required license or certificates, acts of God or the public enemy or terrorism, failure of transportation, epidemics, quarantine restrictions, failure of vendors (due to causes similar to those within the scope of this clause) to perform their contracts or labor troubles causing cessation, slowdown, or interruption of work.

14. Default. The occurrence of one or more of the following shall constitute a default under this Agreement: (a) the Customer fails to pay

when due any amounts under this Agreement or to perform any of its obligations under this Agreement; (b) Pierce fails to perform any of its obligations under this Agreement; (c) either party becomes insolvent or become subject to a bankruptcy or insolvency proceedings; (d) any representation made by either party to induce the other to enter into this Agreement is false in any material respect; (e) the Customer dissolves, merges, consolidates or transfers a substantial portion of its property to another entity; or (f) the Customer is in default or has breached any other contract or agreement with Pierce.

15. Manufacturer's Statement of Origin. It is agreed that the manufacturer's statement of origin ("MSO") for the Product covered by this Agreement shall remain in the possession of Pierce until the entire Purchase Price has been paid. If more than one Product is covered by this Agreement, then the MSO for each individual Product shall remain in the possession of Pierce until the Purchase Price for that Product has been paid in full. In case of any default in payment, Pierce may take full possession of the Product, and any payments that have been made shall be applied as payment for the use of the Product up to the date of taking possession.

16. Independent Contractors. The relationship of the parties established under this Agreement is that of independent contractors and neither party is a partner, employee, agent, or joint venturer of or with the other.

17. Assignment. Neither party may assign its rights and obligations under this Agreement unless it has obtained the prior written approval of the other party.

18. Governing Law; Jurisdiction. Without regard to any conflict of laws provisions, this Agreement is to be governed by and under the laws of the state of Wyoming.

19. Facsimile Signatures. The delivery of signatures to this Agreement by facsimile transmission shall be binding as original signatures.

20. Entire Agreement. This Agreement shall be the exclusive agreement between the parties for the Product. Additional or different terms proposed by the Customer shall not be applicable, unless accepted in writing by Pierce's authorized representative. No change in, modification of, or revision of this Agreement shall be valid unless in writing and signed by Pierce's authorized representative.

21. Conflict. In the event of a conflict between the Customer Specifications and the Pierce Proposal, the Pierce Proposal shall control. In the event there is a conflict between the Pierce Proposal and this Agreement, the Pierce Proposal shall control.

22. Signatures. This Agreement is not effective unless and until it is approved, signed and dated by Pierce Manufacturing,

Inc.'s authorized representative.
Accepted and agreed to:

PIERCE MANUFACTURING, INC.	**City of Green River, Wyoming**:
Name:	By:
Title:	Title: Mayor of Green River
Date:	Date: July 05, 2011

EXHIBIT A

PURCHASE DETAIL FORM
Pierce Manufacturing, Inc.
Director of Order Management 2600 American Drive
Appleton WI 54912 Fax (920) 832-3080

Date: 6/10/2011

Customer Name: The City Of Green River Wy

Quantity	Chassis Type	Body Type	Price per Unit
2	Velocities	PUC Pumper	$544,845.00
			$
			$
			$
			$

[Insert any trade-in or applicable discounts here.] _____

Warranty Period: as stated in Specifications

Training Requirements: at Fire Dept. by Dealership

Other Matters: _____

This contract is available for inter-local and other municipal corporations to utilize with the option of adding or deleting any Pierce available options, including chassis models. Any addition or deletion may affect the unit price.

Payment Terms: Payment in Full, $ 1,089,689.00 within 45 days after delivery of both PUC Pumpers to Green River, Wyoming, Fire Station Number 2.

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[NOTE: If deferred payment arrangements are required, the Customer must make such financial arrangements through a financial institution acceptable to Pierce.] All taxes, excises and levies that Pierce may be required to pay or collect by reason of any present or future law or by any governmental authority based upon the sale, purchase, delivery, storage, processing, use, consumption, or transportation of the Product sold by Pierce to the Customer shall be for the account of the Customer and shall be added to the Purchase Price. All delivery prices or prices with freight allowance are based upon prevailing freight rates and, in the event of any increase or decrease in such rates, the prices on all unshipped Product will be increased or decreased accordingly. Delinquent payments shall be subject to a carrying charge of 1.5 percent per month or such lesser amount permitted by law. Pierce will not be required to accept payment other than as set forth in this Agreement. However, to avoid a late charge assessment in the event of a dispute caused by a substantial nonconformance with material Specifications (other than freight), the Customer may withhold up to five percent (5%) of the Purchase Price until such time that Pierce substantially remedies the nonconformance with material Specifications, but no longer than sixty (60) days after Delivery. If the disputed amount is the freight charge, the Customer may withhold only the amount of the freight charge until the dispute is settled, but no longer than sixty (60) days after Delivery. Pierce shall have and retain a purchase money security interest in all goods and products now or hereafter sold to the Customer by Pierce or any of its affiliated companies to secure payment of the Purchase Price for all such goods and products. In the event of nonpayment by the Customer of any debt, obligation or liability now or hereafter incurred or owing by the Customer to Pierce, Pierce shall have and may exercise all rights and remedies of a secured party under Article 9 of the Uniform Commercial Code (UCC) as adopted by the state of Wisconsin.

THIS PURCHASE DETAIL FORM IS EXPRESSLY SUBJECT TO THE PURCHASE AGREEMENT TERMS AND CONDITIONS DATED AS OF June 10th, 2011BETWEEN PIERCE MANUFACTURING INC. AND City of Green River Wyoming. WHICH TERMS AND CONDITIONS ARE HEREBY INCORPORATED IN, AND MADE PART OF, THIS PURCHASE DETAIL FORM AS THOUGH EACH PROVISION WERE SEPARATELY SET FORTH HEREIN, EXCEPT TO THE EXTENT OTHERWISE STATED OR SUPPLEMENTED BY PIERCE MANUFACTURING INC. HEREIN.

EXHIBIT B

WARRANTY

SEE PROPOSAL DATED 04/28/2011 BY FRONT RANGE FIRE APPARATUS FOR GREEN RIVER, WYOMING FOR ALL APPLICABLE WARRANTIES.

EXHIBIT C

PIERCE PROPOSAL

SEE PIERCE PROPOSAL DATED 04/28/2011 BY FRONT RANGE FIRE APPARATUS FOR GREEN RIVER, WYOMING FOR ALL APPLICABLE WARRANTIES.

Fire and Rescue Apparatus

One (1) Year Material and Workmanship

Basic Apparatus

Limited Warranty

1. LIMITED WARRANTY

Subject to the limitations and exclusions set forth below, Pierce Manufacturing provides the following warranty to the Buyer:

Coverage:	**Portions of the apparatus manufactured by Pierce shall be free from defects in material and workmanship**
Warranty Begins:	**The date the apparatus is placed in service, or 60 days from the original buyer invoice date, whichever comes first.**
Warranty Period Ends After:	**Twelve (12) months.**
Conditions and Exclusions: **See Also Paragraphs 2 thru 4**	**No specific exclusions apply**

This limited warranty shall apply only if the product is properly maintained in accordance with Pierce's maintenance instructions and manuals and is used in service which is normal to the particular model. Normal service means service which does not subject the product to stresses or impacts greater than normally result from careful use. If the Buyer discovers a defect or nonconformity, it must notify Pierce in writing within thirty (30) days after the date of discovery, but in any event prior to the expiration of the warranty period. THIS LIMITED WARRANTY MAY NOT BE ASSIGNED OR OTHERWISE TRANSFERRED BY THE BUYER TO ANY SUBSEQUENT USER OR PURCHASER OR TO ANY OTHER PERSON OR ENTITY.

Notwithstanding anything to the contrary herein, Pierce makes no warranty whatsoever as to:

(a) any integral parts, components, attachments or trade accessories of or to the product that are not manufactured by Pierce, including but not limited to engines, transmissions, drivelines, axles, water pumps and generators; with respect to all such parts, components, attachments and accessories, Pierce shall assign to Buyer the applicable warranties, if any, made by the respective manufacturers thereof;

(b) any vehicle, chassis, or component, part, attachment or accessory damaged by misuse, neglect, fire, exposure to severe environmental or chemical conditions, acidic environment, improper maintenance, accident, crash, or force majeure such as natural disaster, lightning, earthquake, windstorm, hail, flood, war or riot;

(c) any vehicle, chassis or component, part, attachment or accessory that has been repaired, altered or assembled in any way by any person or entity other than Pierce which, in the sole judgment of Pierce, adversely affects the performance, stability or purpose for which it was manufactured; or

(d) products or parts which may in the ordinary course wear out and have to be replaced during the warranty period, including, but not limited to, tires, fluids, gaskets and light bulbs. Pierce assumes no responsibility for the assembly of its parts or subassemblies into finishing products or vehicles unless the assembly is performed by Pierce.

The original purchaser may void this warranty in part or in its entirety if the product is repaired or replaced (a) without prior written approval of the Pierce Customer Service Department; or (b) at a facility which has not been approved by Pierce as to technical capability. Any repairs, modifications, alterations or aftermarket parts added after manufacture without the authorization of Pierce may void this warranty.

2. DISCLAIMERS OF WARRANTIES

THE WARRANTY SET FORTH IN PARAGRAPH 1 IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY PIERCE. PIERCE HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY, ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND ANY WARRANTIES ARISING FROM COURSE OF DEALING OR USAGE OF TRADE.

3. BUYER'S EXCLUSIVE REMEDY.

If the product fails to conform to the warranty set forth in paragraph 1 during the warranty period, and such nonconformity is not due to misuse, neglect, accident or improper maintenance, Buyer must notify Pierce within the time period specified in paragraph 1, and shall make the product available for inspection by Pierce or its designated agent. At the request of Pierce, any allegedly defective product shall be returned to Pierce by Buyer for examination and/or repair. Buyer shall be responsible for the cost of such transportation, and for risk of loss of or damage to the product during transportation. Within a reasonable time, Pierce shall repair or replace (at Pierce's option and expense) any nonconforming or defective parts. Repair or replacement shall be made only by a facility approved in advance in writing by Pierce. THIS REMEDY SHALL BE THE EXCLUSIVE AND SOLE REMEDY FOR ANY BREACH OF WARRANTY.

4. EXCLUSION OF CONSEQUENTIAL AND INCIDENTAL DAMAGES.

Notwithstanding anything to the contrary herein or in any agreement between Pierce and Buyer, IN NO EVENT SHALL PIERCE BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, INDIRECT, OR PUNITIVE DAMAGES WHATSOEVER, WHETHER ARISING OUT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORY OF LAW OR EQUITY, WITH RESPECT TO VEHICLES OR OTHER PRODUCTS SOLD BY PIERCE, OR THEIR OPERATION OR FAILURE TO OPERATE, OR ANY DEFECTS THEREIN, OR ANY UNDERTAKINGS, ACTS OR OMISSIONS RELATED THERETO, REGARDLESS OF WHETHER PIERCE HAS BEEN INFORMED OF THE POSSIBILITY OF ANY SUCH DAMAGES. Without limiting the generality of the foregoing, Pierce specifically disclaims any liability for property or personal injury damages, penalties, damages for lost profits or revenues, loss of vehicles or products or any associated equipment, cost of substitute vehicles or products, down-time, delay damages, any other types of economic loss, or for any claims by any third party for any such damages.

Note: Any Surety Bond, if a part of the sale of the vehicle as to which this limited warranty is provided, applies only to this Pierce Basic One Year Limited Warranty for such vehicle, and not to other warranties made by Pierce in a separate document (if any) or to the warranties (if any) made by any manufacturer (other than Pierce) of any part, component, attachment or accessory that is incorporated into or attached to the vehicle.

2/8/2010 WA0008

Fire and Rescue Apparatus

Three (3) Year Material and Workmanship

Velocity and Impel Custom Chassis

Limited Warranty

1. LIMITED WARRANTY

Subject to the limitations and exclusions set forth below, Pierce Manufacturing provides the following warranty to the Buyer:

Coverage:	**Portions of the apparatus manufactured by Pierce shall be free from defects in material and workmanship**
Warranty Begins:	**The date the apparatus is placed in service, or 60 days from the original buyer invoice date, whichever comes first.**
Warranty Period Ends After:	**Three (3) Years, or 30,000 Miles, or 5000 Engine Hours**
Conditions and Exclusions: **See Also Paragraphs 2 thru 4**	**This limited warranty applies, where applicable, to Goldstar lamination, defroster heater coil and motor blower assembly (excluding the FET PWM module), heater, air conditioning condenser coil and fan/motor assembly, air conditioning evaporator coil and motor blower assembly (excluding the drain pan pump and thermostat), under seat heaters coil and motor blower assembly (excluding the FET PWM module), HVAC electronic switches, HVAC hoses and hard lines, heater water valve, Pierce PS6 seat frames and hardware, Pierce One Eleven mirrors, Pierce hands-free scab holder, cracking or color loss of roto-molded components, Meritor rear axle, Wabco ABS system, Champs transmission cooler (including $10,000 collateral damage), cab door handles, Standen spring suspension components, and the gauge instrument cluster.**

This limited warranty shall apply only if the product is properly maintained in accordance with Pierce's maintenance instructions and manuals and is used in service which is normal to the particular model. Normal service means service which does not subject the product to stresses or impacts greater than normally result from careful use. If the Buyer discovers a defect or nonconformity, it must notify Pierce in writing within thirty (30) days after the date of discovery, but in any event prior to the expiration of the warranty period. THIS LIMITED WARRANTY MAY NOT BE ASSIGNED OR OTHERWISE TRANSFERRED BY THE BUYER TO ANY SUBSEQUENT USER OR PURCHASER OR TO ANY OTHER PERSON OR ENTITY.

Notwithstanding anything to the contrary herein, Pierce makes no warranty whatsoever as to:

(a) any integral parts, components, attachments or trade accessories of or to the product that are not manufactured by Pierce, including but not limited to engines, transmissions, drivelines, axles, water pumps and generators; with respect to all such parts, components, attachments and accessories, Pierce shall assign to Buyer the applicable warranties, if any, made by the respective manufacturers thereof;

(b) any vehicle, chassis, or component, part, attachment or accessory damaged by misuse, neglect, fire, exposure to severe environmental or chemical conditions, acidic environment, improper maintenance, accident, crash, or force majeure such as natural disaster, lightning, earthquake, windstorm, hail, flood, war or riot;

(c) any vehicle, chassis or component, part, attachment or accessory that has been repaired, altered or assembled in any way by any person or entity other than Pierce which, in the sole judgment of Pierce, adversely affects the performance, stability or purpose for which it was manufactured; or

(d) products or parts which may in the ordinary course wear out and have to be replaced during the warranty period, including, but not limited to, tires, fluids, gaskets and light bulbs. Pierce assumes no responsibility for the assembly of its parts or subassemblies into finishing products or vehicles unless the assembly is performed by Pierce.

The original purchaser may void this warranty in part or in its entirety if the product is repaired or replaced (a) without prior written approval of the Pierce Customer Service Department; or (b) at a facility which has not been approved by Pierce as to technical capability. Any repairs, modifications, alterations or aftermarket parts added after manufacture without the authorization of Pierce may void this warranty.

2. DISCLAIMERS OF WARRANTIES

THE WARRANTY SET FORTH IN PARAGRAPH 1 IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY PIERCE. PIERCE HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY, ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND ANY WARRANTIES ARISING FROM COURSE OF DEALING OR USAGE OF TRADE.

3. BUYER'S EXCLUSIVE REMEDY.

If the product fails to conform to the warranty set forth in paragraph 1 during the warranty period, and such nonconformity is not due to misuse, neglect, accident or improper maintenance, Buyer must notify Pierce within the time period specified in paragraph 1, and shall make the product available for inspection by Pierce or its designated agent. At the request of Pierce, any allegedly defective product shall be returned to Pierce by Buyer for examination and/or repair. Buyer shall be responsible for the cost of such transportation, and for risk of loss of or damage to the product during transportation. Within a reasonable time, Pierce shall repair or replace (at Pierce's option and expense) any nonconforming or defective parts. Repair or replacement shall be made only by a facility approved in advance in writing by Pierce. THIS REMEDY SHALL BE THE EXCLUSIVE AND SOLE REMEDY FOR ANY BREACH OF WARRANTY.

4. EXCLUSION OF CONSEQUENTIAL AND INCIDENTAL DAMAGES.

Notwithstanding anything to the contrary herein or in any agreement between Pierce and Buyer, IN NO EVENT SHALL PIERCE BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, INDIRECT, OR PUNITIVE DAMAGES WHATSOEVER, WHETHER ARISING OUT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORY OF LAW OR EQUITY, WITH RESPECT TO VEHICLES OR OTHER PRODUCTS SOLD BY PIERCE, OR THEIR OPERATION OR FAILURE TO OPERATE, OR ANY DEFECTS THEREIN, OR ANY UNDERTAKINGS, ACTS OR OMISSIONS RELATED THERETO, REGARDLESS OF WHETHER PIERCE HAS BEEN INFORMED OF THE POSSIBILITY OF ANY SUCH DAMAGES. Without limiting the generality of the foregoing, Pierce specifically disclaims any liability for property or personal injury damages, penalties, damages for lost profits or revenues, loss of vehicles or products or any associated equipment, cost of substitute vehicles or products, down-time, delay damages, any other types of economic loss, or for any claims by any third party for any such damages.

Note: Any Surety Bond, if a part of the sale of the vehicle as to which this limited warranty is provided, applies only to this Pierce Basic One Year Limited Warranty for such vehicle, and not to other warranties made by Pierce in a separate document (if any) or to the warranties (if any) made by any manufacturer (other than Pierce) of any part, component, attachment or accessory that is incorporated into or attached to the vehicle.

2/8/2010 WA0037

Fire and Rescue Apparatus

Lifetime Fifty (50) Year Structural Integrity
Chassis Frame & Crossmembers

Limited Warranty

1. LIMITED WARRANTY

Subject to the limitations and exclusions set forth below, Pierce Manufacturing provides the following warranty to the Buyer:

Coverage:	**Custom chassis frame rail and cross members manufactured by Pierce shall be free from defects in material and workmanship**
Warranty Begins:	**The date of the original purchase invoice (issued when the product ships from the factory).**
Warranty Period Ends After:	**Fifty (50) Years (Expected Life of Apparatus)**
Conditions and Exclusions: **See Also Paragraphs 2 thru 4**	**This warranty does not apply to damage caused by corrosion.**

This limited warranty shall apply only if the product is properly maintained in accordance with Pierce's maintenance instructions and manuals and is used in service which is normal to the particular model. Normal service means service which does not subject the product to stresses or impacts greater than normally result from careful use. If the Buyer discovers a defect or nonconformity, it must notify Pierce in writing within thirty (30) days after the date of discovery, but in any event prior to the expiration of the warranty period. THIS LIMITED WARRANTY MAY NOT BE ASSIGNED OR OTHERWISE TRANSFERRED BY THE BUYER TO ANY SUBSEQUENT USER OR PURCHASER OR TO ANY OTHER PERSON OR ENTITY.

Notwithstanding anything to the contrary herein, Pierce makes no warranty whatsoever as to:

(a) any integral parts, components, attachments or trade accessories of or to the product that are not manufactured by Pierce, including but not limited to engines, transmissions, drivelines, axles, water pumps and generators; with respect to all such parts, components, attachments and accessories, Pierce shall assign to Buyer the applicable warranties, if any, made by the respective manufacturers thereof;

(b) any vehicle, chassis, or component, part, attachment or accessory damaged by misuse, neglect, fire, exposure to severe environmental or chemical conditions, acidic environment, improper maintenance, accident, crash, or force majeure such as natural disaster, lightning, earthquake, windstorm, hail, flood, war or riot;

(c) any vehicle, chassis or component, part, attachment or accessory that has been repaired, altered or assembled in any way by any person or entity other than Pierce which, in the sole judgment of Pierce, adversely affects the performance, stability or purpose for which it was manufactured; or

(d) products or parts which may in the ordinary course wear out and have to be replaced during the warranty period, including, but not limited to, tires, fluids, gaskets and light bulbs. Pierce assumes no responsibility for the assembly of its parts or subassemblies into finishing products or vehicles unless the assembly is performed by Pierce.

The original purchaser may void this warranty in part or in its entirety if the product is repaired or replaced (a) without prior written approval of the Pierce Customer Service Department; or (b) at a facility which has not been approved by Pierce as to technical capability. Any repairs, modifications, alterations or aftermarket parts added after manufacture without the authorization of Pierce may void this warranty.

2. DISCLAIMERS OF WARRANTIES

THE WARRANTY SET FORTH IN PARAGRAPH 1 IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY PIERCE. PIERCE HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY, ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND ANY WARRANTIES ARISING FROM COURSE OF DEALING OR USAGE OF TRADE.

3. BUYER'S EXCLUSIVE REMEDY.

If the product fails to conform to the warranty set forth in paragraph 1 during the warranty period, and such nonconformity is not due to misuse, neglect, accident or improper maintenance, Buyer must notify Pierce within the time period specified in paragraph 1, and shall make the product available for inspection by Pierce or its designated agent. At the request of Pierce, any allegedly defective product shall be returned to Pierce by Buyer for examination and/or repair. Buyer shall be responsible for the cost of such transportation, and for risk of loss of or damage to the product during transportation. Within a reasonable time, Pierce shall repair or replace (at Pierce's option and expense) any nonconforming or defective parts. Repair or replacement shall be made only by a facility approved in advance in writing by Pierce. THIS REMEDY SHALL BE THE EXCLUSIVE AND SOLE REMEDY FOR ANY BREACH OF WARRANTY.

4. EXCLUSION OF CONSEQUENTIAL AND INCIDENTAL DAMAGES.

Notwithstanding anything to the contrary herein or in any agreement between Pierce and Buyer, IN NO EVENT SHALL PIERCE BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, INDIRECT, OR PUNITIVE DAMAGES WHATSOEVER, WHETHER ARISING OUT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORY OF LAW OR EQUITY, WITH RESPECT TO VEHICLES OR OTHER PRODUCTS SOLD BY PIERCE, OR THEIR OPERATION OR FAILURE TO OPERATE, OR ANY DEFECTS THEREIN, OR ANY UNDERTAKINGS, ACTS OR OMISSIONS RELATED THERETO, REGARDLESS OF WHETHER PIERCE HAS BEEN INFORMED OF THE POSSIBILITY OF ANY SUCH DAMAGES. Without limiting the generality of the foregoing, Pierce specifically disclaims any liability for property or personal injury damages, penalties, damages for lost profits or revenues, loss of vehicles or products or any associated equipment, cost of substitute vehicles or products, down-time, delay damages, any other types of economic loss, or for any claims by any third party for any such damages.

Note: Any Surety Bond, if a part of the sale of the vehicle as to which this limited warranty is provided, applies only to this Pierce Basic One Year Limited Warranty for such vehicle, and not to other warranties made by Pierce in a separate document (if any) or to the warranties (if any) made by any manufacturer (other than Pierce) of any part, component, attachment or accessory that is incorporated into or attached to the vehicle.

2/16/2010 WA0038

Fire and Rescue Apparatus

Ten (10) Year Structural Integrity

Custom Cab

Limited Warranty

1. LIMITED WARRANTY

Subject to the limitations and exclusions set forth below, Pierce Manufacturing provides the following warranty to the Buyer:

Coverage:	**The Pierce Custom Cab shall be free from structural failures caused by defects in material and workmanship**
Warranty Begins:	**The date of the original purchase invoice (issued when the product ships from the factory).**
Warranty Period Ends After:	**Ten (10) Years - or - 100,000 Miles**
Conditions and Exclusions: **See Also Paragraphs 2 thru 4**	**This warranty applies only to the cab tubular support and mounting structures and other structural components of the cab of the vehicle model, as identified in the Pierce specifications for the Fire and Rescue Apparatus.** **This warranty does not apply to damage caused by corrosion.**

This limited warranty shall apply only if the product is properly maintained in accordance with Pierce's maintenance instructions and manuals and is used in service which is normal to the particular model. Normal service means service which does not subject the product to stresses or impacts greater than normally result from careful use. If the Buyer discovers a defect or nonconformity, it must notify Pierce in writing within thirty (30) days after the date of discovery, but in any event prior to the expiration of the warranty period. THIS LIMITED WARRANTY MAY NOT BE ASSIGNED OR OTHERWISE TRANSFERRED BY THE BUYER TO ANY SUBSEQUENT USER OR PURCHASER OR TO ANY OTHER PERSON OR ENTITY.

Notwithstanding anything to the contrary herein, Pierce makes no warranty whatsoever as to:

(a) any integral parts, components, attachments or trade accessories of or to the product that are not manufactured by Pierce, including but not limited to engines, transmissions, drivelines, axles, water pumps and generators; with respect to all such parts, components, attachments and accessories, Pierce shall assign to Buyer the applicable warranties, if any, made by the respective manufacturers thereof;

(b) any vehicle, chassis, or component, part, attachment or accessory damaged by misuse, neglect, fire, exposure to severe environmental or chemical conditions, acidic environment, improper maintenance, accident, crash, or force majeure such as natural disaster, lightning, earthquake, windstorm, hail, flood, war or riot;

(c) any vehicle, chassis or component, part, attachment or accessory that has been repaired, altered or assembled in any way by any person or entity other than Pierce which, in the sole judgment of Pierce, adversely affects the performance, stability or purpose for which it was manufactured; or

(d) products or parts which may in the ordinary course wear out and have to be replaced during the warranty period, including, but not limited to, tires, fluids, gaskets and light bulbs. Pierce assumes no responsibility for the assembly of its parts or subassemblies into finishing products or vehicles unless the assembly is performed by Pierce.

The original purchaser may void this warranty in part or in its entirety if the product is repaired or replaced (a) without prior written approval of the Pierce Customer Service Department; or (b) at a facility which has not been approved by Pierce as to technical capability. Any repairs, modifications, alterations or aftermarket parts added after manufacture without the authorization of Pierce may void this warranty.

2. DISCLAIMERS OF WARRANTIES

THE WARRANTY SET FORTH IN PARAGRAPH 1 IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY PIERCE. PIERCE HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY, ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND ANY WARRANTIES ARISING FROM COURSE OF DEALING OR USAGE OF TRADE.

3. BUYER'S EXCLUSIVE REMEDY.

If the product fails to conform to the warranty set forth in paragraph 1 during the warranty period, and such nonconformity is not due to misuse, neglect, accident or improper maintenance, Buyer must notify Pierce within the time period specified in paragraph 1, and shall make the product available for inspection by Pierce or its designated agent. At the request of Pierce, any allegedly defective product shall be returned to Pierce by Buyer for examination and/or repair. Buyer shall be responsible for the cost of such transportation, and for risk of loss of or damage to the product during transportation. Within a reasonable time, Pierce shall repair or replace (at Pierce's option and expense) any nonconforming or defective parts. Repair or replacement shall be made only by a facility approved in advance in writing by Pierce. THIS REMEDY SHALL BE THE EXCLUSIVE AND SOLE REMEDY FOR ANY BREACH OF WARRANTY.

4. EXCLUSION OF CONSEQUENTIAL AND INCIDENTAL DAMAGES.

Notwithstanding anything to the contrary herein or in any agreement between Pierce and Buyer, IN NO EVENT SHALL PIERCE BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, INDIRECT, OR PUNITIVE DAMAGES WHATSOEVER, WHETHER ARISING OUT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORY OF LAW OR EQUITY, WITH RESPECT TO VEHICLES OR OTHER PRODUCTS SOLD BY PIERCE, OR THEIR OPERATION OR FAILURE TO OPERATE, OR ANY DEFECTS THEREIN, OR ANY UNDERTAKINGS, ACTS OR OMISSIONS RELATED THERETO, REGARDLESS OF WHETHER PIERCE HAS BEEN INFORMED OF THE POSSIBILITY OF ANY SUCH DAMAGES. Without limiting the generality of the foregoing, Pierce specifically disclaims any liability for property or personal injury damages, penalties, damages for lost profits or revenues, loss of vehicles or products or any associated equipment, cost of substitute vehicles or products, down-time, delay damages, any other types of economic loss, or for any claims by any third party for any such damages.

Note: Any Surety Bond, if a part of the sale of the vehicle as to which this limited warranty is provided, applies only to this Pierce Basic One Year Limited Warranty for such vehicle, and not to other warranties made by Pierce in a separate document (if any) or to the warranties (if any) made by any manufacturer (other than Pierce) of any part, component, attachment or accessory that is incorporated into or attached to the vehicle.

2/8/2010 WA0012

Fire and Rescue Apparatus

Ten (10) Year Structural Integrity

Apparatus Body

Limited Warranty

1. LIMITED WARRANTY

Subject to the limitations and exclusions set forth below, Pierce Manufacturing provides the following warranty to the Buyer:

Coverage:	**The apparatus body shall be free from structural failures caused by defects in material and workmanship**
Warranty Begins:	**The date of the original purchase invoice (issued when the product ships from the factory).**
Warranty Period Ends After:	**Ten (10) Years - or - 100,000 Miles**
Conditions and Exclusions: **See Also Paragraphs 2 thru 4**	**This warranty applies only to the body tubular support and mounting structures and other structural components of the body of the vehicle model, as identified in the Pierce specifications for the Fire and Rescue Apparatus.** **This warranty does not apply to damage caused by corrosion.**

This limited warranty shall apply only if the product is properly maintained in accordance with Pierce's maintenance instructions and manuals and is used in service which is normal to the particular model. Normal service means service which does not subject the product to stresses or impacts greater than normally result from careful use. If the Buyer discovers a defect or nonconformity, it must notify Pierce in writing within thirty (30) days after the date of discovery, but in any event prior to the expiration of the warranty period. THIS LIMITED WARRANTY MAY NOT BE ASSIGNED OR OTHERWISE TRANSFERRED BY THE BUYER TO ANY SUBSEQUENT USER OR PURCHASER OR TO ANY OTHER PERSON OR ENTITY.

Notwithstanding anything to the contrary herein, Pierce makes no warranty whatsoever as to:

(a) any integral parts, components, attachments or trade accessories of or to the product that are not manufactured by Pierce, including but not limited to engines, transmissions, drivelines, axles, water pumps and generators; with respect to all such parts, components, attachments and accessories, Pierce shall assign to Buyer the applicable warranties, if any, made by the respective manufacturers thereof;

(b) any vehicle, chassis, or component, part, attachment or accessory damaged by misuse, neglect, fire, exposure to severe environmental or chemical conditions, acidic environment, improper maintenance, accident, crash, or force majeure such as natural disaster, lightning, earthquake, windstorm, hail, flood, war or riot;

(c) any vehicle, chassis or component, part, attachment or accessory that has been repaired, altered or assembled in any way by any person or entity other than Pierce which, in the sole judgment of Pierce, adversely affects the performance, stability or purpose for which it was manufactured; or

(d) products or parts which may in the ordinary course wear out and have to be replaced during the warranty period, including, but not limited to, tires, fluids, gaskets and light bulbs. Pierce assumes no responsibility for the assembly of its parts or subassemblies into finishing products or vehicles unless the assembly is performed by Pierce.

The original purchaser may void this warranty in part or in its entirety if the product is repaired or replaced (a) without prior written approval of the Pierce Customer Service Department; or (b) at a facility which has not been approved by Pierce as to technical capability. Any repairs, modifications, alterations or aftermarket parts added after manufacture without the authorization of Pierce may void this warranty.

2. DISCLAIMERS OF WARRANTIES

THE WARRANTY SET FORTH IN PARAGRAPH 1 IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY PIERCE. PIERCE HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY, ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND ANY WARRANTIES ARISING FROM COURSE OF DEALING OR USAGE OF TRADE.

3. BUYER'S EXCLUSIVE REMEDY.

If the product fails to conform to the warranty set forth in paragraph 1 during the warranty period, and such nonconformity is not due to misuse, neglect, accident or improper maintenance, Buyer must notify Pierce within the time period specified in paragraph 1, and shall make the product available for inspection by Pierce or its designated agent. At the request of Pierce, any allegedly defective product shall be returned to Pierce by Buyer for examination and/or repair. Buyer shall be responsible for the cost of such transportation, and for risk of loss of or damage to the product during transportation. Within a reasonable time, Pierce shall repair or replace (at Pierce's option and expense) any nonconforming or defective parts. Repair or replacement shall be made only by a facility approved in advance in writing by Pierce. THIS REMEDY SHALL BE THE EXCLUSIVE AND SOLE REMEDY FOR ANY BREACH OF WARRANTY.

4. EXCLUSION OF CONSEQUENTIAL AND INCIDENTAL DAMAGES.

Notwithstanding anything to the contrary herein or in any agreement between Pierce and Buyer, IN NO EVENT SHALL PIERCE BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, INDIRECT, OR PUNITIVE DAMAGES WHATSOEVER, WHETHER ARISING OUT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORY OF LAW OR EQUITY, WITH RESPECT TO VEHICLES OR OTHER PRODUCTS SOLD BY PIERCE, OR THEIR OPERATION OR FAILURE TO OPERATE, OR ANY DEFECTS THEREIN, OR ANY UNDERTAKINGS, ACTS OR OMISSIONS RELATED THERETO, REGARDLESS OF WHETHER PIERCE HAS BEEN INFORMED OF THE POSSIBILITY OF ANY SUCH DAMAGES. Without limiting the generality of the foregoing, Pierce specifically disclaims any liability for property or personal injury damages, penalties, damages for lost profits or revenues, loss of vehicles or products or any associated equipment, cost of substitute vehicles or products, down-time, delay damages, any other types of economic loss, or for any claims by any third party for any such damages.

Note: Any Surety Bond, if a part of the sale of the vehicle as to which this limited warranty is provided, applies only to this Pierce Basic One Year Limited Warranty for such vehicle, and not to other warranties made by Pierce in a separate document (if any) or to the warranties (if any) made by any manufacturer (other than Pierce) of any part, component, attachment or accessory that is incorporated into or attached to the vehicle.

2/8/2010 WA0009

Fire and Rescue Apparatus

Six (6) Year Material and Workmanship

PUC Pump

Limited Warranty

1. LIMITED WARRANTY

Subject to the limitations and exclusions set forth below, Pierce Manufacturing provides the following warranty to the Buyer:

Coverage:	**The PUC Pump and its components manufactured under the Pierce brand in its Fire and Rescue Apparatus vehicle shall be free from failures caused by defects in material and workmanship**
Warranty Begins:	**The date of the original purchase invoice (issued when the product ships from the factory).**
Warranty Period Ends After:	**Six (6) Years - or - 3000 Pump Hours**
Conditions and Exclusions: **See Also Paragraphs 2 thru 4**	**This limited warranty applies to the PUC Pump and all its components manufactured under the Pierce brand. Items not manufactured under the Pierce brand such as valves, relief valves or wear items such as wear rings, seals, bearings or costs of removal, transporting, storing, or reinstallation are not covered by this six-year limited warranty and are instead covered under the Pierce Basic One Year Limited Warranty.**

This limited warranty shall apply only if the product is properly maintained in accordance with Pierce's maintenance instructions and manuals and is used in service which is normal to the particular model. Normal service means service which does not subject the product to stresses or impacts greater than normally result from careful use. If the Buyer discovers a defect or nonconformity, it must notify Pierce in writing within thirty (30) days after the date of discovery, but in any event prior to the expiration of the warranty period. THIS LIMITED WARRANTY MAY NOT BE ASSIGNED OR OTHERWISE TRANSFERRED BY THE BUYER TO ANY SUBSEQUENT USER OR PURCHASER OR TO ANY OTHER PERSON OR ENTITY.

Notwithstanding anything to the contrary herein, Pierce makes no warranty whatsoever as to:

(a) any integral parts, components, attachments or trade accessories of or to the product that are not manufactured by Pierce, including but not limited to engines, transmissions, drivelines, axles, water pumps and generators; with respect to all such parts, components, attachments and accessories, Pierce shall assign to Buyer the applicable warranties, if any, made by the respective manufacturers thereof;

(b) any vehicle, chassis, or component, part, attachment or accessory damaged by misuse, neglect, fire, exposure to severe environmental or chemical conditions, acidic environment, improper maintenance, accident, crash, or force majeure such as natural disaster, lightning, earthquake, windstorm, hail, flood, war or riot;

(c) any vehicle, chassis or component, part, attachment or accessory that has been repaired, altered or assembled in any way by any person or entity other than Pierce which, in the sole judgment of Pierce, adversely affects the performance, stability or purpose for which it was manufactured; or

(d) products or parts which may in the ordinary course wear out and have to be replaced during the warranty period, including, but not limited to, tires, fluids, gaskets and light bulbs. Pierce assumes no responsibility for the assembly of its parts or subassemblies into finishing products or vehicles unless the assembly is performed by Pierce.

The original purchaser may void this warranty in part or in its entirety if the product is repaired or replaced (a) without prior written approval of the Pierce Customer Service Department; or (b) at a facility which has not been approved by Pierce as to technical capability. Any repairs, modifications, alterations or aftermarket parts added after manufacture without the authorization of Pierce may void this warranty.

2. DISCLAIMERS OF WARRANTIES

THE WARRANTY SET FORTH IN PARAGRAPH 1 IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY PIERCE. PIERCE HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY, ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND ANY WARRANTIES ARISING FROM COURSE OF DEALING OR USAGE OF TRADE.

3. BUYER'S EXCLUSIVE REMEDY.

If the product fails to conform to the warranty set forth in paragraph 1 during the warranty period, and such nonconformity is not due to misuse, neglect, accident or improper maintenance, Buyer must notify Pierce within the time period specified in paragraph 1, and shall make the product available for inspection by Pierce or its designated agent. At the request of Pierce, any allegedly defective product shall be returned to Pierce by Buyer for examination and/or repair. Buyer shall be responsible for the cost of such transportation, and for risk of loss of or damage to the product during transportation. Within a reasonable time, Pierce shall repair or replace (at Pierce's option and expense) any nonconforming or defective parts. Repair or replacement shall be made only by a facility approved in advance in writing by Pierce. THIS REMEDY SHALL BE THE EXCLUSIVE AND SOLE REMEDY FOR ANY BREACH OF WARRANTY.

4. EXCLUSION OF CONSEQUENTIAL AND INCIDENTAL DAMAGES.

Notwithstanding anything to the contrary herein or in any agreement between Pierce and Buyer, IN NO EVENT SHALL PIERCE BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, INDIRECT, OR PUNITIVE DAMAGES WHATSOEVER, WHETHER ARISING OUT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORY OF LAW OR EQUITY, WITH RESPECT TO VEHICLES OR OTHER PRODUCTS SOLD BY PIERCE, OR THEIR OPERATION OR FAILURE TO OPERATE, OR ANY DEFECTS THEREIN, OR ANY UNDERTAKINGS, ACTS OR OMISSIONS RELATED THERETO, REGARDLESS OF WHETHER PIERCE HAS BEEN INFORMED OF THE POSSIBILITY OF ANY SUCH DAMAGES. Without limiting the generality of the foregoing, Pierce specifically disclaims any liability for property or personal injury damages, penalties, damages for lost profits or revenues, loss of vehicles or products or any associated equipment, cost of substitute vehicles or products, down-time, delay damages, any other types of economic loss, or for any claims by any third party for any such damages.

Note: Any Surety Bond, if a part of the sale of the vehicle as to which this limited warranty is provided, applies only to this Pierce Basic One Year Limited Warranty for such vehicle, and not to other warranties made by Pierce in a separate document (if any) or to the warranties (if any) made by any manufacturer (other than Pierce) of any part, component, attachment or accessory that is incorporated into or attached to the vehicle.

2/8/2010 WA0039

Fire and Rescue Apparatus

Ten (10) Year Material and Workmanship
Stainless Steel Piping

Limited Warranty

1. LIMITED WARRANTY

Subject to the limitations and exclusions set forth below, Pierce Manufacturing provides the following warranty to the Buyer:

Coverage:	**Stainless steel piping that is 3.00 inches and smaller in diameter shall be free from structural failures caused by defects in material and workmanship, or perforation caused by corrosion.**
Warranty Begins:	**The date of the original purchase invoice (issued when the product ships from the factory).**
Warranty Period Ends After:	**Ten (10) Years - or - 100,000 Miles**
Conditions and Exclusions: **See Also Paragraphs 2 thru 4**	**Pierce's obligation under this warranty is limited to repairing or replacing without charge, as Pierce may elect, the stainless steel piping or components which Pierce determines to have failed due to defective material and workmanship, or perforation caused by corrosion.** **This warranty does not cover the use of fluoroprotein (FP) type foam. The sodium chloride within FP foam can cause long-term damage to system components if not thoroughly flushed immediately after use.**

This limited warranty shall apply only if the product is properly maintained in accordance with Pierce's maintenance instructions and manuals and is used in service which is normal to the particular model. Normal service means service which does not subject the product to stresses or impacts greater than normally result from careful use. If the Buyer discovers a defect or nonconformity, it must notify Pierce in writing within thirty (30) days after the date of discovery, but in any event prior to the expiration of the warranty period. THIS LIMITED WARRANTY MAY NOT BE ASSIGNED OR OTHERWISE TRANSFERRED BY THE BUYER TO ANY SUBSEQUENT USER OR PURCHASER OR TO ANY OTHER PERSON OR ENTITY.

Notwithstanding anything to the contrary herein, Pierce makes no warranty whatsoever as to:

(a) any integral parts, components, attachments or trade accessories of or to the product that are not manufactured by Pierce, including but not limited to engines, transmissions, drivelines, axles, water pumps and generators; with respect to all such parts, components, attachments and accessories, Pierce shall assign to Buyer the applicable warranties, if any, made by the respective manufacturers thereof;

(b) any vehicle, chassis, or component, part, attachment or accessory damaged by misuse, neglect, fire, exposure to severe environmental or chemical conditions, acidic environment, improper maintenance, accident, crash, or force majeure such as natural disaster, lightning, earthquake, windstorm, hail, flood, war or riot;

(c) any vehicle, chassis or component, part, attachment or accessory that has been repaired, altered or assembled in any way by any person or entity other than Pierce which, in the sole judgment of Pierce, adversely affects the performance, stability or purpose for which it was manufactured; or

(d) products or parts which may in the ordinary course wear out and have to be replaced during the warranty period, including, but not limited to, tires, fluids, gaskets and light bulbs. Pierce assumes no responsibility for the assembly of its parts or subassemblies into finishing products or vehicles unless the assembly is performed by Pierce.

The original purchaser may void this warranty in part or in its entirety if the product is repaired or replaced (a) without prior written approval of the Pierce Customer Service Department; or (b) at a facility which has not been approved by Pierce as to technical capability. Any repairs, modifications, alterations or aftermarket parts added after manufacture without the authorization of Pierce may void this warranty.

2. DISCLAIMERS OF WARRANTIES

THE WARRANTY SET FORTH IN PARAGRAPH 1 IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY PIERCE. PIERCE HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY, ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND ANY WARRANTIES ARISING FROM COURSE OF DEALING OR USAGE OF TRADE.

3. BUYER'S EXCLUSIVE REMEDY.

If the product fails to conform to the warranty set forth in paragraph 1 during the warranty period, and such nonconformity is not due to misuse, neglect, accident or improper maintenance, Buyer must notify Pierce within the time period specified in paragraph 1, and shall make the product available for inspection by Pierce or its designated agent. At the request of Pierce, any allegedly defective product shall be returned to Pierce by Buyer for examination and/or repair. Buyer shall be responsible for the cost of such transportation, and for risk of loss of or damage to the product during transportation. Within a reasonable time, Pierce shall repair or replace (at Pierce's option and expense) any nonconforming or defective parts. Repair or replacement shall be made only by a facility approved in advance in writing by Pierce. THIS REMEDY SHALL BE THE EXCLUSIVE AND SOLE REMEDY FOR ANY BREACH OF WARRANTY.

4. EXCLUSION OF CONSEQUENTIAL AND INCIDENTAL DAMAGES.

Notwithstanding anything to the contrary herein or in any agreement between Pierce and Buyer, IN NO EVENT SHALL PIERCE BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, INDIRECT, OR PUNITIVE DAMAGES WHATSOEVER, WHETHER ARISING OUT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORY OF LAW OR EQUITY, WITH RESPECT TO VEHICLES OR OTHER PRODUCTS SOLD BY PIERCE, OR THEIR OPERATION OR FAILURE TO OPERATE, OR ANY DEFECTS THEREIN, OR ANY UNDERTAKINGS, ACTS OR OMISSIONS RELATED THERETO, REGARDLESS OF WHETHER PIERCE HAS BEEN INFORMED OF THE POSSIBILITY OF ANY SUCH DAMAGES. Without limiting the generality of the foregoing, Pierce specifically disclaims any liability for property or personal injury damages, penalties, damages for lost profits or revenues, loss of vehicles or products or any associated equipment, cost of substitute vehicles or products, down-time, delay damages, any other types of economic loss, or for any claims by any third party for any such damages.

Note: Any Surety Bond, if a part of the sale of the vehicle as to which this limited warranty is provided, applies only to this Pierce Basic One Year Limited Warranty for such vehicle, and not to other warranties made by Pierce in a separate document (if any) or to the warranties (if any) made by any manufacturer (other than Pierce) of any part, component, attachment or accessory that is incorporated into or attached to the vehicle.

2/8/2010 WA0035

Fire and Rescue Apparatus

Three (3) Year Material and Workmanship

TAK-4 Suspension

Limited Warranty

1. LIMITED WARRANTY

Subject to the limitations and exclusions set forth below, Pierce Manufacturing provides the following warranty to the Buyer:

Coverage:	**The TAK-4 Front Independent Suspension and Steering Gears shall be free from defects in material and workmanship.**
Warranty Begins:	**The date of the original purchase invoice (issued when the product ships from the factory).**
Warranty Period Ends After:	**Three (3) Years -or- 30,000 Miles**
Conditions and Exclusions: **See Also Paragraphs 2 thru 4**	**This limited warranty excludes brake pads, brake rotors, seal boots and shock absorbers.**

This limited warranty shall apply only if the product is properly maintained in accordance with Pierce's maintenance instructions and manuals and is used in service which is normal to the particular model. Normal service means service which does not subject the product to stresses or impacts greater than normally result from careful use. If the Buyer discovers a defect or nonconformity, it must notify Pierce in writing within thirty (30) days after the date of discovery, but in any event prior to the expiration of the warranty period. THIS LIMITED WARRANTY MAY NOT BE ASSIGNED OR OTHERWISE TRANSFERRED BY THE BUYER TO ANY SUBSEQUENT USER OR PURCHASER OR TO ANY OTHER PERSON OR ENTITY.

Notwithstanding anything to the contrary herein, Pierce makes no warranty whatsoever as to:

(a) any integral parts, components, attachments or trade accessories of or to the product that are not manufactured by Pierce, including but not limited to engines, transmissions, drivelines, axles, water pumps and generators; with respect to all such parts, components, attachments and accessories, Pierce shall assign to Buyer the applicable warranties, if any, made by the respective manufacturers thereof;

(b) any vehicle, chassis, or component, part, attachment or accessory damaged by misuse, neglect, fire, exposure to severe environmental or chemical conditions, acidic environment, improper maintenance, accident, crash, or force majeure such as natural disaster, lightning, earthquake, windstorm, hail, flood, war or riot;

(c) any vehicle, chassis or component, part, attachment or accessory that has been repaired, altered or assembled in any way by any person or entity other than Pierce which, in the sole judgment of Pierce, adversely affects the performance, stability or purpose for which it was manufactured; or

(d) products or parts which may in the ordinary course wear out and have to be replaced during the warranty period, including, but not limited to, tires, fluids, gaskets and light bulbs. Pierce assumes no responsibility for the assembly of its parts or subassemblies into finishing products or vehicles unless the assembly is performed by Pierce.

The original purchaser may void this warranty in part or in its entirety if the product is repaired or replaced (a) without prior written approval of the Pierce Customer Service Department; or (b) at a facility which has not been approved by Pierce as to technical capability. Any repairs, modifications, alterations or aftermarket parts added after manufacture without the authorization of Pierce may void this warranty.

2. DISCLAIMERS OF WARRANTIES

THE WARRANTY SET FORTH IN PARAGRAPH 1 IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY PIERCE. PIERCE HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY, ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND ANY WARRANTIES ARISING FROM COURSE OF DEALING OR USAGE OF TRADE.

3. BUYER'S EXCLUSIVE REMEDY.

If the product fails to conform to the warranty set forth in paragraph 1 during the warranty period, and such nonconformity is not due to misuse, neglect, accident or improper maintenance, Buyer must notify Pierce within the time period specified in paragraph 1, and shall make the product available for inspection by Pierce or its designated agent. At the request of Pierce, any allegedly defective product shall be returned to Pierce by Buyer for examination and/or repair. Buyer shall be responsible for the cost of such transportation, and for risk of loss of or damage to the product during transportation. Within a reasonable time, Pierce shall repair or replace (at Pierce's option and expense) any nonconforming or defective parts. Repair or replacement shall be made only by a facility approved in advance in writing by Pierce. THIS REMEDY SHALL BE THE EXCLUSIVE AND SOLE REMEDY FOR ANY BREACH OF WARRANTY.

4. EXCLUSION OF CONSEQUENTIAL AND INCIDENTAL DAMAGES.

Notwithstanding anything to the contrary herein or in any agreement between Pierce and Buyer, IN NO EVENT SHALL PIERCE BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, INDIRECT, OR PUNITIVE DAMAGES WHATSOEVER, WHETHER ARISING OUT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORY OF LAW OR EQUITY, WITH RESPECT TO VEHICLES OR OTHER PRODUCTS SOLD BY PIERCE, OR THEIR OPERATION OR FAILURE TO OPERATE, OR ANY DEFECTS THEREIN, OR ANY UNDERTAKINGS, ACTS OR OMISSIONS RELATED THERETO, REGARDLESS OF WHETHER PIERCE HAS BEEN INFORMED OF THE POSSIBILITY OF ANY SUCH DAMAGES. Without limiting the generality of the foregoing, Pierce specifically disclaims any liability for property or personal injury damages, penalties, damages for lost profits or revenues, loss of vehicles or products or any associated equipment, cost of substitute vehicles or products, down-time, delay damages, any other types of economic loss, or for any claims by any third party for any such damages.

Note: Any Surety Bond, if a part of the sale of the vehicle as to which this limited warranty is provided, applies only to this Pierce Basic One Year Limited Warranty for such vehicle, and not to other warranties made by Pierce in a separate document (if any) or to the warranties (if any) made by any manufacturer (other than Pierce) of any part, component, attachment or accessory that is incorporated into or attached to the vehicle.

2/8/2010 WA0050

UPF POLY-TANK®IIE Tank

The ALL-OUT™ Lifetime Warranty

UNITED PLASTIC FABRICATING, INC. warrants each UPF POLY-TANK®IIE Booster/Foam Tank to be free from manufacturing defects in material and workmanship for the service life of the original vehicle (vehicle must be actively used in fire suppression). The warranty is transferable* within the United States and Canada by notifying UPF within thirty (30) days of the vehicle transfer date. Every UPF POLY-TANK®IIE is thoroughly inspected and tested for leaks before leaving our facility and must be installed in accordance with the United Plastic Fabricating Installation Guidelines. Should any problems develop with your UPF POLY-TANK®IIE Booster/Foam Tank, please notify UPF in writing or call our TOLL FREE HOTLINE at 1-800-USA-POLY and provide UPF with the serial number and a description of the problem. If UPF determines that the tank problem has rendered the truck out-of-service, UPF will dispatch a service technician WITHIN 48 HOURS (2 DAYS) to repair the tank (This time period is for the United States and Canada only). If it is determined that the vehicle can remain in service, UPF will dispatch a service technician within a mutually agreed upon time period. Should the vehicle be located outside of the United States and Canada, UPF will assume costs for labor and material for the repair and for any travel costs to the U.S. port of embarkation. Cost for airline or other means of travel outside of the U.S. and Canada will not be the responsibility of United Plastic Fabricating, Inc.

UPF will repair or, at its option, replace the tank with a new UPF POLY-TANK®IIE. UPF will cover customary and reasonable costs to remove and install the UPF POLY-TANK®IIE. This warranty will not cover tanks that have been improperly installed, misused or abused, and the serial number must not have been altered, defaced or removed. UPF will not cover any unauthorized third party repairs or alterations. Any of these actions may void the warranty.

THERE ARE NO WARRANTIES, EXPRESSED OR IMPLIED, WHICH EXTEND BEYOND THE DESCRIPTION OF THE FACE HEREOF. THERE IS NO EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR A WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. ADDITIONALLY, THIS WARRANTY IS IN LIEU OF ALL OTHER OBLIGATIONS OR LIABILITIES ON THE PART OF UNITED PLASTIC FABRICATING, INC.

This warranty contains the entire warranty. It is the sole warranty and price agreements or representation, whether oral or written, are either merged herein or expressly canceled. UNITED PLASTIC FABRICATING, INC. neither assumes, nor authorizes any person supposing to act on its behalf to change, nor assume for it, any warranty or liability concerning its product.

IN NO EVENT WILL UNITED PLASTIC FABRICATING, INC. BE LIABLE FOR AN AMOUNT IN EXCESS OF THE CURRENTLY PUBLISHED RETAIL PRICE PLUS INSTALLATION AND REMOVAL COST OF THE BOOSTER TANK, FOR ANY LOSS OR DAMAGE, WHETHER DIRECT OR INDIRECT, INCIDENTAL, CONSEQUENTIAL, OR OTHERWISE ARISING OUT OF FAILURE OF ITS PRODUCT.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow exclusion or limitation of incidental or consequential damage, so the above limitation or exclusion may not apply to you. Since some states do not allow limitations on the length of an implied warranty, the above limitation may not apply to you.

UNITED PLASTIC FABRICATING, INC.

"Think Tank . . . Think UPF"

FILL IN THE INFORMATION CONTAINED ON YOUR WARRANTY CARD IN THE FORM TO THE RIGHT. PLEASE KEEP THIS INFORMATION IN A SAFE PLACE FOR REFERENCE. IF SERVICE SHOULD EVER BE NEEDED, CALL 1-800-USA-POLY.

POLY-TANK®IIE is a registered trademark of UPF, Inc.
ALL-OUT™ and PT2E™ are all trademarks of UPF, Inc.
AccTuf™ is a trademark of Amoco Polymers, Inc.
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Transfer of Ownership Form

Serial Number: _____

Original Owner: _____

Address: _____

City/Town: _____ St: _____ Zip: _____

Complete and fax or mail to UPF to transfer warranty

Date of transfer: _____

New Owner: _____

Address: _____

City/Town: _____ St: _____ Zip: _____

*All transfers subject to approval by UPF

Fire and Rescue Apparatus

Ten (10) Year Pro-Rated Paint and Corrosion Cab

Limited Warranty

1. LIMITED WARRANTY

Subject to the limitations and exclusions set forth below, Pierce Manufacturing provides the following warranty to the Buyer:

Coverage:	**Exterior surfaces of the cab painted by Pierce shall be free from blistering, peeling, corrosion or any other adhesion defect caused by defective manufacturing methods or paint material selection.**
Warranty Begins:	**The date of the original purchase invoice (issued when the product ships from the factory).**
Warranty Period Ends After:	**Ten (10) Years**
Conditions and Exclusions: **See Also Paragraphs 2 thru 4**	**This limited warranty is applicable to the vehicle in the following percentage costs of warranty repair, if any:** **Topcoat Durability & Appearance: Gloss, Color Retention & Cracking** **0-72 months 100%** **73-96 months 50%** **97-120 months 25%** **Integrity of Coating System: Adhesion, Blistering/Bubbling** **0-36 months 100%** **37-84 months 50%** **85-120 months 25%** **Corrosion: Dissimilar Metal and Crevice** **0-36 months 100%** **37-48 months 50%** **49-72 months 25%** **73-120 months 10%** **Corrosion Perforation** **0-120 months 100%** **This limited warranty applies only to exterior paint. Paint on the vehicle's interior is warranted only under the Pierce Basic One Year Limited Warranty.** **Items not covered by this warranty include:** **(a) Damage from lack of maintenance and cleaning (proper cleaning and maintenance procedures are detailed in the Pierce operation and maintenance manual).** **(b) UV paint fade.** **(c) Any cab not manufactured by Pierce.**

This limited warranty shall apply only if the product is properly maintained in accordance with Pierce's maintenance instructions and manuals and is used in service which is normal to the particular model. Normal service means service which does not subject the product to stresses or impacts greater than normally result from careful use. If the Buyer discovers a defect or nonconformity, it must notify Pierce in writing within thirty (30) days after the date of discovery, but in any event prior to the expiration of the warranty period. THIS LIMITED WARRANTY MAY NOT BE ASSIGNED OR OTHERWISE TRANSFERRED BY THE BUYER TO ANY SUBSEQUENT USER OR PURCHASER OR TO ANY OTHER PERSON OR ENTITY.

Notwithstanding anything to the contrary herein, Pierce makes no warranty whatsoever as to:

(a) any integral parts, components, attachments or trade accessories of or to the product that are not manufactured by Pierce, including but not limited to engines, transmissions, drivelines, axles, water pumps and generators; with respect to all such parts, components, attachments and accessories, Pierce shall assign to Buyer the applicable warranties, if any, made by the respective manufacturers thereof;

(b) any vehicle, chassis, or component, part, attachment or accessory damaged by misuse, neglect, fire, exposure to severe environmental or chemical conditions, acidic environment, improper maintenance, accident, crash, or force majeure such as natural disaster, lightning, earthquake, windstorm, hail, flood, war or riot;

(c) any vehicle, chassis or component, part, attachment or accessory that has been repaired, altered or assembled in any way by any person or entity other than Pierce which, in the sole judgment of Pierce, adversely affects the performance, stability or purpose for which it was manufactured; or

(d) products or parts which may in the ordinary course wear out and have to be replaced during the warranty period, including, but not limited to, tires, fluids, gaskets and light bulbs. Pierce assumes no responsibility for the assembly of its parts or subassemblies into finishing products or vehicles unless the assembly is performed by Pierce.

The original purchaser may void this warranty in part or in its entirety if the product is repaired or replaced (a) without prior written approval of the Pierce Customer Service Department; or (b) at a facility which has not been approved by Pierce as to technical capability. Any repairs, modifications, alterations or aftermarket parts added after manufacture without the authorization of Pierce may void this warranty.

2. DISCLAIMERS OF WARRANTIES

THE WARRANTY SET FORTH IN PARAGRAPH 1 IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY PIERCE. PIERCE HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY, ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND ANY WARRANTIES ARISING FROM COURSE OF DEALING OR USAGE OF TRADE.

3. BUYER'S EXCLUSIVE REMEDY.

If the product fails to conform to the warranty set forth in paragraph 1 during the warranty period, and such nonconformity is not due to misuse, neglect, accident or improper maintenance, Buyer must notify Pierce within the time period specified in paragraph 1, and shall make the product available for inspection by Pierce or its designated agent. At the request of Pierce, any allegedly defective product shall be returned to Pierce by Buyer for examination and/or repair. Buyer shall be responsible for the cost of such transportation, and for risk of loss of or damage to the product during transportation. Within a reasonable time, Pierce shall repair or replace (at Pierce's option and expense) any nonconforming or defective parts. Repair or replacement shall be made only by a facility approved in advance in writing by Pierce. THIS REMEDY SHALL BE THE EXCLUSIVE AND SOLE REMEDY FOR ANY BREACH OF WARRANTY.

4. EXCLUSION OF CONSEQUENTIAL AND INCIDENTAL DAMAGES.

Notwithstanding anything to the contrary herein or in any agreement between Pierce and Buyer, IN NO EVENT SHALL PIERCE BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, INDIRECT, OR PUNITIVE DAMAGES WHATSOEVER, WHETHER ARISING OUT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORY OF LAW OR EQUITY, WITH RESPECT TO VEHICLES OR OTHER PRODUCTS SOLD BY PIERCE, OR THEIR OPERATION OR FAILURE TO OPERATE, OR ANY DEFECTS THEREIN, OR ANY UNDERTAKINGS, ACTS OR OMISSIONS RELATED THERETO, REGARDLESS OF WHETHER PIERCE HAS BEEN INFORMED OF THE POSSIBILITY OF ANY SUCH DAMAGES. Without limiting the generality of the foregoing, Pierce specifically disclaims any liability for property or personal injury damages, penalties, damages for lost profits or revenues, loss of vehicles or products or any associated equipment, cost of substitute vehicles or products, down-time, delay damages, any other types of economic loss, or for any claims by any third party for any such damages.

Note: Any Surety Bond, if a part of the sale of the vehicle as to which this limited warranty is provided, applies only to this Pierce Basic One Year Limited Warranty for such vehicle, and not to other warranties made by Pierce in a separate document (if any) or to the warranties (if any) made by any manufacturer (other than Pierce) of any part, component, attachment or accessory that is incorporated into or attached to the vehicle.

2/8/2010 WA0055

Fire and Rescue Apparatus

Ten (10) Year Pro-Rated Paint and Corrosion

Custom Body

Limited Warranty

1. LIMITED WARRANTY

Subject to the limitations and exclusions set forth below, Pierce Manufacturing provides the following warranty to the Buyer:

Coverage:	**Exterior surfaces of the body shall be free from blistering, peeling, corrosion or any other adhesion defect caused by defective manufacturing methods or paint material selection.**
Warranty Begins:	**The date of the original purchase invoice (issued when the product ships from the factory).**
Warranty Period Ends After:	**Ten (10) Years**
Conditions and Exclusions: **See Also Paragraphs 2 thru 4**	**This limited warranty is applicable to the vehicle in the following percentage costs of warranty repair, if any:** **Topcoat Durability & Appearance: Gloss, Color Retention & Cracking** **0-72 months 100%** **73-96 months 50%** **97-120 months 25%** **Integrity of Coating System: Adhesion, Blistering/Bubbling** **0-36 months 100%** **37-84 months 50%** **85-120 months 25%** **Corrosion: Dissimilar Metal and Crevice** **0-36 months 100%** **37-48 months 50%** **49-72 months 25%** **73-120 months 10%** **Corrosion Perforation** **0-120 months 100%** **This limited warranty applies only to exterior paint. Paint on the vehicle's interior is warranted only under the Pierce Basic One Year Limited Warranty.** **Items not covered by this warranty include:** **(a) Damage from lack of maintenance and cleaning (proper cleaning and maintenance procedures are detailed in the Pierce operation and maintenance manual).** **(b) UV paint fade.** **(c) Any cab not manufactured by Pierce.**

This limited warranty shall apply only if the product is properly maintained in accordance with Pierce's maintenance instructions and manuals and is used in service which is normal to the particular model. Normal service means service which does not subject the product to stresses or impacts greater than normally result from careful use. If the Buyer discovers a defect or nonconformity, it must notify Pierce in writing within thirty (30) days after the date of discovery, but in any event prior to the expiration of the warranty period. THIS LIMITED WARRANTY MAY NOT BE ASSIGNED OR OTHERWISE TRANSFERRED BY THE BUYER TO ANY SUBSEQUENT USER OR PURCHASER OR TO ANY OTHER PERSON OR ENTITY.

Notwithstanding anything to the contrary herein, Pierce makes no warranty whatsoever as to:

(a) any integral parts, components, attachments or trade accessories of or to the product that are not manufactured by Pierce, including but not limited to engines, transmissions, drivelines, axles, water pumps and generators; with respect to all such parts, components, attachments and accessories, Pierce shall assign to Buyer the applicable warranties, if any, made by the respective manufacturers thereof;

(b) any vehicle, chassis, or component, part, attachment or accessory damaged by misuse, neglect, fire, exposure to severe environmental or chemical conditions, acidic environment, improper maintenance, accident, crash, or force majeure such as natural disaster, lightning, earthquake, windstorm, hail, flood, war or riot;

(c) any vehicle, chassis or component, part, attachment or accessory that has been repaired, altered or assembled in any way by any person or entity other than Pierce which, in the sole judgment of Pierce, adversely affects the performance, stability or purpose for which it was manufactured; or

(d) products or parts which may in the ordinary course wear out and have to be replaced during the warranty period, including, but not limited to, tires, fluids, gaskets and light bulbs. Pierce assumes no responsibility for the assembly of its parts or subassemblies into finishing products or vehicles unless the assembly is performed by Pierce.

The original purchaser may void this warranty in part or in its entirety if the product is repaired or replaced (a) without prior written approval of the Pierce Customer Service Department; or (b) at a facility which has not been approved by Pierce as to technical capability. Any repairs, modifications, alterations or aftermarket parts added after manufacture without the authorization of Pierce may void this warranty.

2. DISCLAIMERS OF WARRANTIES

THE WARRANTY SET FORTH IN PARAGRAPH 1 IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY PIERCE. PIERCE HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY, ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND ANY WARRANTIES ARISING FROM COURSE OF DEALING OR USAGE OF TRADE.

3. BUYER'S EXCLUSIVE REMEDY.

If the product fails to conform to the warranty set forth in paragraph 1 during the warranty period, and such nonconformity is not due to misuse, neglect, accident or improper maintenance, Buyer must notify Pierce within the time period specified in paragraph 1, and shall make the product available for inspection by Pierce or its designated agent. At the request of Pierce, any allegedly defective product shall be returned to Pierce by Buyer for examination and/or repair. Buyer shall be responsible for the cost of such transportation, and for risk of loss of or damage to the product during transportation. Within a reasonable time, Pierce shall repair or replace (at Pierce's option and expense) any nonconforming or defective parts. Repair or replacement shall be made only by a facility approved in advance in writing by Pierce. THIS REMEDY SHALL BE THE EXCLUSIVE AND SOLE REMEDY FOR ANY BREACH OF WARRANTY.

4. EXCLUSION OF CONSEQUENTIAL AND INCIDENTAL DAMAGES.

Notwithstanding anything to the contrary herein or in any agreement between Pierce and Buyer, IN NO EVENT SHALL PIERCE BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, INDIRECT, OR PUNITIVE DAMAGES WHATSOEVER, WHETHER ARISING OUT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORY OF LAW OR EQUITY, WITH RESPECT TO VEHICLES OR OTHER PRODUCTS SOLD BY PIERCE, OR THEIR OPERATION OR FAILURE TO OPERATE, OR ANY DEFECTS THEREIN, OR ANY UNDERTAKINGS, ACTS OR OMISSIONS RELATED THERETO, REGARDLESS OF WHETHER PIERCE HAS BEEN INFORMED OF THE POSSIBILITY OF ANY SUCH DAMAGES. Without limiting the generality of the foregoing, Pierce specifically disclaims any liability for property or personal injury damages, penalties, damages for lost profits or revenues, loss of vehicles or products or any associated equipment, cost of substitute vehicles or products, down-time, delay damages, any other types of economic loss, or for any claims by any third party for any such damages.

Note: Any Surety Bond, if a part of the sale of the vehicle as to which this limited warranty is provided, applies only to this Pierce Basic One Year Limited Warranty for such vehicle, and not to other warranties made by Pierce in a separate document (if any) or to the warranties (if any) made by any manufacturer (other than Pierce) of any part, component, attachment or accessory that is incorporated into or attached to the vehicle.

2/8/2010 WA0057

Fire and Rescue Apparatus

Three (3) Year Material and Workmanship
Goldstar® Gold Leaf Lamination

Limited Warranty

1. LIMITED WARRANTY

Subject to the limitations and exclusions set forth below, Pierce Manufacturing provides the following warranty to the Buyer:

Coverage:	**Each Goldstar® gold leaf lamination sold by Pierce shall be free from defects in material and workmanship.**
Warranty Begins:	**The date of the original purchase invoice (issued when the product ships from the factory).**
Warranty Period Ends After:	**Three (3) Years**
Conditions and Exclusions: **See Also Paragraphs 2 thru 4**	**This warranty does not cover damage from lack of maintenance and cleaning (proper cleaning and maintenance procedures are detailed in the Pierce operation and maintenance manual).**

This limited warranty shall apply only if the product is properly maintained in accordance with Pierce's maintenance instructions and manuals and is used in service which is normal to the particular model. Normal service means service which does not subject the product to stresses or impacts greater than normally result from careful use. If the Buyer discovers a defect or nonconformity, it must notify Pierce in writing within thirty (30) days after the date of discovery, but in any event prior to the expiration of the warranty period. THIS LIMITED WARRANTY MAY NOT BE ASSIGNED OR OTHERWISE TRANSFERRED BY THE BUYER TO ANY SUBSEQUENT USER OR PURCHASER OR TO ANY OTHER PERSON OR ENTITY.

Notwithstanding anything to the contrary herein, Pierce makes no warranty whatsoever as to:

(a) any integral parts, components, attachments or trade accessories of or to the product that are not manufactured by Pierce, including but not limited to engines, transmissions, drivelines, axles, water pumps and generators; with respect to all such parts, components, attachments and accessories, Pierce shall assign to Buyer the applicable warranties, if any, made by the respective manufacturers thereof;

(b) any vehicle, chassis, or component, part, attachment or accessory damaged by misuse, neglect, fire, exposure to severe environmental or chemical conditions, acidic environment, improper maintenance, accident, crash, or force majeure such as natural disaster, lightning, earthquake, windstorm, hail, flood, war or riot;

(c) any vehicle, chassis or component, part, attachment or accessory that has been repaired, altered or assembled in any way by any person or entity other than Pierce which, in the sole judgment of Pierce, adversely affects the performance, stability or purpose for which it was manufactured; or

(d) products or parts which may in the ordinary course wear out and have to be replaced during the warranty period, including, but not limited to, tires, fluids, gaskets and light bulbs. Pierce assumes no responsibility for the assembly of its parts or subassemblies into finishing products or vehicles unless the assembly is performed by Pierce.

The original purchaser may void this warranty in part or in its entirety if the product is repaired or replaced (a) without prior written approval of the Pierce Customer Service Department; or (b) at a facility which has not been approved by Pierce as to technical capability. Any repairs, modifications, alterations or aftermarket parts added after manufacture without the authorization of Pierce may void this warranty.

2. DISCLAIMERS OF WARRANTIES

THE WARRANTY SET FORTH IN PARAGRAPH 1 IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY PIERCE. PIERCE HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY, ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND ANY WARRANTIES ARISING FROM COURSE OF DEALING OR USAGE OF TRADE.

3. BUYER'S EXCLUSIVE REMEDY.

If the product fails to conform to the warranty set forth in paragraph 1 during the warranty period, and such nonconformity is not due to misuse, neglect, accident or improper maintenance, Buyer must notify Pierce within the time period specified in paragraph 1, and shall make the product available for inspection by Pierce or its designated agent. At the request of Pierce, any allegedly defective product shall be returned to Pierce by Buyer for examination and/or repair. Buyer shall be responsible for the cost of such transportation, and for risk of loss of or damage to the product during transportation. Within a reasonable time, Pierce shall repair or replace (at Pierce's option and expense) any nonconforming or defective parts. Repair or replacement shall be made only by a facility approved in advance in writing by Pierce. THIS REMEDY SHALL BE THE EXCLUSIVE AND SOLE REMEDY FOR ANY BREACH OF WARRANTY.

4. EXCLUSION OF CONSEQUENTIAL AND INCIDENTAL DAMAGES.

Notwithstanding anything to the contrary herein or in any agreement between Pierce and Buyer, IN NO EVENT SHALL PIERCE BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, INDIRECT, OR PUNITIVE DAMAGES WHATSOEVER, WHETHER ARISING OUT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORY OF LAW OR EQUITY, WITH RESPECT TO VEHICLES OR OTHER PRODUCTS SOLD BY PIERCE, OR THEIR OPERATION OR FAILURE TO OPERATE, OR ANY DEFECTS THEREIN, OR ANY UNDERTAKINGS, ACTS OR OMISSIONS RELATED THERETO, REGARDLESS OF WHETHER PIERCE HAS BEEN INFORMED OF THE POSSIBILITY OF ANY SUCH DAMAGES. Without limiting the generality of the foregoing, Pierce specifically disclaims any liability for property or personal injury damages, penalties, damages for lost profits or revenues, loss of vehicles or products or any associated equipment, cost of substitute vehicles or products, down-time, delay damages, any other types of economic loss, or for any claims by any third party for any such damages.

Note: Any Surety Bond, if a part of the sale of the vehicle as to which this limited warranty is provided, applies only to this Pierce Basic One Year Limited Warranty for such vehicle, and not to other warranties made by Pierce in a separate document (if any) or to the warranties (if any) made by any manufacturer (other than Pierce) of any part, component, attachment or accessory that is incorporated into or attached to the vehicle.

2/8/2010 WA0018

Fire and Rescue Apparatus

Five (5) Year Material and Workmanship

Command Zone Electronics

Limited Warranty

1. LIMITED WARRANTY

Subject to the limitations and exclusions set forth below, Pierce Manufacturing provides the following warranty to the Buyer:

Coverage:	**Command Zone control modules shall be free from failures caused by defects in material and workmanship**
Warranty Begins:	**The date of the original purchase invoice (issued when the product ships from the factory).**
Warranty Period Ends After:	**Five (5) Years**
Conditions and Exclusions: **See Also Paragraphs 2 thru 4**	**This limited warranty applies to all of the control modules for the Command Zone system, including the full color graphic displays. Related wire harnesses, cables and connectors are not covered under this limited warranty and are instead covered under the Pierce One Year Basic Apparatus Limited Warranty.**

This limited warranty shall apply only if the product is properly maintained in accordance with Pierce's maintenance instructions and manuals and is used in service which is normal to the particular model. Normal service means service which does not subject the product to stresses or impacts greater than normally result from careful use. If the Buyer discovers a defect or nonconformity, it must notify Pierce in writing within thirty (30) days after the date of discovery, but in any event prior to the expiration of the warranty period. THIS LIMITED WARRANTY MAY NOT BE ASSIGNED OR OTHERWISE TRANSFERRED BY THE BUYER TO ANY SUBSEQUENT USER OR PURCHASER OR TO ANY OTHER PERSON OR ENTITY.

Notwithstanding anything to the contrary herein, Pierce makes no warranty whatsoever as to:

(a) any integral parts, components, attachments or trade accessories of or to the product that are not manufactured by Pierce, including but not limited to engines, transmissions, drivelines, axles, water pumps and generators; with respect to all such parts, components, attachments and accessories, Pierce shall assign to Buyer the applicable warranties, if any, made by the respective manufacturers thereof;

(b) any vehicle, chassis, or component, part, attachment or accessory damaged by misuse, neglect, fire, exposure to severe environmental or chemical conditions, acidic environment, improper maintenance, accident, crash, or force majeure such as natural disaster, lightning, earthquake, windstorm, hail, flood, war or riot;

(c) any vehicle, chassis or component, part, attachment or accessory that has been repaired, altered or assembled in any way by any person or entity other than Pierce which, in the sole judgment of Pierce, adversely affects the performance, stability or purpose for which it was manufactured; or

(d) products or parts which may in the ordinary course wear out and have to be replaced during the warranty period, including, but not limited to, tires, fluids, gaskets and light bulbs. Pierce assumes no responsibility for the assembly of its parts or subassemblies into finishing products or vehicles unless the assembly is performed by Pierce.

The original purchaser may void this warranty in part or in its entirety if the product is repaired or replaced (a) without prior written approval of the Pierce Customer Service Department; or (b) at a facility which has not been approved by Pierce as to technical capability. Any repairs, modifications, alterations or aftermarket parts added after manufacture without the authorization of Pierce may void this warranty.

2. DISCLAIMERS OF WARRANTIES

THE WARRANTY SET FORTH IN PARAGRAPH 1 IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY PIERCE. PIERCE HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY, ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND ANY WARRANTIES ARISING FROM COURSE OF DEALING OR USAGE OF TRADE.

3. BUYER'S EXCLUSIVE REMEDY.

If the product fails to conform to the warranty set forth in paragraph 1 during the warranty period, and such nonconformity is not due to misuse, neglect, accident or improper maintenance, Buyer must notify Pierce within the time period specified in paragraph 1, and shall make the product available for inspection by Pierce or its designated agent. At the request of Pierce, any allegedly defective product shall be returned to Pierce by Buyer for examination and/or repair. Buyer shall be responsible for the cost of such transportation, and for risk of loss of or damage to the product during transportation. Within a reasonable time, Pierce shall repair or replace (at Pierce's option and expense) any nonconforming or defective parts. Repair or replacement shall be made only by a facility approved in advance in writing by Pierce. THIS REMEDY SHALL BE THE EXCLUSIVE AND SOLE REMEDY FOR ANY BREACH OF WARRANTY.

4. EXCLUSION OF CONSEQUENTIAL AND INCIDENTAL DAMAGES.

Notwithstanding anything to the contrary herein or in any agreement between Pierce and Buyer, IN NO EVENT SHALL PIERCE BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, INDIRECT, OR PUNITIVE DAMAGES WHATSOEVER, WHETHER ARISING OUT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORY OF LAW OR EQUITY, WITH RESPECT TO VEHICLES OR OTHER PRODUCTS SOLD BY PIERCE, OR THEIR OPERATION OR FAILURE TO OPERATE, OR ANY DEFECTS THEREIN, OR ANY UNDERTAKINGS, ACTS OR OMISSIONS RELATED THERETO, REGARDLESS OF WHETHER PIERCE HAS BEEN INFORMED OF THE POSSIBILITY OF ANY SUCH DAMAGES. Without limiting the generality of the foregoing, Pierce specifically disclaims any liability for property or personal injury damages, penalties, damages for lost profits or revenues, loss of vehicles or products or any associated equipment, cost of substitute vehicles or products, down-time, delay damages, any other types of economic loss, or for any claims by any third party for any such damages.

Note: Any Surety Bond, if a part of the sale of the vehicle as to which this limited warranty is provided, applies only to this Pierce Basic One Year Limited Warranty for such vehicle, and not to other warranties made by Pierce in a separate document (if any) or to the warranties (if any) made by any manufacturer (other than Pierce) of any part, component, attachment or accessory that is incorporated into or attached to the vehicle.

2/8/2010 WA0014

607 N.W. 27th Avenue
Ocala, Florida 34475
800-533-3569

Pierce Liquid Filled Gauge Ten Year Product Warranty

Class 1 warrants that Pierce 63MM, 80MM and 100MM liquid filled pressure gauges of our own manufacture (or manufactured for us pursuant to our specifications) found to have defects in material or workmanship during normal use and service, will be repaired or replaced (at our option) free of charge, provided that written notice of such defect is received by us within ten years after initial shipment. All equipment requiring repair or replacement under this warranty shall be returned prepaid to **Class 1**. Such returned equipment shall be examined by us and, if found to be defective as a result of materials failure or workmanship shall be repaired or replaced at no charge. The 63MM, 80MM and 100MM gauge Ten Year warranty shall cover defective workmanship for the gauges limited to leakage, pointer defect and bourdon tube defect. The warranty will not cover replacement gauge installation labor charges or gauge recalibration.

This warranty shall not apply to any equipment which has been tampered with or altered after leaving our control or which has been repaired by anyone except **Class 1**. Product, which has been subjected to misuse, neglect, abuse, or improper application, will not be covered under this warranty. Misuse or abuse of the equipment or any part thereof shall include, but not limited to, damage by negligence, overpressure, excess voltage and the like. Operating the equipment with or in a corrosive, explosive, or combustible medium (unless equipment is specifically designed for such service), or exposing it to any other conditions or environment of greater severity than that for which the equipment was designed will void this warranty.

This warranty is given and accepted in lieu of all other warranties, expressed or implied, and of all other obligations or liabilities on our part. In no event shall we be liable for breach of warranty beyond the terms stated above or for any consequential damages in any case. **Class 1**'s liability in all events is limited to the value of the product involved.

In order to ensure prompt exchange or repair service, please contact **Class 1** toll free at 800-533-3569 to receive a Return Materials Authorization Number (RMA #) prior to returning the items to **Class 1**. Please mark the RMA # on the outside of all packages. This will enable our receiving department to quickly route the product to the appropriate repair department. Products received by **Class 1** without a RMA # may experience service delays or may be returned to the sender for additional information. All returned items should be shipped prepaid by customer to:

Class 1, 607 NW 27th Ave., Ocala, FL 34475

SEATS INCORPORATED – "911® SERIES" SEATS
5 YEARS/100,000 MILES
LIMITED WARRANTY – NON PRO-RATED

THIS IS A LEGAL CONTRACT BETWEEN YOU AND SEATS INCORPORATED

Seats Incorporated expressly warrants that all mechanical seat components in its 911 SERIES seats shall be free from defects in material and workmanship for five years from the date-of-sale provided such seats are subject to normal use and receive proper maintenance. During the first year or 100,000 miles, whichever comes first, Seats Incorporated expressly warrants that the cushions and seat covers shall be free from defectively sewn seams for a period of one year or 100,000 miles, whichever comes first, excluding normal wear and tear.

Your sole and exclusive remedy against Seats Incorporated arising from the purchase or use of a 911 SERIES seat is limited to repair or replacement of defective materials or defective workmanship, after verification by Seats Incorporated. Seats Incorporated will cover labor costs based on the number of hours designated by Seats Incorporated needed to repair or replace defective parts. Labor rate charges shall be limited to the lowest rates for mechanical labor prevailing at the purchaser's facility at the time of service.

All warranty claims shall have prior approval from Seats Incorporated's warranty department, 1-800-443-0615 (outside Wisconsin), 1-608-524-4316 (inside Wisconsin). All seats will be repaired or replaced at the sole discretion of Seats Incorporated.

These warranties do not apply to broken valve stems or to valve failure due to foreign matter in the air valves and air system.

These warranties will become null and void if:

- The seat is abused or altered
- The seat is involved in an accident
- The seat is improperly installed
- The seat is used for other than its intended use
- There is damage to the cushions and covers caused by cuts, burns or abuse

WARRANTY DISCLAIMERS AND LIMITATIONS OF LIABILILTY

THE ABOVE EXPRESSED WARRANTIES SHALL BE THE EXCLUSIVE WARRANTIES, AND SEATS INCORPORATED MAKES NO OTHER WARRANTIES, EXPRESSED OR IMPLIED. SEATS INCORPORATED EXPRESSLY DISCLAIMS ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE.

IT IS AGREED THAT SEATS INCORPORATED SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, including, but not limited to, loss of income, loss of use, lost profits, damage to other property, the cost of removing and reinstalling a 911 SERIES seat, attorney's fees, and any liability you may have with respect to any other person.

TIME LIMIT ON COMMENCING LEGAL ACTION

It is agreed that you have one year from the accrual of a claim to commence any legal action arising from the purchase or use of a 911 SERIES seat, or be barred forever.

Failure to give prompt written notice within thirty (30) days of the discovery of any defect in material or workmanship that occurs within the warranty period will void the warranty. Send notification to:

seats®

SEATS INCORPORATED
Attn: Dept. W • P.O. Box 60, 1515 Industrial St.
Reedsburg, WI 53959 www.seatsinc.com

To the extent any provision of this Limited Warranty contravenes the law of any jurisdiction, such provision shall be inapplicable in such jurisdiction, and the remainder of this Limited Warranty shall not be affected thereby.

Form No. 16-765 (2-00) Part No. 702437 (Rev 1)

Pierce Warranty Statement for Gortite roll up doors

All mechanical components of the door shall be warranted to be free from defects in materials and workmanship for the lifetime of the vehicle. All parts covered under this warranty shall be to the original owner.

A&A manufacturing warrants that the doors shall be free of blistering, peeling, bubbling, or any other adhesion defect caused by defective manufacturing methods or paint material selection. The time period for the coverage shall be 6 years with the decreasing coverage amount to match the Pierce paint warranty. Replacement of decals/scotchlite is not covered.

We will extend up to a 1% rebate (of yearly purchases) to Pierce to cover warranty issues. With the importance of this issue, A&A must be immediately notified of warranty issues so we can work with Pierce Customer Service to insure a quick resolution to the issues involved.

The maximum amount A&A will reimburse for labor is $50.00 per hour and the maximum amount of time allowed for repair is as follows:

Door	1.0 Hr.
Slat Replacement	1.0 Hr.
Pennant Plate Replacement	1.0 Hr.
Roller Replacement	.5 Hr.
Seal Replacement	.5 Hr.
Switch/Magnet Replacement	1.0 Hr.
Travel Time	4.0 Hr.

NEW PRODUCT WARRANTY

Allison Transmission.

PARTICIPATING OEM SALES
DISTRIBUTOR SALES

LIMITED WARRANTY ON NEW ALLISON AUTOMATIC TRANSMISSIONS USED IN EMERGENCY VEHICLE APPLICATIONS

Allison Transmission will provide for repairs or replacement, at its option, during the warranty period of each new Allison transmission listed below that is installed in an Emergency Vehicle in accordance with the following terms, conditions, and limitations.

WHAT IS COVERED

- **WARRANTY APPLIES** — This warranty is for new Allison transmission models listed below installed in an Emergency Vehicle and is provided to the original and any subsequent owner(s) of the vehicle during the warranty period.
- **REPAIRS COVERED** — The warranty covers repairs or replacement, at Allison Transmission's option, to correct any transmission malfunction resulting from defects in material or workmanship occurring during the warranty period. Needed repairs or replacements will be performed using the method Allison Transmission determines most appropriate under the circumstances.
- **TOWING** — Towing is covered to the nearest Allison Transmission Distributor or authorized Dealer only when necessary to prevent further damage to your transmission.
- **PAYMENT TERMS** — Warranty repairs, including parts and labor, will be covered per the schedule shown in the chart contained in section "APPLICABLE MODELS, WARRANTY LIMITATIONS, AND ADJUSTMENT SCHEDULE."
- **OBTAINING REPAIRS** — To obtain warranty repairs, take the vehicle to any Allison Transmission Distributor or authorized Dealer within a reasonable amount of time and request the needed repairs. A reasonable amount of time must be allowed for the Distributor or Dealer to perform necessary repairs.
- **TRANSMISSION REMOVAL AND REINSTALLATION** — Labor costs for the removal and re-installation of the transmission, when necessary to make a warranty repair, are covered by this warranty.
- **WARRANTY PERIOD** — The warranty period for all coverages shall begin on the date the transmission is delivered to the first retail purchaser, with the following exception:

  Demonstration Service - A transmission in a new truck or bus may be demonstrated to a total of 5000 miles (8000 kilometers). If the vehicle is within this limit when sold to a retail purchaser, the warranty start date is the date of purchase. Normal warranty services are applicable to the demonstrating Dealer. Should the truck or bus be sold to a retail purchaser after these limits are reached, the warranty period will begin on the date the vehicle was first placed in demonstration service and the purchaser will be entitled to the remaining warranty.

APPLICABLE MODELS, WARRANTY LIMITATIONS, AND ADJUSTMENT SCHEDULE

APPLICABLE MODELS	WARRANTY LIMITATIONS (Whichever occurs first)		ADJUSTMENT CHARGE TO BE PAID BY THE CUSTOMER	
	Months	Transmission Miles Or Kilometers	Parts	Labor
MT, MD 3000, 3200, 3500, 3700	0–24	No Limit	No Charge	No Charge
HT with Hydraulic Controls	0–24	No Limit	No Charge	No Charge
AT, 1000 Series™, 2000 Series™, 2400 Series™	0–36	No Limit	No Charge	No Charge
HT with Electronic Controls	0–60	No Limit	No Charge	No Charge
HD 1000 EVS, 2100 EVS, 2200 EVS 2350 EVS, 2500 EVS, 2550 EVS, 3000 EVS, 3500 EVS, 4000, 4000 EVS, 4500, 4500 EVS, 4700, 4700 EVS, 4800, 4800 EVS	0–60	No Limit	No Charge	No Charge

WHAT IS NOT COVERED

- **DAMAGE DUE TO ACCIDENT, MISUSE, or ALTERATION** — Defects and damage caused as the result of any of the following are not covered:
  - — Flood, collision, fire, theft, freezing, vandalism, riot, explosion, or objects striking the vehicle;
  - — Misuse of the vehicle;
  - — Installation into unapproved applications and installations;
  - — Alterations or modification of the transmission or the vehicle, and
  - — Damage resulting from improper storage (refer to long-term storage procedure outlined in the applicable Allison Service Manual)
  - — Anything other than defects in Allison Transmission material or workmanship

  NOTE: This warranty is void on transmissions used in vehicles currently or previously titled as salvaged, scrapped, junked, or totaled.
- **CHASSIS, BODY, and COMPONENTS** — The chassis and body company (assemblers) and other component and equipment manufacturers are solely responsible for warranties on the chassis, body, component(s), and equipment they provide. Any transmission repair caused by an alteration(s) made to the Allison transmission or the vehicle which allows the transmission to be installed or operated outside of the limits defined in the appropriate Allison Installation Guideline is solely the responsibility of the entity making the alteration(s).
- **DAMAGE CAUSED by LACK of MAINTENANCE or by the USE of TRANSMISSION FLUIDS NOT RECOMMENDED in the OPERATOR'S MANUAL** — Defects and damage caused by any of the following are not covered:
  - — Failure to follow the recommendations of the maintenance schedule intervals applicable to the transmission;
  - — Failure to use transmission fluids or maintain transmission fluid levels recommended in the Operator's Manual.
- **MAINTENANCE** — Normal maintenance (such as replacement of filters, screens, and transmission fluid) is not covered and is the owner's responsibility.
- **REPAIRS by UNAUTHORIZED DEALERS** — Defects and damage caused by a service outlet that is not an authorized Allison Transmission Distributor or Dealer are not covered.
- **USE of OTHER THAN GENUINE ALLISON TRANSMISSION PARTS** — Defects and damage caused by the use of parts that are not genuine Allison Transmission parts are not covered.
- **EXTRA EXPENSES** — Economic loss and extra expenses are not covered. Examples include but are not limited to: loss of vehicle use; inconvenience; storage; payment for loss of time or pay; vehicle rental expense; lodging; meals; or other travel costs.
- **"DENIED PARTY" OWNERSHIP** — Warranty repair parts and labor costs are not reimbursed to any participating or non-participating OEMs, dealers or distributors who perform warranty work for, or on behalf of, end users identified by the United States as being a "denied party" or who are citizens of sanctioned or embargoed countries as defined by the U.S. Department of Treasury Office of Foreign Assets Control. Furthermore, warranty reimbursements are not guaranteed if the reimbursement would be contrary to any United States export control laws or regulations as defined by the U.S. Department of Commerce, the U.S. Department of State, or the U.S. Department of Treasury.

OTHER TERMS APPLICABLE TO CONSUMERS AS DEFINED by the MAGNUSON-MOSS WARRANTY ACT

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

Allison Transmission does not authorize any person to create for it any other obligation or liability in connection with these transmissions. **ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE APPLICABLE TO THESE TRANSMISSIONS IS LIMITED IN DURATION TO THE DURATION OF THIS WRITTEN WARRANTY. PERFORMANCE OF REPAIRS AND NEEDED ADJUSTMENTS IS THE EXCLUSIVE REMEDY UNDER THIS WRITTEN WARRANTY OR ANY IMPLIED WARRANTY. ALLISON TRANSMISSION SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES (SUCH AS, BUT NOT LIMITED TO, LOST WAGES OR VEHICLE RENTAL EXPENSES) RESULTING FROM BREACH OF THIS WRITTEN WARRANTY OR ANY IMPLIED WARRANTY.****

** Some states do not allow limitations on how long an implied warranty will last or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

OTHER TERMS APPLICABLE TO OTHER END-USERS

THIS WARRANTY IS THE ONLY WARRANTY APPLICABLE TO THE ALLISON TRANSMISSION MODELS LISTED ABOVE AND IS EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. ALLISON TRANSMISSION DOES NOT AUTHORIZE ANY PERSON TO CREATE FOR IT ANY OTHER OBLIGATION OR LIABILITY IN CONNECTION WITH SUCH TRANSMISSIONS. ALLISON TRANSMISSION SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM BREACH OF THIS WARRANTY OR ANY IMPLIED WARRANTY.

QUESTIONS

If you have any questions regarding this warranty or the performance of warranty obligations, you may contact any Allison Transmission Distributor or Dealer or write to:

Allison Transmission, Inc.
P.O. Box 894
Indianapolis, IN 46206-0894
Attention: Warranty Administration PF-9

Form SE0616EN (201009)

HYDRAULIC GENERATORS

MANUFACTURER'S LIMITED WARRANTY

Harrison extends to the original purchaser of goods for use, the following warranty covering the Harrison Hydra-Gen® Generator System manufactured or supplied by Harrison Hydra-Gen®, subject to the qualifications indicated. A Harrison Hydra-Gen® Generator System consists of one or more of the following Assemblies: a Hydraulic Motor/Alternator Assembly, a Hydraulic Heat Exchanger/Fan Assembly, a Hydraulic Pump Assembly, a Hydraulic Reservoir Assembly, a Hydraulic Control Valve/Manifold Assembly or a Meter Head Assembly.

THERE IS NO OTHER EXPRESS WARRANTY. IMPLIED WARRANTIES, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO PERIODS OF WARRANTY SET FORTH BELOW AND TO THE EXTENT PERMITTED BY LAW. ANY AND ALL IMPLIED WARRANTIES ARE EXCLUDED. IN NO EVENT IS HARRISON LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

1. Harrison Hydra-Gen® warrants the original purchaser for the period set forth below, that the Generator System manufactured or supplied by Harrison Hydra-Gen® will be free from defects in workmanship and material, provided such goods are installed, operated and maintained in accordance with Harrison's written installation instructions, and further provided that each new application be reviewed and approved by Harrison's Application Engineering Group.

PRODUCT APPLICATION	PERIOD OF WARRANTY
Harrison Hydra-Gen® Generator Systems used in commercial vehicles or marine applications.	Two (2) years or 2,000 hours, which ever comes first, from the date product is received.
Repair or replacement parts.	Ninety (90) days from date of purchase Excludes Labor

2. Form WR-1 must be completed and returned to Harrison within 30 days of the product being delivered to the end user. Form WR-1 must be signed by an authorized Harrison agent and a copy returned to the end user.

3. Harrison's sole liability and Purchaser's sole remedy for a failure of goods under this warranty and for any and all other claims arising out of the purchase and use of the goods, including negligence on the part of the manufacturer, shall be limited to the repair or replacement of the product, at Harrison's option, of the parts that do not conform to this warranty, provided that the product or parts are returned to Harrison's factory at 10827 Tower Oaks Blvd, Houston, Texas 77070, or at a Harrison Authorized Distributor or it's designated service representative, transportation prepaid.

4. All claims must be brought to the attention of Harrison, an Authorized Distributor or designated service representative within thirty (30) days after goods or parts failed to meet this warranty.

5. THIS WARRANTY SHALL NOT APPLY TO:

   a. Cost of maintenance, adjustments, installation or startup.
   b. Paint, hydraulic fluid, and interconnecting hoses (internal or external to system assemblies).
   c. Failures due to accident, misuse, abuse, negligence, improper installation or lack of maintenance.
   d. Products altered or modified in a manner not authorized by the manufacturer in writing.
   e. Telephone or other communications expense.
   f. Excessive labor due to components being concealed in vehicle as a result of installation.
   g. High water, road debris, or excessive dirt.

6. No person is authorized to give any other warranties or to assume any other liabilities on Harrison's behalf, unless made or assumed in writing by an officer of Harrison.

7. This warranty gives the user specific legal rights, and the user may also have other rights that may vary from state to state.

Form No. WR-2

Fire and Rescue Apparatus

Two (2) Year Material and Workmanship

Meritor Axles

Limited Warranty

1. LIMITED WARRANTY

Subject to the limitations and exclusions set forth below, Pierce Manufacturing provides the following warranty to the Buyer:

Coverage:	**The Meritor axle shall be covered by Meritor as indicated in the attached Meritor warranty coverage description**
Warranty Begins:	**The date of the original purchase invoice (issued when the product ships from the factory).**
Warranty Period Ends After:	**Two (2) Year**
Conditions and Exclusions: **See Also Paragraphs 2 thru 4**	**The exclusions listed in the attached Meritor warranty description shall apply.**

This limited warranty shall apply only if the product is properly maintained in accordance with Pierce's maintenance instructions and manuals and is used in service which is normal to the particular model. Normal service means service which does not subject the product to stresses or impacts greater than normally result from careful use. If the Buyer discovers a defect or nonconformity, it must notify Pierce in writing within thirty (30) days after the date of discovery, but in any event prior to the expiration of the warranty period. THIS LIMITED WARRANTY MAY NOT BE ASSIGNED OR OTHERWISE TRANSFERRED BY THE BUYER TO ANY SUBSEQUENT USER OR PURCHASER OR TO ANY OTHER PERSON OR ENTITY.

Notwithstanding anything to the contrary herein, Pierce makes no warranty whatsoever as to:

(a) any integral parts, components, attachments or trade accessories of or to the product that are not manufactured by Pierce, including but not limited to engines, transmissions, drivelines, axles, water pumps and generators; with respect to all such parts, components, attachments and accessories, Pierce shall assign to Buyer the applicable warranties, if any, made by the respective manufacturers thereof;

(b) any vehicle, chassis, or component, part, attachment or accessory damaged by misuse, neglect, fire, exposure to severe environmental or chemical conditions, acidic environment, improper maintenance, accident, crash, or force majeure such as natural disaster, lightning, earthquake, windstorm, hail, flood, war or riot;

(c) any vehicle, chassis or component, part, attachment or accessory that has been repaired, altered or assembled in any way by any person or entity other than Pierce which, in the sole judgment of Pierce, adversely affects the performance, stability or purpose for which it was manufactured; or

(d) products or parts which may in the ordinary course wear out and have to be replaced during the warranty period, including, but not limited to, tires, fluids, gaskets and light bulbs. Pierce assumes no responsibility for the assembly of its parts or subassemblies into finishing products or vehicles unless the assembly is performed by Pierce.

The original purchaser may void this warranty in part or in its entirety if the product is repaired or replaced (a) without prior written approval of the Pierce Customer Service Department; or (b) at a facility which has not been approved by Pierce as to technical capability. Any repairs, modifications, alterations or aftermarket parts added after manufacture without the authorization of Pierce may void this warranty.

2. DISCLAIMERS OF WARRANTIES

THE WARRANTY SET FORTH IN PARAGRAPH 1 IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY PIERCE. PIERCE HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY, ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND ANY WARRANTIES ARISING FROM COURSE OF DEALING OR USAGE OF TRADE.

3. BUYER'S EXCLUSIVE REMEDY.

If the product fails to conform to the warranty set forth in paragraph 1 during the warranty period, and such nonconformity is not due to misuse, neglect, accident or improper maintenance, Buyer must notify Pierce within the time period specified in paragraph 1, and shall make the product available for inspection by Pierce or its designated agent. At the request of Pierce, any allegedly defective product shall be returned to Pierce by Buyer for examination and/or repair. Buyer shall be responsible for the cost of such transportation, and for risk of loss of or damage to the product during transportation. Within a reasonable time, Pierce shall repair or replace (at Pierce's option and expense) any nonconforming or defective parts. Repair or replacement shall be made only by a facility approved in advance in writing by Pierce. THIS REMEDY SHALL BE THE EXCLUSIVE AND SOLE REMEDY FOR ANY BREACH OF WARRANTY.

4. EXCLUSION OF CONSEQUENTIAL AND INCIDENTAL DAMAGES.

Notwithstanding anything to the contrary herein or in any agreement between Pierce and Buyer, IN NO EVENT SHALL PIERCE BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, INDIRECT, OR PUNITIVE DAMAGES WHATSOEVER, WHETHER ARISING OUT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORY OF LAW OR EQUITY, WITH RESPECT TO VEHICLES OR OTHER PRODUCTS SOLD BY PIERCE, OR THEIR OPERATION OR FAILURE TO OPERATE, OR ANY DEFECTS THEREIN, OR ANY UNDERTAKINGS, ACTS OR OMISSIONS RELATED THERETO, REGARDLESS OF WHETHER PIERCE HAS BEEN INFORMED OF THE POSSIBILITY OF ANY SUCH DAMAGES. Without limiting the generality of the foregoing, Pierce specifically disclaims any liability for property or personal injury damages, penalties, damages for lost profits or revenues, loss of vehicles or products or any associated equipment, cost of substitute vehicles or products, down-time, delay damages, any other types of economic loss, or for any claims by any third party for any such damages.

Note: Any Surety Bond, if a part of the sale of the vehicle as to which this limited warranty is provided, applies only to this Pierce Basic One Year Limited Warranty for such vehicle, and not to other warranties made by Pierce in a separate document (if any) or to the warranties (if any) made by any manufacturer (other than Pierce) of any part, component, attachment or accessory that is incorporated into or attached to the vehicle.

4/5/2010 WA0046

Warranty Information Contents

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How to Read Warranty Coverage:

Number of Years / Mileage (in thousands) Unl=Unlimited / P=Parts Only P&L=Parts & Labor

Models or components that are approved for use by ArvinMeritor's vocational guidelines contained in ArvinMeritor Publication TP-9441 for axles, SP-8320 for trailer axles, which are not specifically listed, are warranted for one year, unlimited miles, parts only (1/Unl/P).

ArvinMeritor™

Heavy Service Warranty Information

Heavy Service Vehicles:

- Airport Rescue Fire (ARF)
- Airport Shuttle
- Asphalt Truck
- Block Truck
- Bottom Dump Trailer Combination
- Cementing Vehicle
- City Bus
- Commercial Pick-Up
- Concrete Pumper
- Construction Material Hauler
- Crash Fire Rescue (CFR)
- Mixer
- Demolition
- Drill Rig
- Dump
- Emergency Service
- Equipment Hauling
- Flatbed Trailer Hauler
- Flatbed Truck
- Fracturing Truck
- Front Loader
- Geophysical Exploration
- Hopper Trailer Combinations
- Landscaping Truck
- Liquid Waste Hauler
- Log Hauling
- Lowboy
- Michigan Special Gravel Trains
- Michigan Special Log Hauler
- Michigan Special Steel Hauler
- Michigan Special Waste Vehicle
- Municipal Dump
- Rapid Intervention Vehicle (RIV)
- Rear Loader
- Recycling Truck
- Residential Pick-Up
- Rigging Truck
- Roll-Off
- Scrap Truck
- Semi-End Dump
- Sewer/Septic Vacuum
- Shuttle Bus
- Side Loader
- Snowplow/Snowblower
- Steel Hauling
- Tanker
- Tank Truck
- Tractors with Pole Trailers
- Tractor/Trailer with Jeeps
- Transfer Dump
- Transfer Vehicle
- Transit Bus
- Trolley
- Utility Truck
- Winch Truck

Heavy Service Typically Is:

- Moderate mileage operation (less than 60,000 miles per year)
- On/Off road vocations (10% or more off-road)
- Moderate to frequent stops/starts (up to 10 stops per mile)

Coverage under ArvinMeritor's warranty requires that the application of products be properly approved pursuant to OEM, ArvinMeritor, Meritor WABCO, and ZF engineering approvals. Refer to TP-9441 for axles, SP-8320 for trailer axles, and/or contact ArvinMeritor regarding specific application approval questions on any product line.

Front Drive/Non-Drive Steer Axles – 2/Unl/P&L

FD-965	FF-966	FL-941	MFS-6-153B	MFS-8-153B-N	MFS-13-143A-N	MFS-20-133A-N	MX-19-140
FF-941	FF-967	FL-943	MFS-6-162B	MFS-8-163B-N	MFS-13-144A-N	RF-21-160	MX-21-140
FF-942	FG-941	17100	MFS-6-162C	MFS-10-122A	MFS-14-143A-N	MX-10-120	MX-21-160
FF-943	FG-943	17101	MFS-7-113C-N	MFS-10-143A-N	MFS-16-122A-N	MX-12-120	MX-23-160
FF-944	FH-941	17110	MFS-7-153C-N	MFS-10-144A-N	MFS-16-143A-N	MX-14-120	
FF-946	FH-945	17111	MFS-7-163C-N	MFS-12-143A-N	RF-16-145	MX-16-120	
FF-961	FH-946	MFS-6-151A-N	MFS-8-113B-N	MFS-12-144A-N	MFS-18-133A-N	MX-17-140	

Bus & Coach Suspensions – 2/200/P&L[1,2]

RIS07EF	RIS09EF	RIS10EF	RIS12EF
RIS16EF	RIS18EF	RTA20ER	RTA13EA
RFA20ER	RFA23ER	RFA25ER	RTA28ER
RAL12EF			

[1] Coverage includes frames, brackets, arms, knuckles and seats.
[2] See limitations for minor component coverage.

Clutches

15.5" HD Clutch[1,2]	1/100/P&L
15.5" TwinXTend	3/350/P&L
17" FreedomLine Clutch	1/100/P&L

[1] Products with an in-service date prior to 11/01/02 warranted by Meritor Clutch Company.
[2] Products with an in-service date of 11/01/02 or later are warranted by ZFSACHs and administered by ArvinMeritor.

Transmissions – 2/Unl/P&L

ZF-FreedomLine 12-Speed[1,2,3]

[1] Multiple engine retarders are not approvable.
[2] 12-speed transmission not approved for off-road vocations.
[3] Hard surface application only.

Drivelines – 1/Unl/P&L

RPL 92N RN

Rear Drive Single Axles – 2/Unl/P&L

MS-10-113	RS-21-145	RS-23-160	RC-23-162	RS-26-185/380	RC-25-160	61143
RS-13-120	RS-21-145/A	RS-23-160/A	RC-23-165	MS-30-616	RC-26-633	61152
RS-15-120	RS-21-160	RC-23-161	RS-24-160/A	RH-30-185	RC-26-720	61153
RS-17-144/145/A	RC-22-145	RH-23-161	RS-25-160/A	RS-30-185/380	59732	71162
RS-19-144	RC-23-160	RS-23-161/A	RH-26-185	MS-35-616	59733	71163
MS-21-114	RH-23-160	RS-23-186/380	MS-26-616	RS-38-380	61142	

Rear Drive Tandem/Tridem Axles – 2/Unl/P&L

RT-34-144/P/A	RT-40-145/P/A	MT-52-616	RT-58-185[2]	RZ-186
MT-40-143DA-N	RT-44-145/P	RT-52-185[2]	MT-70-616	RZ-188
MT-40-143MA-N[1]	RT-46-169	MT-58-616	RZ-166	

[1] U.S. only. Canadian warranty = 1/Unl/P for combination vehicles only.
[2] Axle model designated will vary according to options and variations specified on these axles. Contact ArvinMeritor Axle Applications Engineering for details.
[3] Each vehicle must have a Request for Application Recommendation (RAR) approved by ArvinMeritor prior to vehicle build. All RARs must identify the chassis number or VIN. Refer to Product Information Letter #303 and #396 for further details.

Brake Components

Cam P	3/Unl/P
Cam P[3]	2/100/P
Cam Cast Plus™	2/100/P&L
Cam Q Plus™	3/Unl/P&L
Cam Q Plus™[3]	2/100/P&L
ASA	3/Unl/P
ASA[3, 4]	2/100/P
Hubs/Cast Drums and Other Wheel-end Components	1/Unl/P
Hydraulic Disc Brakes	1/Unl/P
All Other Brakes	1/Unl/P
LX500 Feature[1]	1/Unl/P
X30™ Drums[2]	Wearable Life/P

[1] Includes: bushing, seal, cam and ASA.
[2] Based on stamped wear diameter max.
[3] Applies to City Bus, Trolley, Shuttle Bus and Airport Shuttle only.
[4] Warranty for all non-Meritor ASAs supplied by ArvinMeritor for all Heavy Service vocations is 1/100/P.

Meritor WABCO Components[1]

ABS (Anti-Lock Braking System) Air/Hydraulic	3/300/P&L
Hydraulic Power Brake (HPB)	3/300/P&L
ATC (Automatic Traction Control)	3/300/P&L
EX[4] Air Disc Brake	3/Unl/P&L
EX[3] Air Disc Brake	2/100/P&L
DX Air Disc Brake	3/Unl/P
D-Elsa2	2/200/P
Single Air Dryers	
SS1200	1/100/P&L
SS1200P	3/300/P&L
SS1800	2/200/P&L
SS1800P	3/300/P&L
TWIN Air Dryer	1/100/P&L
Leveling Valves	1/Unl/P&L
Air Brake Valves	1/100/P&L
Clutch Controls	2/200/P&L
ECAS (Electronically Controlled Air Suspension)	3/300/P&L
Air Compressors[2]	3/300/P&L
Electronic Stability Control (ESC)	3/300/P&L
Truck Roll Stability Control (RSC)	3/300/P&L
Trailer Roll Stability Support (RSS)	3/300/P&L
Trailer Control Line Filter	1/100/P&L
Trailer Control Line Filter with ABS Valve	4/400/P, 1/100/L
Trailer ABS Valve with Control Line Filter	4/400/P, 3/300/L

[1] Warranted by Meritor WABCO Vehicle Control Systems.
[2] WABCO compressors installed on Cummins, Mercedes, and DDC engines are not warranted or serviced by ArvinMeritor. Please contact your respective dealer/distributor of those engines for warranty and servicing.
[3] Applies to City Bus, Trolley, Shuttle Bus and Airport Shuttle only.
[4] Brake warranty coverage is valid when using a Meritor chamber. For other chambers, brake coverage is 1/Unl/P.

Rear Drive Tandem/Tridem Axles – 3/Unl/P&L

RT-40-160/P/A
RT-46-160/P/A[1]
RT-46-164EH/P/A[2]
RT-50-160/P/A

[1] U.S. only. Canadian warranty = 1/Unl/P for combination vehicles only.
[2] Axle model designated will vary according to options and variations specified on these axles. Contact ArvinMeritor Axle Applications Engineering for details.

Meritor® Tire Inflation System by PSI 3/500/P&L

SimilAir™ Composite Trailer Springs 5/Unl/P, 1/Unl/L

Air Link™ 2/200/P&L[1,2]

MWA46
MWA52

[1] Coverage includes Hangers, Trailing Arms, Walking Beams
[2] Bushings, Air Bag, Shock Absorbers 1/50/P

Trailer Axles

Beam and Brackets	5/Unl/P, 1/Unl/L
Wheel End Systems[1]	
Standard System[2]	1/Unl/P&L
TRIAD (TN, TQ and TP axles)	3/Unl/P&L
TL, TA	5/Unl/P&L

[1] Includes hub, wheel seals and wheel bearings—all systems require annual inspections and proper documentation to ensure full coverage.
[2] When installed by ArvinMeritor.
[3] 9000 Series is 3/Unl/P, 1/Unl/L.

(For brake components and ABS coverage, refer to appropriate product warranties.)

TAG/Pusher Axles[1]

TQ, TQD, TR, TRD

Beam and Brackets	3/Unl/P, 1/Unl/L

(For brake components and ABS coverage, refer to appropriate product warranties.)

Trailer Air Suspension Systems

RFS/MTA

Major Structural Components[1]	5/Unl/P, 1/Unl/L
Height Control Valve	1/Unl/P&L
Shock Absorbers[1]	2/Unl/P&L
Air Springs	2/Unl/P, 1/Unl/L
Bushings[1]	5/Unl/P, 3/Unl/L

(For axle and ABS coverage, refer to appropriate product warranties.)

[1] Raw wood applications 3/Unl/P, 1/Unl/L

Center Non-drive Axles – 2/100/P&L

61042	61052	71063
61043	61053	RC-26-700

Shock Absorbers 1/50/P

Coverage for trailer suspension shock absorbers may vary. Please check appropriate Trailer products sections for other terms.

Rear Engine Power Take-offs 1/Unl/P

Transfer Cases – 1/Unl/P

MTC-4208	T-1138
MTC-4210	T-2111
MTC-4213	T-2119
	T-2120
	TG-2213

Coverage Exclusions:

	Product Description
All:	The cost of any repairs, replacements or adjustments to a covered component (1) associated with noise; (2) resulting from the use or installation of non-genuine ArvinMeritor components or materials; (3) due to vibration associated with improper operation or misapplication of drivetrain components; and (4) damage resulting from corrosion.
Front Axles:	King Pin Bushings.
Rear Axles:	Self-contained traction equalizers and oil filters. The use of NoSPIN differentials will result in the exclusion of axle shafts from warranty considerations. NoSPIN is a product of Tractech Inc.
Clutch:	Friction face and mating surface of center and pressure plate, wear pads and clutch brake.
ASA:	Boot and bushing. Bent, broken, over-torqued, missing or otherwise damaged pawl assemblies.
ABS:	Cut, broken, chaffed or otherwise damaged cable wires. Damaged sensors from removal when seized in block, or sensor adjustments. Valve failures due to contamination in air system. E.C.U. failures due to excessive over-voltage conditions.
Air System Components:	Gladhands seals. Control valve knobs and handles.
Cam Brake:	Brake lining wear (except MX500 package) and brake shoe "rust-jacking."
Disc Brake:	Pads, rotors, non-Meritor WABCO chambers.

Coverage Limitations:

	Product Description
All:	Any claim beyond 60 days from date of repair will not be accepted or honored under this warranty program.
Front Axles:	Tie rod and tie rod ends limited to 3-year/300,000-mile or published vocational coverage, whichever is less. Wheel seals, gaskets and wheel bearings are covered for 1 year/unlimited miles if the wheel end equipment is supplied and assembled by ArvinMeritor.
Rear Axles:	Pinion and through shaft seals limited to 3-year/300,000-mile or published vocational coverage, whichever is less, if yoke is installed by ArvinMeritor. If yoke is not installed by ArvinMeritor, then ArvinMeritor does not warrant pinion seals. Wheel seals, gaskets and wheel bearings are covered for 1 year/unlimited miles if the wheel end equipment is supplied and assembled by ArvinMeritor.
Rear Axles:	The Meritor® breather part number A-1199-W-4053 or A-1199-R-4048 must be used for eligibility of any potential warranty consideration relating to contamination and/or loss of lube in axles.
Cam Brake:	Limited to bracket, brake spider and camshaft.
Disc Brake:	For EX brakes, warranty coverage for brake is 1/Unl/P when using chambers other than a Meritor WABCO chamber. All chamber coverages are limited to 1/Unl/P for disc brakes, excluding heavy service applications. Warranty coverage for boots, seals, bushings and pins is 2/200/P.
Transmissions:	Seal warranty is 3-years/300,000-miles or published vocational coverage, whichever is less, if yoke is installed by ArvinMeritor. If yoke is not installed by ArvinMeritor, there is no seal coverage. Approved synthetic lube required for extended transmission coverage.
Bus & Coach, R.V. Suspensions:	Links, rubber and plastic parts, bushings, bearings, joints and air springs are limited to 1/100/P&L.

Warranty coverage on vehicles with 1,850 lb-ft engine torque and over may be reduced on individual drivetrain components. Contact your ArvinMeritor representative for specific details.

Terms and Conditions

ArvinMeritor

(1) What is Covered by this Commercial Warranty? ArvinMeritor Inc. warrants to the owner ("Owner") that the components listed in this publication, which have been installed by an Original Equipment Manufacturer ("OEM") as original equipment in vehicles licensed for on-highway use, will be free from defects in material and workmanship. This warranty coverage begins only after the expiration of the OEM's vehicle warranty for the applicable covered components. Warranty coverage ends at the expiration of the applicable time period from the date of vehicle purchase by the first Owner, or, the applicable mileage limitation, whichever occurs first. Duration of coverage varies by component and vocation as detailed elsewhere in this warranty statement.

Some components are warranted for parts only and the Owner must pay any labor costs associated with the repair or replacement of the component. Other components are warranted for both parts and reasonable labor to repair or replace the subject component. Components (whether new, used or remanufactured) installed as replacements under this warranty are warranted only for the remainder of the original period of time or mileage under the original warranty.

For certain components, coverage requires the use of specific extended drain interval or synthetic lubricants. For further information about lubrication and maintenance, see ArvinMeritor publication Maintenance Manual Number I and the applicable ArvinMeritor maintenance manual for the product in question. Other conditions and limitations applicable to this warranty are detailed below.

(2) Designation of Vocational Use Required. To obtain warranty coverage, each Owner must notify ArvinMeritor through the OEM new truck and/or trailer dealer of the intended vocational use of the vehicle into which the ArvinMeritor components have been incorporated prior to the vehicle in-service date. This notification may be accomplished by registering the vehicle through your OEM new truck and/or trailer dealer or with ArvinMeritor directly. Failure to notify ArvinMeritor of (I) the intended vocational use of the vehicle or (II) a change in vocational use from that which was originally designated, will result in the application of a one year, unlimited mileage, parts only warranty (1/Unl/P) from the initial in-service date.

A second Owner and each subsequent Owner must also notify ArvinMeritor as to the intended vocational use of the vehicle. This notification can be sent directly to ArvinMeritor or through the OEM new truck and/or trailer dealer. The duration and mileage coverage of this warranty cannot exceed the coverage extended to the first Owner after his or her initial designation of vocational use.

Coverage under ArvinMeritor's warranty requires that the application of products be properly approved pursuant to OEM, ArvinMeritor, MeritorWABCO, and ZF engineering approvals. Refer to TP-9441 for axles, SP-8320 for trailer axles, and/or contact ArvinMeritor regarding specific application approval questions on any product line.

(3) What is the Cost of this Warranty? There is no charge to the Owner for this warranty.

(4) What is not Covered by this Warranty? This warranty does not cover normal wear and tear; nor does it cover a component that fails, malfunctions or is damaged as a result of (I) improper installation, adjustment, repair or modification (including the use of unauthorized attachments or changes or modification in the vehicle's configuration, usage, or vocation from that which was originally approved by ArvinMeritor), (II) accident, natural disaster, abuse, or improper use (including loading beyond the specified maximum vehicle weight or altering engine power settings to exceed the transmission, axle, driveline, and/or clutch torque capacity), or (III) improper or insufficient maintenance (including deviation from approved lubricants, change intervals, or lube levels). This warranty does not cover any component or part that is not sold by ArvinMeritor. For vehicles that operate full or part time outside of the United States and Canada, a one year, unlimited mileage, parts only warranty (1/Unl/P) will apply.

(5) Remedy. The exclusive remedy under this warranty shall be the repair or replacement of the defective component at ArvinMeritor's option. ArvinMeritor reserves the right to require that all applicable failed materials are available and/or returned to ArvinMeritor for review and evaluation.

(6) Disclaimer of Warranty.

THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES OR CONDITIONS, EXPRESSED, IMPLIED OR STATUTORY INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE.

(7) Limitation of Remedies. In no event shall ArvinMeritor be liable for special, incidental, indirect, or consequential damages of any kind or under any legal theory, including, but not limited to, towing, downtime, lost productivity, cargo damage, taxes, or any other losses or costs resulting from a defective covered component.

(8) To Obtain Service. If the Owner discovers within the applicable coverage period a defect in material or workmanship, the Owner must promptly give notice to either ArvinMeritor or the dealer from which the vehicle was purchased. To obtain service, the vehicle must be taken to any participating OEM new truck and/or trailer dealer or authorized ArvinMeritor service location. The dealer will inspect the vehicle and contact ArvinMeritor for an evaluation of the claim. When authorized by ArvinMeritor, the dealer will repair or replace during the term of this warranty any defective ArvinMeritor component covered by this warranty.

(9) Entire Agreement. This is the entire agreement between ArvinMeritor and the Owner about warranty and no ArvinMeritor employee or dealer is authorized to make any additional warranty on behalf of ArvinMeritor. This agreement allocates the responsibilities for component failure between ArvinMeritor and the Owner.

For more information, call **800-535-5560**.

ArvinMeritor™

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Troy, Michigan 48084 USA
800-535-5560
www.arvinmeritor.com

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DEMAND SUPPORT. ANYWHERE.

- Unmatched parts availability
- Factory-certified technicians
- More than 800 authorized service outlets in North America
- Demand it all at DetroitDiesel.com

Standard Warranty

Item	Warranty Limits (Whichever Occurs First)		Repair Charge (Paid by Owner)	
	Months	Miles / Kilometers	Parts	Labor
Engine	0-24	Unlimited	No charge	No charge
Injectors	0-24	200,000 mi 320,000 km	No charge	No charge
Upon expiration of the 24-month warranty coverage, but within 500,000 mi / 800,000 km of use, the warranty continues to apply as follows:				
Major Components	25-60	500,000 mi 800,000 km	No charge	Not covered

Extended Warranty Coverage (optional)

Application	Extended Service Coverage
Vocational	7yr / 250,000 mi

See your local Detroit Diesel authorized outlet for further details.

DETROIT DIESEL®
DEMAND PERFORMANCE

For more information, call 1-800-445-1980. www.DetroitDiesel.com

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PROPOSAL FOR FURNISHING FIRE APPARATUS

April 28, 2011

Green River Fire Department
50 East 2nd North
Green River, WY 82935

The undersigned is prepared to manufacture for you, upon an order being placed by you, for final acceptance by Pierce Manufacturing, Inc., at its home office in Appleton, Wisconsin, the apparatus and equipment herein named and for the following prices:

Two (2) Pierce Velocity PUC Pumpers Per the attached proposal Delivery is approximately 6 to 7 months		**$1,089,689.00**
Chassis Only Pre-Payment of ($597,954.00) Due in Net 30 Days of signed contract	**Deduct**	**($17,938.00)**
100% Pre-Payment on remaining balance ($491,735.20) Due in Net 30 Days of signed contract	**Deduct**	**($20,916.00)**

Discounts apply if paying cash or financing through Oshkosh Capital

Total $ _____

Said apparatus and equipment are to be built and shipped in accordance with the specifications hereto attached, delays due to strikes, war, or intentional conflict, failures to obtain chassis, materials, or other causes beyond our control not preventing, within about 6 to 7 months after receipt of this order and the acceptance thereof at our office at Appleton, Wisconsin, and to be delivered to you at Green River, WY

The specifications herein contained shall form a part of the final contract, and are subject to changes desired by the purchaser, provided such alterations are interlined prior to the acceptance by the company of the order to purchase, and provided such alterations do not materially affect the cost of the construction of the apparatus.

The proposal for fire apparatus conforms with all Federal Department of Transportation (DOT) rules and regulations in effect at the time of bid, and with all National Fire Protection Association (NFPA) Guidelines for Automotive Fire Apparatus as published at the time of bid, except as modified by customer specifications. Any increased costs incurred by first party because of future changes in or additions to said DOT or NFPA standards will be passed along to the customers as an addition to the price set forth above.

Unless accepted within 30 days from date, the right is reserved to withdraw this proposition.

PIERCE MANUFACTURING, INC.

By: _____
Sig Larson
SALES REPRESENTATIVE

Corporate Profile

Oshkosh Corporation is a leading manufacturer and marketer of access equipment, specialty vehicles and truck bodies for the primary markets of defense, concrete placement, refuse hauling, access equipment and fire & emergency.

Oshkosh is a global enterprise with fiscal 2010 revenue of $9.8 billion. This financial performance is the result of the company's diversified business model and focused growth strategies:

- **Invest in innovation.** Oshkosh seeks to introduce more new products and technologies than its competitors in each end market, giving the company a distinct competitive advantage. Oshkosh is at the forefront of robotic vehicle development, diesel-electric drive technology, and independent suspension systems.
- **Seek operational excellence.** Oshkosh's manufacturing philosophy of mass customization delivers highly specialized vehicles, while its large-scale manufacturing operations provide significant economies of scale.
- **Deliver superior quality and service.** Oshkosh's highest priority is meeting and exceeding our customers expectations. Our customers' satisfaction is our most important measure of success.
- **Pursue strategic acquisitions.** Oshkosh has a proven record of completing strategic acquisitions, and then driving organic growth and cost reductions. Since 1996, the company has completed 15 acquisitions and 2 divestitures.

The company's major brands - Oshkosh, JLG, Pierce, McNeilus, IMT, Medtec, Frontline, Jerr-Dan, CON-E-CO and London - are considered leaders in their industries. JLG leads with a diverse product portfolio including leading brands such as JLG® aerial work platforms; JLG, SkyTrak® and Lull® and telehandlers. Under its Pierce® brand, Oshkosh is North America's leading fire truck manufacturer. Oshkosh is among the world's leading defense vehicle manufacturers. McNeilus® brand concrete mixers are used by more concrete producers than any other. McNeilus is also North America's leader in refuse collection bodies. Jerr-Dan is a top name in towing and recovery equipment. CON-E-CO is a leading U.S. concrete batch plant manufacturer, and London is the leading Canadian concrete mixer manufacturer.

Founded in 1917, Oshkosh Corporation has manufacturing operations in 11 U.S. states and in Australia, Belgium, Canada, China, France, The Netherlands and Romania. The company currently employs approximately 12,400 people worldwide.

**Past performance does not guarantee future results.*

Primary IR Contact

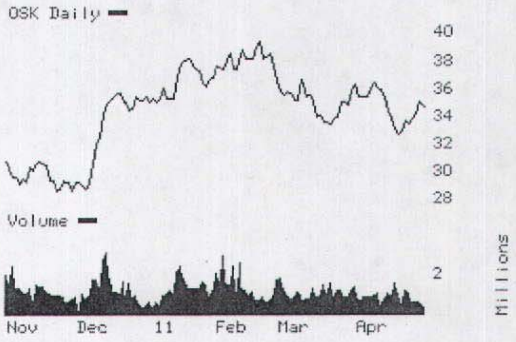
Patrick Davidson
Vice President, Investor Relations
Phone: 920.966.5939
E-mail:
pdavidson@oshkoshcorp.com

Stock Performance

OSK (COMMON STOCK)

Exchange	NYSE (US Dollar)
Price	**$35.19**
Change (%)	▲ 0.56 (1.62%)
Volume	348,913
52 Week Low	$24.63
Market Cap	$3,193,281,360
Rolling EPS	7.84
PE Ratio	4.48852
Shares Outstanding	90,744,000

Data as of 04/26/11 12:36 p.m. ET



FRONT RANGE
FIRE APPARATUS

Standa[illegible]mper
EXCEPTIONS, CLARIFI[illegible]IONS AND EXCEEDS

[illegible]/2011

Attachment	Page #	Para #	Type	Detail Area	Comments
	16	4	Clarification	Top Speed	Truck will be delivered with a top speed of 68MPH but the gear ratio's will allow for 75MPH.
	16	6	Exception	Rear Shocks	Rear shocks are not avaialbe with a 31,000 pound rear axle rating.
	85	6	Clarification	120V Pole Lights	Due to the PUC design and the roll up door over the crosslay it is not recommended that you locate these lights on the back of the cab. We have them included in the pricing so that you can pick a best location at pre construction.
	96 & 103	7	Clarification	Electrical Diagrams	We have provide As Built Wiring Diagrams for 12 volt and 120 volt systems, if not required you can deduct $4,000.00 from bid price
	98	4	Clarification	Frame Warranty	Frame warranty is a 50 year limited, this for the life of vehicle which is estimated at 50 years.
	99	1	Exception	Mechanical Door Parts	All mechanical parts in the doors are covered under the 1 year bumper to bumper warranty, they are not life time. The handles are 3 year 30,000 miles.

CITY OF GREEN RIVER, WYOMING

REQUEST FOR BID
FOR

GREEN RIVER FIRE DEPARTMENT
CUSTOM MULTI-PURPOSE RESPONSE PUMPER

ISSUE DATE: MARCH 24, 2011

ISSUED BY: CITY OF GREEN RIVER
50 E 2ND NORTH
GREEN RIVER, WY 82935

INQUIRIES: TRISH MANSFIELD
PURCHASING SUPERVISOR
307-872-6123
307-872-0567
TMANSFIELD@CITYOFGREENRIVER.ORG

BID OPENING DATE/TIME: APRIL 28, 2011 @ 2:00 MST

NOTICE AND CALL FOR BID

Custom Multi-Purpose Response Pumpers

NOTICE IS HEREBY GIVEN that sealed bids will be received at City Hall in Green River, Wyoming, ATTN: Trish Mansfield, 50 East 2nd North, on or before 2:00 pm (Mountain Standard Time) on April 28, 2011 at which time all bids in hand will be publicly opened and read. The project to be bid is for Two (2) Custom Multi-Purpose Response Pumpers for the Green River Fire Department.

Specifications, bids forms and other contract documents are on file and may be obtained free of charge from the Purchasing Division at City Hall, 50 East 2nd North, Green River, Wyoming. **Specifications are also available at www.cityofgreenriver.org.**

No bid shall be awarded by the City until such time as the City has had sufficient time to study all bids to assure that the bid awarded will meet the standards as set out in the Specifications.

All bids shall be accompanied by a Bid Bond or Cashier's Check in the amount of five (5) percent of the amount of the bid. No personal or company checks will be accepted. Bid Bonds must be issued in the name of the bidder.

The Green River Governing Body hereby reserves the right to reject any and all bids and to waive irregularities or informalities in the bids.

Dated this 24th day of March 2011.

/s/ Jeffrey V. Nieters
City Clerk

Publish dates: March 30; April 6, 2011

GREEN RIVER FIRE DEPARMENT SPECIFICATIONS FOR TWO (2) CUSTOM MULTI-PURPOSE RESPONSE PUMPERS	BIDDER COMPLIES	
	YES	NO

SUBMISSION OF BIDS

Bidders are required to return these specifications as part of their written bid proposal. Bids shall be submitted only in the format hereinafter set forth and on the forms attached. All signatures shall be in ink, and no proposal shall be considered unless signed. Bid cost shall include delivery F.O.B. City of Green River, 50 East 2nd North, Green River, WY 82935. Erasures are not acceptable on bid. If necessary to make changes, strike out incorrect data and write correct data above. All corrections must be initialed.

Bids shall be submitted in a sealed envelope endorsed on the outside with the statement, "Bid on New Custom Fire Apparatus" and bearing the date and time of the bid opening. Bids received after the designated time shall not be accepted or opened and shall be returned to the sender.

Bids shall be irrevocable for a period of sixty (60) days after the date set forth for the bid opening.

RESPONSIBILITY OF THE BIDDER

Any bidder who does not understand any portion of these specifications and/or the requirements, or who wishes to present a question on same, shall do so in writing to: Trish Mansfield, Purchasing, City of Green River, 50 East 2nd North, Green River, WY 82935. (Phone 307.872.6123 or E-mail: tmansfield@cityofgreenriver.org)

BIDDERS AFFIDAVIT

I, _____, as the authorized agent for Pierce Manufacturing Inc. do herby attest and affirm that the following information is true and that the bid submitted by our firm complies with the general instructions, requirements, and specifications contained in this bid except where indicated below.

GENERAL INFORMATION

The apparatus offered is manufactured by a single source apparatus (cab, chassis, and body) builder in North America.

The apparatus proposed is not a prototype.

The performance tests shall be performed in compliance with the specifications and all applicable standards.

GREEN RIVER FIRE DEPARMENT SPECIFICATIONS FOR TWO (2) CUSTOM MULTI-PURPOSE RESPONSE PUMPERS	BIDDER COMPLIES	
	YES	NO
All pages of the General Instructions Requirements and Specifications have been received and reviewed.		
All questionnaires and blanks have been accurately filled in.		
A properly executed Bid Bond enclosed.		
Bidder complies with Design Criteria.		
Bidder has included Apparatus Drawings per specifications.		
Apparatus proposed complies with dimensional requirements.		
The Bidder provides for training of personnel as described.		
All specified warranties included.		
All warranties are in compliance with specifications.		
The proposed apparatus and equipment is new and unused.		
A complete copy of the bidder's detailed proposal is included.		
A separate list of exceptions is attached.		

State the dimensions of the proposed apparatus:

A. Overall Height: 10' - 6.00"
B. Overall Length: 31' - 9.20"
C. Overall Width: 100.00"

Authorized Agent Information:

Name (Printed): Tim Asuma
Address: 2600 American Drive
Appleton, WI 54914
Contact person: Tim Asuma
Phone: 920-832-3000
Fax:
E-mail: tasuma@piercemfg.com
Agent Signature:
Date: 4/19/21

GREEN RIVER FIRE DEPARMENT SPECIFICATIONS FOR TWO (2) CUSTOM MULTI-PURPOSE RESPONSE PUMPERS	BIDDER COMPLIES	
	YES	NO

Manufacturer Information:

Name: Pierce Manufacturing
Address: 2600 American Drive
Appleton, WI 54914
Phone: 920-832-3000
Fax:

INTENT OF SPECIFICATIONS

It is the intent of these specifications to describe, in detail, the minimum requirements for furnishing two (2) complete custom apparatus manufactured and equipped as hereinafter specified.

These specifications cover only the general requirements as to the type of construction and certain details such as; finish, equipment and appliances with which the apparatus and the successful bidder must conform.

Minor details of construction and material where not otherwise specified are left to the discretion of the contractor, who shall be solely responsible for the design and the construction of all features.

The apparatus proposed, in addition to complying with these specifications, shall also comply with the appropriate requirements of the National Fire Protection Association (NFPA), The Department of Transportation, the Federal Motor Vehicle Safety Standards, and the Society of Automotive Engineers in effect on the date of the bid unless stated otherwise in these specifications.

Bids shall only be considered from companies who are, or represent, an established reputable company in the field of fire apparatus construction which has been in business for a minimum of 20 years.

Each bidder shall furnish satisfactory evidence of their, or represented company's ability to construct the apparatus specified, and shall state the location of the factory where the apparatus will be assembled.

Each bid shall be accompanied by a set of contractor's specifications consisting of a detailed description of the apparatus and equipment proposed. These specifications shall indicate make and model of all component parts and equipment.

	BIDDER COMPLIES	
	YES	NO
The apparatus and major components shall be built in North America.		

SINGLE SOURCE MANUFACTURER

The cab, chassis, and body shall be manufactured by one builder to ensure compatibility, serviceability, and to eliminate divided responsibility. Statements indicating that the bidder's service center honors all warranties or that a chassis is manufactured to the bidder's specifications do not comply with the intent of this requirement.

DESIGN CRITERIA

The apparatus shall be of the latest design and type while using the most current industry construction techniques. The complete apparatus, assemblies, component parts, etc., shall be designed and constructed with due consideration to the nature and distribution of the load to be sustained and the general character of the service to which the apparatus is to be subjected. The bidder shall make accurate statements as to apparatus weight and dimensions.

All parts of the apparatus shall be designed with a factor of safety that is equal to or greater than that which is considered standard and acceptable for this class of equipment in the firefighting and/or emergency service. The apparatus shall be designed and constructed that the various parts are readily accessible for lubrication, inspection, adjustment and repair.

TECHNICAL EVALUATION

Technical evaluation shall be based upon the ability of the Bidder to meet or exceed the minimum requirements set forth in the specifications during the expected life of the apparatus being bid. Estimates concerning the ability of the fire apparatus to perform accordingly shall be made by the purchaser.

1. Quality of workmanship, materials, and components used in construction of fire apparatus.
2. Functional design of fire apparatus
3. Warranties
4. Any other factors the purchaser deems to be relevant.

PERFORMANCE TEST AND REQUIREMENTS

	BIDDER COMPLIES	
	YES	NO
VEHICLE STABILITY: The height of the fully loaded vehicle's center of gravity, front to rear weight distribution of the fully loaded vehicle, and minimum front axle loads under all loading conditions, shall be within the limits set by the bidders engineering department. The delivered apparatus shall have a certified GVWR weight sticker applied to the vehicle upon delivery to assure the apparatus meets all requirements pertaining to the weight carrying capacity of the vehicle. APPARATUS PERFORMANCE: The apparatus, when fully equipped and loaded as defined by NFPA standards, shall be capable of the following performance while on dry, paved roads that are in good condition. The apparatus shall be able to attain a speed of 35 mph within 25 seconds from a standing start on a level road. The apparatus shall be able to attain a minimum top speed of 50 mph on a level road. The apparatus shall be able to maintain a speed of at least 20 mph on any grade up to and including 6 percent. BRAKING: The service brakes shall be capable of bringing the fully laden apparatus to a complete stop from an initial speed of 20 mph, in a distance not exceeding 35 feet by actual measurement on a hard, level surface road that is free of loose material, oil or grease. FIRE PUMP TESTING: The fire pump shall be tested by an independent 3rd party testing company in accordance with current NFPA standards. **FAMILIARITY WITH LAWS** The bidder is presumed to be familiar with all Federal, State and Local laws, ordinances, code rules and regulations that may in any way affect this contract. Ignorance on the part of the bidder shall in no way relieve the bidder from responsibility to comply with these specifications. **TAXES** The bid price shall not include any Local, State or Federal taxes. **LIABILITY**		

	BIDDER COMPLIES	
	YES	NO
The successful bidder shall defend any and all suits and assume all liability for the use of any patented process, device or article forming a part of the apparatus or any appliance furnished under the sales contract.		

INSURANCE

The bidder shall furnish with their bid, Certificates of Insurance for the following:

- General Liability
- Automotive Liability
- Excess Liability
- Workers Comp/Employers

The manufacturer of the apparatus bid shall provide the City of Green River with a certificate of Insurance proving that they carry a minimum of $50,000,000.00 in product liability insurance.

All insurance policies shall be maintained for the life of the contract, provide a minimum of five (5) days notice before cancellation, and shall cover all operations of the contractor or anyone employed by the contractor.

WARRANTY

The bidder shall provide warranty information with their bid. The bidder shall state the warranty term offered for the major components of the apparatus.

Each bidder shall provide with their bid complete warranty information that must become an integral component of the sales contract.

A warranty contact form shall be attached to the bid.

PROPOSAL DRAWINGS

Drawings of the proposed apparatus are required with this bid. These drawings shall be an important tool in evaluating the bids. They shall also insure that the purchaser understands the apparatus being proposed by the bidder. These drawings shall depict the driver's side, passenger side, top, front and rear views.

Drawings supplied shall be specifically for the purchaser. Any drawings that are similar to or general in design are not acceptable and shall be considered non-compliant.

EXCEPTIONS TO SPECIFICATIONS

	BIDDER COMPLIES	
	YES	NO
These specifications shall be strictly adhered to. Exceptions may be allowed only in the sole judgment of the purchasing authority if they are equal to or superior to items specified. All exceptions and deviations shall be listed and fully explained on a separate page entitled "Exceptions to Specifications" and shall reference the page number of the specification. Bidders shall place a check in the appropriate column on the right hand side of the page to signify compliance or noncompliance with each item of these specifications.		
All paragraphs that are checked as a "No", or "Noncompliant" shall be explained on the exception page. The term "exceeds" or other like terms shall not be acceptable as an explanation of noncompliance.		
If no exceptions are taken, and compliance is indicated, then it shall be understood that the apparatus shall be built exactly to the required specifications as written.		
The apparatus shall be inspected upon delivery for compliance with the specifications. The bidder understands that the failure to meet the specifications as published by the Purchaser, which shall be part of the contract, shall be grounds to refuse delivery, and further understands that the "Non-Performance" assessment as stated in these specifications may be fully enforced without exception.		
"OR APPROVED EQUAL" CLAUSE		
The use in these specifications of apparatus, equipment or material by brand name or by such specified description of same is hereby made, is intended to convey to the bidder's understanding, the degree of excellence required. Any item, component, or material which conforms to the standards and excellence as established by these specifications, and is of equal merit, strength, durability and appearance and can perform the desired function, is deemed eligible for offer as a substitute.		
The qualifications of the offering shall be judged as to their conformance with these specifications. Any equipment offered other than herein specified shall be subject to a competitive demonstration and evaluation by the purchaser. Such demonstration shall be provided on request within ten (10) working days after the receipt of bids.		
ADDENDUMS AND INTERPRETATIONS		
No interpretation of the meaning of these specifications or other bid documents shall be made to any bidder verbally. All requests for interpretation of the bid		

	BIDDER COMPLIES	
	YES	NO
package shall be made in writing and addressed to the Purchasing Division, and shall be received no later than ten (10) working days prior to the bid opening date to be given consideration. Any and all such interpretations, and any supplemental instructions, shall be issued in the form of a written addendum to the specifications which, if issued, shall be sent via e-mail to all known prospective bidders no later than five (5) working days prior to the date fixed for the opening of bids. Failure to include any such addendums or interpretations shall not relieve any bidder from the obligation under their bid as submitted. Any questions to the specifications may be addressed to the Purchasing Division of the City of Green River. **BID AWARD** All bidders shall be aware that it is the intent of the Purchaser to award the bid based on compliance to specifications and the bidder's ability to support the apparatus over their effective service life, not just initial acquisition cost alone. Only bids from companies that can supply all the items and assurances specified shall be considered. The Purchaser reserves the right to reject or accept any and all bids; to waive any irregularities or informalities; and to re-bid or re-advertise for bids if it is determined to be necessary or desirable; based upon their being the sole determinant in taking this action to accept or reject. **FINANCIAL QUALIFICATIONS OF BIDDERS** Bids shall only be considered from apparatus manufacturers who can demonstrate their financial ability to manufacture and support the apparatus herein specified. As proof of their financial strength current financial statements shall be provided. If the apparatus manufacturer is a "privately" held company or corporation they shall submit with the bid proposal a "current" certified financial statement. If the apparatus manufacturer is a "publicly" held corporation the bidder shall provide this Agency the stock market symbol and on what stock exchange the company's stock is traded. **SERVICE CENTER REPRESENTATION** To assure the purchaser that prompt, professional and accurate representation is made on behalf of the manufacturer, a factory authorized service center within 500 miles from the purchaser. This service center shall be competent and knowledgeable with respect to the sales and service of the emergency apparatus		

	BIDDER COMPLIES	
	YES	NO
that the manufacturer produces. The service center shall have available twenty-four (24) hours a day, factory trained and authorized service technicians who are completely trained in the servicing and maintenance of the apparatus offered. The manufacturer representative shall attend all contract review meetings, pre-construction meetings, inspection trips, and completed unit delivery to the purchaser. **SERVICE ABILITY REQUIREMENTS** The Purchaser places a very high priority on service. All bidders shall therefore provide complete details of their ability to service the apparatus proposed, including but not limited to the following: 1. Service Center Facility: Size, location(s), bays, paint and body capabilities 2. Service Vehicles: Number and limitations 3. Certified Service Employees: Number of NAEVT Certified technicians 4. Service: Hours of operation 5. Parts volume at location(s) and emergency contingency offerings The Service Ability section of these specifications will be a major factor in determining the successful bidder. Limited manpower does not allow for the apparatus to be taken to various places for repairs. It is the desire of the Purchaser that repairs to the apparatus which can be reasonably accomplished in the fire station shall be done so to reduce the out of service time of the apparatus. The bidder's authorized service center shall have a minimum of one fully equipped service vehicle, which shall carry equipment needed to work on the apparatus proposed. The bidder's service center shall have a fully enclosed and heated facility which shall be located within 500 miles of the fire station where the apparatus proposed will be housed after delivery. This facility shall have adequate security to protect the Agency's equipment while undergoing necessary service or repair. The service center shall be certified by the apparatus builder and shall be able to provide body, paint, pump, electrical, hydraulic, HVAC and chassis repairs.		

	BIDDER COMPLIES	
	YES	NO
The authorized service center shall be available for an inspection by designated representatives of the Purchaser prior to bid award.		

BID BOND REQUIREMENTS

All bidders are required to furnish a bid surety in the amount of 5% with their bid. No personal or company checks will be accepted. Bid Bonds must be issued in the name of the bidder, not the manufacturer.

With respect to the qualifications of proposed sureties, the bidder's bonding company shall meet the following requirements:

1. An acceptable surety as outlined by the Department of the Treasury on their most recent Federal Register.
2. A.M. Best rating of "A" or better.
3. Licensed as a surety in the state where the sale is made, and the state of the manufacturer.

PERFORMANCE AND PAYMENT BOND

All bidders should take note that if their bid is accepted and awarded, they shall furnish a 100% performance and payment bond within fifteen (15) working days after the order is received. Failure to execute and deliver the performance bond in the required time may void the bid award.

NON-COLLUSIVE BIDDING CERTIFICATION

By submission of this bid, each bidder and each person signing on behalf of any bidder, certifies, and in the case of a joint bid, each party thereof certifies as to its own organization, under the penalty of perjury, that to the best of their knowledge and belief:

1. The prices in this bid have been arrived at independently without collusion, consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any bidder or any competitor.
2. Unless otherwise required by law, the prices that have been quoted in this bid have not been knowingly disclosed by the bidder and shall not

	BIDDER COMPLIES	
	YES	NO
knowingly be disclosed by the bidder prior to opening, directly or indirectly, to any other bidder or any competitor.		
3. No attempt has been made by the bidder to induce any other person, partnership, or corporation to submit or not to submit a bid for the purpose of restricting competition.		
4. That all requirements of the law including amendatory provisions as to non-collusive bidding have been complied with.		

Authorized Signature

Timothy W. Asuma
Name (printed)

Director of Finance
Title

4/19/11
Date

PRE-CONSTRUCTION CONFERENCE

A meeting shall be held within 45 days after the contract has been executed so that all specifications, details, drawings, questions and engineering work can be reviewed and approved by the Purchaser. This meeting shall not in any way delay the construction of the apparatus.

All expenses for transportation, meals and lodging for a total of three (3) representatives of the Purchaser shall be included in the bid price. Airline transportation shall be provided if the distance to the pre-construction meeting site exceeds 500 miles.

The meeting shall be held prior to the commencement of any work being done on the apparatus. The responsible persons shall be in attendance at the conference to authorize decisions on behalf of the Purchaser. Signed approvals by authorized personnel from the Purchaser shall be given to the manufacturer within 10 working days and prior to any work being started. It is understood that delays in obtaining approval signatures may delay construction.

	BIDDER COMPLIES	
	YES	NO

INSPECTION TRIPS

The bid price shall include two (2) inspection trips for three (3) designated representatives of the Purchaser to the factory where the apparatus is being constructed. The purpose of the trips is for monitoring construction progress and inspecting the apparatus for compliance to contract specifications.

The Purchaser requires that all expenses for transportation, meals and lodging be paid for by the bidder and shall so be stated in their bid. Airline transportation shall be provided if the distance to the manufacturer's facility exceeds 500 miles, one way. The Purchaser also requires that the bidder's representative accompany the members to the factory.

PAYMENT TERMS

The Purchaser agrees to purchase and pay in full for the apparatus and miscellaneous equipment pursuant to the following terms and conditions:

1. All prices shall be less any taxes
2. Upon completion of delivery and training by the delivering technician.
3. Payment will be made within 45 days of receipt of invoice.
4. The apparatus, without exception, shall not be placed "In Service" prior to full payment of the apparatus and miscellaneous equipment.

DELIVERY

The Purchaser shall review the entire apparatus for compliance to the specifications at the manufacturer's factory or service center.

Upon successful completion of the review process, the Bidder shall transport the apparatus under its own power to the manufacturer's authorized service center nearest the Purchaser's location for final delivery preparation.

PRE-DELIVERY CHECKLIST

The following shall be completed prior to delivery to the Purchaser:

1. Clean and detail: Eliminate air and water leaks, remove all metal shavings, tighten and secure any loose hardware, correct all paint scratches or paint

	BIDDER COMPLIES	
	YES	NO
chips. 2. Check all operations: Test acceleration and braking to NFPA requirements; check and record turning radius and delivered weight less personnel; eliminate any driveline vibration through all speeds; check HVAC system. 3. Check fire pump and plumbing operation to NFPA requirements; pressure relief control and operation; control and operation of all levers, gauges, and switches; eliminate all plumbing leaks; check priming system. 4. Electrical: Check of all circuits, switches, warning lamps and buzzers; engine gauges in cab and elsewhere on the apparatus. Check of the Generator and all related components. The Purchaser shall be given notice that the apparatus is ready for inspection prior to delivery. It shall be the Purchaser's option to inspect the apparatus at the bidder's service center prior to delivery.		

BIDDER COMPLIES	
YES	NO

TECHNICAL SPECIFICATIONS

CHASSIS

The chassis provided shall be a new, current production model, tilt-type custom fire apparatus. The chassis shall be manufactured in the apparatus body builder's facility, eliminating any split responsibility. The chassis shall be designed and manufactured for heavy duty service, with adequate strength and capacity for the intended load to be sustained and the type of service required.

FRAME

The chassis frame shall be built with two (2) steel channels bolted to five (5) cross members or more, depending on other options of the apparatus. Each rail shall have a minimum section modulus of 25.00 cubic inches, and a minimum resisting bending moment (rbm) of 3,100,000 in-lb. over the critical regions of the frame assembly and a minimum section modulus of 18.00 cubic inches with a minimum rbm of 2,275,000 in-lb over the rear axle. The frame rails shall be constructed of a minimum 120,000 psi yield strength.

Identify dimensions of materials used: Side rails shall have a 13.38" tall web over the front and mid sections of the chassis, with a continuous smooth taper to to 10.75" over the rear axle.

FRAME REINFORCEMENT

In addition, a mainframe inverted "L" liner shall be provided. Each liner shall have a minimum section modulus of 7.700 cubic inches, a minimum yield strength of 110,000 psi, and minimum rbm of 857,000 in-lb. Total rbm at wheelbase center shall be approximately 3,975,000 pounds per rail.

The frame liner shall be mounted inside the chassis frame rail and extend the full length of the frame.

Identify dimensions of materials used: A mainframe inverted "L" liner measuring 12.00" x 3.00" x .25"

SEATING CAPACITY

The seating capacity in the cab shall be six (6).

WHEELBASE

The wheelbase shall be a maximum of 191 inches.

GROSS VEHICLE WEIGHT RATING

The GVWR shall be a minimum rating of 53,000 lbs.

	BIDDER COMPLIES	
	YES	NO

CAB, CHASSIS AND BODY ELECTRICAL
The complete electrical system shall be multiplex design.

ELECTRONIC STABILITY CONTROL
A vehicle control system shall be provided as an integral part of the ABS brake system.

The system shall monitor and update the lateral acceleration of the vehicle and compare it to a critical threshold where a side roll event may occur. If the critical threshold is met, the vehicle control system shall automatically reduce engine RPM, engage the engine retarder, and selectively apply brakes to the individual wheel ends of the front and rear axles to reduce the possibility of a side roll event.

The system shall monitor directional stability through a lateral accelerometer, steer angle sensor and yaw rate sensor. If spinout or drift out is detected, the vehicle control system shall selectively apply brakes to the individual wheel ends of the front and rear axles to bring the vehicle back to its intended direction.

ANTI-LOCK BRAKE SYSTEM
The vehicle shall be equipped with an anti-lock braking system. The ABS shall provide a four (4) channel anti-lock braking control on both the front and rear wheels. A digitally controlled system that utilizes microprocessor technology shall control the anti-lock braking system. Each wheel shall be monitored by the system. When any wheel begins to lockup, a signal shall be sent to the control unit. This control unit shall then reduce the braking of that wheel for a fraction of a second and then reapply the brake. This anti-lock brake system shall eliminate the lockup of any wheel thus helping to prevent the apparatus from skidding out of control.

AUTOMATIC TRACTION CONTROL
An anti-slip feature shall be included with the ABS. The Automatic Traction Control shall be used for traction in poor road and weather conditions. The Automatic Traction Control shall act as an electronic differential lock that shall not allow a driving wheel to spin, thereby supplying traction at all times. The ABS electronic control unit (ECU) shall work with the engine ECU, sharing information concerning wheel slip. Engine ECU shall use information to control engine speed, allowing only as much throttle application as required for the available traction, regardless of how much the driver is asking for. A "mud/snow" switch shall be provided on the instrument panel. Activation of the switch shall allow additional tire slip to let the truck climb out and get on top of deep snow or mud.

FRONT AXLE
The front axle shall be of the independent suspension design with a minimum 22,000 lb. rating. The front axle shall have oil seals with viewing windows for oil level.

	BIDDER COMPLIES	
	YES	NO
The turning angle shall be 45 degrees.		
FRONT SUSPENSION The spring weight capacity shall be rated at minimum 22,000 pounds.		
FRONT SHOCK ABSORBERS Nitrogen gas filled telescoping shock absorbers shall be provided on the front suspension.		
FRONT TIRES Front tires shall be 425/65R22.50" 20 ply radials, mounted on Aluminum Alcoa, 22.50" x 12.25" wheels or equivalent.		
REAR AXLE The rear axle shall be a single drive axle. The axle shall include precision forged, single reduction differential gearing, and shall have a fire service rated minimum capacity of 31,000 lb. The rear suspension shall be of semi-elliptical design. The rear axle ratio shall be furnished to allow the apparatus to reach a top speed of approximately 75 MPH.		
REAR SUSPENSION The rear suspension capacity shall have a minimum rating of 31,000 pounds.		
REAR SHOCK ABSORBERS Nitrogen gas filled telescoping shock absorbers shall be provided on the rear suspension.		X
REAR TIRES Rear tires (4) shall be 315/80R22.50" 18 ply all season radials, mounted on Aluminum Alcoa 22.50" x 9.00" wheels or equivalent.		
TIRE, AIR PRESSURE EQUALIZATION An air pressure equalization system shall be provided on the rear dual wheels. This system shall equalize the tire air pressure in the rear duals and indicate over or under inflation.		
AUTOMATIC TIRE CHAINS One (1) pair of automatic tire chains shall be provided at the rear. System shall be electric over air operated with switch on cab instrument panel. System to be operable at speeds up to 35 mph.		
TIRE BALANCE All tires shall be dynamically balanced.		
LUG NUT COVERS		

	BIDDER COMPLIES	
	YES	NO
Chrome plated lug nut covers shall be installed on all lug nuts.		
AIR COMPRESSOR The air compressor shall have a minimum of 15.00 cubic feet per minute output at 1,250 RPM.		
BRAKE SYSTEM The brake system shall include: ▪ Dual brake treadle valve with vinyl covered foot surface ▪ Heated automatic moisture ejector ▪ Total air system capacity of a minimum of 4,300 cubic inches ▪ Two (2) air pressure gauges with red warning light and audible alarm, that activate when air pressure falls below 60 psi ▪ Spring set parking brake system ▪ Parking brake operated by a control valve ▪ A parking "brake on" indicator light on instrument panel ▪ A double check valve system to provide automatic spring brake application at 40 psi ▪ Air dryer properly sized for the entire brake system with spin-on coalescing filter cartridge with 100 Watt Heater		
The air tank shall be primed and painted to meet a minimum 750 hour salt spray test.		
To reduce the effects of corrosion, the air tank shall be mounted with stainless steel brackets.		
BRAKES The service brake system shall be full air type. The front brakes shall be disc type.		
The rear brakes shall be disc operated with automatic slack adjusters and a 17.00" ventilated rotor for improved stopping distance.		
BRAKE LINES Color-coded nylon brake lines shall be provided. The lines shall be wrapped in a heat protective loom where necessary in the chassis.		
AUTOMATIC MOISTURE EJECTOR(S) Automatic moisture ejectors shall be installed in the brake system as needed.		
Each moisture ejector shall be equipped with a 12-volt heater, controlled by thermostat and ignition switch.		

	BIDDER COMPLIES	
	YES	NO

The moisture ejector(s) shall be provided on all reservoir(s).

AIR INLET

One (1) air inlet with male coupling shall be provided. It shall allow station air to be supplied to the apparatus brake system through a shoreline hose. The inlet shall be located in the driver side lower step well of cab. A check valve shall be provided to prevent reverse flow of air. The inlet shall discharge into the "wet" tank of the brake system. A mating female coupling shall also be provided with the loose equipment.

ENGINE

The chassis shall be powered by an electronically controlled diesel engine with minimum requirements as described below:

- Power: 500 hp at 1800 rpm
- Peak Torque: 1650 lb-ft at 1200 rpm
- Governed Speed: 2000 rpm
- Emissions Level: EPA 2011
- Fuel: Diesel
- Cylinders: Six (6)
- Displacement: 781 cubic inches (12.8L)

Standard equipment on the engine shall include the following:

- Starting Motor: Delco MT series
- Turbocharger: VGT
- Air To Air After-cooled
- Lube Oil Cooler
- Lube Oil Filter: Full flow
- Air Cleaner: Farr or equal
- Fuel Filters: Dual spin-on style with check valve, water separator, and water in fuel sensor
- Coolant Filter: Spin-on with shut off valves on the supply and return line

ENGINE AIR INTAKE

An air intake with an ember separator (to prevent road dirt, burning embers, and recirculating hot air from entering the engine) shall be mounted at the front of the apparatus, on the passenger side of the engine.

The ember separator shall be mounted in the air intake with a flame resistant housing, and be easily accessible. It shall be easily accessible by the hinged access panel at the front of the vehicle.

ENGINE COOLING SYSTEM

The radiator and the entire cooling system shall meet or exceed all NFPA cooling

	BIDDER COMPLIES	
	YES	NO
system standards, as well as those specified by the engine manufacturer, under all apparatus operating conditions. For maximum corrosion resistance and cooling performance, the entire radiator core shall be constructed using long life aluminum alloy. The core shall be made of aluminum fins, having a serpentine design, brazed to aluminum tubes. The tubes shall be brazed to aluminum headers. No solder joints or leaded material of any kind shall be acceptable in the core assembly. The radiator core shall have a minimum frontal area of 1,434 square inches. Supply and return tanks made of glass-reinforced nylon shall be crimped on to the core assembly using header tabs and a compression gasket to complete the radiator core assembly. The radiator shall be compatible with commercial antifreeze solutions. There shall be a full steel frame around the entire radiator core assembly. The radiator core assembly shall be isolated within the steel frame by rubber inserts to enhance cooling system durability and reliability. The radiator shall be mounted in such a manner as to prevent the development of leaks caused by twisting or straining when the apparatus operates over uneven ground. The radiator assembly shall be isolated from the chassis frame rails with rubber isolators. The radiator assembly shall include an integral deaeration tank permanently mounted to the top of the radiator framework, with a readily accessible remote-mounted overflow tank. For visual coolant level inspection, the radiator shall have a built-in sight glass and an electronically controlled low coolant display mounted on the instrument panel. The radiator shall be equipped with a 15 psi pressure relief cap. A drain port shall be located at the lowest point of the cooling system and/or the bottom of the radiator to permit complete flushing of the coolant from the system. A heavy-duty fan shall draw in fresh, cool air through the radiator. Shields or baffles shall be provided to prevent recirculation of hot air to the inlet side of the radiator. **COOLANT LINES** Silicone hoses shall be used for all engine/heater coolant lines installed by the chassis manufacturer. Hose clamps shall be stainless steel "constant torque type" to prevent coolant leakage. They shall react to temperature changes in the cooling system and expand or contract accordingly while maintaining a constant clamping pressure on the hose. **CLUTCH FAN** A fan clutch shall be provided. The fan clutch shall be automatic when the pump		

	BIDDER COMPLIES	
	YES	NO
transmission is in "Road" position, and fully engaged in "Pump" position.		

ENGINE BRAKE

A compression brake, for the six (6) cylinder engine shall also be provided. A cutout relay shall be installed to disable the compression brake when in pump mode or when an ABS event occurs. The engine compression brake shall activate upon 0% accelerator when in operation mode and actuate the vehicle's brake lights.

AUXILIARY ENGINE BRAKE

The engine shall utilize a variable geometry turbo (VGT) as an integrated auxiliary engine brake to offer a variable rate of exhaust flow, which when activated in conjunction with the compression brake shall enhance the engine's compression braking capabilities.

AUXILIARY ENGINE BRAKE CONTROL

An engine compression brake control device shall be included. The electronic control device shall monitor various conditions and shall activate the engine brake only if all of the following conditions are simultaneously detected:

- A valid gear ratio is detected.
- The driver has requested or enabled engine compression brake operation.
- The throttle is at a minimum engine speed position.

The electronic controller is not presently attempting to execute an electronically controlled final drive gear shift.

The compression brake shall be controlled through an on/off switch and a low/medium/high selector switch.

ELECTRONIC ENGINE OIL LEVEL INDICATOR

The engine oil shall be monitored electronically and shall send a signal to activate a warning in the instrument panel when levels fall below normal. The warning shall activate in a low oil situation upon turning on the master battery and ignition switches without the engine running

AUXILIARY FUEL PUMP

An auxiliary electric fuel pump shall be added to the fuel line for priming the engine. A switch located on the cab instrument panel shall be provided to operate the pump.

FUEL COOLER

An air to fuel cooler shall be installed, in the engine fuel return line.

EXHAUST SYSTEM

	BIDDER COMPLIES	
	YES	NO
The exhaust system shall include a diesel particulate filter (DPF) and a selective catalytic reduction (SCR) device to meet current EPA standards. The exhaust system shall be stainless steel from the turbo to the inlet of the SCR device and shall be 5.00" in diameter. An insulation wrap shall be provided on all exhaust pipe between the turbo and SCR to minimize the transfer of heat to the cab. The exhaust shall terminate horizontally ahead of the passenger side rear wheels. A tailpipe diffuser shall be provided to reduce the temperature of the exhaust as it exists. Heat deflector shields shall be provided to isolate chassis and body components from the heat of the tailpipe diffuser.		
REPTO DRIVE A rear engine power take off shall be provided to drive the water pump. A vibration dampener shall be provided between the REPTO and water pump. Transmission PTO's used to drive the water pump shall not be allowed due to their lower torque ratings. The rear engine power take off shall be the same as used extensively throughout the construction industry. Rear engine PTO's allow for continuous horsepower and torque ratings needed to meet the pump manufacturer's specifications. The rear engine power take off shall have the same warranty as the engine provided by the engine manufacturer.		
PTO DRIVELINE GUARDS One (1) PTO driveline guard loop shall be provided and installed to support the PTO driveline shaft for routine maintenance and in the event of a PTO driveline component failure.		
TRANSMISSION An electronic, torque converting, automatic transmission shall be provided.		
Transmission shall be an Allison Gen IV-E 4000 EVS P six (6) speed, torque converting, automatic transmission which shall include electronic controls.		
Two (2) PTO openings shall be located on left side and top of converter housing (positions 8 o'clock and 1 o'clock).		
The transmission shall include two (2) internal oil filters which shall offer Castrol TranSynd™ synthetic TES 295 transmission fluid which shall be utilized in the lubrication of the EVS transmission.		
The Gen IV-E transmission shall include prognostic diagnostic capabilities. These capabilities shall include the monitoring of the fluid life, filter change indication, and transmission clutch maintenance.		
The transmission ratio shall be 1st - 3.51 to 1.00, 2nd - 1.91 to 1.00, 3rd - 1.43 to		

	BIDDER COMPLIES	
	YES	NO
1.00, 4th - 1.00 to 1.00, 5th - 0.75 to 1.00, 6th - 0.64 to 1.00, R - 4.80 to 1.00.		
A transmission temperature gauge with red light and buzzer shall be installed on the cab instrument panel.		
TRANSMISSION SHIFTER An Allison pressure sensitive range selector touch pad shall be provided and located to the right of the driver within clear view and easy reach.		
The shift selector shall provide a prognostic indicator (wrench symbol) on the digital display between the selected and attained indicators. The prognostics monitor various operating parameters to determine and shall alert you when a specific maintenance function is required.		
Shift position indicator shall be indirectly lit for after dark operation.		
TRANSMISSION PROGRAMMING The transmission shall be programmed to automatically shift the transmission to neutral, when the parking brake is set to simplify operation and increase operational safety with selector override. This feature commands the transmission to neutral when the park brake is applied, regardless of drive range requested on the shift selector. This requires re-selecting drive range to shift out of neutral for the override.		
ELECTRONIC TRANSMISSION OIL LEVEL INDICATOR The transmission fluid shall be monitored electronically and shall send a signal to activate a warning in the instrument panel when levels fall below normal.		
TRANSMISSION PRE-SELECT WITH AUXILIARY BRAKE When the auxiliary brake is engaged, the transmission shall automatically shift to second gear to decrease the rate of speed assisting the secondary braking system and slowing the vehicle.		
TRANSMISSION COOLER A water to oil cooler system located in the cooling loop between the radiator and the engine.		
DRIVELINE Drivelines shall be a heavy-duty metal tube and be equipped with minimum Spicer 1810 universal joints or equivalent.		
The shafts shall be dynamically balanced before installation.		
A splined slip joint shall be provided in each driveshaft.		

	BIDDER COMPLIES	
	YES	NO
FUEL TANK A 65-gallon fuel tank shall be provided and mounted at the rear of the chassis. The tank shall be constructed of 12-gauge, hot rolled steel It shall be equipped with swash partitions and a vent. To eliminate the effects of corrosion, the fuel tank shall be equipped with stainless steel straps. A .75" drain plug shall be provided in a low point of the tank for drainage. A fill inlet shall be located on the driver's side of the body and be covered with a hinged, spring loaded, stainless steel door. A .50" diameter vent shall be provided running from top of tank to just below fuel fill inlet. The tank shall meet all FHWA 393.67 requirements including a fill capacity of 95 percent of tank volume. All fuel lines shall be provided as recommended by the engine manufacturer. **STEERING SYSTEM** Dual steering gears, with integral heavy-duty power steering, shall be provided. For reduced system temperatures, the power steering shall incorporate an air to oil cooler and a three (3)-line hydraulic pump with integral pressure and flow control. **MUD FLAPS** Mud flaps shall be installed behind the front and rear wheels of the apparatus. **FRONT BUMPER** A one (1) piece, stainless steel bumper shall be attached to the front of the chassis frame .A 9.00" formed steel channel shall be mounted directly behind bumper for additional strength. **RIGGING EYES** Two (2) chrome rigging eyes shall be mounted through the front face of the bumper. Rigging eyes shall be mounted directly to the bumper frame. Cutouts shall be provided in the front face of stainless steel bumper to allow rigging eyes to extend out the front. The rigging eyes shall be designed and positioned to allow up to a minimum 9,000 lb. straight horizontal pull in line with the centerline of the vehicle.		

	BIDDER COMPLIES	
	YES	NO
GRAVEL PAN A gravel pan, constructed of bright aluminum tread plate, shall be furnished between the bumper and cab face.		
LIFT AND TOW MOUNTS Mounted to the frame extension shall be lift and tow mounts. The lift and tow mounts shall be designed and positioned to adapt to certain tow truck lift systems.		
TOW BARS Two (2) tow bars shall be installed under the tailboard.		
Tow bars shall be fabricated of 1.00" CRS bar rolled into a 3.00" radius.		
Tow bar assemblies shall be constructed of .38" structural angle. When force is applied to the bar, it shall be transmitted to the frame rail.		
Tow bar assemblies shall be designed and positioned to allow up to a 30 degree upward angled pull of 17,000 lb, or a 20,000 lb straight horizontal pull in line with the centerline of the vehicle.		
Tow bar design shall have been fully tested and evaluated using strain gauge testing and finite element analysis techniques.		
HITCH RECEIVER A hitch receiver shall be installed at the rear and the sides of the apparatus. The side receivers shall be located to the rear of the wheels, under the rear platform. The side hitch receivers shall be capable of retaining a 9,000 lb portable winch.		
The hitch receivers shall be constructed of heavy steel tubing and reinforced to the truck framework, for the receiving portion. This shall be a Class III/IV trailer hitch. A class IV rating shall be obtained only when a weight distributing hitch is used.		
Slide-in portion shall be held in place by one (1) safety pin with clip.		
The trailer electrical connection shall be a seven (7)-way flat blade recreational vehicle connector for trailer wiring compatible with hydraulic serge brake systems, and a second connector with inverted ground meeting SAE J560 standards providing an auxiliary connection for warning devices.		
BACK-UP ALARM A solid state electronic audible back-up alarm that actuates when the truck is		

	BIDDER COMPLIES	
	YES	NO
shifted into reverse shall be provided. The device shall sound at 60 pulses per minute and automatically adjust its volume to maintain a minimum five (5) dBa above surrounding environmental noise levels.		
CAB The cab shall be designed specifically for the fire service and shall be manufactured by the chassis builder.		
The 4 door cab shall be constructed of 5052-H32 aluminum skins on extruded aluminum framing. For increased structural integrity and occupant protection, the cab structure shall include, directly forward of the driver and passenger areas, a .25" firewall plate and .50" lateral support plate that shall tie the forward corner posts to the engine tunnel.		
The cab roof shall include a heavy one (1)-piece aluminum extrusion with wall thickness up to .12", and shall extend from side to side. The sub-structure shall include a .38" wall extrusion under the crew cab floor for support while tilting the cab. To provide quality at the source and single source customer support, the cab shall be built by the apparatus manufacturer in a facility located on the manufacturer's premises.		
The cab shall be a full-tilt style to 80 degrees to accommodate engine, pump and associated valves for maintenance and removal. The cab pivots shall be located 46.00" apart to provide stability while tilting the cab. The cab shall be tilted by an electric over hydraulic pump that is connected to two (2) cab lift cylinders 2.25" in diameter. The cab shall be locked down by a two (2)-point automatic locking mechanism actuated after the cab has been lowered. A three (3)-point cab mount system with rubber isolators shall improve ride quality by isolating chassis vibrations from the cab.		
The crew cab shall be a totally enclosed design with the interior area completely open to improve visibility and verbal communication between the occupants.		
The forward cab section shall have an overall height (from the cab roof to the ground) of approximately 102.00". The crew cab section shall have a 10.00" raised roof, with an overall cab height of approximately 112.00". The overall height listed shall be calculated based on a truck configuration with the lowest suspension weight ratings, the smallest diameter tires for the suspension, no water weight, no loose equipment weight, and no personnel weight. Larger tires, wheels, and suspension shall increase the overall height listed.		
The cab shall have an interior width of not less than 93.00". The driver and passenger seating positions shall have a minimum 24.00" clear width at knee level.		
To reduce injuries to occupants in the seated positions, proper head clearance shall		

	BIDDER COMPLIES	
	YES	NO
be provided. The floor-to-ceiling height inside the forward cab shall be no less than 60.00". The floor-to-ceiling height inside the crew cab shall be no less than 62.00" in the center position and 68.00" in the outboard positions. The crew cab shall measure a minimum of 57.00" from the rear wall to the backside of the engine tunnel (knee level) for optimal occupant legroom. **CAB DEFROSTER** To provide maximum defrost and heating performance, a minimum 54,900 BTU heater-defroster unit with a minimum 550 SCFM of air flow shall be provide inside the cab. For easy access, a removable cover shall be installed over the defroster unit. The defroster shall include an integral aluminum frame air filter, high performance dual scroll blowers, and ducts designed to provide maximum defrosting capabilities for the windshield. The defroster ventilation shall be built into the design of the cab dash instrument panel and shall be easily removable for maintenance. The defroster shall be capable of clearing 98 percent of the windshield and side glass when tested under conditions where the cab has been cold soaked at zero (0) degrees Fahrenheit for ten (10) hours, and a two (2) ounce per square inch layer of frost/ice has been able to build up on the exterior windshield. The defroster system shall meet or exceed SAE J382 (minimum defrosting system performance requirements). **CAB/CREW CAB HEATER** The heating for the cab/crew area shall be a minimum of 73,000 BTU output with a minimum 550 SCFM airflow. Outlets shall be configured as to provide efficient airflow to all seating areas of the cab. The heater-defroster and crew cab heaters shall be controlled by a single integral electronic control panel. The heater control panel shall allow the driver to control heat flow to the front and rear simultaneously. The control panel shall include variable adjustment for temperature and fan control, and be conveniently located on the dash in clear view of the driver. The control panel shall include highly visible, progressive LED indicators for both fan speed and temperature. For increased convenience, an optional dual control for the passenger position shall also be available. **AIR CONDITIONING** A high-performance, customized air conditioning system shall be furnished inside the cab and crew cab. A minimum 19 cubic inch compressor shall be installed on the engine. The air conditioning system shall be capable of cooling the average cab temperature from 100 degrees Fahrenheit to 64 degrees Fahrenheit in the forward		

	BIDDER COMPLIES	
	YES	NO
section of the cab, and 69 degrees Fahrenheit in the rear section of the cab, at 50 percent relative humidity within 30 minutes. The cooling performance test shall be run only after the cab has been heat soaked at 100 degrees Fahrenheit for a minimum of four (4) hours.		
A roof-mounted condenser with a minimum 63,000 BTU output that meets and exceeds the performance specification shall be installed on the cab roof.		
The evaporator unit shall be installed in the cab, located in the center of the cab ceiling over the engine tunnel. The evaporator shall include two (2) high performance cores and plenums with multiple outlets, one (1) plenum directed to the front and one (1) plenum directed to the rear of the cab.		
The evaporator unit shall have a 49,000 BTU rating that meets and exceeds the performance specifications. Adjustable air outlets shall be strategically located on the evaporator cover per the following: ▪ Two (2) shall be directed towards the drivers location ▪ Two (2) shall be directed towards the officers location ▪ Six (6) shall be directed towards the crew cab area		
The air conditioner refrigerant shall be R-134A and shall be installed by a certified technician.		
The air conditioner shall be controlled by a single integral electronic control panel for the heater, defroster and air conditioner. For ease of operation, the control panel shall include variable adjustment for temperature and fan control, and be conveniently located on the dash in clear view of the driver. The control panel shall include highly visible, progressive LED indicators for both fan speed and temperature. For added convenience, an optional dual control for the passenger position shall also be available.		
INTERIOR CAB INSULATION The cab walls, ceiling and engine tunnel shall be insulated in all strategic locations to maximize acoustic absorption and thermal insulation. The cab shall be insulated with 2.00" insulation in the rear wall, 3.00" insulation in the side walls, and 1.50" insulation in the ceiling.		
Headliners shall be constructed from a .20" high density polyethylene corrugated material. Each headliner shall be wrapped with a 0.25" thick foil faced poly damp low emissivity foam insulation barrier for acoustic and thermal control. For ease of installation and removal, all headliners shall be held in place by a dual lock fastening system. Headliner installation requiring removal of mechanical fasteners shall not be acceptable.		
Designed for maximum sound absorption and thermal insulation, the rear cab wall		

	BIDDER COMPLIES	
	YES	NO
shall be insulated with 1.50" thick open cell acoustical foam. The thermal protection of the foam shall provide and R-value of four (4) per 1.00" thickness.		
WINDSHIELD A one (1) or two (2)-piece, safety glass windshield with more than 2,802 square inches of clear viewing area shall be provided. The windshield shall be full width and shall provide the occupants with a panoramic view. The windshield shall consist of three (3) layers: the outer light, the middle safety laminate, and the inner light. The .114" thick outer light layer shall provide superior chip resistance. The middle safety laminate layer shall prevent the windshield glass pieces from detaching in the event of breakage. The inner light shall provide yet another chip resistant layer.		
The cab windshield shall be bonded to the aluminum windshield frame using a urethane adhesive. A custom fit pattern shall be applied on the outside perimeter of the windshield for a finished automotive appearance.		
WINDSHIELD WIPERS Two (2) or Three (3) electric windshield wipers proving coverage for the entire windshield with a washer, in conformance with FMVSS and SAE requirements, shall be provided. The wiper blades shall be 21.65" long and together shall clear a minimum of 1,783 square inches of the windshield for maximum visibility in inclement weather.		
The windshield washer fluid reservoir shall be located at the front of the vehicle and be accessible without tilting cab.		
WINDSHIELD WIPER CONTROL The wiper control shall include high and low wiper speed settings, a five (5) speed intermittent wiper control and windshield washer switch. The control shall have a "return to park" provision, which allows the wipers to re-turn to the stored position when the wipers are not in use.		
CREW CAB WINDOWS One (1) fixed window with tinted glass shall be provided on each side of the cab, to the rear of the front cab door. The windows shall be sized to enhance light penetration into the cab interior. The windows shall measure 20.00" wide x 20.50" high.		
WINDOWS INTERIOR TRIM For improved aesthetics, the cab side windows shall include a vacuum formed ABS interior trim panel.		
MIRRORS		

	BIDDER COMPLIES	
	YES	NO
Low mount chrome mirrors shall be mounted, one (1) on each of the cab door's side. The mirror shall include a replaceable 62.00 square inch flat glass and a 30.00 square inch convex glass. Overall mirror dimensions shall be approximately 8.50" wide x 13.75" high. Mirror head shall have a highly polished chrome finish. Both flat mirror heads shall be adjustable by an electric remote control switch inside the cab within easy reach of the driver. Convex mirror heads shall be adjusted manually. Each mirror shall be provided with an LED directional light. The mirror heads shall also be heated with the control within easy reach of the driver. **CAB INTERIOR** With safety as the primary objective, the wrap-around style, high impact ABS polymer cab instrument panel shall be designed with unobstructed visibility to instrumentation. The dash layout shall provide the driver with a quick reference to gauges that allows more time to focus on the road. The center console shall be easily removable for access to the defroster. The center console shall include louvers strategically located for optimal air flow and defrost capability to the windshield. The passenger side dashboard shall be constructed of painted aluminum for durability and low maintenance. For enhanced versatility, the passenger side dash shall include a flat working surface. To complete the cab front interior design, painted aluminum panels shall be provided under the dash on both sides of the cab. The driver side panel shall provide mounting for the battery switch and diagnostic connectors, while the passenger side modesty panel provides a glove box, and ground access to the main electrical distribution panel via quick quarter turn fasteners. To provide a deluxe automotive interior, the engine tunnel, side walls and rear wall shall be covered by a leather grain vinyl that is resistant to oil, grease, and mildew. The inner cab door panels shall include grab handles and control panels molded into the upper section of the door panel. The door panels shall extend 36.00" down from the door window. The headliner shall be installed in both forward and rear cab sections and the crew cab. The headliner panel shall be a composition of a corrugated high density polyethylene panel covered with a sound barrier and upholstery. For quick, easy access of electrical wiring, or to perform other maintenance needs, the headliner		

	BIDDER COMPLIES	
	YES	NO
shall be held in place by a dual lock fastening system. The cab structure shall include designated raceways for electrical harness routing from the front of the cab to the rear upper portion of the cab. Raceways shall be extruded in the forward door frame, floor, walls and overhead in the area where the walls meet the ceiling. The raceways located in the floor shall be covered by aluminum extrusion, while the vertical and overhead raceways shall be covered by a decorative composite panel. The raceways shall improve harness integrity by providing a continuous harness path that eliminates wire chafing and abrasion associated with exposed wiring or routing through drilled metal holes. Harnesses shall be laid in place, not pulled through holes drilled in aluminum tubing. Once laid in place, all harnesses shall be held in position by a hook and loop fastening system. The hook and loop system shall allow for bracket fastener points to not puncture harnesses. The raceways shall include removable covers, providing maintenance personnel with quick and easy access for trouble shooting, or the addition of accessories. Harnesses shall be located within the raceway behind the wire way cover. **SUNVISORS** Two (2) smoked Lexan sunvisors 7.75" x 28.12" long shall be provided. The sunvisors shall be located above the windshield with one (1) mounted on each side of the cab. **CAB INTERIOR UPHOLSTERY** The cab interior upholstery shall be dark silver gray. All cab interior materials shall meet FMVSS 302 (flammability of interior materials). **FRONT CAB TRIM** Bright finished wrap-around housings shall be provided on each side of the front cab face for mounting of the headlights and front directional lights. The housings shall mate up to the side edge of the forward grille, and then extend around the front corners of the cab rearward, providing for a streamlined automotive appearance. **MOLDING (On Sides of Cab)** Chrome molding shall be provided on both sides of cab. **FAST SERVICE ACCESS FRONT TILT HOOD (If applicable)** A full-width access hood shall be provided for convenient access to engine coolant, steering fluid, wiper fluid, cab lift controls, headlight power modules, and ember separator. The hood shall also provide complete access to the windshield wiper motor and components. The hood shall be contoured to provide a sleek, automotive appearance. The hood shall be constructed of two (2) fiberglass panels bonded together and shall include reinforcing ribs for structural integrity. The		

	BIDDER COMPLIES	
	YES	NO
hood shall include air cylinders to hold the hood in open and closed positions, and a heavy duty latch system that shall meet FMVSS 113 (Hood Latch System).		
The spring-loaded hood latch shall be located at the center of the hood with a double-action release lever located behind the upper grill. The two (2)-step release requires the lever first be pulled to the driver side until the hood releases from the first latch (primary latch) then to the passenger side to fully release the hood (secondary latch).		
ENGINE TUNNEL To provide structural strength, the engine tunnel sidewalls shall be constructed of .50" aluminum plate that is welded to both the .25" firewall and .38" heavy wall extrusion under the crew cab floor. To maximize occupant space, the top edges shall be tapered.		
The engine tunnel shall be insulated on both sides for thermal and acoustic absorption. Thermal rating for this insulation shall be -40 degrees Fahrenheit to 300 degrees Fahrenheit. The insulation shall keep noise dBA levels at or lower than the specifications in the current edition of the NFPA 1901 standards.		
There shall be an equipment mounting plate on top of the engine tunnel. The location shall be determined at the preconstruction conference.		
ACCESS TO ENGINE DIPSTICKS For access to the engine oil and transmission fluid dipsticks, there shall be a door on the engine tunnel, inside the crew cab. The access door shall be easily accessible and include a rubber seal for thermal and acoustic insulation, with a flush mounted latch.		
The access shall include provisions for checking and filling of engine oil and transmission fluids.		
PORTABLE LIGHTS There shall be two (2) portable hand lights installed. The hand lights shall be Streamlight Litebox 12v and orange. The lights shall be mounted below the EMS cabinets and be permanently wired directly to the battery.		
There shall be one (1) Streamlight SL-20 installed in an easily accessible area of the officer seat area and be permanently wired directly to the battery.		
TWO-WAY RADIO There shall be a Two-Way radio installed on a swivel mount on the dash or engine tunnel that can be accessed from the officer or the driver seat. The radio will be supplied by the customer and sent to the manufactures facility. There will also be		

	BIDDER COMPLIES	
	YES	NO
two (2) speakers installed one (1) in cab and one (1) in the crew area of the cab.		
RADIO ANTENNA MOUNT An antenna-mounting base with 17 feet of coax cable and weatherproof cap shall be provided for a two (2)-way radio. The mount shall be located on the cab roof just to the rear of the officer seat.		
DEDICATED RADIO EQUIPMENT CONNECTION POINTS There shall be three (3) studs provided in the primary power distribution center located in front of the officer for two-way radio equipment. The studs shall consist of the following: ▪ 12-volt 40-amp battery switched power ▪ 12-volt 60-amp ignition switched power ▪ 12-volt 60-amp direct battery power There shall also be a 12-volt 100-amp ground stud located in or adjacent to the power distribution center.		
AIR HORN SYSTEM Two (2) air horns shall be provided and located, in the front bumper, recessed in bumper, outside of frames. The horn system shall be piped to the air brake system wet tank utilizing 0.38" tubing. A pressure protection valve shall be installed in-line to prevent loss of air in the air brake system.		
AIR HORN CONTROL A lanyard rope pull control shall be provided within reach of the passenger.		
ELECTRONIC SIREN An electronic siren with noise canceling microphone shall be provided. Electronic siren head shall be recessed in the overhead console above the engine tunnel on the driver side. Siren shall be actuated by a foot switch on the officer's side and by the horn button in the steering wheel. The driver shall have the option to control the siren or the chassis horns from the horn button by means of a selector switch.		
SPEAKER There shall be one (1) speaker, with chrome finish provided. Connection shall be to the siren amplifier. The speaker(s) shall be recessed in the front bumper on the driver's side.		

	BIDDER COMPLIES	
	YES	NO

CAB FLOOR

The cab floor shall be covered with a rubberized material, which offers superior grip, will not absorb water and provide sound dampening.

GRAB HANDLES

A black rubber covered grab handle shall be mounted on the door post of the driver side cab door to assist in entering the cab. The grab handle shall be securely mounted to the post area between the door and windshield.

A long rubber grab handle shall be mounted on the dash board in front of the officer.

DOORS

To enhance entry and egress to the cab, the forward cab doors shall be a minimum of 43.00" wide x 76.00" high. The crew cab doors shall be located on the sides of the cab and shall be constructed in the same manner as the forward cab doors. The crew cab doors shall measure a minimum of 37.00" wide x 85.00" high.

The forward cab and crew cab doors shall be constructed of extruded aluminum with a nominal material thickness of .125". The exterior door skins shall be constructed from .090" aluminum.

Each forward cab and crew cab entry door shall contain an electric roll-down tempered glass window. The forward cab door windows shall include a 7.50" high x 10.00" wide drop area at the front to enhance visibility.

A customized, vertical, pull-down type door handle shall be provided on the exterior of each cab door. The exterior handle shall be designed specifically for the fire service to prevent accidental activation, and shall provide 4.00" wide x 2.00" deep hand clearance for ease of use with heavy gloved hands.

Each door shall also be provided with an interior flush, open style paddle handle that shall be readily operable from fore and aft positions, and be designed to prevent accidental activation, The interior handles shall provide 4.00" wide x 1.25" deep hand clearance for ease of use with heavy gloved hands.

The cab doors shall be provided with both interior (rotary knob) and exterior (keyed) locks exceeding FMVSS standards. The locks shall be capable of activating when the doors are open or closed. The doors shall remain locked if locks are activated when the doors are opened, then closed.

A full length, heavy duty, stainless steel, piano-type hinge with a .38" pin and 11 gauge leaf shall be provided on all cab doors. There shall be double automotive-type rubber seals around the perimeter of the door framing and door edges to ensure a weather-tight fit.

	BIDDER COMPLIES	
	YES	NO
The inner cab door panels shall be constructed of brushed stainless steel and be removable without requiring the disconnection of door and window mechanisms. A dark grey vacuum formed ABS panel shall house the window switches and shall mold into the upper sill of the door panel.		
ELECTRIC WINDOW CONTROLS Each cab entry door shall be equipped with an electrically operated window. A window control panel shall be ergonomically molded into the armrest of the door panel within easy reach of the respective occupant.		
Each switch shall allow intermittent or auto down operation for ease of use. Auto down operation shall be actuated by holding the window down switch for approximately 1/2 second.		
The driver control panel shall contain a control switch for each cab door's window. All other door control panels shall contain a single switch to operate the window within that door.		
GRILLE An aluminum mesh grille, screen painted with an American flag, shall be inserted behind a formed bright finished grille surround. Grille shall be installed on the front center of the cab, and shall serve as an air intake to the radiator.		
CAB LIFT A hydraulic cab lift system shall be provided, consisting of an electric-powered hydraulic pump, fluid reservoir, dual lift cylinders, remote cab lift controls and all necessary hoses and valves.		
The cab lift controls shall be located at the driver side front of the cab and be easily accessible.		
The controls shall include a permanently mounted raise/lower switch. For enhanced visibility during cab tilt operations, a remote control tether with on/off switch shall be supplied on a coiled cord that shall extend from 2.00' (coiled) to 6.00' (extended).		
The rear of the cab shall be locked down by a two (2)-point, automatic, hydraulic, double hook mechanism that fully engages after the cab has been lowered (self-locking). The dual 2.25" diameter hydraulic cylinders shall be equipped with a velocity fuse that protects the cab from accidentally descending when the cab is in the tilt position.		
For increased safety, a redundant mechanical stay arm shall be provided that must be manually put in place on the driver side between the chassis and cab frame when cab is in the raised position. This device shall be manually stowed to its original position before the cab can be lowered.		

	BIDDER COMPLIES	
	YES	NO
INTERLOCK, CAB LIFT TO PARKING BRAKE The cab lift safety system shall be interlocked to the parking brake. The cab tilt mechanism shall be active only when the parking brake is set and the ignition switch is in the on position. If the parking brake is released, the cab tilt mechanism shall be disabled. **FENDER LINERS** Full-circular, stainless steel, inner fender liners in the wheel wells shall be provided. **FENDER CROWNS** Stainless steel fender crowns shall be installed at the cab wheel openings. **REAR WALL COVERING** The exterior surface of the rear wall of the cab shall be overlaid with bright aluminum tread plate except for areas that are not typically visible when the cab is lowered. **CAB STEPS** The forward cab and crew cab access steps shall be a full size two (2) step design to provide largest possible stepping surfaces for safe ingress and egress. The bottom steps shall be designed with a grip pattern punched into bright aluminum tread plate material to provide support, slip resistance, and drainage. The bottom steps shall be a bolt-in design to minimize repair costs should they need to be replaced. The forward cab steps shall be a minimum 31.00" wide, and the crew cab steps shall be a minimum 24.00" wide with an 8.00" minimum depth. The inside cab steps shall not exceed 18.00" in height and be limited to two (2) steps. **DIESEL EXHAUST FLUID TANK** A 4.5 gallon diesel exhaust fluid (DEF) tank shall be provided and mounted in the driver's side body forward of the rear axle. The tank shall be constructed of 16-gauge type 304- L stainless steel. A .50" drain plug shall be provided in a low point of the tank for drainage. A fill inlet shall be located on the driver's side of the body and be covered with a hinged, spring loaded, stainless steel door that is marked "Diesel Exhaust Fluid Only". The tank shall meet the engine manufacturer's requirement for 10 percent expansion space in the event of tank freezing. The tank shall include an integrated heater unit that utilizes engine coolant to thaw the DEF in the event of freezing. **CAB SEATS**		

	BIDDER COMPLIES	
	YES	NO
All seats shall be covered with a high strength wear resistant fabric and be coated with a material that will protect the seats from UV rays and from being saturated or contaminated by fluids. All seats will be gray or a combination of gray/black in color. The seat shall include the following features incorporated into the side roll protection system. ▪ Side air curtain shall be mounted integral to the outboard bolster of the seat back. The air curtain shall be covered by a decorative panel when in the stowed position. ▪ A suspension seat safety system shall be included. When activated, this system shall pretension the seat belt, then retract the seat to its lowest travel position. The seat shall be furnished with a three (3)-point, shoulder type seat belt. To provide quick, easy use for occupants wearing bunker gear, the seat belt shall have a minimum 120.00" shoulder length and 55.00" lap length. The seat belt tongue shall be stored at waist position for quick application by the seat occupant. The seat belt receptacle shall be provided on a cable conveniently nested next to the seat cushion, providing easy accessibility. The seat belt shall be furnished with dual automatic retractors that shall provide ease of operation in the normal seating position. Seatbelt warning system shall be installed in the apparatus. The system will provide a visual and audible warning when any seat is occupied and the corresponding seat belt(s) remains unfastened when the parking brake is released. All seat belts shall be red in color and be NFPA compliant. **SCBA SEAT BRACKETS** All SCBA type seats in the cab shall have a "Hands-Free" auto clamp style bracket in its backrest. For efficiency and convenience, the bracket shall include an automatic spring clamp that allows the occupant to store the SCBA bottle by simply pushing it into the seat back. For protection of all occupants in the cab, in the event of an accident, the inertial components within the clamp shall constrain the SCBA bottle in the seat for up to a 30G force (dynamic sled test), and shall exceed the NFPA standard of 9G by more than three times. Bracket designs with manual restraints (belts, straps, buckles) that could be inadvertently left unlocked and allow the SCBA to move freely within the cab during an accident, shall not be acceptable. Brackets shall be adjustable to accommodate different size SCBA cylinders. There shall be a quantity of five (5) SCBA brackets. **SEAT BELT ANCHOR STRENGTH** Seat belt attachment strength is regulated by Federal Motor Vehicle Safety		

	BIDDER COMPLIES	
	YES	NO

Standards and should be validated through testing. Each seat belt anchor design shall withstand 3000 lb of pull on both the lap and shoulder belt in accordance with FMVSS 571.210 Seat Belt Assembly Anchorages. The bidder shall certify that each anchor design was pull tested to the required force and met the appropriate criteria.

SEAT MOUNTING STRENGTH

Seat attachment strength is regulated by Federal Motor Vehicle Safety Standards and should be validated through testing. Each seat mounting design shall be tested to withstand 20 G's of force in accordance with FMVSS 571.207 Seating Systems. The bidder shall certify that each seat mount and cab structure design was pull tested to the required force and met the appropriate criteria.

SEAT BELT MONITORING SYSTEM

A seat belt monitoring system (SBMS) shall be provided. The SBMS shall be capable of monitoring up to six(6) seat positions indicating the status of each seat position with a green or red LED indicator as follows:

Driver Seat:

- Seat Occupied Buckled Green
- No Occupant Unbuckled Not Illuminated

The driver seat shall not include an occupant sensor. The display indication for the driver seat shall illuminate red any time the parking brake is released and the driver seat belt is not buckled.

All Other Seats:

- Seat Occupied Buckled Green
- Seat Occupied Unbuckled Red
- No Occupant Buckled Red
- No Occupant Unbuckled Not Illuminated

Alarm:

The SBMS shall include an audible alarm that shall be activated when a red illumination condition exists and the parking brake is released.

DRIVERS SEAT

A cam action seat with air suspension shall be provided in the cab for the driver. To maintain optimal seat position and ride quality for a broader range of occupant sizes, the suspension shall be provided with a height control valve that automatically positions the seat in the center of the suspension travel when the occupant sits down.

For increased convenience, the seat shall include electric controls to adjust the

	BIDDER COMPLIES	
	YES	NO
rake, height and horizontal position. Electric controls shall be located below the forward part of the seat cushion.		
To provide flexibility for multiple driver configurations, the seat shall be furnished with an adjustable reclining back. The seat back shall be a high back style with manual lumbar adjustment lever, for lower back support, and shall include minimum 7.50" deep side bolster pads for maximum support.		
For optimal comfort, the seat shall be provided with dual density foam cushions designed with EVC (elastomeric vibration control).		
OFFICER SEAT A cam action seat with air suspension shall be provided in the cab for the passenger. To maintain optimal seat position and ride quality for a broader range of occupant sizes, the suspension shall be provided with a height control valve that automatically positions the seat in the center of the suspension travel when the occupant sits down.		
For increased convenience, the seat shall include a manual control to adjust the horizontal position. The manual horizontal control shall be a towel-bar style located below the forward part of the seat cushion.		
For optimal comfort, the seat shall be provided with dual density foam cushions designed with EVC (elastomeric vibration control).		
To ensure safe operation, the seat shall be equipped with seat belt sensors in the seat cushion and belt receptacle that shall activate an alarm indicating a seat is occupied but not belted.		
The seat back shall be an SCBA back style with 7.50 degree fixed recline angle, and shall include minimum 4.50" wide x 7.50" deep side bolster pads for maximum support.		
REAR FACING CREW SEATS There shall be two (2) rear facing crew seats, mounted outboard. One behind the driver and one behind the officer seat. The seats shall be designed for firefighting apparatus with an SCBA seat back and meet all current safety standards.		
FORWARD FACING CREW SEATS There shall be two (2) forward facing rear seats mounted inboard. The seats shall be designed for firefighting apparatus with an SCBA seat back and meet all current safety standards.		
EMS CABINETS There shall be two (2) forward facing EMS cabinets mounted outboard of the forward facing rear seats. Cabinets shall be approximately 21 inches wide x 50		

	BIDDER COMPLIES	
	YES	NO

inches tall x 14 inches deep with rollup doors. The EMS cabinets shall not impede entering or exiting the crew area of the cab. The cabinets shall have LED lights that shall turn on when doors are opened. There shall be three (3) adjustable shelves in each cabinet with an approximately 1.25" lip around the edges.

HELMET BRACKETS

There shall be six (6) helmet brackets supplied as per NFPA requirements. Mounting location to be determined at preconstruction conference.

ENGINE COMPARTMENT LIGHT

An engine compartment light shall be installed under the engine hood, of which the switch is an integral part.

CAB DOME LIGHTS

There shall be two (2) incandescent dome lights installed in the cab. The lights shall be mounted above the inside shoulder of the driver and officer. The forward, clear, light shall be controlled by the door switch and the lens switch. The rear, red, light shall be controlled by the lens switch only.

In addition, there shall be two (2) adjustable map lights with an integral switch recessed into the cab ceiling. One (1) light shall be located above the driver's seat and one (1) light shall be located above the officer's seat.

CREW CAB DOME LIGHTS

There shall be two (2) incandescent dome lights installed in the crew cab. The forward, clear light shall be controlled by the door switch and the lens switch. The rear, red light shall be controlled by the lens switch only.

STEP LIGHTS

For reduced overall maintenance costs compared to incandescent lighting, there shall be four (4) LED step lights provided. The lights shall be installed at each cab and crew cab door, one (1) per step, in the driver side front doorstep, driver side crew cab doorstep, passenger side front doorstep and passenger side crew cab doorstep. The lights shall be activated when the adjacent door is opened.

CAB INSTRUMENTATION

The cab instrument panel shall consist of gauges, an LCD display, telltale indicator lights, audible warning and control switches. The function of instrument panel controls and switches shall be identified by a label adjacent to each item. Actuation of the headlight switch shall illuminate the label wording for after dark operation. Telltale indicator lamps shall not be illuminated unless necessary.

The cab instruments and controls shall be conveniently located within the forward cab section directly forward of the driver. Gauges and emergency vehicle switches

	BIDDER COMPLIES	
	YES	NO
shall be installed on removable panels for ease of service.		

"DO NOT MOVE APPARATUS" INDICATOR

A flashing red indicator light, located in the driving compartment, shall be illuminated automatically per the current NFPA requirements. The light shall be labeled "Do Not Move Apparatus If Light Is On."

The same circuit that activates the Do Not Move Apparatus indicator shall not activate any alarm when the parking brake is released.

STEERING WHEEL

The steering wheel shall be a minimum 18.00" diameter, have tilt and telescoping capabilities, and a four (4)-spoke design.

There shall be a switch pod provided on each side of the steering wheel between the spokes. The switch pods shall be an integral part of the steering wheel. Each switch pod shall contain four (4) switches. The following switches shall be provided:

- Air horn
- Emergency lighting
- Area lighting
- Front dome light
- Rear dome light
- Wiper mist
- Full floating horn pad

CONTROLS AND INDICATOR LIGHTS

The following amber indicator lights shall be located on the driver's side of the cab to denote engine information:

- Diesel Particulate Filter (DPF)
- High Exhaust Temperature (HET)
- Malfunction Indicator Lamp (MIL)

A switch to initiate the diesel particulate filter regeneration cycle shall be located on the driver's side instrument panel.

HIGH IDLE

A high idle switch shall be provided, inside the cab, on the instrument panel, that shall automatically maintain a preset engine rpm. A switch shall be installed, at the cab instrument panel, for activation/deactivation.

The high idle shall be operational only when the parking brake is on and the truck transmission is in neutral. A green indicator light shall be provided, adjacent to the switch. The light shall illuminate when the above conditions are met. The light

	BIDDER COMPLIES	
	YES	NO
shall be labeled "OK to Engage High Idle."		
GAUGES		
The gauge panel shall include the following gauges and corresponding alarms to monitor vehicle performance. All gauges shall perform prove-out at initial power-up to ensure proper performance.		
▪ Voltmeter gauge (Volts)		
▪ Low volts (11.8 VDC)		
▪ Amber indicator on gauge assembly with alarm		
▪ High volts (15 VDC)		
▪ Amber indicator on gauge assembly with alarm		
▪ Very low volts (11.3 VDC)		
▪ Amber indicator on gauge assembly with alarm		
▪ Very high volts (16 VDC)		
▪ Amber indicator on gauge assembly with alarm		
▪ Tachometer (RPM)		
▪ Speedometer (Primary (outside) MPH, Secondary (inside) Km/H)		
▪ Fuel level gauge (Empty - Full infractions)		
▪ Low fuel (1/8 full)		
▪ Amber indicator on gauge assembly with alarm		
▪ Very low fuel (1/32) fuel		
▪ Amber indicator on gauge assembly with alarm		
▪ Engine oil pressure gauge (PSI)		
▪ Low oil pressure to activate engine warning lights and alarms		
▪ Red indicator on gauge assembly with alarm		
▪ Front air pressure gauge (PSI)		
▪ Low air pressure to activate warning lights and alarm		
▪ Red indicator on gauge assembly with alarm		
▪ Rear air pressure gauge (PSI)		
▪ Low air pressure to activate warning lights and alarm		
▪ Red indicator on gauge assembly with alarm		
▪ Transmission oil temperature gauge (Fahrenheit)		
▪ High transmission oil temperature activates warning lights and alarm		
▪ Amber indicator on gauge assembly with alarm		
▪ Engine coolant temperature gauge (Fahrenheit)		
▪ High engine temperature activates an engine warning light and alarm		
▪ Red indicator on gauge assembly with alarm		
▪ Diesel Exhaust Fluid Level Gauge (Empty - Full infractions)		
▪ Low fluid (1/8 full)		
▪ Amber indicator on gauge assembly with alarm		
INDICATOR LAMPS		

	BIDDER COMPLIES	
	YES	NO
To promote safety, the following telltale indicator lamps shall be integral to the gauge assembly and are located above and below the center gauges. The indicator lamps shall be "dead-front" design that is only visible when active. The colored indicator lights shall have descriptive text or symbols.		
The following amber telltale lamps shall be present: ▪ Low coolant ▪ Trac-cntl (traction control) (where applicable) ▪ Check engine ▪ Check trans (check transmission) ▪ Aux brake overheat (Auxiliary brake overheat) ▪ Air rest (air restriction) ▪ Caution (triangle symbol) ▪ Water in fuel ▪ DPF (engine diesel particulate filter regeneration) ▪ Wait to start (where applicable) ▪ HET (engine high exhaust temperature) (where applicable) ▪ ABS (antilock brake system) ▪ MIL (engine emissions system malfunction indicator lamp) (where applicable) ▪ SRS (supplemental restraint system) fault (where applicable) ▪ DEF (low diesel exhaust fluid level)		
The following red telltale lamps shall be present: ▪ Warning (stop sign symbol) ▪ Seat belt ▪ Parking brake ▪ Stop engine		
The following green telltale lamps shall be provided: ▪ Left turn ▪ Right turn ▪ Battery on		
The following blue telltale lamp shall be provided: ▪ High beam		
ALARMS Audible steady tone warning alarm: A steady audible tone alarm shall be provided whenever a warning message is present.		
Audible pulsing tone caution alarm: A pulsing audible tone alarm (chime/chirp) shall be provided whenever a caution message is present without a warning		

	BIDDER COMPLIES	
	YES	NO

message being present.

Alarm silence: Any active audible alarm shall be able to be silenced by holding the ignition switch at the top position for three (3) to five (5) seconds. For improved safety, silenced audible alarms shall intermittently chirp every 30 seconds until the alarm condition no longer exists. The intermittent chirp shall act as a reminder to the operator that a caution or warning condition still exists. Any new warning or caution condition shall enable the steady or pulsing tones respectively.

INDICATOR LAMP AND ALARM PROVE-OUT

Telltale indicators and alarms shall perform prove-out at initial power-up to ensure proper performance.

CAB LCD DISPLAY

A digital four (4) row by 20 character dot matrix display shall be integral to the gauge panel. The display shall be capable of showing simple graphical images as well as text. The display shall be split into three (3) sections. Each section shall have a dedicated function. The upper left section shall display the outside ambient temperature.

The upper right section shall display, along with other configuration specific information:

- Odometer
- Trip mileage
- PTO hours
- Fuel consumption
- Engine hours

The bottom section shall display INFO, CAUTION, and WARNING messages. Text messages shall automatically activate to describe the cause of an audible caution or warning alarm. The LCD shall be capable of displaying multiple text messages should more than one caution or warning condition exist.

AIR RESTRICTION INDICATOR

A high air restriction warning indicator light LCD message with amber warning indicator and audible alarm shall be provided.

LIGHTBAR

There shall be a 93.00" LED lightbar mounted on the cab roof.

The lightbar shall include the following:

- Two (2) red flashing LED modules facing forward.
- Two (2) blue flashing LED modules facing forward.
- One (1) red flashing corner LED module on the driver side.
- One (1) blue flashing corner LED module on the passenger side.

	BIDDER COMPLIES	
	YES	NO
▪ One (1) red flashing LED module facing the driver side. ▪ One (1) blue flashing LED module facing the passenger side. The color of the lenses shall be the same color as the LED's. There shall be one (1) switch, located on the cab switch panel, to control this lightbar. **SIDE ZONE LOWER LIGHTING** There shall be four (4) flashing Super LED warning lights located in the following positions. There shall be two (2) lights at the front located one (1) each side on the bumper. The color of the front lights shall be: • Blue Super LED/clear lens on driver's side. • Red Super LED/clear lens on passenger's side. There shall be two (2) lights at the rear located fender panels. The color of the rear lights shall be: • Red Super LED/clear lens on driver's side. • Blue super LED/clear lens on passenger's side. These lights shall be controlled by a lighted switch on the cab instrument panel. These lights shall be installed with a flange. **EMERGENCY LIGHT SWITCH PANELS** The emergency light switch panels shall have a master switch for ease of use plus individual switches for selective control. Each switch panel shall contain eight (8) membrane-type switches each rated for one million (1,000,000) cycles. Panels containing less than eight (8) switch assignments shall include non-functioning black appliqués. Documentation shall be provided by the manufacturer indicating the rated cycle life of the switches. The switch panels shall be located overhead in front of the driver and officer. The switches shall be membrane-type and also act as an integral indicator light. For quick, visual indication the entire surface of the switch shall be illuminated white whenever backlighting is activated and illuminated red whenever the switch is active. For ease of use, a two (2)-ply, scratch resistant laser engraved label indicating the use of each switch shall be placed in the center of the switch. The label shall allow light to pass through the letters for ease of use in low light conditions.		

	BIDDER COMPLIES	
	YES	NO
CONTROL SWITCHES For ease of use, the following controls shall be provided immediately adjacent to the cab instrument panel within easy reach of the driver. ▪ Emergency master switch: A molded plastic push button switch with integral indicator lamp shall be provided. Pressing the switch shall activate emergency response lights and siren control. A green lamp on the switch provides indication that the emergency master mode is active. Pressing the switch again disables the emergency master mode. ▪ Headlight / Parking light switch: A three (3)-position maintained rocker switch shall be provided. The first switch position shall deactivate all parking lights and the headlights. The second switch position shall activate the parking lights. The third switch position shall activate the headlights. ▪ Panel backlighting intensity control switch: A three (3)-position momentary rocker switch shall be provided. The first switch position decreases the panel backlighting intensity to a minimum level as the switch is held. The second switch position is the default position that does not affect the backlighting intensity. The third switch position increases the panel backlighting intensity to a maximum level as the switch is held. The following standard controls shall be integral to the gauge assembly and are located below the right hand gauges. All switches have backlit labels for low light applications. ▪ High idle engagement switch: A two (2)-position momentary rocker switch with integral indicator lamp shall be provided. The first switch position is the default switch position. The second switch position shall activate and deactivate the high idle function when pressed and released. The "Ok To Engage High Idle" indicator lamp must be active for the high idle function to engage. A green indicator lamp integral to the high idle engagement switch shall indicate when the high idle function is engaged. ▪ "Ok To Engage High Idle" indicator lamp: A green indicator light shall be provided next to the high idle activation switch to indicate that the interlocks have been met to allow high idle engagement. The following standard controls shall be provided adjacent to the cab gauge assembly within easy reach of the driver. All switches shall have backlit labels for low light applications. ▪ Ignition switch: A three (3)-position maintained/momentary rocker switch shall be provided. The first switch position shall deactivate vehicle ignition. The second switch position shall activate vehicle ignition. The third momentary position shall disable the Command Zone audible alarm if held for three (3) to five (5) seconds. A green indicator lamp shall be activated with vehicle ignition.		

	BIDDER COMPLIES	
	YES	NO
▪ Engine start switch: A two (2)-position momentary rocker switch shall be provided. The first switch position is the default switch position. The second switch position shall activate the vehicle's engine. The switch actuator is designed to prevent accidental activation. ▪ 4-way hazard switch: A two (2)-position maintained rocker switch shall be provided. The first switch position shall deactivate the 4-way hazard switch function. The second switch position shall activate the 4-way hazard function. The switch actuator shall be red and includes the international 4-way hazard symbol. ▪ Heater, defroster, and optional air conditioning control panel: A control panel with membrane switches shall be provided to control heater/defroster temperature and heater, defroster, and air conditioning fan speeds. A green LED status bar shall indicate the relative temperature and fan speed settings. ▪ Turn signal arm: A self-canceling turn signal with high beam headlight and windshield wiper/washer controls shall be provided. The windshield wiper control shall have high, low, and intermittent modes. ▪ Parking brake control: An air actuated push/pull park brake control valve shall be provided. ▪ Chassis horn control: Activation of the chassis horn control shall be provided through the center of the steering wheel. **CUSTOM SWITCH PANELS** The design of cab instrumentation shall allow for emergency lighting and other switches to be placed within easy reach of the operator thus improving safety. There shall be positions for up to four (4) switch panels in the overhead console on the driver's side, up to four (4) switch panels in the engine tunnel console facing the driver, up to four (4) switch panels in the overhead console on the officer's side and up to two (2) switch panels in the engine tunnel console facing the officer. All switches shall have backlit labels for low light applications. **DIAGNOSTIC PANEL** A diagnostic panel shall be accessible while standing on the ground and located inside the driver's side door left of the steering column. The diagnostic panel shall allow diagnostic tools such as computers to connect to various vehicle systems for improved troubleshooting providing a lower cost of ownership. Diagnostic switches shall allow engine and ABS systems to provide blink codes should a problem exist. The diagnostic panel shall include the following: ▪ Engine diagnostic port ▪ Transmission diagnostic port ▪ ABS diagnostic port		

	BIDDER COMPLIES	
	YES	NO
▪ SRS diagnostic port (where applicable) ▪ Command Zone USB diagnostic port ▪ Engine diagnostic switch (blink codes flashed on check engine telltale indicator) ▪ ABS diagnostic switch (blink codes flashed on ABS telltale indicator) ▪ Diesel particulate filter regeneration switch (where applicable) ▪ Diesel particulate filter regeneration inhibit switch (where applicable) **ON-BOARD ADVANCED/VISUAL ELECTRICAL SYSTEM DIAGNOSTICS** The on-board information center shall include the following diagnostic information: ▪ Text description of active warning or caution alarms ▪ Simplified warning indicators ▪ Amber caution light with intermittent alarm ▪ Red warning light with steady tone alarm All control system modules, with the exception of the main control module, shall contain on-board visual diagnostic LEDs that assist in troubleshooting. The LEDs shall be enclosed within the sealed, transparent module housing near the face of the module. One LED for each input or output shall be provided and shall illuminate whenever the respective input or output is active. Color-coded labels within the modules shall encompass the LEDs for ease of identification. The LED indicator lights shall provide point of use information for reduced troubleshooting time without the need for an additional computer. The service and maintenance software shall be easy to understand and use and have the ability to view system input/output (I/O) information. **ELECTRICAL POWER CONTROL SYSTEM** The primary power distribution shall be located forward of the officer's seating position and be easily accessible while standing on the ground for simplified maintenance and troubleshooting. Additional electrical distribution centers shall be provided throughout the vehicle to house the vehicle's electrical power, circuit protection, and control components. The electrical distribution centers shall be located strategically throughout the vehicle to minimize wire length. For ease of maintenance, all electrical distribution centers shall be easily accessible. All distribution centers containing fuses, circuit breakers and/or relays shall be easily accessible. Distribution centers located throughout the vehicle shall contain battery powered studs for supplying customer installed equipment thus providing a lower cost of ownership. Circuit protection devices, which conform to SAE standards, shall be utilized to		

	BIDDER COMPLIES	
	YES	NO

protect electrical circuits. All circuit protection devices shall be rated per NFPA requirements to prevent wire and component damage when subjected to extreme current overload. General protection circuit breakers shall be Type-I automatic reset (continuously resetting). When required, automotive type fuses shall be utilized to protect electronic equipment. Control relays and solenoid shall have a direct current rating of 125 percent of the maximum current for which the circuit is protected per NFPA.

SOLID-STATE CONTROL SYSTEM

A solid-state electronics based control system shall be utilized to achieve advanced operation and control of the vehicle components. A fully computerized vehicle network shall consist of electronic modules located near their point of use to reduce harness lengths and improve reliability. The control system shall comply with SAE J1939-11 recommended practices.

The solid-state control system shall operate as a master-slave system whereas the main control module instructs all other system components. The system shall contain patented software that maintains critical vehicle operations in the unlikely event of a main controller error. The system shall utilize a Real Time Operating System (RTOS).

For increased reliability and simplified use the control system modules shall include the following attributes:

- Green LED indicator light for module power
- Red LED indicator light for network communication stability status
- Control system self test at activation and continually throughout vehicle operation
- No moving parts due to transistor logic
- Software logic control for NFPA mandated safety interlocks and indicators
- Integrated electrical system load management without additional components
- Integrated electrical load sequencing system without additional components
- Customized control software to the vehicle's configuration
- Factory and field reprogrammable to accommodate changes to the vehicle's operating parameters
- USB connection to the main control module for advanced troubleshooting

To assure long life and operation in a broad range of environmental conditions, the control system modules shall meet the following specifications:

- Module circuit board shall meet SAE J771 specifications
- Operating temperature from -40C to +70C
- Storage temperature from -40C to +70C

- Vibration to 50g
- IP67 rated enclosure (Totally protected against dust and also protected against the effect of temporary immersion between 15 centimeters and one (1) meter)
- Operating voltage from eight (8) volts to 16 volts DC

The main controller shall activate status indicators and audible alarms designed to provide warning of problems before they become critical.

CAB SAFETY SYSTEM

The cab shall be provided with a safety system designed to protect occupants in the event of a side roll or frontal impact, and shall include the following:

- A supplemental restraint system (SRS) sensor shall be installed on a structural cab member behind the instrument panel. The SRS sensor shall perform real time diagnostics of all critical subsystems and shall record sensory inputs immediately before and during a side roll or frontal impact event.
- A slave SRS sensor shall be installed in the ceiling of the cab to provide capacity for six (6) crew cab seating positions.
- A fault-indicating light shall be provided on the vehicle's instrument panel allowing the driver to monitor the operational status of the SRS system.
- A driver side front air bag shall be mounted in the steering wheel and shall be designed to protect the head and upper torso of the occupant, when used in combination with the three (3)-point seat belt.
- A passenger side knee bolster air bag shall be mounted in the panel below the dash panel and shall be designed to protect the legs of the occupant, when used in combination with the three (3)-point seat belt.
- Air curtains shall be provided in the outboard bolster of outboard seat backs to provide a cushion between occupant and the cab wall.
- Suspension seats shall be provided with devices to retract them to the lowest travel position during a side roll or frontal impact event.
- Seat belts shall be provided with pre-tensioners to remove slack from the seat belt during a side roll or frontal impact event.

FRONTAL IMPACT PROTECTION

The SRS system shall provide protection during a frontal or oblique impact event. The system shall activate when the vehicle decelerates at a predetermined G force known to cause injury to the occupants. The cab and chassis shall have been subjected, via third party test facility, to a crash impact during frontal and oblique impact testing. Testing included all major chassis and cab components such as mounting straps for fuel and air tanks, suspension mounts, front suspension components, rear suspensions components, frame rail cross members, engine and

	BIDDER COMPLIES	
	YES	NO
transmission and their mounts, pump house and mounts, frame extensions and body mounts. The testing provided configuration specific information used to optimize the timing for firing the safety restraint system. The sensor shall activate the pyrotechnic devices when the correct crash algorithm, wave form, is detected.		
The SRS system shall deploy the following components in the event of a frontal or oblique impact event: ▪ Driver side front air bag. ▪ Passenger side knee bolster air bag. ▪ Air curtains mounted in the outboard bolster of outboard seat backs. ▪ Suspension seats shall be retracted to the lowest travel position. ▪ Seat belts shall be pre-tensioned to firmly hold the occupant in place.		
SIDE ROLL PROTECTION The SRS system shall provide protection during a fast or slow 90-degree roll to the side, in which the vehicle comes to rest on its side. The system shall analyze the vehicle's angle and rate of roll to determine the optimal activation of the advanced occupant restraints.		
The SRS system shall deploy the following components in the event of a side roll: ▪ Air curtains mounted in the outboard bolster of outboard seat backs. ▪ Suspension seats shall be retracted to the lowest travel position.		
Seat belts shall be pre-tensioned to firmly hold the occupant in place.		
INDICATOR LIGHT AND ALARM PROVE-OUT SYSTEM A system shall be provided which automatically tests basic indicator lights and alarms located on the cab instrument panel.		
ENHANCED SOFTWARE The solid-state control system shall include the following software enhancements:		
All perimeter lights and scene lights (where applicable) shall be deactivated when the parking brake is released.		
Cab and crew cab dome lights shall remain on for ten (10) seconds for improved visibility after the doors close. The dome lights shall dim after ten (10) seconds or immediately if the vehicle is put into gear.		
Cab and crew cab perimeter lights shall remain on for ten (10) seconds for improved visibility after the doors close. The dome lights shall dim after ten (10) seconds or immediately if the vehicle is put into gear.		
EMI/RFI PROTECTION To prevent erroneous signals from crosstalk contamination and interference, the		

	BIDDER COMPLIES	
	YES	NO
electrical system shall meet, at a minimum, SAE J551/2, thus reducing undesired electromagnetic and radio frequency emissions. An advanced electrical system shall be used to ensure radiated and conducted electromagnetic interference (EMI) or radio frequency interference (RFI) emissions are suppressed at their source. The apparatus shall have the ability to operate in the electromagnetic environment typically found in fire ground operations to ensure clean operations. The electrical system shall meet, without exceptions, electromagnetic susceptibility conforming to SAE J1113/25 Region 1, Class C EMR for 10KHz-1GHz to 100 Volts/Meter. The vehicle OEM, upon request, shall provide EMC testing reports from testing conducted on an entire apparatus and shall certify that the vehicle meets SAE J551/2 and SAE J1113/25 Region 1, Class C EMR for 10KHz-1GHz to 100 Volts/Meter requirements. Component and partial (incomplete) vehicle testing is not adequate as overall vehicle design can impact test results and thus is not acceptable by itself. EMI/RFI susceptibility shall be controlled by applying appropriate circuit designs and shielding. The electrical system shall be designed for full compatibility with low-level control signals and high-powered two-way radio communication systems. Harness and cable routing shall be given careful attention to minimize the potential for conducting and radiated EMI/RFI susceptibility. **INFORMATION CENTER** An information center employing a 7.00" diagonal color LCD display shall be encased in an ABS plastic housing. The information center shall have the following specifications: ▪ Operate in temperatures from -40 to 185 degrees F ▪ An Optical Gel shall be placed between the LCD and protective lens ▪ Five weather resistant user interface switches ▪ Black enclosure with gray decal ▪ Sunlight Readable ▪ Linux operating system ▪ Minimum of 400nits rated display **OPERATION** The information center shall be designed for easy operation for everyday use. The page button shall cycle from one screen to the next screen in a rotating fashion. A video button shall allow a NTSC signal into the information center to be displayed		

	BIDDER COMPLIES	
	YES	NO
on the LCD. Pressing any button while viewing a video feed shall return the information center to the vehicle information screens. A menu button shall provide access to maintenance, setup and diagnostic screens. All other button labels shall be specific to the information being viewed. **GENERAL SCREEN DESIGN** Where possible, background colors shall be used to provide "At a Glance" vehicle information. If information provided on a screen is within acceptable limits, a green background shall be used. If a caution or warning situation arises the following shall occur: ▪ An amber background/text color shall indicate a caution condition. ▪ A red background/text color shall indicate a warning condition. Every screen shall include the following: ▪ Exterior Ambient Temperature ▪ Time (12 or 24 hour mode) ▪ Text Alert Center: The information center shall utilize an "Alert Center" to display text messages for audible alarm tones. The text messages shall be written to identify the item(s) causing the audible alarm to sound. If more than one (1) text message occurs, the messages shall cycle every second until the problem(s) have been resolved. The background color for the "Alert Center" shall change to indicate the severity of the "warning" message. If a warning and a caution condition occur simultaneously, the red background color shall be shown for all alert center messages. ▪ Button Labels: A label for each button shall exist. The label shall indicate the function for each active button for each screen. Buttons that are not utilized on specific screens shall have a button label with no text. **PAGE SCREENS** The Information center shall include the following screens: Load Manager Screen: A list of items to be load managed shall be provided. The list shall provide: ▪ Description of the load ▪ Individual load shed priority: The lower the priority number the earlier the device shall be shed should a low voltage condition occur. ▪ Load Status: The screen shall indicate if a load has been shed (disabled) or not shed. "At a Glance" color features are utilized on this screen. Do Not Move Truck: The Do Not Move Truck screen shall indicate the approximate		

	BIDDER COMPLIES	
	YES	NO
location and type of item that is open or is not stowed for travel. The actual status of the following devices shall be indicated: ▪ Driver Side Cab Door ▪ Passenger's Side Cab Door ▪ Driver Side Crew Cab Door ▪ Passenger's Side Crew Cab Door ▪ Driver Side Body Doors ▪ Passenger's Side Body Doors ▪ Rear Body Door(s) ▪ Hatch Door ▪ Any other device that is opened, extended, or deployed that creates a hazard or is likely to cause damage to the apparatus if the apparatus is moved shall cause an "Alert Center" message if the parking brake is disengaged. Chassis Information: The following information shall be shown: ▪ Engine RPM ▪ Fuel Level ▪ Battery Voltage ▪ Engine Coolant Temperature ▪ Engine Oil Pressure "At a Glance" color features are utilized on this screen. Active Alarms List: This screen shall show a list of all active text messages. The list items text shall match the text messages shown in the "Alert Center". The date and time the message occurred is displayed with each message in the list. **MENU SCREENS** The following screens shall be available through the Menu button: View System Information: A detailed list of vehicle information: ▪ Battery Volts ▪ Pump Hours ▪ Transmission Oil Temperature ▪ Pump Engaged ▪ Engine Coolant Level ▪ Engine Oil Level ○ Oil level shall only be shown when the engine is not running ▪ Power Steering Level Set daytime and nighttime Display Brightness:		

	BIDDER COMPLIES	
	YES	NO
▪ Brightness: Increase and decrease o Default setting button Configure Video Mode: ▪ Set Video Contrast ▪ Set Video Color ▪ Set Video Tint Set Startup Screen: ▪ Choose the screen that shall be active at vehicle power-up Set Date & Time: ▪ 12 or 24 hour format ▪ Set time ▪ Set date View Active Alarms: ▪ Shows a list of all active alarms o Date and time of the occurrence is shown with each alarm ▪ Silence alarms o All alarms are silenced System Diagnostics: ▪ Module type and ID number ▪ Module version ▪ Module diagnostics information: o Input or output number o Circuit number connected to that input or output o Circuit name (item connected to the circuit) o Status of the input or output o Power and Constant Current module diagnostic information Button functions and button labels may change with each screen. **VEHICLE DATA RECORDER** A vehicle data recorder (VDR) shall be provided. The VDR shall be capable of reading and storing vehicle information. The VDR shall be capable of operating in a voltage range from 8VDC to 16VDC. The VDR shall not interfere with, suspend, or delay any communications that may exist on the CAN data link during the power up, initialization, runtime, or power down sequence. The VDR shall continue operation upon termination of power or at voltages below 8VDC for a minimum of 10ms.		

	BIDDER COMPLIES	
	YES	NO

The information stored on the VDR can be downloaded through a USB port mounted in a convenient location determined by cab model. The vehicle data recorder shall be capable of recording the following data via hardwired and/or CAN inputs:

- Vehicle Speed - MPH
- Acceleration - MPH/sec
- Deceleration - MPH/sec
- Engine Speed - RPM
- Engine Throttle Position - % of Full Throttle
- ABS Event - On/Off
- Seat Occupied Status - Yes/No by Position (7-12 Seating Capacity)
- Seat Belt Buckled Status - Yes/No by Position (7-12 Seating Capacity)
- Master Optical Warning Device Switch - On/Off
- Time - 24 Hour Time
- Date - Year/Month/Day

VOLTAGE MONITOR SYSTEM

A voltage monitoring system shall be provided to indicate the status of the battery system connected to the vehicle's electrical load. The system shall provide visual and audible warning when the system voltage is below or above optimum levels. The alarm shall activate if the system falls below 11.8 volts DC for more than two (2) minutes.

ELECTRICAL HARNESSING INSTALLATION

To ensure rugged dependability, all 12-volt wiring harnesses installed by the apparatus manufacturer shall conform to the following specifications:

- SAE J1128 - Low tension primary cable
- SAE J1292 - Automobile, truck, truck-tractor, trailer and motor coach wiring
- SAE J163 - Low tension wiring and cable terminals and splice clips
- SAE J2202 - Heavy duty wiring systems for on-highway trucks
- NFPA 1901 - Standard for automotive fire apparatus
- FMVSS 302 - Flammability of interior materials for passenger cars, multi-purpose passenger vehicles, trucks and buses
- SAE J1939 - Serial communications protocol
- SAE J2030 - Heavy-duty electrical connector performance standard
- SAE J2223 - Connections for on board vehicle electrical wiring harnesses
- NEC - National Electrical Code
- SAE J561 - Electrical terminals - Eyelet and spade type
- SAE J928 - Electrical terminals - Pin and receptacle type A

BATTERY CABLE INSTALLATION

All 12-volt battery cables and battery cable harnessing installed by the apparatus

	BIDDER COMPLIES	
	YES	NO

manufacturer shall conform to the following requirements:

- SAE J1127 - Battery Cable
- SAE J561 - Electrical terminals, eyelets and spade type
- SAE J562 - Nonmetallic loom
- SAE J836A - Automotive metallurgical joining
- SAE J1292 - Automotive truck, truck-tractor, trailer and motor coach wiring
- NFPA 1901 - Standard for automotive fire apparatus

BATTERY SYSTEM

There shall be four (4) group 31, 950 CCA batteries with threaded studs.

A single starting system shall be provided.

An ignition switch and starter button shall be located on the instrument panel.

MASTER BATTERY SWITCH

A master battery switch, to activate the battery system, shall be provided inside the cab within easy reach of the driver.

An indicator light shall be provided on the instrument panel to notify the driver of the status of the battery system.

BATTERY COMPARMENT

The batteries shall be stored in well-ventilated compartments that are located under the cab and bolted directly to the chassis frame.

The compartments shall include formed fit heavy-duty roto-molded polyethylene battery tray inserts with drains on each side of the frame rails. The batteries shall be mounted inside of the roto-molded trays.

JUMPER STUDS

One (1) set of battery jumper studs with plastic color coded covers shall be installed on the battery box on the driver's side. This shall allow enough room for easy jumper cable access. A tag shall be provided for positive/negative terminals.

BATTERY CHARGER/AIR COMPRESSOR

A single output battery charger/air compressor system shall be provided. A bar graph display indicating the state of charge shall be mounted on the driver side step area.

The automatic charger shall maintain one (1) set of batteries with a maximum output current of 40 amps.

	BIDDER COMPLIES	
	YES	NO
The 12-volt air compressor shall be installed to maintain the air system pressure when the vehicle is not in use. A selector switch shall be provided on the charger to operate the air compressor either as a DC compressor or as an AC compressor. If the selector switch is in the DC position the compressor shall operate whenever the pressure switch senses low system pressure. However, if in the AC position, the shoreline inlet shall be plugged in before compressor shall operate. The battery charger/compressor shall be wired to the 120-volt shoreline to activate automatically when power is connected. **KUSSMAUL AUTO EJECT FOR SHORELINE** One (1) shoreline receptacle shall be provided to operate the dedicated 120-volt circuits on the truck without the use of the generator. The shoreline receptacle (s) shall be provided with a NEMA 5-15, 120 volt, 15 amp, straight blade Kussmaul Super 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. The unit is completely sealed to prevent road dirt contamination. A solenoid wired to the vehicle's starter is energized when the engine is started. This instantaneously drives the plug from the receptacle. An internal switch arrangement shall be provided to disconnect the load prior to ejection to eliminate arcing of the connector contacts. The shoreline shall be connected to battery charger. A mating connector body shall also be supplied with the loose equipment. The shoreline receptacle shall be located on the driver side of cab, above wheel. **ALTERNATOR** The alternator shall have a minimum of 430 amp output. The alternator shall feature an integral, fail-safe regulator and rectifier. The alternator shall be connected to the power and ground distribution system with heavy-duty cables sized to carry the full rated alternator output. **SPARE 12 V WIRING** There shall be four (4) pairs of wires installed. Wiring shall be connected directly to the battery and be protected to 15 amps. Termination shall be a 15 amp power point plug with rubber covers. The location shall be 2 facing the officer seat position and 2 at the rear of the tunnel facing the crew cab. There shall be two (2) pairs of wires installed. Wiring shall be connected directly to		

	BIDDER COMPLIES	
	YES	NO

the battery and be protected to 20 amps. Termination shall be a termination strip and be located one in each EMS cabinet centered on the rear wall towards the top.

There shall be two (2) pair of wires installed. Wiring shall be connected directly to the battery and be protected to 20 amps. Termination shall be a waterproof termination strip and be located towards the top of the passenger rear body compartment (P1).

ELECTRONIC LOAD MANAGER

An electronic load management (ELM) system shall be provided that monitors the vehicles 12-volt electrical system, automatically reducing the electrical load in the event of a low voltage condition, and automatically restoring the shed electrical loads when a low voltage condition expires. This ensures the integrity of the electrical system.

For improved reliability and ease of use, the load manager system shall be an integral part of the vehicle's solid state control system requiring no additional components to perform load management tasks. Load management systems which require additional components shall not be allowed.

The system shall include the following features:

- System voltage monitoring.
- A shed load shall remain inactive for a minimum of five minutes to prevent the load from cycling on and off.
- Sixteen available electronic load shedding levels.
- Priority levels can be set for individual outputs.
- High Idle to not be controlled by the load manager.
- If enabled:
  - "Load Man Hi-Idle On" shall display on the information center.
  - Hi-Idle shall not activate until 30 seconds after engine start up.
- Individual switch "on" indicator to flash when the particular load has been shed.
- The information center indicates system voltage.

The information center includes a "Load Manager" screen indicating the following:

- Load managed items list, with priority levels and item condition.
- Individual load managed item condition:
  - ON = not shed
  - SHED = shed

SEQUENCER

A sequencer shall be provided that automatically activates and deactivates vehicle loads in a preset sequence thereby protecting the alternator from power surges.

This sequencer operation shall allow a gradual increase or decrease in alternator output, rather than loading or dumping the entire 12 volt load to prolong the life of the alternator.

For improved reliability and ease of use, the load sequencing system shall be an integral part of the vehicle's solid state control system requiring no additional components to perform load sequencing tasks. Load sequencing systems which require additional components shall not be allowed.

Emergency light sequencing shall operate in conjunction with the emergency master light switch. When the emergency master switch is activated, the emergency lights shall be activated one by one at half-second intervals. Sequenced emergency light switch indicators shall flash while waiting for activation.

When the emergency master switch is deactivated, the sequencer shall deactivate the warning light loads in the reverse order.

Sequencing of the following items shall also occur, in conjunction with the ignition switch, at half-second intervals:

- Cab Heater and Air Conditioning
- Crew Cab Heater
- Crew Cab Air Conditioning
- Exhaust Fans (if applicable)
- Third Evaporator (if applicable)

EXTERIOR LIGHTING

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

Front headlights shall be quad style halogen lights mounted in the front trim housing. The outside light on each side shall contain a low and high beam. The inside light on each side shall contain a high beam light only.

The following LED lighting package shall provide long life lights for a lower cost of ownership:

- One (1) LED combination directional/marker light shall be located in the outside corners of the headlamp trim housing on each side.
- Three (3) LED clearance lamps shall be installed in the center of the cab on the trim above the windshield.
- Four (4) LED identification lamp shall be installed, one (1) each side, facing forward and one (1) each side, facing the side on the trim above the windshield.

	BIDDER COMPLIES	
	YES	NO
WARNING LIGHTS CAB FACE Two (2) Super LED lights shall be installed on the cab face, above the headlights, and shall be provided with 6E or 64 flange kit. The LEDs shall be required for NFPA and shall meet or exceed the NFPA required light output for the front lower zone. The color of these LEDs shall be driver side red Super LED/clear lens, passenger side blue Super LED/clear lens. Both lights shall be activated by the same switch in the cab. **PERIMETER SCENE LIGHTS, CAB** There shall be a grommet mount weatherproof light provided for each cab door. Lighting shall be designed to provide illumination on areas under the driver, officer, and crew cab riding area exits, which shall be activated automatically when the exit doors are opened and by the same means as the body perimeter lights. The lighting shall be capable of providing illumination at a minimum level of two (2) foot-candles on ground areas within 30.00" of the edge of the apparatus in areas which personnel climb in or out of the apparatus or descend from the apparatus to the ground level. **REAR VISON SYSTEM** A single backup camera shall be provided. The camera shall be located at the rear of truck, as close to the center as possible. This rear vision system shall be activated with the video button on the color display or automatically when the apparatus is put into reverse. The backup camera image shall be displayed on the apparatus 7" diagonal screen in view of the driver. An additional external audio speaker and control box shall be installed near the display for the audio portion of the package. This shall enable the personnel in the cab to hear any sounds at the rear of the vehicle when the backup camera is activated. A recessed box shall be installed in the rear body to protect the backup camera from damage.		

	BIDDER COMPLIES	
	YES	NO
WATER TANK The water tank shall have a capacity of 1000 gallons and be constructed of UV stabilized ultra high impact polypropylene plastic by a manufacturer with a minimum of 20 years experience building tanks and is ISO 9001:2000 certified in all of the vendors manufacturing facilities.		
The booster tank shall be a form-fitting design that serves to keep the tank height as low as possible.		
Tank shall be baffled in accordance with NFPA Bulletin 1901 requirements.		
Baffles shall have vent openings at both the top and bottom to permit movement of air and water between compartments.		
Construction shall include 2.00" polypropylene dowels spaced no more than 30.00" apart and welded to the transverse partitions. Two (2) of the dowels shall be drilled and tapped (.50" diameter, 13.00" deep) to accommodate lifting eyes.		
A sump that is 8.00" long x 8.00" wide x 6.00" deep shall be provided at the bottom of the water tank. Sump shall include a drain plug and the tank outlet.		
Tank shall be installed in a fabricated cradle assembly constructed of structural steel.		
Sufficient cross members shall be provided to properly support bottom of tank. Cross members shall be constructed of steel flat bar or rectangular tubing.		
Tank shall "float" in cradle to avoid torsional stress caused by chassis frame flexing. Rubber cushions, .50" thick x 3.00" wide, shall be placed on all horizontal surfaces that the tank rests on.		
Stops or other provision shall be provided to prevent an empty tank from bouncing excessively while moving vehicle.		
Mounting system shall be approved by the tank manufacturer.		
Fill tower shall be constructed of .50" polypropylene and shall be a minimum of 8.00" wide x 14.00" long.		
Fill tower shall be furnished with a .25" thick polypropylene screen and a hinged cover.		
An overflow pipe, constructed of 4.00" schedule 40 polypropylene, shall be installed approximately halfway down the fill tower and extend through the water tank and exit to the rear of the rear axle.		
HOSEBED		

	BIDDER COMPLIES	
	YES	NO
Flooring of the hosebed shall be removable aluminum grating with the top surface corrugated to aid in hose aeration.		
Hose bed shall accommodate 1000' of 5", 400' of 2.5".		
Two (2) adjustable hosebed dividers shall be furnished for separating hose.		
Each divider shall be constructed of a .125" brushed aluminum sheet fitted and fastened into a slotted, 1.50" diameter radiused extrusion along the top, bottom, and rear edge.		
Partition shall be fully adjustable by sliding in tracks, located at the front and rear of the hosebed.		
Divider shall be held in place by tightening bolts, at each end.		
Acorn nuts shall be installed on all bolts in the hosebed which have exposed threads.		
HOSEBED HOSE RESTRAINT The hose in the hosebed shall be restrained by a black nylon Velcro strap at the top of the hosebed.		
At the rear of the hosebed, 2.00" black nylon webbing with a 1.50" x 4.00" box pattern shall attach at the top rear outside corners with seat belt buckle fasteners.		
The webbing shall have straps connected with seat belt buckle fasteners located at the rear body sheet below the hose bed.		
RUNNING BOARDS A running board shall be provided on each side of the front body to allow access to the backboard/crosslay storage area. The running boards shall be designed to provide support, slip resistance, and drainage.		
TAILBOARD The tailboard shall be designed as a space saving work platform provided at the rear of the body. The platform shall fold up to reduce overall truck length, angle of departure, and create a clean safe working platform by keeping rain, snow, and ice off the platform during transit.		
When folded up, the platform shall be the lower section of the rear compartment door. The external surface of the platform shall be covered in aluminum tread plate. When folded down, the platform shall provide a tread plate stepping surface with a rated capacity of 500 lb.		
A handrail shall be provided on each side of the rear compartment for safe access to the platform.		

	BIDDER COMPLIES	
	YES	NO
The rear wall shall be covered in smooth aluminum.		
COMPARTMENTATION		
Body and compartments shall be formed sheet metal fabricated of aluminum with a tensile strength range of 31,000 to 38,000 psi. Body shall be of welded construction to ensure greatest longevity with no visible welds in compartment interior.		
Side compartments shall be an integral assembly with the rear fenders.		
Circular fender liners shall be provided. For prevention of paint chips and ease of suspension maintenance the fender liners shall be formed from brush finished 304L stainless steel, be unpainted, and removable for suspension maintenance.		
Compartment flooring shall be of the sweep out design with the floor 1.00" higher than the compartment door lip.		
Drip protection shall be provided above the doors by means of aluminum extrusion, or formed bright aluminum treadplate.		
The top of the compartment shall be covered with bright aluminum treadplate rolled over the edges on the front, and rear. These covers shall have the corners TIG welded.		
Top side compartment covers shall not be used to form the compartment ceilings, but rather they shall be a separate component.		
All screws and bolts, which are not Grade 8, shall be stainless steel and where they protrude into a compartment shall have acorn nuts on the ends to prevent injury.		
UNDERBODY SUPPORT SYSTEM		
Due to the severe loading requirements of this pumper, a method of body and compartment support suitable for the intended load shall be provided.		
A design with body compartments simply hanging/sitting on the chassis in an unsupported (cantilever) fashion shall not be acceptable.		
WHEEL CHOCKS		
There shall be one (1) set of folding aluminum alloy wheel chocks, with easy-grip handle and horizontal mounting brackets provided.		
The chocks shall be mounted under the DS (driver's side) compartment ahead of rear wheels.		
AGGRESSIVE WALKING SURFACE		
All exterior surfaces designated as stepping, standing, and walking areas shall comply with the required average slip resistance of the current NFPA		

	BIDDER COMPLIES	
	YES	NO

standards. Documentation of the material meeting the standard shall be provided at time of delivery.

LOUVERS

All body compartments shall have a minimum of one (1) set of automotive style, dust resistant louvers pressed into a wall. The louvers shall incorporate a one (1)-way rubber valve that provides airflow out of the compartment and prevents water and dirt from gaining access to the compartment.

TESTING OF BODY DESIGN

Body structural analysis shall be fully tested. Proven engineering and test techniques such as finite element analysis and strain gauging have been performed with special attention given to fatigue life and structural integrity of the body and substructure.

The body shall be tested while loaded to its greatest in-service weight.

Evidence of the actual testing techniques shall be made available upon request.

BODY COMPARTMENT DESIGNATION

Body compartments shall be designated in the following manner:

- Drivers side numbered from back to front:
- D1= drivers side behind rear wheel
- D2= drivers side over rear wheel
- D3= drivers side in front of rear wheel

Passenger side numbered from back to front:

- P1= passenger side behind rear wheel
- P2= passenger side over rear wheel
- P3= passenger side in front of rear wheel

Rear of apparatus will be designated as R1.

COMPARTMENTATION, DRIVER'S SIDE

A full height, roll-up door ahead of the rear wheels shall be provided. The pump operator's panel shall be located in this compartment. The interior dimensions of this compartment shall be approximately 60.00" wide x 54.00" high x 26.00" deep. The depth of the compartment shall be calculated with the compartment door closed. The compartment interior shall be fully open from the compartment ceiling to the compartment floor and designed so that no permanent dividers are required between the upper and lower sections. The clear door opening of this compartment shall be approximately 57.00" wide x 54.00" high.

Closing of the door shall not require releasing, unlocking, or unlatching any

	BIDDER COMPLIES	
	YES	NO
mechanism and shall easily be accomplished with one hand.		
A roll-up door compartment over the rear wheels shall be provided. The interior dimensions of this compartment shall be approximately 60.00" wide x 23.00" high x 26.00" deep. The depth of the compartment shall be calculated with the compartment door closed. The clear door opening of this compartment shall be approximately 57.00" wide x 23.00" high.		
Closing of the door shall not require releasing, unlocking, or unlatching any mechanism and shall easily be accomplished with one hand.		
A full height, roll-up door compartment behind the rear wheels shall be provided. The interior dimensions of this compartment shall be approximately 52.00" wide x 54.00" high x 26.00" deep. The depth of the compartment shall be calculated with the compartment door closed.		
The compartment interior shall be fully open from the compartment ceiling to the compartment floor and designed so that no permanent dividers are required between the upper and lower sections. The clear door opening of this compartment shall be approximately 49.00" wide x 54.00" high.		
Closing of the door shall not require releasing, unlocking, or unlatching any mechanism and shall easily be accomplished with one hand.		
All compartments shall include a drip pan below the roll of the door.		
COMPARTMENTATION, PASSENGER'S SIDE		
A full height, roll-up door ahead of the rear wheels shall be provided. The interior dimensions of this compartment shall be approximately 60.00" wide x 54.00" high x 26.00" deep. The depth of the compartment shall be calculated with the compartment door closed. The compartment interior shall be fully open from the compartment ceiling to the compartment floor and designed so that no permanent dividers are required between the upper and lower sections. The clear door opening of this compartment shall be approximately 57.00" wide x 54.00" high.		
Closing of the door shall not require releasing, unlocking, or unlatching any mechanism and shall easily be accomplished with one hand.		
A roll-up door compartment over the rear wheels shall be provided. The interior dimensions of this compartment shall be approximately 60.00" wide x 23.00" high x 26.00" deep. The depth of the compartment shall be calculated with the compartment door closed. The clear door opening of this compartment shall be approximately 57.00" wide x 23.00" high.		
Closing of the door shall not require releasing, unlocking, or unlatching any		

	BIDDER COMPLIES	
	YES	NO
mechanism and shall easily be accomplished with one hand.		
A full height, roll-up door compartment behind the rear wheels shall be provided. The interior dimensions of this compartment shall be approximately 52.00" wide x 54.00" high x 26.00" deep. The depth of the compartment shall be calculated with the compartment door closed.		
The compartment interior shall be fully open from the compartment ceiling to the compartment floor and designed so that no permanent dividers are required between the upper and lower sections. The clear door opening of this compartment shall be approximately 49.00" wide x 54.00" high.		
Closing of the door shall not require releasing, unlocking, or unlatching any mechanism and shall easily be accomplished with one hand.		
All compartments shall include a drip pan below the roll of the door.		
ROLL-UP DOOR, SIDE COMPARTMENTS		
Six (6) compartment doors shall be installed on the side compartments, double faced, aluminum construction, painted one (1) color to match the lower portion of the body.		
Lath sections shall be an interlocking rib design and shall be individually replaceable without complete disassembly of door.		
Between each slat at the pivoting joint shall be a PVC inner seal to prevent metal to metal contact and prevent dirt or moisture from entering the compartments. Seals shall allow door to operate in extreme temperatures ranging from plus 180 to minus 40 degrees Fahrenheit. Side, top and bottom seals shall be provided to resist ingress of dirt and weather.		
A polished stainless steel lift bar to be provided for each roll-up door. The lift bar shall be located at the bottom of door and have latches on the outer extrusion of the doors frame. A ledge shall be supplied over lift bar for additional area to aid in closing the door.		
Door(s) shall be constructed from an aluminum box section. The exterior surface of each slat shall be flat. The interior surfaces shall be concave to provide strength and prevent loose equipment from jamming the door from inside.		
A heavy-duty magnetic switch shall be used for control of "open compartment door" warning lights.		
COMPARTMENTATION, REAR		
A roll-up door compartment above the rear tailboard shall be provided.		

	BIDDER COMPLIES	
	YES	NO
Interior dimensions of this compartment shall be approximately 36.00" wide x 43.00" high x 26.00" deep in the lower 35.00" of height and 16.00" deep in the remaining upper portion. Depth of the compartment shall be calculated with the compartment door closed.		
A removable access panel shall be furnished on the back wall of the compartment.		
Rear compartment shall be open to the rear side compartments. The transverse opening shall be approximately 22.00" wide x 29.00" high.		
Clear door opening of this compartment shall be approximately 33.00" wide x 35.00" high.		
Closing of the door shall not require releasing, unlocking, or unlatching any mechanism and shall easily be accomplished with one hand.		
ROLL-UP DOOR, REAR COMPARTMENT The rear compartment shall have a swing down tailboard as the lower section of the door and a roll door for the upper section.		
The roll-up door shall be of an anodized satin finish and double faced aluminum construction.		
All other components of the roll-up door shall be of the same design as the side compartment doors.		
HATCH COMPARTMENTS Hatch compartments with two (2) lift-up, top opening hatch doors shall be provided above the driver and passenger side body compartments. Each hatch compartment shall extend the full length of the side body compartmentation approximately 21.00" wide x 22.00" maximum depth. The compartments shall extend the full length of the side body compartmentation except for a 20.00" recessed step area at the rear of the compartment on the access ladder side.		
Sides of the compartments shall be constructed of the same material as the body and painted job color on the outside panels.		
Top of the compartments shall be constructed of bright aluminum treadplate.		
Two (2) lift-up, bright aluminum treadplate doors shall be provided on the top of each hatch compartment. Each door shall have a lever handle with a slam style latch to hold the doors in the closed position. These double pan doors shall have lipped edges with a rubber seal for weather resistance.		
Doors shall be hinged on the outboard side and shall be held open with pneumatic		

	BIDDER COMPLIES	
	YES	NO
stay arms. The compartments shall have a 3/4" drain that extends to below the body. Ribbed rubber matting shall be provided on the compartment floor to stop wet equipment from sitting in water pools. **PULL-OUT ADJUSTABLE HEIGHT TRAY** There shall be four (4) slide-out trays with 2.00" sides and a minimum capacity of 500 pounds provided. Capacity rating shall be in the extended position. Slides shall be equipped with ball bearings for ease of operation and years of dependable service. The tray shall be painted to match the compartment interior. Tray location shall be R1, D1, P1 and P3. Automatic locks shall be provided for both the "in" and "out" positions. The trip mechanism for it shall be located at the front of the tray for ease of use with a gloved hand. Each tray shall be adjustable up and down within the compartment. **SLIDE OUT TOOLBOARD** A slide out aluminum tool board shall be provided. It shall have a painted finish to match the compartment interior. It shall be a minimum of .188" thick with .250" diameter holes in a pegboard pattern with 1.00" centers between holes. A 1.00" x 1.00" aluminum tube frame shall be welded to the edge of the pegboard. The board shall be mounted on a track on the bottom to allow easy extension and retraction with a maximum tool load of 250 lb. The board shall have positive lock in the stowed and extended position. The tool board shall be mounted stationary within the compartment. There shall be One (1) provided. The tool board shall be located D3 lower section. **SWING OUT TOOLBOARD** A swing out aluminum tool board shall be provided. It shall be a minimum of .188" thick with .250" diameter holes in a pegboard pattern with 1.00" centers between holes.		

	BIDDER COMPLIES	
	YES	NO
A 1.00" x 1.00" aluminum tube frame shall be welded to the edge of the pegboard.		
The board shall be mounted on a pivoting device at the back of the compartment on the top and bottom to allow easy movement in and out of the compartment. The maximum tool load shall be 400 pounds.		
The board shall have positive lock in the stowed and extended position.		
The board shall be mounted on adjustable tracks from front to back within the compartment.		
There shall be two (2) tool board(s) provided, shall be painted to match compartment interior, and installed splitting compartment D2, P2.		
EQUIPMENT STORAGE An equipment storage area shall be provided to house two (2) typical backboards (18" x 72" x 2" thick) and sized for additional items such as long tools, or a stokes basket. It shall be located above the crosslays.		
This storage area shall be a fabricated aluminum enclosure. Slides for two backboards shall be provided. No additional equipment mounts or brackets shall be provided.		
The enclosure shall be removable for access to the plumbing.		
MOUNTING TRACKS There shall be recessed tracks installed vertically to support the adjustable shelf(s).		
Tracks shall not protrude into any compartment in order to provide the greatest compartment space and widest shelves possible.		
The tracks shall be provided in each compartment except for the one that contains the pump operator's panel.		
ADJUSTABLE SHELVES There shall be six (6) shelves, with a minimum capacity of 500 pounds provided. The shelf construction shall consist of .188" thick aluminum with 2.00" sides. Each shelf shall be painted Spatter Gray. Each shelf shall be infinitely adjustable by means of a threaded fastener, which slides in a track.		
The shelves shall be held in place by .12" thick stamped plated brackets and bolts.		
The location shall be 1-P1, 1-P2, 2-P3, 1-D1 upper, 1-D3 upper.		
RUB RAIL Bottom edge of the side compartments shall be trimmed with a bright aluminum extruded rub rail.		

	BIDDER COMPLIES	
	YES	NO
The rub rails shall not be an integral part of the body construction, which allows replacement in the event of damage. Rub rails shall be attached with bolts and spaced from the body with isolators that shall help to absorb any moderate impact without damaging the body. **BODY FENDER CROWNS** Polished stainless steel fender crowns shall be provided around the rear wheel openings. A brushed stainless steel unpainted fender liner shall be provided to avoid paint chipping. The liners shall be removable to aid in the maintenance of rear suspension components. A dielectric barrier shall be provided between the fender crown fasteners (screws) and the fender sheet metal to prevent corrosion. The fender crowns shall be held in place with stainless steel screws that thread directly into a composite nut and not directly into the parent body sheet metal to eliminate dissimilar metals contact and greatly reduce the chance for corrosion. **AIR BOTTLE STORAGE (Double)** A total of four (4) air bottle compartments shall be provided on each side of the wheel wells. The air bottle compartment shall be 15.00" wide x 7.50" tall x 26.00" deep. A stainless steel door with a chrome plated latch shall be provided to contain the air bottle. A dielectric barrier shall be provided between the door hinge, hinge fasteners and the body sheet metal. **AIR BOTTLE STORAGE INSERT** A total of four (4) inserts shall be provided for the air bottle storage compartments. The inserts shall be "W" shaped and be formed from composite materials. **EXTENSION LADDER** There shall be a 24', two (2) section, aluminum extension ladder provided. **ROOF LADDER** There shall be a 14' aluminum roof ladder provided. **LADDER STORAGE** The ladders shall be stored inside the upper section of the driver's side compartments. This ladder rack shall reduce the depth of the upper section in the side compartments. A partition shall be installed inside the compartment on the side of the rack to allow for equipment storage and to conceal the ladders.		

	BIDDER COMPLIES	
	YES	NO

The ladders shall be banked in separate storage troughs.

The ladder storage assembly shall be fabricated of stainless steel track channels to aid in loading and removal of ladders.

Rear of the ladder storage area shall have a vertically hinged smooth aluminum door with lift-and-turn latches to contain the ladders.

FOLDING LADDER

One (1) aluminum, 10' folding ladder shall be installed in a U-shaped trough inside the ladder storage compartment.

FOLDING LADDER/PIKE POLE COMPARTMENTS

One (1) folding ladder compartment shall be provided, recessed in the upper, inside part of body compartment on the driver's side. The compartment shall be equipped with a stainless steel trough for the folding ladder. The door shall be made of smooth aluminum and have a lift and turn latch.

One (1) pike pole compartment shall be provided, recessed in the upper, inside part of body compartment on the passenger side. The compartment shall be equipped with two (2) aluminum tubes to hold two (2) pike poles. The door shall be made of smooth aluminum and have a lift and turn latch.

LADDER, TOP ACCESS

A wide easy climbing access ladder, constructed of aluminum rungs and extruded aluminum rails, shall be provided on the right side at the rear of the apparatus. The inside climbing area of the ladder shall be 13.75" wide.

The lower section of the ladder shall be retractable into the upper section to eliminate interference with the rear FMVSS lights. When lowered the bottom rung shall be lower than the body, approximately 16.00" to 20.00" from the ground to allow a lower first step height.

The ladder shall be slanted when in use for easy access, and fold against the body for storage to reduce the overall length. Corrosion resistant, stainless steel spring-loaded locks shall hold the ladder in place.

PUMP

Pump shall be a low profile, 1500 gpm single stage midship mounted centrifugal type, mounted below the cab. The pump shall have a 15 percent reserve capacity to allow for extended time between pump rebuild. To ensure efficient pump/vehicle design the capacity to weight ratio shall not be less than 1.5:1.

Pump shall be the Cass A type.

Pump shall be certified to deliver the percentage of rated discharge from draft at

	BIDDER COMPLIES	
	YES	NO

pressure indicated below:

- 100 percent of rated capacity at 150 psi net pump pressure.
- 70 percent of rated capacity at 200 psi net pump pressure.
- 50 percent of rated capacity at 250 psi net pump pressure.

The pump shall have the capacity to deliver the percentage of rated discharge from a pressurized source as indicated below:

- 135 percent of rated capacity at 100 psi net pump pressure from a 5 psi source

Pump body shall be fine-grained gray iron. Pump shall incorporate a heater/cooling jacket integral to the pump housing.

The impeller shall be high strength vacuum cast bronze alloy accurately machine balanced and splined to a ten (10) spline stainless steel pump shaft for precision fit, exceptional durability, and efficiency. Double replaceable reverse flow labyrinth type bronze wear ring design shall help to minimize end thrust. The impeller shall be a twisted vane design to create higher lift. No keyed shafts shall be acceptable.

The pump shall include o-ring gaskets throughout the pump.

Deep groove radial type oversize ball bearings shall be provided. The bearings shall be protected at the openings from road dirt and water with an oil seal and water slinger.

The pump shall have a flat, patterned area on the top of the pump intake wye to allow standing for plumbing maintenance. The main inlet manifold shall be 6.00" in diameter and shall have a low profile design to facilitate low crosslays and high flows.

For ease of service, the pump housing, intake wye, impeller, mechanical seal, and gear case shall be accessible from above the chassis frame by tilting the cab. The intake wyes shall be removable without having to remove the main intake casting. Removal of the main inlet wyes shall provide access to the impeller, mechanical seal, and wear ring. The tank to pump line and the primary discharge line shall be the only piping required to be removed for overhaul.

PUMP MOUNTING

Pump shall be mounted to the chassis frame rails directly below the crew cab, to minimize wheelbase and facilitate service. The mounting shall allow chassis frame rails to flex independently without damage to the fire pump.

MECHANICAL SEALS

Silicon carbide mechanical seals shall be provided. The seals shall be spring loaded

	BIDDER COMPLIES	
	YES	NO

and self-adjusting.

PUMP GEAR CASE

Pump gear case shall be a pressure-lubricated gear case to cool, lubricate, and filter the oil. The gear case shall include an auxiliary PTO opening.

A dipstick, accessible by tilting the cab, shall be provided for easy fluid level checks. A filter screen shall be provided for long life.

The gear case shall consist of two (2) gears to drive the pump impeller and one (1) for the auxiliary PTO.

The auxiliary PTO opening shall provide for the addition of PTO driven accessories.

The pump shall be driven through the rear engine power take-off and clutch. The rear engine power take-off drive shall be live at all times to allow for pump and roll applications. Rear engine power take-off's allow for high horsepower and torque ratings needed for large pump applications, and is a proven drive system throughout the rugged construction industry.

CLUTCH

There shall be a heavy-duty electric clutch mounted directly to the front of the pump to engage and disengage the pump without gear clash. The clutch shall be a multiple disc design for maximum torque. The clutch shall be fully self-adjusting to provide automatic wear compensation, and consistent torque throughout the life of the clutch.

Positive engagement and disengagement shall be provided through a high efficient and dependable magnetic system to assure superior performance.

PUMPING MODE

Pump shall provide for both pump and roll mode and stationary pumping mode.

Stationary pumping mode shall be accomplished by stopping the vehicle, setting the parking brake and engaging the water pump switch on the cab switch panel. The transmission shall shift to "Neutral" range automatically when the parking brake is set. The "OK to Stationary Pump" indicator shall also illuminate when the parking brake is set.

Pump and roll mode shall be accomplished by the use of the main pump and shall not require the use of a secondary pump. Pump and roll mode shall use the same operation sequence as stationary pumping mode with a few additional steps. After the vehicle is setup for stationary pumping, the operator shall leave the cab and set-up the pump panel to discharge at the desired outlet(s). Upon returning to the cab, the operator shall disengage the parking brake. An "OK to Pump & Roll" indicator shall illuminate on the cab switch panel. First gear on the transmission

	BIDDER COMPLIES	
	YES	NO
gear selector shall be selected by the operator for pump and roll operations. The operator as needed shall apply the foot throttle. Pump and roll mode shall be maintained unless the transmission shifts out of first gear.		
PUMP SHIFT Pump shall be engaged in not more than two steps by simply setting the parking brake, which shall automatically put the transmission into neutral, and activating a rocker switch in the cab. The engagement shall provide simple two-step operation, enhance reliability, and completely eliminate gear clash.		
The shift shall include the indicator lights as mandated by NFPA. A direct override switch shall be located behind a door in the lower pump operator's panel. The switch shall automatically disengage when the door is closed.		
As the parking brake is applied, the pump panel throttle shall be activated and deactivate the chassis foot throttle for stationary operation.		
Pump and roll operation shall be available by releasing the parking brake with the pump in the pumping mode. Releasing the parking brake shall activate the chassis foot throttle, and deactivate the pump panel throttle.		
To protect from accidental pump overheating, the pump shall automatically disengage when the truck transmission shifts into second gear.		
TRANSMISSION LOCK UP Transmission lock up is not required as transmission shall automatically shift to neutral as soon as the parking brake is set.		
AUXILIARY COOLING SYSTEM A supplementary heat exchange cooling system shall be provided to allow the use of water from the discharge side of the pump for cooling the engine water.		
A water-to-coolant heat exchanger shall be used.		
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.		
Outlet shall terminate below the frame rails with a 2.50" National Standard hose thread adapter and shall have a "do not cap" warning tag.		
Control shall be located behind an access door at the right (passenger's) side pump panel.		
PRESSURE CONTROLLER		

	BIDDER COMPLIES	
	YES	NO
An electric pressure governor shall be provided which is capable of automatically maintaining a desired preset discharge pressure in the water pump.		
When operating in the pressure control mode, the system shall automatically maintain the discharge pressure set by the operator (within the discharge capabilities of the pump and water supply) regardless of flow, within the discharge capacities of the water pump and water supply.		
PRIMING PUMP Priming pump shall be a positive displacement vane type, electrically driven, and conforming to standards outlined in NFPA 1901		
One (1) priming control shall open the priming valve and start the priming motor.		
Primer shall be environmentally safe and self lubricating.		
TEMPERATURE RELIEF VALVE A temperature relief valve shall be provided on the pump to monitor pump water temperature. This valve shall automatically relieve water from the pump when the temperature of the pump water exceeds 120 degrees Fahrenheit.		
PLUMBING All inlet and outlet plumbing, 3.00" and smaller, shall be plumbed with either stainless steel pipe or synthetic rubber hose reinforced with high-tensile polyester braid. Small diameter secondary plumbing such as drain lines shall be stainless steel, brass or hose.		
Where vibration or chassis flexing may damage or loosen piping or where a coupling is required for servicing, the piping shall be equipped with Victaulic or rubber couplings.		
Plumbing manifold bodies shall be ductile cast iron or stainless steel.		
All lines shall drain through a master drain valve or shall be equipped with individual drain valves. All individual drain lines for discharges shall be extended with a hose to drain below the chassis frame.		
All water carrying gauge lines shall be of flexible polypropylene tubing.		
MAIN PUMP INLETS A 6.00" pump manifold inlet shall be provided on each side of the vehicle. The suction inlets shall include screens that are designed to provide cathodic protection for the pump, thus reducing corrosion in the pump.		
Main pump inlets shall not be located on the main operator's panel and shall maintain a low connection height by terminating below the top of the chassis		

	BIDDER COMPLIES	
	YES	NO
frame rail. The main pump inlets shall have National Standard Threads with a long handle chrome cap. The cap shall incorporate a thread design to automatically relieve stored pressure in the line when disconnected. (no exception) **VALVES** All discharges shall use in-line ball valves. Valves shall have a ten (10) year warranty. **INLET (Left side)** On the left side pump panel shall be one (1) 2.50" auxiliary suction, terminating in 2.50" National Standard Hose Thread. The auxiliary suction shall be provided with a strainer, chrome swivel and plug. **INLET (Right side)** On the right side pump panel shall be one (1) 2.50" auxiliary suction, terminating in 2.50" National Standard Hose Thread. The auxiliary suction shall be provided with a strainer, chrome swivel and plug. The location of the valve for the two (2) inlets shall be recessed behind the pump panel. **INLET CONTROL** Control for the side auxiliary inlet(s) shall be located at the inlet valve. **INLET BLEEDER VALVE** A .75" bleeder valve shall be provided for each side gated inlet. The valves shall be located behind the panel with a swing style handle control extended to the outside of the panel. The handles shall be chrome plated and provide a visual indication of valve position. The swing handle shall provide an ergonomic position for operating the valve without twisting the wrist and provides excellent leverage. The water discharged by the bleeders shall be routed below the chassis frame rails. **TANK TO PUMP** The booster tank shall be connected to the intake side of the pump with heavy duty 4.00" piping and a quarter turn 3.00" full flow line valve with the control located at the operator's panel. A rubber coupling shall be included in this line to prevent damage from vibration or chassis flexing. A check valve shall be provided in the tank to pump supply line to prevent the possibility of "back filling" the water tank.		

	BIDDER COMPLIES	
	YES	NO

TANK REFILL
A 1.50" combination tank refill and pump re-circulation line shall be provided, using a quarter-turn full flow ball valve controlled from the pump operator's panel.

DISCHARGE OUTLETS (Left Side)
There shall be two (2) discharges with a 2.50" valves on the left side of the apparatus, terminating with a male 2.50" National Standard hose thread adapter. Discharges shall be located below the cab, and shall be no higher than the top of the chassis frame rail. Discharges shall not be located on the pump operator's panel. Lever controls shall be provided at the valve.

DISCHARGE OUTLETS (Right Side)
There shall be one (1) discharge with a 2.50" valve on the right side of the apparatus, terminating with a male 2.50" National Standard hose thread adapter. The discharge shall be located below the crew cab, and shall be no higher than the top of the chassis frame rail. The discharge shall be electrically controlled at the pump operator's panel.

DISCHARGE OUTLET, 4.00"
There shall be a 4.00" discharge outlet with a 4.00" valve body installed on the right side of the apparatus, below the cab, and shall be no higher than the top of the chassis frame rail, terminating with a male 4.00" National Standard hose thread. This discharge outlet shall be electrically controlled at the pump operator's control panel. The 4.00" outlet shall be furnished with a 4.00"(F) National Standard hose thread x 5.00" Storz elbow adapter with cap.

DISCHARGE CAPS
Chrome plated, rocker lug, caps with chains shall be furnished for all side discharge outlets. The cap shall incorporate a thread design to automatically relieve stored pressure in the line when disconnected. (no exception)

ELBOWS, DISCHARGE OUTLETS
The 2.50" discharge outlets, located on the apparatus, shall be furnished with a 2.50"(F) National Standard hose thread x 2.50"(M) National Standard hose thread, chrome plated, 45 degree elbow.

The elbow shall incorporate a thread design to automatically relieve stored pressure in the line when disconnected. (no exception)

OUTLET BLEEDERS
A .75" bleeder valve shall be provided for each outlet 1.50" or larger. Automatic drain valves are acceptable with some outlets if deemed appropriate with the application.

The valves shall be located behind the panel with a swing style handle control

	BIDDER COMPLIES	
	YES	NO
extended to the outside of the side pump panel. The handles shall be chrome plated and provide a visual indication of valve position. The swing handle shall provide an ergonomic position for operating the valve without twisting the wrist and provides excellent leverage.		
Bleeders shall be located at the bottom of the pump panel. They shall be properly labeled identifying the discharge they are plumbed in to. The water discharged by the bleeders shall be routed below the chassis frame rails.		
DISCHARGE OUTLET CONTROLS The discharge outlets shall incorporate a quarter-turn ball valve with the control located at the pump operator's panel. The valve operating mechanism shall indicate the position of the valve or an indicator shall be provided to show when the valve is closed.		
The passenger side discharges shall be controlled by a controller with the manual override located on the passenger side pump panel. In addition to valve position, each controller shall include a pressure display.		
The controller unit shall have solid state electronics to provide easy, two (2) button open and close valve position capability with valve position indicator lights, and current limiting valve motor stopping capability. The unit shall be in water resistant brass housing and shall come with all required installation cables and harnesses.		
All other outlets shall have manual swing handles that operate in a vertical up and down motion. These handles shall be able to lock in place to prevent valve creep under pressure.		
DELUGE RISER A 3.00" deluge riser shall be installed above the pump in such a manner that a monitor can be mounted and used effectively. 3.00" piping shall be installed securely so no movement develops when the line is charged. A 2.50" gated valve shall be installed and controlled at the pump operator's panel. The deluge outlet shall flow a minimum 1000 GPM.		
The deluge riser shall have male National Pipe Threads for mounting the monitor.		
CROSSLAY HOSE BEDS 1.50" Two (2) crosslays with 1.50" outlets shall be provided. Each bed to be capable of carrying 200 feet of 1.75" double jacketed hose and shall be plumbed with 2.00" i.d. schedule 10 304L welded or formed stainless steel pipe and gated with a 2.00" quarter turn ball valve. Threaded pipe shall not be acceptable. Crosslays shall be low mounted with the bottom of both crosslay trays no more than 11.00" above the frame rails for simple, safe reloading and deployment. (no exception)		

	BIDDER COMPLIES	
	YES	NO
Outlets to be equipped with a 1.50" National Standard hose thread 90-degree swivel located in the hose bed so that hose may be removed from either side of apparatus.		
The crosslay controls shall be at the pump operator's panel.		
A removable tray shall be provided for the crosslay hosebed. The crosslay tray shall be constructed of black poly to provide a lightweight sturdy tray. Two (2) hand holes shall be in the floor and additional hand holes shall be provided in the sides for easy removal and installation from the compartment. The floor of the trays shall be perforated to allow for drainage and hose drying. Trays shall be held in place by a mechanical spring loaded stainless steel latch that automatically deploys upon loading the trays to hold the trays in place during transit.		
CROSSLAY HOSE BED, 2.50" One (1) crosslay with a 2.50" outlet shall be provided. Hosebed shall be capable of carrying 200' of 2.5" hose and shall be plumbed with 2.50" i.d. schedule 10 304L welded or formed stainless steel pipe and gated with a 2.50" quarter turn ball valve. Threaded pipe shall not be acceptable.		
The outlet to be equipped with a 2.50" National Standard hose thread 90 degree swivel located above the hose bed so that hose may be removed from either side of apparatus.		
The crosslay shall be mounted above the lower 1.5" crosslays. The crosslay control shall be at the pump operator's panel.		
A removable tray shall be provided for the crosslay hosebed. The crosslay tray shall be constructed of black poly to provide a lightweight sturdy tray. Two (2) hand holes shall be in the floor and additional hand holes shall be provided in the sides for easy removal and installation from the compartment. The floor of the tray shall be perforated to allow for drainage and hose drying. Tray shall be held in place by a mechanical spring loaded stainless steel latch that automatically deploys upon loading the tray to hold the trays in place during transit.		
CROSSLAY/ EQUIPMENT STORAGE ROLL-UP DOOR A roll-up door shall be installed on each side. Each door shall be double faced, aluminum construction, painted one color to match the primary body color, and shall be of the same construction as all other roll-up doors on the apparatus.		
BOOSTER HOSE REEL An electric rewind booster hose reel shall be installed over the pump in a recessed open compartment on the right side of the apparatus. Reel to be fabricated of aluminum and have highly polished end discs.		
A polished stainless steel roller and guide assembly shall be mounted on the reel		

	BIDDER COMPLIES	
	YES	NO
side of the apparatus. Discharge control shall be provided at the pump operator's panel. Plumbing to the reel shall consist of 1.50" high pressure hose and a 1.50" valve. **REEL REWIND SWITCH** Reel motor shall be protected from overload with a sized automatic reset circuit breaker. Electric rewind control shall be a rubber covered button shall be located PS near reel. Booster hose, 1.00" diameter and 200 feet, with chrome plated Barway, or equal couplings shall be provided. Working pressure of the booster hose shall be a minimum of 800 psi. Capacity of the hose reel shall be 200 feet of 1.00" booster hose. **HOSE REEL BLOWOUT** A hose reel blowout shall be furnished to blow out any remaining water from the reel. Blowout shall be piped from the wet tank of the brake system to the reel, and shall be controlled at the pump operator's panel. **PUMP CONTROL PANELS (Left Side Control)** Pump controls and gauges shall be located midship at the left (driver's) side of the apparatus and properly identified. The main pump operator's control panel shall be completely enclosed and located in the forward section of the body compartment, to protect against road debris and weather elements. The pump operator's panels shall be no more than 31.00" wide, and made in four (4) sections with the center section easily removable with simple hand tools. For the safety of the pump operator, there shall be no discharge outlets or pump inlets located on the main pump operators panel. Layout of the pump control panel shall be ergonomically efficient and systematically organized. The upper section shall contain the master gauges. This section shall be angled down for easy visibility. The center section shall contain the pump controls aligned in two horizontal rows. The pressure control device, engine monitoring gauges, electrical switches, shall be located on or adjacent to the center panel, on the side walls for easy operation and visibility. The lower section shall contain the outlet drains. Manual controls shall be easy moving 8" long lever style controls that operate in a vertical, up and down swing motion. These handles shall have a 2.25" diameter		

	BIDDER COMPLIES	
	YES	NO
knob and be able to lock in place to prevent valve creep under any pressure. Bright finish bezels shall encompass the opening, be securely mounted to the pump operator's panel, and shall incorporate the discharge gauge bezel. Bezels shall be bolted to the panel for easy removal and gauge service. The driver's side discharges shall be controlled directly at the valve. There shall be no push-pull style control handles. (no exception)		
Identification tags for the discharge controls shall be recessed within the same bezel. The discharge identification tags shall be color coded, with each discharge having its own unique color.		
All remaining identification tags shall be mounted on the pump panel in chrome-plated bezels.		
All discharge outlets shall be color coded and labeled to correspond with the discharge identification tag.		
The pump panels for the midship discharge and intake ports shall be located ahead of the body compartments with no side discharge or intake higher than the frame rail. The pump panels shall be easily removable with simple hand tools.		
A recessed cargo area shall be provided at the front of the body, ahead of the water tank above the plumbing.		
PUMP AND GAUGE PANEL The pump operators panel and gauge panels shall be constructed of stainless steel with a brushed finish. The pump panels on the driver and passenger's side shall be constructed of stainless steel with a brushed finish.		
PUMP AND PLUMBING ACCESS Simple access to the plumbing shall be provided through the front of the body area by raising the cab for complete plumbing service and valve maintenance. Access to valves shall not require removal of operator panels or pump panels. Access for rebuilding of the pump shall not require removal of more than the tank to pump line and a single discharge line. This access shall allow for fast, easy valve or pump rebuilding, making for reduced out of service times. Steps shall be provided for access to the top of the pump.		
Access to the pump shall be provided by raising the cab. The pump shall be positioned such that all maintenance and overhaul work can be performed above the frame and under the tilted cab. The service and overhaul work on the pump shall not require the removal of operator panels or pump panels. Complete pump casing and gear case removal shall require no more than removal of the intake and discharge manifolds, driveline, coolers and a single discharge line.		
Engine monitoring graduated LED indicators shall be incorporated with the		

	BIDDER COMPLIES	
	YES	NO
pressure controller.		

GAUGES, VACUUM and PRESSURE

The pump vacuum and pressure gauges shall be silicone filled.

The gauges shall be a minimum of 4.00" in diameter and shall have white faces with black lettering, with a pressure range of 30.00"-0-600#.

The pump pressure and vacuum gauges shall be installed adjacent to each other at the pump operator's control panel.

Test port connections shall be provided at the pump operator's panel. One shall be connected to the intake side of the pump, and the other to the discharge manifold of the pump. They shall have 0.25 in. standard pipe thread connections and non-corrosive polished stainless steel or brass plugs. They shall be marked with a label. This gauge shall include a 10 year warranty against leakage, pointer defect, and defective bourdon tube.

PRESSURE GAUGES

The individual "line" pressure gauges for the discharges shall be liquid filled.

They shall be a minimum of 2.00" in diameter and shall have white faces with black lettering.

Gauges shall have a pressure range of 30"-0-400#.

The individual pressure gauge shall be installed as close to the outlet control as practical.

This gauge shall include a 10 year warranty against leakage, pointer defect, and defective bourdon tube.

WATER LEVEL GAUGE

An electric water level gauge shall be incorporated in the pressure controller that registers water level by means of nine (9) LEDs. They shall be at 1/8 level increments with a tank empty LED. The LEDs shall be a bright type that is readable in sunlight, and have a full 180-degree of clear viewing.

To further alert the pump operator, the gauge shall have a warning flash when the tank volume is less than 25 percent, and shall have down chasing LEDs when the tank is almost empty.

The level measurement shall be ascertained by sensing the head pressure of the fluid in the tank or cell.

MINI SLAVE UNIT

An electric water level gauge shall be provided in the cab that registers water level

	BIDDER COMPLIES	
	YES	NO
by means of five (5) LEDs. They shall be at 1/4 level increments with a tank empty LED. The LEDs shall be a bright type that is readable in sunlight, and have a full 180-degree of clear viewing.		
WATER LEVEL GAUGE, CAB SIDES There shall be two (2) additional water level indicator, LED module, installed each side of cab, to the rear of the doors.		
This light module shall include four (4) colored levels, and function similar to the water level indicator located at the operators panel:		
This module shall be activated when the parking brake is set.		
SIDE CONTROL PUMP OPERATOR'S/PUMP PANEL LIGHTING Illumination shall be provided for controls, switches, essential instructions, gauges, and instruments necessary for the operation of the apparatus and the equipment provided on it.		
The pump panels shall be illuminated by a light on each side of the back of the cab.		
The pump operator's panel shall utilize strip lighting at the forward doorframe and an overhead light.		
ELECTRICAL COMPONENT INSTALLATION All lighting used on the apparatus shall be, at a minimum, a two (2) wire light grounded through a wired connection to the battery system. Lights using an apparatus metal structure for grounding shall not be allowed.		
An operational test shall be conducted to ensure that any equipment that is permanently attached to the electrical system is properly connected and in working order. The results of the tests shall be recorded and provided to the purchaser at time of delivery.		
STEP LIGHTS Two (2) LED step lights shall be provided at the rear to illuminate the tailboard/step area.		
These step lights shall be actuated with the perimeter scene lights.		
All other steps on the apparatus shall be illuminated per the current edition of NFPA 1901.		
REAR FMVSS LIGHTING Three (3) pairs of wrap around LED lights shall be provided. Each group shall include a stop-tail light, a directional light and a backup light.		
The lights shall be mounted on the face of the rear body compartments.		

	BIDDER COMPLIES	
	YES	NO
Four (4) red reflectors shall be provided.		
A license plate bracket shall be mounted on the driver's side above the warning lights. A step lamp shall illuminate the license plate.		
REAR ID/MARKER DOT LIGHTING The three (3) identification lights located at the rear shall be installed per the following: ▪ A (3) lamp LED cluster recessed into the body. ▪ The center lights shall be as close to the vertical centerline and as high as practical. ▪ Centers spaced not less than six (6) inches or more than twelve (12) inches apart. ▪ Red in color. ▪ All at the same height.		
Two (2) red recessed LED lights, located as high and as close to the outside as possible facing the rear.		
Two (2) red recessed LED lights, located at a minimum of 15" above the ground and as far to the rear as practical facing the side.		
Two (2) red reflex reflectors shall be located on the rear of the truck facing to the rear. One (1) each side, as far to the outside as practical, at a minimum of 15", but no more than 60", above the ground.		
Two (2) red reflex reflectors shall be located on the side of the truck facing to the side. One (1) each side, as far to the rear as practical, at a minimum of 15", but no more than 60", above the ground.		
Per FMVSS 108 and CMVSS 108 requirements.		
LIGHT, INTERMEDIATE There shall be one (1) pair of amber LED turn signal, marker lights furnished, one (1) each side, horizontally in the rear fender panel.		
A stainless steel trim shall be included with this installation.		
COMPARTMENT LIGHTING All compartments shall have LED light strips. The strips shall be installed in the most logical locations, to provide excellent lighting and also be protected.		
Opening the compartment door shall automatically turn the lighting on.		
HATCH COMPARTMENT LIGHTING A strip light shall be mounted on the interior, hinged side of each door. Opening the hatch compartment door shall automatically turn this hatch compartment		

	BIDDER COMPLIES	
	YES	NO
lighting on.		
PUMP COMPARTMENT LIGHT A pump compartment light shall be provided inside the plumbing area. A .125" weep hole shall be provided in each light lens, preventing moisture retention.		
PERIMETER SCENE LIGHTS, BODY There shall be a total of four (4) grommet mount, weatherproof lights provided on the apparatus. Two (2) lights shall be provided under the rear step area and two (2) lights shall be provided under the pump panel running boards. The lights shall be spaced one (1) each side of apparatus and have a clear lens. The perimeter scene lights shall be activated by a parking brake.		
SCENE LIGHTS – DRIVER SIDE There shall be two (2) halogen scene light(s) with bezel(s) installed on the side of the apparatus, driver side hatch compartment, forward and rear corner. A switch to control the lights shall be located at the driver's side switch panel. These lights may be load managed when the parking brake is set.		
SCENE LIGHTS – PASSENGER SIDE There shall be two (2) halogen scene light(s) with bezel(s) installed on the side of the apparatus, passenger side hatch compartment, forward and rear corner. A switch to control the lights shall be located at the driver's side switch panel. These lights may be load managed when the parking brake is set.		
SCENE LIGHTS – REAR OF APPARATUS There shall be two (2) halogen scene light(s) with bezel(s) installed at the rear of the apparatus, high on back of the body. A switch to control the lights shall be located at the driver's side switch panel. These lights may be load managed when the parking brake is set.		
SCENE LIGHTS – TELESCOPING The apparatus shall be equipped with side mount, bottom raise, telescoping flood lights. The lamp head shall be 120 VAC and a minimum of 750 Watts. The lamp heads shall swivel 360 degrees left and right and tilt up and down. A total of two (2) lights shall be provided and mounted on the back of the cab. A switch to control the lights shall be located at the driver's side switch panel.		

	BIDDER COMPLIES	
	YES	NO
These lights may be load managed when the parking brake is set.		
DECK LIGHTS One (1) light with swivel mount shall be provided at the front of the hose bed, centered. This light shall have a switch on the light head.		
The light shall be furnished with a 6,000 candle power halogen flood bulb.		
REAR WORK LIGHTS One (1) pair of 50 watt scene lights shall be installed at the rear of the body to the outside of rear compartment.		
The lights shall have a prismatic inner lens to redirect light downward 15 degrees.		
The lights shall be provided with a flange.		
The lights shall be controlled by a control from the driver side switch panel.		
REAR ZONE LOWER LIGHTING Two (2) flashing super LED warning lights shall 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 shall be driver side blue Super LED/clear lens, passenger side red Super LED/clear lens.		
One (1) switch in the cab on the switch panel shall control these lights.		
These lights shall be installed with a flange.		
WARNING LIGHTS (Rear of Hose Bed) There shall be two (2) LED warning beacons provided at the rear of the truck, located one (1) each side. These lights shall be activated by a lighted switch on the instrument panel.		
The color of the light on the driver's side shall be blue LED and the color of the light on the passenger's side shall be red LED.		
The color of the lenses shall be clear.		
The rear warning lights shall be mounted on stainless steel brackets with all wiring totally enclosed. These brackets shall also support the clearance/marker lights.		
TRAFFIC DIRECTING LIGHT There shall be one (1) 44.00" long x 2.50" high x 4.43" deep, amber LED traffic directing light installed at the rear of the apparatus.		

	BIDDER COMPLIES	
	YES	NO
A control head shall be included with this installation.		
The auxiliary warning mode shall be activated with the emergency master switch.		
This traffic directing light shall be surface mounted over the rear door, at the rear of the apparatus as high as practical.		
The traffic directing light control head shall be located on the same swivel bracket as the two-way radio centered between the driver and passenger.		
This swivel bracket shall enable the driver access as well as the passenger.		
ELECTRICAL SYSTEM GENERAL DESIGN for ALTERNATING CURRENT The following guidelines shall apply to the 120/240 VAC system installation:		
General ▪ Any fixed line voltage power source producing alternating current (ac) line voltage shall produce electric power at 60 cycles plus or minus five (5) cycles. ▪ Except where superseded by the requirements of NFPA 1901, all components, equipment and installation procedures shall conform to NFPA 70, National Electrical Code (herein referred to as the NEC). ▪ Line voltage electrical system equipment and materials included on the apparatus shall be listed and installed in accordance with the manufacturer's instructions. All products shall be used only in the manner for which they have been listed.		
Grounding ▪ Grounding shall be in accordance with Section 250-6 "Portable and Vehicle Mounted Generators" of the NEC. Ungrounded systems shall not be used. Only stranded or braided copper conductors shall be used for grounding and bonding. ▪ An equipment grounding means shall be provided in accordance with Section 250-91 (Grounding Conductor Material) of the NEC. ▪ The grounded current carrying conductor (neutral) shall be insulated from the equipment grounding conductors and from the equipment enclosures and other grounded parts. The neutral conductor shall be colored white or gray in accordance with Section 200-6 (Means of Identifying Grounding Conductors) of the NEC. ▪ In addition to the bonding required for the low voltage return current, each body and driving or crew compartment enclosure shall be bonded to the vehicle frame by a copper conductor. This conductor shall have a minimum amperage rating of 115 percent of the nameplate current rating of the power source specification label as defined in Section 310-15 (amp capacities) of the NEC. A single conductor properly sized to meet the low		

	BIDDER COMPLIES	
	YES	NO
voltage and line voltage requirements shall be permitted to be used. ▪ All power source system mechanical and electrical components shall be sized to support the continuous duty nameplate rating of the power source. Operation ▪ Instructions that provide the operator with the essential power source operating instructions, including the power-up and power-down sequence, shall be permanently attached to the apparatus at any point where such operations can take place. ▪ Provisions shall be made for quickly and easily placing the power source into operation. The control shall be marked to indicate when it is correctly positioned for power source operation. Any control device used in the drive train shall be equipped with a means to prevent the unintentional movement of the control device from its set position. ▪ A power source specification label shall be permanently attached to the apparatus near the operator's control station. The label shall provide the operator with the information detailed in Figure 19-4.10. ▪ Direct drive (PTO) and portable generator installations shall comply with Article 445 (Generators) of the NEC. Over current protection ▪ The conductors used in the power supply assembly between the output terminals of the power source and the main over current protection device shall not exceed 144 inches. (3658 mm) in length. ▪ For fixed power supplies, all conductors in the power supply assembly shall be type THHW, THW, or use stranded conductors enclosed in nonmetallic liquid tight flexible conduit rated for a minimum of 194 degrees Fahrenheit (90 degrees Celsius). ▪ For portable power supplies, conductors located between the power source and the line side of the main over current protection device shall be type SO or type SEO with suffix WA flexible cord rated for 600-volts at 194 degrees Fahrenheit (90 degrees Celsius). Wiring Methods ▪ Fixed wiring systems shall be limited to the following: o Metallic or nonmetallic liquid tight flexible conduit rated at not less than 194 degrees Fahrenheit (90 degrees Celsius) or o Type SO or Type SEO cord with a WA suffix, rated at 600 volts at not less than 194 degrees Fahrenheit (90 degree Celsius) ▪ Electrical cord or conduit shall not be attached to chassis suspension components, water or fuel lines, air or air brake lines, fire pump piping, hydraulic lines, exhaust system components, or low voltage wiring. In addition the wiring shall be run as follows: o Separated by a minimum of 12 inches (305 mm), or properly		

	BIDDER COMPLIES	
	YES	NO
shielded, from exhaust piping o Separated from fuel lines by a minimum of six (6) inches (152 mm) distance. ▪ Electrical cord or conduit shall be supported within six (6) inches (152 mm) of any junction box and at a minimum of every 24 inches (610 mm) of continuous run. Supports shall be made of nonmetallic materials or corrosion protected metal. All supports shall be of a design that does not cut or abrade the conduit or cable and shall be mechanically fastened to the vehicle. Wiring Identification ▪ All line voltage conductors located in the main panel board shall be individually and permanently identified. The identification shall reference the wiring schematic or indicate the final termination point. When prewiring for future power sources or devices, the unterminated ends shall be labeled showing function and wire size. Wet Locations ▪ All wet location receptacle outlets and inlet devices, including those on hardwired remote power distribution boxes, shall be of the grounding type provided with a wet location cover and installed in accordance with Section 210-7 "Receptacles and Cord Connections" of the NEC. ▪ All receptacles located in a wet location shall be not less than 24 inches (610 mm) from the ground. Receptacles on off-road vehicles shall be a minimum of 30 inches (762 mm) from the ground. ▪ The face of any wet location receptacle shall be installed in a plane from vertical to not more than 45 degrees off vertical. No receptacle shall be installed in a face up position. Dry Locations ▪ All receptacles located in a dry location shall be of the grounding type. Receptacles shall be not less than 30 inches (762 mm) above the interior floor height. ▪ All receptacles shall be marked with the type of line voltage (120-volts or 240-volts) and the current rating in amps. If the receptacles are direct current, or other than single phase, they shall be so marked. Listing ▪ All receptacles and electrical inlet devices shall be listed to UL 498, Standard for Safety Attachment Plugs and Receptacles, or other appropriate performance standards. Receptacles used for direct current voltages shall be rated for the appropriate service. Electrical System Testing ▪ The wiring and associated equipment shall be tested by the apparatus manufacturer or the installer of the line voltage system. ▪ The wiring and permanently connected devices and equipment shall be		

	BIDDER COMPLIES	
	YES	NO
subjected to a dielectric voltage withstand test of 900-volts for one (1) minute. The test shall be conducted between live parts and the neutral conductor, and between live parts and the vehicle frame with any switches in the circuit(s) closed. This test shall be conducted after all body work has been completed. ▪ Electrical polarity verification shall be made of all permanently wired equipment and receptacles to determine that connections have been properly made. Operational Test per Current NFPA 1901 Standards ▪ The apparatus manufacturer shall perform the following operation test and ensure that the power source and any devices that are attached to the line voltage electrical system are properly connected and in working order. The test shall be witnessed and the results certified by an independent third-party certification organization. ▪ The prime mover shall be started from a cold start condition and the line voltage electrical system loaded to 100 percent of the nameplate rating. ▪ The power source shall be operated at 100 percent of its nameplate voltage for a minimum of two (2) hours unless the system meets category certification as defined in the current NFPA 1901 standard. ▪ Where the line voltage power is derived from the vehicle's low voltage system, the minimum continuous electrical load as defined in the current NFPA 1901 standard shall be applied to the low voltage electrical system during the operational test. **GENERATOR** The apparatus shall be equipped with a complete electrical power system. The generator shall be a hydraulic unit. The wiring and generator installation shall conform to the present National Electrical Codes Standards of the National Fire Protection Association. The installation shall be designed for continuous operation without overheating and undue stress on components. Generator Performance ▪ Continuous Duty Rating: 8,000 watts ▪ Nominal Volts: 120/240 ▪ Amperage: 80 @ 120 volts, 40 @ 240 volts ▪ Phase: Single ▪ Cycles: 60 hertz ▪ Engine Speed at Engagement: Idle ▪ RPM range: 900 to 3,000 (hydraulic pump) The output of the generator shall be controlled by an internal hydraulic system. An electrical instrument gauge panel shall be provided for the operator to monitor and		

	BIDDER COMPLIES	
	YES	NO
control all electrical operations and output. The generator shall be driven by power take off unit, through a hydraulic pump and motor, with appropriate cooling system. The generator shall include an electrical control inside the cab. The hydraulic engagement supply shall be operational only after the chassis parking brake is applied. An electric/hydraulic valve shall supply hydraulic fluid to the clutch engagement unit provided on the chassis PTO drive. **GENERATOR INSTRUMENTS AND CONTROLS** To properly monitor the generator performance a digital meter panel shall be furnished and mounted next to the circuit breaker panel. The meter shall indicate the following items: ▪ Voltage ▪ Amperage for both lines ▪ Frequency ▪ Generator run hours ▪ Over current indication ▪ Over temperature indication ▪ "Power On" indication ▪ Two (2) fuse holders with two (2) amp fuses (for indicator light protection) The meter and indicators shall be installed near eye level in the compartment. Instruments shall be flush mounted in an appropriate sized weatherproof electrical enclosure. All instruments used shall be accurate within +/- two (2) percent. **GENERATOR WIRING** The system shall be installed by highly qualified electrical technicians to assure the required level of safety and protection to the fire apparatus operators. The wiring, electrical fixtures and components shall be to the highest industry quality standards available on the domestic market. The equipment shall be the type as designed for mobile type installations subject to vibration, moisture and severe continuous usage. The following electrical components shall be the minimum acceptable quality standards for this apparatus:		

	BIDDER COMPLIES	
	YES	NO
▪ **Wiring:** o All electrical wiring shall be fine stranded copper type. The wire shall be sized to the load and circuit breaker rating; ten (10) gauge on 30 amp circuits, 12 gauge on 20 amp circuits and 14 gauge on 15 amp circuits. The cable shall be run in corner areas and extruded aluminum pathways built into the body for easy access. ▪ **Load Center:** o The main load center shall include circuit breakers rated to load demand. ▪ **Circuit Breakers:** o Individual breakers shall be provided for all on-line equipment to isolate a tripped breaker from affecting any other on-line equipment. **GENERATOR LOCATION** The generator shall be permanently mounted in the forward area of the driver's side hatch compartment. Proper ventilation panels shall be provided as necessary. **GENERATOR START** A switch shall be located on the cab instrument panel to engage the generator. **CIRCUIT BREAKER PANEL** The circuit breaker panel shall be located in the front wall of the driver's side forward brass compartment. **ELECTRIC CORD REEL** Furnished with the 120 volt AC electrical system shall be a cord reel. The reel shall be provided with a 12-volt electric rewind switch, that is guarded to prevent accidental operation and labeled for its intended use. The switch shall be protected with a fuse and installed at a height not to exceed 72 inches above the operators standing position. The exterior finish of the reel(s) shall be painted #269 gray from the reel manufacturer. A captive roller assembly to be provided to aid in the payout and loading of the reel. A ball stop shall be provided to prevent the cord from being wound on the reel. A label shall be provided in a readily visible location adjacent to the reel. The label shall indicate current raring, type, phase, voltage and total cable length. A total of two (2) cord reels shall be provided reel mounted protruding into hatch compartment above D1 and P1. The cord reel should be configured with three (3) conductors.		

	BIDDER COMPLIES	
	YES	NO
CORD Provided for electric distribution shall be two (2) lengths, one (1) for each reel, of 200 feet of yellow 10/3 electrical cord, weather resistant 105 degree C to -50 degree C, 600 volt jacketed SOOW cord. No connector shall be installed on the end of the cord. **PORTABLE JUNCTION BOX** There shall be three (3)-120 VAC, 20 amp twist lock receptacles and one (1)-120 VAC, 20 amp straight blade (household) receptacles provided in a portable junction box. The junction box shall be of weatherproof construction and have flip up lids lined with soft neoprene rubber at each outlet opening. Box shall be fitted with a quarter inch thick, polypropylene faceplate which is brightly backlit with a twenty-five watt lamp, making the junction box easy to locate. A total of two (2) shall be provided. **15 AMP RECEPTACLE** Wired to the power supply shall be two (2) receptacles that are 120 volt 15 amp three wire twist-lock NEMA L5-15 type with weather resisting cover located front of rear wheel well each side. **POWER OUTLET STRIP** A six (6) place power outlet strip shall be provided. The outlet strip shall contain 120 volt 20 amp straight blade receptacles. A total of two (2) receptacles shall be provided one (1) in each EMS cabinet, powered by Kussmaul. **120 VOLT EXTERIOR RECEPTACLE (GFI)** Receptacle shall be a NEMA type 5-20R, 120 volt, 20 amp, three (3) wire duplex straight blade G.F.I. with a weather resistant cover. The receptacle shall be wired to the breaker box. There shall be two (2) receptacles provided. Located R1 back wall high, powered by generator. **LOOSE EQUIPMENT** The following equipment shall be furnished with the completed unit: ▪ One (1) bag of chrome, stainless steel, or cadmium plated screws, nuts, bolts and washers, as used in the construction of the unit. **NFPA REQUIRED LOOSE EQUIPMENT, PROVIDED BY FIRE DEPARTMENT**		

	BIDDER COMPLIES	
	YES	NO
All loose equipment not listed shall be provided by the fire department.		

PAINT

The exterior custom cab and body painting procedure shall consist of a seven (7) step finishing process as follows:

1. Manual Surface Preparation - All exposed metal surfaces on the custom cab and body shall be thoroughly cleaned and prepared for painting. Surfaces that shall not be painted include all chrome plated, polished stainless steel, anodized aluminum and bright aluminum treadplate. Each imperfection on the exterior metal surface shall be removed or filled and then sanded smooth for a smooth appearance. All seams shall be sealed before painting.

2. Chemical Cleaning and Treatment - The metal surfaces shall be properly cleaned using a high pressure and high temperature cleaning system. Surfaces are chemically cleaned to remove all dirt, oil, grease and metal oxides to ensure the subsequent coatings bond well. An ultra pure water final rinse shall be applied to all metal surfaces at the conclusion of the metal treatment process.

3. Primer/Surfacer Coats - A two (2) component urethane primer/surfacer shall be hand applied to the chemically treated metal surfaces to provide a strong corrosion protective base coat and to smooth out the surface.

4. Hand Sanding - The primer/surfacer coat shall be lightly sanded to an ultra smooth finish.

5. Sealer Primer Coat - A two (2) component sealer primer coat shall be applied over the sanded primer.

6. Topcoat Paint - Urethane base coat shall be applied to opacity for correct color matching.

7. Clearcoat - Two (2) coats of an automotive grade two (2) component urethane shall be applied. Roll-up doors shall not be clear coated and the standard roll-up door warranty shall apply.

All removable items such as brackets, compartment doors, door hinges, trim, etc. shall be removed and painted separately to insure paint behind all mounted items. Body assemblies that cannot be finish painted after assembly shall be finish painted before assembly.

The cab shall be two-tone. Colors to be specified at pre-build meeting.

PAINT CHASSIS FRAME ASSEMBLY

The chassis frame assembly shall be painted job color before the installation of the cab and body, and before installation of the engine, drive shafts and transmission

	BIDDER COMPLIES	
	YES	NO
assembly, air brake lines, electrical wire harnesses, etc. Components that are included with the chassis frame assembly that shall be painted job color are frame rails, cross members, axles, suspension, steering gear, fuel tank, body substructure supports, miscellaneous mounting brackets, etc.		
INTERIOR PAINT (Cab) The cab interior metal surfaces shall be painted gray, vinyl texture paint.		
PAINT LIFT TOW MOUNTS The lift and tow mounts with eyes shall be painted the same color as the frame.		
PAINT, COMPARTMENT INTERIOR Interior of compartment shall be painted with a gray spatter type paint.		
REFLECTIVE STRIPES Three (3) reflective stripes shall be provided across the front of the vehicle and along the sides of the body. The reflective band shall consist of a 2.00" white stripe at the top with a 1.00" gap then a 4.00" green stripe with a 1.00" gap and a 2.00" white stripe on the bottom.		
The reflective band provided on the cab face shall be below the headlights.		
CHEVRON STRIPING, REAR There shall be chevron striping located on the rear-facing vertical surface of the apparatus. The rear surface, excluding the rear compartment door, shall be covered.		
The colors shall be reflective red and white.		
Each stripe shall be 6.00" in width.		
This shall meet the requirements of NFPA 1901, 2009 edition, which states that 50% of the rear surface shall be covered with chevron striping.		
JOG(S) IN REFLECTIVE BAND The reflective band located on each side of the apparatus body shall contain three (3) jog(s) and shall be angled at approximately a 45 degree "s" when installed.		
OUTLINE, REFLECTIVE STRIPE A Black outline shall be applied on the top and the bottom of the reflective band. There shall be six (6) set of outline stripes required.		
REFLECTIVE STRIPE, CAB DOORS A 6.00" x 16.00" white reflective stripe shall be provided across the interior of each cab door. The stripe shall be located approximately 1.00" up from the bottom, on the door panel.		

	BIDDER COMPLIES	
	YES	NO
This stripe shall meet the NFPA 1901 requirement.		

LETTERING

Lettering shall be imitation gold leaf, 4.00" high, outlining and shading shall be provided.

The lettering shall be totally encapsulated between two (2) layers of clear vinyl.

INFORMATION REQUIRED AT DELIVERY

Two (2) copies of complete operation and maintenance manuals covering the completed apparatus, including but not limited to, the chassis manual, lubrication charts, and fire equipment service information as supplied by brand name component suppliers.

Engine manufacturer's current brake horsepower curve showing the maximum no-load covered engine RPM.

Complete Manufacturer's Record of Apparatus Construction Details Form, including certified completed vehicle actual weights.

Two (2) sets of wiring diagrams showing the manufacturer's complete electrical system, circuit breaker panel layouts, primary electrical system and individual schematics for each separate circuit, shall be submitted at the time of delivery.

TOTAL VEHICLE ASSESSMENT CERTIFICATION

The apparatus shall be third-party, independent, audit certified to the current edition of NFPA standards. The certification includes: All design, production, operational and performance testing of the apparatus.

CAB DEFROSTER CERTIFICATIONS

Visibility during inclement weather is essential to safe apparatus performance. The defroster system shall clear the required windshield zones in accordance with SAE J381 Windshield Defrosting Systems Test Procedure and Performance Requirements – Trucks, Buses, and Multi-purpose Vehicles.

The bidder shall certify that the defrost system design has been tested in a cold chamber and passes the SAE J381 criteria.

CAB HEATER CERTIFICATION

Good cab heat performance and regulation provides a more effective working environment for personnel, whether in-transit, or at a scene. The cab heaters shall warm the cab to 75 degrees Fahrenheit from a cold-soak within 30 minutes when tested using the coolant supply methods found in SAE J381.

	BIDDER COMPLIES	
	YES	NO
The bidder shall certify that a substantially similar cab has been tested and has met this criteria.		

PUMP TEST

The pump shall be tested, approved, and certified at the manufacturer's expense. The test results and the pump manufacturer's certification of hydrostatic test; the engine manufacturer's certified brake horse power curve; and the manufacturer's record of pump construction details shall be forwarded to the Fire Department.

GENERATOR TEST

The generator shall be tested, approved, and certified at the manufacturer's expense. The test results shall be provided to the Fire Department at the time of delivery.

AMP DRAW REPORT

The bidder shall 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 shall provide the following:

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

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

TURNING RADIUS REPORT

Supplied with the bid, shall be a turning radius analysis of the apparatus being proposed. This analysis shall provide the inside turning radius, the outside turning radius, the curb to curb turning radius and the wall to wall turning radius.

ONE (1) YEAR MATERIAL AND WORKMANSHIP WARRANTY

Each new piece of apparatus shall be provided with a minimum one (1) year basic

	BIDDER COMPLIES	
	YES	NO
apparatus material and workmanship limited warranty. The warranty shall cover such portions of the apparatus built by the manufacturer as being free from defects in material and workmanship that would arise under normal use and service. A copy of the warranty certificate shall be submitted with the bid package. **ENGINE WARRANTY** The engine shall come with a **minimum five (5) year or 100,000 mile** warranty provided by the engine manufacturer. A copy of the warranty certificate shall be submitted with the bid package. **THREE (3) YEAR MATERIAL AND WORKMANSHIP WARRANTY** The new chassis shall be provided with a three (3) year material and workmanship limited warranty. The warranty shall cover such portions of the chassis built by the manufacturer as being free from structural failures caused by defects in material and workmanship that would arise under normal use and service. A copy of the warranty certificate shall be submitted with the bid package. **FIFTY (50) YEAR STRUCTURAL INTEGRITY WARRANTY** The chassis frame and crossmembers shall be provided with a fifty (50) year material and workmanship limited warranty. The warranty shall cover the chassis frame and crossmembers as being free from defects in material and workmanship that would arise under normal use and service. A copy of the warranty certificate shall be submitted with the bid package. **FRONT AXLE THREE (3) YEAR MATERIAL AND WORKMANSHIP WARRANTY** Independent front suspension shall be provided with a three (3) year material and workmanship limited warranty. The manufacturer's warranty shall provide that the independent front suspension and steering gears be free from any defect related to material and workmanship on the portion of the apparatus built by the manufacturer that would arise under normal use and service. A copy of the warranty certificate shall be submitted with the bid package. **REAR AXLE TWO (2) YEAR MATERIAL AND WORKMANSHIP WARRANTY** A two (2) year axle limited warranty shall be provided. **TEN (10) YEAR STRUCTURAL INTEGRITY WARRANTY** The new cab shall be provided with a ten (10) year material and workmanship limited warranty. The warranty shall cover such portions of the cab built by the manufacturer as being free from structural failures caused by defects in material and workmanship that would arise under normal use and service.		

	BIDDER COMPLIES	
	YES	NO
All mechanical components of the door shall be warranted to be free from defects in materials and workmanship for the lifetime of the vehicle. All parts covered under this warranty shall be to the original owner. A copy of the warranty certificate shall be submitted with the bid package. **FIVE (5) YEAR MATERIAL AND WORKMANSHIP WARRANTY** The electronic modules and display(s) shall be provided with a five (5) year material and workmanship limited warranty. The warranty shall cover electronic modules to be free from failures caused by defects in material and workmanship. A copy of the warranty certificate shall be submitted with the bid package. **LIFETIME MATERIAL AND WORKMANSHIP WARRANTY** The poly water tank shall be provided with a lifetime material and workmanship limited warranty. A copy of the warranty certificate shall be submitted with the bid package. **TEN (10) YEAR STRUCTURAL INTEGRITY WARANTY** Each new piece of apparatus shall be provided with a ten (10) year material and workmanship limited warranty on the apparatus body. The warranty shall cover such portions of the apparatus built by the manufacturer as being free from defects in material and workmanship that would arise under normal use and service. A copy of the warranty certificate shall be submitted with the bid package. **SIX (6) YEAR MATERIAL AND WORKMANSHIP WARRANTY** The pump and its components shall be provided with a six (6) year material and workmanship limited warranty. The manufacturer's warranty shall provide that the pump and its components shall be free from failures caused by defects in material and workmanship that would arise under normal use and service. A copy of the warranty certificate shall be submitted with the bid package. **TWO (2) YEAR GENERATOR MATERIAL AND WORKMANSHIP WARRANTY** A 2 year generator limited warranty shall be provided. **TEN (10) YEAR PRO-RATED PAINT AND CORROSION WARRANTY** Each new piece of apparatus shall be provided with a ten (10) year pro-rated paint and corrosion limited warranty on the apparatus cab. The warranty shall cover painted exterior surfaces of the body to be free from blistering, peeling, corrosion, or any other adhesion defect caused by defective manufacturing methods or paint material selection that would arise under normal use and service.		X

	BIDDER COMPLIES	
	YES	NO
A copy of the warranty certificate shall be submitted with the bid package.		
CAB WARRANTY The bidder shall furnish a ten (10) year cab warranty. The warranty shall cover defects in design or workmanship in the cab tubular support and mounting supports and other cab structural components.		
A copy of the warranty shall be submitted with the bid.		
ROLL-UP DOOR WARRANTY The roll-up doors exterior paint finish shall be warranted against blistering, peeling, bubbling, lack of adhesion or any other manufacturing or material defect for a period of **six (6) years**.		
The roll-up doors shall also be warranted against corrosion perforation for a period of **ten (10) years**.		
THREE (3) YEAR MATERIAL AND WORKMANSHIP WARRANTY The gold leaf lamination shall be provided with a three (3) year material and workmanship limited warranty. The warranty shall cover the imitation gold leaf lamination as being free from defects in material and workmanship that would arise under normal use and service.		
A copy of the warranty certificate shall be submitted with the bid package.		
ELECTRONIC STABILITY CONTROL, ANTI-LOCK BRAKE SYSTEM, & AUTOMATIC TRACTION CONTROL WARRANTY The ABS/ATC system shall come with a three (3) year or 300,000 mile parts and labor warranty provided by the system manufacturer.		
FRAME WARRANTY The frame rails and cross members shall be guaranteed for the **life of the vehicle,** which is estimated to be 50 years, against defects in design, material or workmanship.		
A copy of the fire apparatus manufacturer's warranty shall be included with the bid.		
FRONT AXLE WARRANTY The front axle and suspension shall have a minimum three (3) year parts and labor warranty.		
REAR AXLE WARRANTY The rear axle and suspension shall have a minimum two (2) year unlimited mileage warranty.		

	BIDDER COMPLIES	
	YES	NO
TRANSMISSION COOLER WARRANTY The transmission cooler shall carry a five (5) year parts and labor warranty (exclusive to the transmission cooler). In addition, a collateral damage warranty shall also be in effect for the first three (3) years of the warranty coverage. **TRANSMISSION WARRANTY** The transmission shall have a five (5) year/unlimited mileage warranty covering 100 percent parts and labor. The warranty is to be provided by transmission supplier and not the apparatus builder. **STEERING WARRANTY** The steering system shall have a three (3) year parts and labor warranty. **PUMP PLUMBING WARRANTY** The stainless steel plumbing components and ancillary brass fittings used in the construction of the water plumbing system shall be warranted for a period of **ten (10) years or 100,000 miles**. This covers structural failures caused by defective design or workmanship, or perforation caused by corrosion. This warranty is extended only to the original purchaser for a period of ten (10) years from the date of delivery. A copy of the warranty shall be submitted with the bid. **CONTROL SYSTEM WARRANTY** The control system modules, membrane switches, and display(s) shall be warranted against defective materials or workmanship for a period of **five (5) years** from the date of delivery to the original purchaser. The warranty shall also include a standard repair time for covered components. **SOLID-STATE CONTROL SYSTEM** Complete operating and troubleshooting manuals. **VEHICLE DATA RECORDER** A CD provided with the apparatus shall include the programming to download the information from the VDR. A USB cable can be used to connect the VDR to a laptop to retrieve required information. **SERVICE VIDEO TAPE** Documentation provided at the time of delivery shall also include an apparatus safety video, in DVD format. This video shall address key safety considerations for personnel to follow when they are driving, operating, and maintaining the apparatus. Safety procedures for the following shall be included: vehicle pre-trip inspection, chassis operation, pump operation, and maintenance.		

	BIDDER COMPLIES	
	YES	NO
MANUAL, FIRE APPARATUS PARTS Two (2) custom parts manuals for the complete fire apparatus shall be provided in hard copy with the completed unit. One (1) compact disc (CD) shall also be provided that shall include all of the information from the above manual. **SERVICE PARTS INTERNET SITE** The service parts information included in this manual is also available on the Internet. **ADVANCED DIAGNOSTICS** An advanced, diagnostic software program shall be provided for this control system. The software shall provide troubleshooting tools to service technicians equipped with a computer. **MANUALS,CHASSIS SERVICE** Two (2) chassis service manuals containing parts and service information on major components shall be provided with the completed unit. One (1) compact disk (CD) shall also be provided that shall include all of the information from the above manual. **MANUALS, CHASSIS OPERATION** Two (2) chassis operation manuals shall be provided. One (1) compact disk (CD) shall also be provided that shall include all of the information from the above manual. **PUMP MANUALS** Two (2) pump manuals from the pump manufacturer shall be furnished in compact disc format with the apparatus. Manuals shall cover pump operation, maintenance, overhaul, and parts. **CIRCUIT PROTECTION AND CONTROL DIAGRAM** Copies of all job-specific, computer network input and output (I/O) connections shall be provided with each chassis. The sheets shall indicate the function of each module connection point, circuit protection information (where applicable), wire numbers, wire colors and load management information. A copy of the warranty certificate shall be submitted with the bid package. **ELECTRICAL WIRING DIAGRAMS**		

GREEN RIVER FIRE DEPARMENT SPECIFICATIONS FOR TWO (2) CUSTOM MULTI-PURPOSE RESPONSE PUMPERS	BIDDER COMPLIES	
	YES	NO
Two (2) electrical wiring diagrams, prepared for the model of chassis and body, shall be provided.		

BID FORM

REGISTERED COMPANY NAME Pierce Manufacturing Inc.

STATE OF INCORPORATION Wisconsin

Having carefully read all Request For Bid documents pertaining to the provisioning of a **"TWO (2) CUSTOM MULTI-PURPOSE RESPONSE PUMPERS"** for The City of Green River, Wyoming, we herewith submit this bid.

TWO (2) CUSTOM MULTI-PURPOSE RESPONSE PUMPERS
(Please include exceptions to specifications on the attached sheet and include with bid.)

	Unit Cost	Extended Cost
TWO (2) CUSTOM MULTI-PURPOSE RESPONSE PUMPERS	$ 1,089,689.00	$ 1,089,689.00

Anticipated delivery date: 6 to 7 Month

Pierce Manufacturing Inc.
Company Name

Signature of Bidder

04/28/2011
Submission Date

EXCEPTIONS TO SPECIFICATIONS: (Please list)

Exceptions/Clarifications are excel spreadsheet, next page

Proposal Option List

4/26/2011

Customer :	Green River Volunteer Fire & Rescue	**Bid Number :**	233
Representative :	Larson Sig	**DB Version:**	02.00.0109.0000
Organization :	Front Range Fire Apparatus, Ltd	**Bid Date :**	04/22/2011
Requirements Manager:		**Job Number :**	
Description :	Green River PUC BigBlock		
Body :	Pumper, PUC, Alum		
Chassis :	Velocity Chassis, PUC, (Big Block), 2010		

Line	Option Code	Type	Option Description	Qty
1	0584456		Manufacture Location: Appleton, Wisconsin	1
2	0584452		RFP Location: Appleton, Wisconsin	1
3	0588609		Vehicle Destination, US	1
4	0581836		Boiler Plates, PUC Pumper	1
5	0018007		Single Source Compliance	1
6	0533316		Comply NFPA 1901 Changes Effective Jan 1, 2009, With Exceptions	1
7	0533347		Pumper/Pumper with Aerial Device Fire Apparatus	1
8	0588611		Vehicle Certification, Pumper	1
9	0588621		Agency, Apparatus Certification, Pumper/Tanker, U.L.	1
10	0008021		Combination Department	1
11	0536644		Customer Service Website	1
12	0537375		Unit of Measure, US Gallons	1
13	0000000	STF	Inspection trip #1 - when - number of people Location - pre construction confrence Qty, - 03	3
14	0000000	STF	Inspection trip #2 - when - number of people Location - final inspection Qty, - 03	3
15	0000035		Bid Bond, 5%	1
16	0582800		Performance Bond, 100 Percent w/25 Percent Warranty Bond, 1 Yr, and Payment Bond	1
17	0000007		Approval Drawing	1
18	0564230		Velocity Chassis, PUC, (Big Block), 2010	1
19	0000110		Wheelbase Wheelbase - 215.00"	1
20	0000070		GVW Rating GVW rating - 53,800 lbs	1
21	0000203		Frame Rails, 13.38 x 3.50 x .375, DLX/Qtm/Enf/AXT/Imp/Vel/Dash CF	1
22	0060637		Frame Liner, Inv "L" 12.68" x 3.00" x .25", AXT/Vel/Imp/Dash CF, Full Length	1
23	0508849		Axle, Front, Oshkosh TAK-4, Non Drive, 22,800 lb, Imp/Vel/Dash CF	1
24	0010427		Suspension, Front TAK-4, 22,800 lb, DLX/Enf/Qtm/AXT/Imp/Vel/Dash CF	1
25	0087572		Shock Absorbers, KONI, on TAK-4 DLX/Qtm/AXT/Enf/Imp/Vel/Dash CF	1
26	0000322		Oil Seals, Front Axle	1
27	0594821		Tires, Front, Goodyear, G296 MSA, 425/65R22.50, 20 ply	1
28	0019611		Wheels, Front, Alcoa, 22.50" x 12.25", Aluminum, Hub Pilot	1
29	0530467		Axle, Rear, Meritor RS30-185, 31,000 lb, Imp/Vel/Dash CF	1
30	0564547	SP	Top Speed of Vehicle, Non-NFPA Compliant, Geared For 75, Speed Limited To 68 MPH	1
31	0122074		Suspen, Rear, Standens, Spring, 31,000 lb, Imp/Vel/Dash CF, Non-Rescue	1
32	0000485		Oil Seals, Rear Axle	1
33	0599205		Tires, Rear, Goodyear, Regional RHD II G137, 315/80R22.50, 18 ply, Single	1
34	0019668		Wheels, Rear, Alcoa, 22.50" x 9.00", Aluminum, Hub Pilot, Single	1
35	0568081		Tire Balancing, Counteract Beads	1
36	0545391		Tire Pressure Monitoring Valve Cap Qty, Tire Pressure Ind - 6	1
37	0002000		Chains, Onspot automatic tire, Custom	1
38	0002045		Mud Flaps, w/logo front & rear	1
39	0011930		Tire, "Crossfire" Air Pressure Equalization	1
40	0519105		ESC/ABS/ATC Wabco Brake System, Single Rear Axle	1
41	0030185		Brakes, Knorr/Bendix 17", Disc, Frt, TAK-4, DLX/Enf/Qtm/AXT/Imp/Vel/Dash CF	1
42	0000740		Brakes, Meritor, Cam, Rear, 16.50 x 8.63"	1
43	0058463		Air Compressor, Brake, Bendix 15.8 CFM	1
44	0000786		Brake Reservoirs, Four	1

Line	Option Code	Type	Option Description	Qty
45	0568012		Air Dryer, Wabco System Saver 1200, 2010	1
46	0000790		Brake Lines, Nylon	1
47	0000854		Air Inlet, w/Disconnect Coupling	1
			Location, Air Coupling(s) - a) DS Step Well	
			Qty, Air Coupling (s) - 1	
48	0000820		Moisture Ejector, Automatic, w/Heat	4
			Location - all air tank resorvoirs	
			Qty, Auto. Moisture Eject - 4	
49	0591794		Engine, DDC DD13, 500 hp, 1650 ft-lb, EPA 2010, W/REPTO, Velocity	1
50	0001244		High Idle w/Electronic Engine, Custom	1
51	0590300		Engine Brake, Jacobs, DD13	1
			Switch, Engine Brake - f) DD13	
52	0552334		Clutch, Fan, Air Actuated, Horton Drive Master	1
53	0123135		Air Intake, w/Ember separator, Imp/Vel	1
54	0565965		Exhaust System, 5", 2010 DD13, ISX engine, Horizontal, Officer Side	1
55	0557543		Radiator, Imp/Vel	1
56	0511426		Cooling Hoses, Silicone	1
57	0001125		Fuel Tank, 65 gal	1
58	0001129		Lines, Fuel	1
59	0595087		DEF Tank, 4.5 Gallon, DS Fill, Forward of Rear Axle, DD13, ISL9, ISX	1
60	0552777		Fuel Pump for Repriming	1
61	0552712		Not Required, Shutoff Valve, Fuel Line	1
62	0553019		Cooler, Engine Fuel, Imp/Vel, AXT,Qtm	1
63	0551837		Trans, Allison Gen IV 4000 EVS P, Imp/Vel/CBBC With Prognostics	1
64	0510876		Transmission, Shifter, 6-Spd, Push Button	1
			Trans, ratio - 4000 EVS, 6Spd	
65	0517604		Transmission Programming, Park to Neutral, PUC	1
66	0507303		Transmission Oil Cooler, Champ	1
67	0027844		Fluid, 4000 Series Trans, Allison Approved TES-295 Synthetic, IPOS, Custom	1
68	0001375		Driveline, Spicer 1810	1
69	0691025		Steering, Sheppard M110 w/tilt, TAK-4, TRW Pump, w/ Cooler	1
70	0509231		Steering Wheel, 4 Spoke with Controls	1
71	0690274		Logo/Emblem, on Dash	1
			Text, Row One - GREEN RIVER	
			Text, Row Three - DEPARTMENT	
			Text, Row Two - FIRE	
72	0544802		Chocks, Wheel, SAC-44-E, Folding	1
			Qty, Pair - 01	
73	0544806		Mounting Brackets, Chocks, SAC-44-E, Folding, Horizontal	1
			Location, Wheel chock - driver's side under D3	
			Qty, Pair - 01	
74	0123628		Bumper, Non-extended, Imp/Vel	1
75	0510226		Lift & Tow Package, Imp/Vel, AXT, Dash CF	1
76	0072306		Tow Eyes, Chrome, Extended Out Front of Bumper	1
77	0002232		Gravel Pan, Non-Extended Bumper	1
78	0565523		Cab, Velocity 2010, 7010 Raised Roof, PUC	1
79	0122465		Cab Lift, Elec/Hyd, Imp/Vel	1
80	0123176		Grille, Bright Finished, Front of Cab, Impel/Velocity	1
81	0509756		Bright Finished Housing, Headlights & Front Directional, Velocity	1
82	0087357		Molding, Chrome on side of cab	1
83	0092291		Mirrors, Velvac, 2025 w/convex, heated & remote, w/LED Directional	1
84	0525760		Door, Standard Height, Raised Roof Cab, Brushed Stainless Panel	1
85	0528167		Not Required, Scuffplates, Cab Door, Imp/Vel	1
86	0550229		Storage Pockets w/ Elastic Cover, Recessed, Rotomolded, Imp/Vel	1
87	0510218		Controls, Electric Windows, All Cab Doors, Impel & Velocity	1
88	0555485		Steps, 4-Door Full Tilt Cab, Std, Imp/Vel	1
89	0509649		Lights, Cab and Crew Cab Access Steps, Ri-Tar, LED w/Bezel, 1 Light Per Step	1
0	0002140		Fenders, S/S on cab	1
91	0122479		Window, Side of C/C, Fixed, Imp/Vel	1
92	0552935		Trim, Cab Side Windows, Velocity	1
93	0012090		Not Required, Windows, Front/Side of raised roof	1
94	0509286		Not Required, Windows Rear of Crew Cab, Imp/Vel	1

Line	Option Code	Type	Option Description	Qty
95	0558334		Not Required, Trim, Cab Rear Windows, No Rear Windows	1
96	0199687		Cab Interior, ABS Console, Vinyl Covered Walls, Velocity/CBBC Color, Cab Interior Vinyl/Fabric - a) Silver/Gray	1
97	0509492		Cab Interior, paint color, Imp/Vel Color, Cab Interior Paint - a) gray	1
98	0509532		Floor, Rubber Padded Cab & Crew Cab, Imp/Vel, Dash CF	1
99	0122520		Heater/defroster, Imp/Vel	1
100	0559378		Air Conditioning, Imp/Vel/CBBC	1
101	0543257		Grab Handles, Driver Door Post & Passenger Dash panel, Imp/Vel	1
102	0002526		Light, Engine Compt, All Custom Chassis	1
103	0122516		Fluid Check Access, Imp/Vel, AXT	1
104	0583042		Side Roll and Frontal Impact Protection	1
105	0699999		Not Required, Frontal Impact Protection, 2010	1
106	0699998		Not Required, Side Roll Protection Package, 2010	1
107	0000109		Seating Capacity, Cab Qty, - 06	6
108	0697005		Seat, Driver, Pierce PS6, Premium, Safety, Air Ride Hi-Back	1
109	0696994		Seat, Officer, Pierce PS6, Premium, Safety, Air Ride, SCBA	1
110	0510038		Radio Compt, Behind Frt Passenger Seat, Imp/Vel	1
111	0122183		Seat, Rr Facing C/C, DS Outboard, Pierce PS6, Premium, Safety, SCBA	1
112	0102783		Not Required, Seat, Rr Facing C/C, Center	1
113	0122186		Seat, Rr Facing C/C, PS Outboard, Pierce PS6, Premium, Safety, SCBA	1
114	0199538		Cabinet, EMS, Forward Facing, DS, 21 Wide x 50 High x 14 Deep, Lt Feature Door, EMS Cabinet - Gortite Roll Up Dr, Anod Light, Tall EMS Compt - On Scene, Left Side	1
115	0122746		Seat, Forward Facing C/C, Center, (2) Pierce PS6, Base Safety, SCBA	1
116	0199541		Cabinet, EMS, Forward Facing, PS, 21 Wide x 50 High x 14 Deep, Lt Feature Door, EMS Cabinet - Gortite Roll Up Dr, Anod Light, Tall EMS Compt - Amdor, Both Sides	1
117	0042264		Shelf, Adjustable, EMS Compt, 1.25" Lip Location - forward facing cabinets, three (3) each Qty, Shelf - 06	6
118	0511300		Upholstery, Seats In Cab, All Imperial 1200, Pierce PS6 Color, Cab Interior Vinyl/Fabric - h) Gray/Black	1
119	0543991		Bracket, Air Bottle, Hands-Free II, Cab Seats Qty, - 05	5
120	0553393		Seat Belt Height Adjustment, Imp/Vel, Dash CF Qty, - 05	5
121	0547293		Seat Belts, Red	1
122	0542388		Seat Belt Monitoring System	1
123	0543133		Bracket, Helmet Holder, Zico UHH-1 Qty, Helmet Storage Brkt - 5	1
124	0508437		Lights, Dome, Weldon, Incandescent, Two (2) Lights, Dual Light and Lens	1
125	0509981		Lights, Dome CC, (2) Weldon, Incandescent, Red/Clear, MUX only	1
126	0568369		Cab Instruments, Ivory Gauges, Chrome Bezels, Impel/Velocity 2010, Dash CF	1
127	0509511		Air Restriction Indicator, Imp/Vel, AXT, Dash CF	1
128	0509921		Switching, Cab, Membrane, Impel/Velocity/Quantum, AXT MUX, Dash CF Location, Emerg Sw Pnls - Driver and Pass Side Overhead	1
129	0555915		Wiper control, 2-speed with intermittent, Impel/Velocity, Dash CF	1
130	0548009		Wiring, Spare, 20 A 12V DC, First 12vdc power from - a) battery direct Location - one in each EMS cabinet, centered on rear wall high Qty, - 02 Wire termination - t) terminal strip	2
131	0548004		Wiring, Spare, 15 A 12V DC, First 12vdc power from - a) battery direct Location - two (2) facing the officer seat position and two (2) at the rear of center console facing the crew cab Qty, - 04 Wire termination - p) 15 amp power point plug	4
132	0587116		Wiring, Spare, 10 A 12V DC, Auxiliary Battery, 1st 12vdc power from Aux Battery - a) Aux battery direct	2

SPEC SHOWED 6 HELMET BRACKETS

Line	Option Code	Type	Option Description	Qty
			Location 1 - inside P1	
			Qty, - 02	
			Wire termination - p) 15 amp power point plug	
.33	0087852		Vehicle Information Center, 7" Color Display, MUX	1
134	0543930		Vehicle Data Recorder, Dual Module	1
135	0597940	SP	Install Customer Provided Two-Way Radio Speaker(s)	1
			Location - tbd	
			Qty, - 01	
136	0559156		Install Customer Provided Two-Way Radio(s)	1
			Location - center dash on swivel accessible to both seats, stack with the AM/FM radio on swivel	
			Qty, - 01	
137	9999999	SCC	Speakers, Two Way Radio, Green River	1
138	0022853		Antenna, Mount Only, For 2-way Radio Std, DLX/Enf/AXT/IMP/VEL/Dash CF	1
139	0509965		Pierce Command Zone, Advanced Electronics and Control System, Diagnostic LEDs	1
140	0079166		Batteries, (4) Exide Grp 31, 950 CCA each, Threaded Stud	1
141	0008621		Battery System, Single Start, All Custom Chassis	1
142	0123174		Battery Compartment, Imp/Vel	1
143	0531338		Charger, Sngl Sys, Kussmaul, Pump Plus 1200, 091-9-1200	1
144	0012781		Location, Charger/Compr, Front left body compt	1
145	0536099		Location, Battery Charger Indicator, Driver's Step Area	1
146	0016856		Shoreline, 15A 120V, Kussmaul Auto Eject, "Super"	1
			Color, Kussmaul Cover - d) yellow	
			Connection, Shoreline - battery charger	
			Qty, Shoreline - 1	
147	0026800		Shoreline Location	1
			Location, Shoreline (s) - 25) DS Cab Side	
148	0566294		Alternator, 430 amp, Niehoff C680-1	1
149	0092582		Load Manager/Sequencer, MUX	1
			Enable/Disable Hi-Idle - d)High Idle disable	
150	0511224		Lighting, FMVSS, Cab, Ri-Tar LED Clrnc/ID, Imp/Vel	1
151	0519378		Light, Front Zone, Whelen Super 600 LED, 1pr, VEL/IMP	1
			Color,Whln Sup600 LED - h) DS rd/cl. PS bl/cl	
			Flange Kit, Whelen 6E - w)6E or 64 Flange Kit	
152	0589905		Alarm, Back-up Warning, PRECO 1040	1
153	0032773		Manuals, Two (2), Fire Apparatus Parts, & (1) CD, Custom Chassis	1
154	0032421		Manuals, Two (2) Chassis Service & (1) CD, Custom	1
155	0029551		Manuals, Two (2) Chassis Operation, & (1) Compact Disc, Custom	1
156	0038081		Electrical Diagrams, 12V As-Built on CD, Custom Chassis Pumper, Multiple Unit	1
			Diagrams, Hard Copy - Two hard copies	
			Mult Trk Cr, Cust - Two (2) Truck Order	
157	0545073		Amp Draw Report, NFPA 2009 Edition	1
158	0002758		Amp Draw, NFPA Radio Allowance	1
159	0518282		Pumper, PUC, Alum	1
160	0554271		Body Skirt Height, 20"	1
161	0516514		Tank, Water, 1000 Gallon, Poly, Rectangular Form Fitting, PUC	1
162	0003405		Overflow, 4" Water Tank, Poly	1
163	0028107		Not Required, Foam Cell	1
164	0044431		Sleeve through Tank - Up to 3" Plumbing	2
			Qty, Sleeve - 2	
165	0553729		Not Required, Restraint, Water Tank, Heavy Duty	1
166	0003429		No Direct Tank Fill Req'd	1
167	0003424		(No Dump Valve required)	1
168	0048710		Jet Assist Not Req'd	1
169	0030007		(No Dump Chute Required)	1
170	0514778		Not Required, Switch, Tank Dump Master	1
171	0597043		Body Height, PUC	1
			Body Height - 92.00"	
172	0199241		Hose Bed, Alum, Pumper, PUC	1
173	0003482		Hose bed Capacity, Additional	1
			Capacity, Hosebed - 1000' of 5", 400' of 2.5"	
174	0003488		Divider, Unpainted Hose Bed	2

Line	Option Code	Type	Option Description	Qty
			Qty, Hosebed Dividers - 2	
175	0589278		Hose Restraint, Hosebed, Velcro Strap on Top, 2" Heavy Nylon Web at Rear	1
			Nylon Web Color - Black	
			Type of fastener - seat belt buckle	
			Type of fastener, Rear - seat belt buckle - bottom of hosebed	
176	0525658		Runningboard, PUC	1
177	0545026		Tailboard, Folding, Space Saver - Treadplate, PUC, Smooth Aluminum Rear Wall	1
178	0092940		Tow Bars, (2) w/Hitch Receiver, Rear/Sides, Under Body	1
			Connection, Trailer - Trailer Hydraulic Brakes	
179	0518286		Construction, Compt, Alum, Pumper, PUC	1
180	0515256		DS 214" Rollup, (1) 31" (1) 50.5" Fwd, (1) 52" RR, Full Hght&Dpth, Ft&Rr, PUC	1
181	0515258		PS 214" Rollup, (2) 42" Fwd, (1) 52" RR, Full Hght&Dpth, Ft&Rr, PUC	1
182	0041165		Doors, Roll-up, Gortite, Painted and/or Locking, Side Compartments	6
			Color,Gortite,Roll-upDoor - Painted	
			Latch, Gortite, Roll-up - Non-locking Liftbar	
			Qty, Door Accessory - 06	
183	0515271		Rear - Rollup Dr/39.50" FF, PUC	1
184	0515445		Door(s), Swing Tailboard/Roll-up, Gortite, Satin Finish, Rear Compt, PUC	1
			Latch, Gortite, Roll-up - Non-locking, rear	
185	0515685		214" Hatch, (2) Lift-up, 21" Wide, Both Sides, PUC	1
			Size, Hatch Compt, Height - 22.00"	
186	0553888		Tray, 500 lb Slide-out, 2" Sides, Painted, Adj. Height, 3G	4
			Location - R1, D1, P1 and P3	
			Qty, Tray (slide-out) - 04	
187	0544614		Toolboard, Swing-out, Alum, .188", Peg Board, 3G	2
			Finish - Painted	
			location - splitting compartment D2, P2	
			Location, Pivot - Back	
			Mounting, Toolboard - Adjustable Frt-back	
			Qty - 2	
188	0555437		Toolboard, Slide-out, Alum, .188", Peg Board, Painted, 3G	1
			location - D3 lower section	
			Mounting, Toolboard - Stationary	
			Qty - 1	
189	0557360	SP	Equipment Storage,Trans, Above Xlays, No Door, w/Backboard Storage, PUC	1
190	0553396		Shelf Tracks, Recessed, PUC	1
191	0699912		Shelves, Adjustable, 500 lb Capacity, Painted, Full Width/Depth, 3rd Gen	6
			Location, Shelf - 1-P1, 1-P2, 2-P3, 1-D1 upper, 1-D3 upper	
			Qty, Shelf - 06	
192	0063064		Rubrail, Aluminum Extruded, Side of Body, 3rd Gen Body	1
193	0515441		Fender Crowns, Rear, S/S, W/Removable Fender Liner, Pumper, 3rd Gen	1
194	0004069		Hose, Hard Suction, 6.00", Clear Corrugated PVC	2
			Qty, Hard Suction Hose - 2	
195	0519748		Troughs, H.S.H. Horz in Hose Bed, (2), One Side, PUC	1
			Location, driver's/passen - passenger's	
196	0022041		No Handrails Req'd @ Side Pump Panel, No Pump Module	1
197	0521763		No Handrail, Req'd, Beavertail, PUC	1
198	0000941		No Handrail, Rear Above Hose Bed Req'd.	1
199	0518611		Compt, Air Bottle in Fender Panel, S/S, PUC	4
			Location, Bracket/comp. - four (4) air bottle compartments each side, wheel wells	
			Qty, Air Bottle Comp - 4	
200	0692930		Compartment, Air Bottle w/ DEF Tank, Single, Fender Panel, Stainless Door, PUC	1
201	0062640		Insert, Air Bottle Compt, "W" Shaped	3
			Qty, - 03	
202	0004225		Ladder, 24' Duo-Safety 900A 2-Sect	1
203	0004230		Ladder, 14' Duo-Safety 775A Roof	1
204	0568383		Rack, Ladders, in DS Full Depth Body, PUC, Smooth Aluminum Door	1
5	0014245		Ladder, Folding, 10' 585A, Duo-Safety, w/Mtg	1
			Location, Fold Ladder - d) Ladder comp	
206	0533377		Pole, Pike 8', Pumper, Provided by Fire Department	1
207	0533375		Pike Pole, 6', Pumper, Provided by Fire Department	1
208	0553825	SP	Compt, Fld Ldr In Upper Body (1) DS, Pike Poles (1) PS, PUC, Sm Alum	1

Line	Option Code	Type	Option Description	Qty
209	0521734		No Steps Required, Front Of Body, PUC	1
210	0515519		Ladder, Top Access, Alum, RH Rear, PUC	1
211	0515695		Pump, Pierce, 1500 Single Stage, PUC	1
212	0515822		Mechanical Seals, Silicon Carbide	1
213	0091446		Pump Setup Charges N/A	1
214	0515705		Gearcase, Pierce Pump, REPTO-Clutch Drive	1
215	0521309		Pumping Mode, Pump and Roll/Stationary, Basic, PUC	1
216	0515829		Pump Shift, Sure-Shift	1
217	0515833		Transmission Lock-up, Not Req'd, Park to Neutral, Pump, PUC	1
218	0515835		Auxiliary Cooling System, PUC	1
219	0014486		(No Transfer Valve Required on 1 Stage Pump)	1
220	0013050		Valve, Relief Intake, Akron	1
221	0515838		Controller, Pressure, Pierce, PUC	1
222	0516742		Primer, Pierce, for PUC	1
223	0522549		Temperature Relief System, Pierce Pump	1
224	0516694		Manuals, Pump (2), CD, Pierce Pump	1
225	0519952		Plumbing, Stainless Steel & Hose, PUC	1
226	0089437		Plumbing without Foam System	1
227	0517852		Inlets, 6.00" - 1500 GPM, Pierce Pump	1
228	0004646		Cap, Long Handle Pump Inlet, NST - VLH	1
229	0084610		Valves, Akron 8000 series- All	1
230	0004660		Inlet, LH Side, 2.50" gated	1
231	0004680		Inlet, RH Side, 2.50" gated	1
232	0520002		Valve, Inlet(s) Recessed, Side Cntrl, PUC	2
			Qty, Inlets - 2	
233	0004700		Inlet Control At Valve	1
234	0092569		No Rear Inlet (Large Dia) Requested	1
235	0092696		No Rear Suction Cap	1
236	0064116		No Rear Inlet Actuation	1
237	0009648		No Rear Intake Relief Valve Req'd	1
238	0092568		No Rear Inlet (auxiliary) Requested	1
239	0563738		Valve, .75 Bleeder, Aux. Side Inlet, Swing Handle	1
240	0520277		Line, (1) 3.00" Valve/ 4" PlbTank to Pump, PUC	1
241	0595508		Outlet, 1.50" Tank Fill, PUC	1
242	0516755		Outlet(s), LH Side, 2.50" (2), PUC	1
243	0556669		Outlet(s), RH Side, 2.50", (1), Electric Control, PUC	1
244	0556677		Outlet, 4" w/4" Valve, Right Side, Akron valve, Electric, PUC	1
245	0092572		No Front Outlet Requested	1
246	0092575		No Rear Outlet Requested	1
247	0537394		No Rear Outlet (Added) Requested	1
248	0085076		Caps for 1.50" - 3.00" Discharges - VLH	1
249	0563739		Valve, .75 Bleeder, Discharges, Swing Handle	1
250	0055095		Not Required, 2.5" Elbows, LH	1
251	0021134		Not Required, Elbows, RH	1
252	0045099		No Elbows Req'd, Rear Outlets	1
253	0537395		No Elbows Req'd, Added Rear	1
254	0527969		Cap, 4.00", IPO Elbow, Large Diameter Discharge	1
255	0552943		Control, Outlets, Swing Handle, Elect PS Outlets, Akron 9315, Press Display, PUC	1
256	0516860		Outlet, 3.00" Deluge (Riser) w/2.50" Valve, PUC	1
257	0029302		No Monitor Requested	1
258	0029304		No Nozzle Req'd	1
259	0005070		Deluge Mount, NPT	1
260	0516873		Crosslays, Low Mount, (2) 1.50", Std. Cap, W/Poly Trays, PUC	1
261	0516878		Crosslay, (1) 2.50" Std Cap, W/ Poly Tray, PUC	1
262	0533672		Not Required, Hose Restraint, Crosslay, PUC	1
263	0692796		Doors, Crosslay, Roll-up Gortite, Each End, Full Height, PUC	1
			Color,Gortite,Roll-upDoor - Painted	
			Latch, Gortite, Roll-up - Non-locking Liftbar	
264	0554244		Raised Crosslays, 4.00" Higher than Standard, PUC	1
265	0015216		Reel, Booster, Aluminum - Over Pump, Pass Side	1
266	0007666		Switch, Reel Rewind - One at Reel, Spcl Loc	1
			Location - PS near reel	

Line	Option Code	Type	Option Description	Qty
267	0075300		Hose, Booster - 100' of 1.00"/800 PSI	1
268	0005244		Capacity, Hose Reel 200' of 1"	1
269	0007428		Nozzle for Booster Reel Not Req'd	1
270	0005326		Blowout, Hose Reel - Valve at Panel	1
271	0044333		Not Required, Foam System	1
272	0012126		Not Required, CAF Compressor	1
273	0552517		Not Required, Refill, Foam Tank	1
274	0042573		Not Required, Foam System Demonstration	1
275	0045465		Not Required, Foam Tanks	1
276	0091110		Not Required, Foam Tank Drain	1
277	0091079		Not Required, Foam Tank #2	1
278	0091112		Not Required, Foam Tank Drain	1
279	0515692		Pump Operators Panel, 31", " Control Zone", PUC	1
280	0032479		Pump Panel Configuration, Control Zone	1
281	0516975		Panel, Pump, Gauge, Operators, Brushed S/S, PUC	1
282	0516978		Pump and Plumbing Access, Simple Tilt Service, PUC	1
283	0520016		Not Required, Pumphouse Structure, PUC	1
284	0516983		Engine Indicators, Included With Pierce Pressure Controller, PUC	1
285	0005601		Throttle Included w/ Pressure Controller	1
286	0549333		Indicators, Engine, Included with Pressure Controller	1
287	0511078		Gauges, 4" Master - Class 1, 30"-0-600psi	1
288	0511100		Gauge, 2.0" Pressure - Class 1, 30"-0-400psi	1
289	0517009		Gauge, Water Level, Pierce, In pressure Controller, W/ Mini Slave, PUC	1
290	0055163		Water Level Gauge, Whelen PSTANK, LED 1-Light, 4-Level	2
			Activation, Water Level G - pb)parking brake is set	
			Location - each side of cab, to the rear of the doors	
			Qty, - 02	
291	0006774		Not Required, Foam Level Gauge	1
292	0520243		Light, Pump Operator/Pump Panel, Side Ctrl, PUC	1
293	0509732		Electrical, Impel/Velocity/Contender Big Block/Dash CF	1
294	0556337		Lights, Step, Ri-Tar Model M27HW2 Super LED at Rear Tailboard	1
295	0517025		Lights, Tail, Wrap-around, Three LED Lights	1
296	0085910		Lights, Backup Included in Signal Cluster	1
297	0563675		Lights, Identification/Clearance, Rear, Truck-Lite, (7) Model 33	1
298	0521285		Light, Directional/Marker, Intermediate Light, Truck-Lite Model 60115Y LED	1
299	0543751		Light, Do Not Move Apparatus	1
			Alarm, Do Not Move Truck - n)no alarm	
300	0509042		Messages, Open Door/Do Not Move Truck, Imp/Vel, AXT, CBBC MUX, Dash CF	1
301	0545074		Lights, Compt, Amdor, LED, Dual Light Strips, Each Side of Door	7
			Location - all body compartments	
			Qty, - 07	
302	0538215		Lights, Hatch Compt, Amdor, Luma, PUC	1
303	0520326		Light, Pump Compt, PUC	1
304	0057865		Lights, Perimeter Scene Cab Exits, Truck-Lite, Model 60	1
			Cab, Perimeter Scene - Cab, 4dr Custom	
305	0057863		Lights, Perimeter Scene, Truck-Lite 60 (4) Lts, Pump Panel/Rear Step Area	1
			Switch, Location, Perim - Parking brake	
306	0550198		Lights, Side Scene, Code 3, 41Z26 Halogen 26 Deg, First	2
			Location, lights - driver side hatch compartment, forward and rear corner	
			Qty, - 02	
			Switch, Lt Control 1 DC,1 - a) DS Switch Panel	
			Switch, Lt Control 2 DC,2 - e) No Control	
			Switch, Lt Control 3 DC,3 - d) No Control	
			Switch, Lt Control 4 DC,4 - d) No Control	
307	0549959		Lights, Rear Scene, Code 3, 41Z26 Halogen 26 Deg	2
			Location, lights - high on back of the body	
			Qty, - 02	
			Switch, Lt Control 1 DC,1 - a) DS Switch Panel	
			Switch, Lt Control 2 DC,2 - e) No Control	
			Switch, Lt Control 3 DC,3 - d) No Control	
			Switch, Lt Control 4 DC,4 - d) No Control	
308	0550197		Lights, Side Scene, Code 3, 41Z26 Halogen 26 Deg, Second	2

Line	Option Code	Type	Option Description	Qty
			Location, lights - passenger side hatch compartment, forward and rear corner	
			Qty, - 02	
			Switch, Lt Control 1 DC,1 - a) DS Switch Panel	
			Switch, Lt Control 2 DC,2 - e) No Control	
			Switch, Lt Control 3 DC,3 - d) No Control	
			Switch, Lt Control 4 DC,4 - d) No Control	
309	0517029		Light, Deck, Unity AG, Frt HB, Code-3, 41*15 Work Lights, PUC	1
			Flange Kit - w)with flange	
			Switch, Scene Lt Cntrl - a)driver sw panel	
310	0544440		Handlights, (2), Streamlight, LiteBox, 12v, Orange	1
			Location, lights - on the PUC notch below forward facing EMS cabinet, each side	
311	0545928		Handlight, Streamlight, SL-20X-LED, 12v DC Charge Cord	1
			Location, lights - Officer's seat	
			Qty, Lights - 01	
312	0540118		Camera, Safety Vision, Pierce Display, Rear Camera Only	1
			Camera System Audio - Speaker Behind Driver	
313	0066052		Air Horns, (2) Grover in Bumper Outside Frame	1
			Location, Air Horn (bmpr) - in bumper, out side of frames	
314	0006061		Control, Air Horn, Lanyard	1
			Location, air horn contro - b) passenger side	
315	0006133		Siren, Code 3 3692 100W or 200W	1
316	0510206		Location, Elect Siren, Recessed Overhead in Console	1
			Location, Elec Siren - Overhead, Above Eng Tunnel DS	
317	0006145		Control, Elec Siren, Horn Ring, PS Foot Sw	1
318	0550213		Speaker, Code-3 PB100C, Chrome	1
			Connection, Speaker - siren head	
			Qty, Speakers - 1	
319	0548352		Location, Recessed in the Front Bumper, Driver Side	1
320	0581848	SP	Lightbar, Whelen, Freedom, FN**QLED, 3-R, 3-B, 1-RC, 1-BC	1
			Color, Lens, LED's - m)match LED's	
			Length, Wln Lightbar - 93"	
321	0579948	SP	Lights, Side Zone Lower, Whelen Super 60*02F*R LED, 2pr, Blue/Red	1
			Flange Kit, 2pr - w/with a flange	
			Location, lights frt side - b)each side bumper	
			Location, lights rear - cab corners	
322	0076758		Lights, Rear Zone Lower, Whelen Super 600 LED	1
			Color,Whln Sup600 LED - j) DS bl/cl, PS rd/cl	
			Flange Kit - w)with flange	
323	0537420	SP	Light, Rear Zone Upper, Whelen L31H*F LED Beacon, Blue DS/ Red PS, Lens Choice	1
			Color, Lens, LED's - c)clear	
324	0006551		Not Required, Lights, Rear Upper Zone Blocking	1
325	0016610		Mtg, Rear Warn Lts, Std Mount, S/S Brkts	1
326	0530715		Light, Traffic Directing, Whelen TA837M, 44.00" Long LED	1
			Activation, Traffic Dir L - e)with emergency master	
327	0529860		Location, Traf Dir Lt, Surface Mounted Over Rear Door	1
328	0529654		Location, Traf Dir Lt Controller, Heavy Duty Swivel Bracket Centered	1
329	0006646		Electrical System, A/C, General Design	1
330	0516617		Generator, Harrison 8kW MCR Hydraulic, Hot Shift PTO	1
			Generator Interlocks - Parking Brake	
331	0517171		Location, Hydraulic, Cargo Area, Front of Body, PRM/PUC	1
			Location, Generator - D/S Hatch Compt	
332	0016752		Starting Sw, Truck Engine Powered Gen, Cab Sw Pnl	1
333	0016757		Not Required, Remote Start, Generator	1
334	0016740		Not Required, Fuel System	1
335	0016767		Not Required, Oil Drain Extension, Generator	1
336	0016771		Not Required, Routing Exhaust, Generator	1
337	0520107		Circuit Breaker Panel, Included With PTO Generator, PUC	1
8	0536587	SP	Mount, PTO, top port of pump, PUC	1
339	0588185		Electrical Diagrams, AC (Alternating Current) As-Built	1
			Diagrams, Hard Copy - Two hard copies	
340	0020064		Light, FRC, 750W 120V, FCA530-S75, Bottom Raise, Side Mt., Focus, loc feature	2
			Location, 120/240 Volt Lt - location TBD at Precon	

Line	Option Code	Type	Option Description	Qty
			Qty, 120/240 Volt Light - 2	
			To Do Not Move Truck Lt - c) Connected to Lt	
341	0006825		Reel, Elect Cable, Hannay, 1600, (3) Wire	2
			Finish, Reel - Painted Gray	
			Location, Cord Reel - reel mounted protruding into hatch compartment above D1 and P1.	
			Qty, Cord Reels - 2	
			Reel Guide - b) Captive roller	
342	0006828		Cord, Electric, 10/3 Yellow, 3 Wire	2
			Connection, Cord - Direct connection	
			Feet of Yellow Cord - e)200	
			Lengths of Elect Cord - 2	
343	0066843		Box, Junc, Akron, 1) 20A 120V Dup SB, 3) 20A 120V TL	2
			Connection, Cord - Direct connection	
			Qty, - 02	
344	0006792		Receptacle, 15A 120V 3-Prong TL	2
			Location, Receptacles - front of rear wheel well each side	
			Qty, Receptacles - 02	
345	0076794		Receptacle Strip, 20A 120V Outlet, 6-Place	2
			Location, Receptacles - one (1) in each EMS cabinet, powered by Kussmaul.	
			Qty, Receptacles - 02	
346	0036622		Receptacle, 20A 120V 3 Prong SB Dup, GFI, Wtrprf	2
			Location, Receptacles - located R1 back wall high, powered by generator	
			Qty, Receptacles - 02	
347	0519934		Not Required, Brand, Hydraulic Tool System	1
348	0007150		Bag of Nuts and Bolts	1
			Qty, Bag Nuts and Bolts - 1	
349	0532883		NFPA Required Loose Equipment, Pumper, Provided by Fire Department	1
350	0519913		Not Required, Soft Suction Hose	1
351	0007028		Strainer, 6.00"	1
352	0533269		Extinguisher, Dry Chemical, Pumper, Provided by Fire Department	1
353	0533278		Extinguisher, 2.5 Gal. Pressurized Water, Pumper, Provided by Fire Department	1
354	0532921		Axe, Flathead, Pumper, Provided by Fire Department	1
355	0532924		Axe, Pickhead, Pumper, Provided by Fire Department	1
356	0559682		Paint, Two Tone, Cab, w/Shield, Custom Cab	1
			Paint Color, Upper Area - white#10	
			Paint, Color - lime/yellow	
357	0017242		Paint Chassis Frame Assy. Job Color	1
358	0516422		Not Required, Paint, Aluminum Wheels	1
359	0007230		Compartment paint, Spatter gray	1
360	0544175		Reflective Band, 2"-4"-2"	1
			Color, Reflect Band - A - f) green	
			Color, Reflect Band - B - l) white	
			Color, Reflect Band - C - w) white	
361	0510041		Reflective across Cab Face, Imp/Vel	1
362	0562797	SP	Stripe, Chevron, Rear, Reflective, Non-NFPA Colors, Pumper, PUC	1
			Color, Reflect Band - A - b) red	
			Color, Reflect Band - B - l) white	
363	0027341		Jog, In Reflective Stripe, Single or Multiple	3
			Qty, - 03	
364	0017359		Stripe, Black Outline, Vinyl on Reflective Band	6
			Qty, - 06	
365	0065687		Stripe, Reflective, Cab Doors Interior	1
			Color, Reflective - a) white	
366	0027372		Lettering Specifications, (GOLD STAR Process)	1
367	0087246		Lettering, Gold Leaf 4" w/outline & shade (41-60)	1
368	0516701		Emblem, American Flag Painted on Cab Grille, All Custom Chassis	1
9	0030008		Warranty, Basic, 1 Year, Apparatus, WA0008	1
370	0553301		Warranty, Chassis, 3 Year, Velocity/Impel, WA0037	1
371	0595767		Warranty, Frame, 50 Year, Velocity/Impel, Dash CF, WA0038	1
372	0595245		(No Pick Required)	1
373	0595698		Warranty, Axle, 3 Year, TAK-4, WA0050	1

Line	Option Code	Type	Option Description	Qty
374	0530524		Warranty, Axle, 2 Year, Meritor, General Service, WA0046	1
375	0019914		Warranty, Structure, 10 Year, Custom Cab, WA0012	1
376	0595813		Warranty, Paint, 10 Year, Cab, Pro-Rate, WA0055	1
377	0524627		Warranty, Electronics, 5 Year, MUX, WA0014	1
378	0046369		Warranty, 5-year EVS Transmission, Standard Custom, WA0187	1
379	0003401		Warranty, Water Tank, Lifetime, UPF, Poly Tank, WA0036	1
380	0596025		Warranty, Structure, 10 Year, Body, WA0009	1
381	0516693		Warranty, Pump, 6 Year, PUC, WA0039	1
382	0032998		Warranty, 10 Year S/S Pumbing, WA0035	1
383	0595588		Warranty, Generator, 2 Year, Harrison Hydra-Gen, WA0051	1
384	0595820		Warranty, Paint, 10 Year, Body, Pro-Rate, WA0057	1
385	0595421		Warranty, Goldstar, 3 Year, Apparatus, WA0018	1
386	0568415		Certification, Engine Installation, Velocity, DDC DD13, CD0087	1
387	0543951		Certification, Cab Integrity, Velocity	1
388	0548950		Certification, Cab Door Durability, Velocity/Impel, CD0001	1
389	0548967		Certification, Windshield Wiper Durability, Impel/Velocity, CD0005	1
390	0548951		Certification, Electric Window Durability, Velocity/Impel, CD0004	1
391	0549273		Certification, Seat Belt Anchors and Mounting, Velocity/Impel/CBBC	1
392	0548947		Certification, Cab Heater and Defroster, Velocity/Impel, CD0015	1
393	0548940		Certification, Cab Air Conditioning Performance, Velocity/Impel, CD0016	1
394	0000048		Engineering Attribute - PUMPER/TANKER, 3rd Gen	1
395	0000012		PIERCE CHASSIS	1
396	0562778		DD13 ENGINE	1
397	0046396		EVS 4000 Series TRANSMISSION	1
398	0520324		PIERCE PUMP	1
399	0020009		POLY TANK	1
400	0028047		NO FOAM SYSTEM	1
401	0020006		SIDE CONTROL	1
402	0020007		AKRON VALVES	1
403	0020015		ABS SYSTEM	1

City of Green River
City Council Meeting
Agenda Documentation

Preparation Date: June 29, 2011	Department: Police
Meeting Date: July 5, 2011	Department Head: John Love
	Presenter: CONSENT AGENDA

Subject: Approval of the Contract with Plan One Architects for Police Department Building

Purpose Statement:

To approve the contract with Plan One Architects for the design and to oversee the bidding and construction for the new Police Department Building Project

Background/Alternatives:

Plan One Architects designed the original Winter building and have prior knowledge of the current structure and the needs of the Green River Police Department. Plan One has already completed preliminary designs and drawings for the new structure.

The governing body approved funding for the contract by Resolution 11-17 in the amount of $125,000 on May 17, 2011.

Attachments:

Agreement for Plan One Architects

Fiscal Impact: $125,000

Staff Impact: None

Legal Review: Pending Legal Review

Recommendation:

Approval of the agreement with Plan One Architects

Suggested Motion:

I MOVE to approve the agreement with Plan One Architects to design and oversee the bidding and construction for the new Police Department Building Project in the amount of $125,000

AIA® Document B101™ – 2007

Standard Form of Agreement Between Owner and Architect

AGREEMENT made as of the Twelfth day of May in the year Two Thousand Eleven
(In words, indicate day, month and year.)

BETWEEN the Architect's client identified as the Owner:
(Name, legal status, address and other information)

City of Green River
50 East 2nd North
Green River, Wyoming 82935
Telephone Number: (307) 872-0500

and the Architect:
(Name, legal status, address and other information)

Plan One/Architects
4020 Dewar Drive, Suite A
Rock Springs, WY 82901
Telephone Number: (307) 352-2954
Fax Number: (307) 352-2956

for the following Project:
(Name, location and detailed description)

New City of Green River Police Facility
375 West Flaming Gorge Way
Green River, WY 82935

Provide complete design services, including structural, mechanical and electrical engineering, required to redesign building into a police department.

Architect's Project Number: 1129

The Owner and Architect agree as follows.

ADDITIONS AND DELETIONS:
The author of this document has added information needed for its completion. The author may also have revised the text of the original AIA standard form. An *Additions and Deletions Report* that notes added information as well as revisions to the standard form text is available from the author and should be reviewed. A vertical line in the left margin of this document indicates where the author has added necessary information and where the author has added to or deleted from the original AIA text.

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

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EXHIBIT A INITIAL INFORMATION

ARTICLE 1 INITIAL INFORMATION

§ 1.1 This Agreement is based on the Initial Information set forth in this Article 1 and in optional Exhibit A, Initial Information:

(Complete Exhibit A, Initial Information, and incorporate it into the Agreement at Section 13.2, or state below Initial Information such as details of the Project's site and program, Owner's contractors and consultants, Architect's consultants, Owner's budget for the Cost of the Work, authorized representatives, anticipated procurement method, and other information relevant to the Project.)

Project Details:	Provide complete design services, including structural, mechanical and electrical engineering, required to redesign building into a police department.
Architect's Consultants:	Lower and Co., PC, Engineering Design Associates
Owner's Budget for the Cost of the Work:	Unknown.
Owner's Authorized Representatives:	Chief John Love
Anticipated Procurement Method:	Design-Bid-Build
Other Information:	None

§ 1.2 The Owner's anticipated dates for commencement of construction and Substantial Completion of the Work are set forth below:

.1 Commencement of construction date:

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User Notes: (2034323274)

Unknown.

.2 Substantial Completion date:

Unknown.

§ 1.3 The Owner and Architect may rely on the Initial Information. Both parties, however, recognize that such information may materially change and, in that event, the Owner and the Architect shall appropriately adjust the schedule, the Architect's services and the Architect's compensation.

ARTICLE 2 ARCHITECT'S RESPONSIBILITIES

§ 2.1 The Architect shall provide the professional services as set forth in this Agreement.

§ 2.2 The Architect shall perform its services consistent with the professional skill and care ordinarily provided by architects practicing in the same or similar locality under the same or similar circumstances. The Architect shall perform its services as expeditiously as is consistent with such professional skill and care and the orderly progress of the Project.

§ 2.3 The Architect shall identify a representative authorized to act on behalf of the Architect with respect to the Project.

§ 2.4 Except with the Owner's knowledge and consent, the Architect shall not engage in any activity, or accept any employment, interest or contribution that would reasonably appear to compromise the Architect's professional judgment with respect to this Project.

§ 2.5 The Architect shall maintain the following insurance for the duration of this Agreement. If any of the requirements set forth below exceed the types and limits the Architect normally maintains, the Owner shall reimburse the Architect for any additional cost:
(Identify types and limits of insurance coverage, and other insurance requirements applicable to the Agreement, if any.)

.1 General Liability

Ultra Catastrophe Liability Coverage:	$5,000,000.00

.2 Automobile Liability

Liability:	$1,000,000.00
Uninsured Motorists:	$1,000,000.00
Auto Medical Payments:	$ 5,000.00

.3 Workers' Compensation

As provided by the Wyoming Worker's Safety and Compensation Division.

.4 Professional Liability

Errors & Omissions:	$1,000,000.00

ARTICLE 3 SCOPE OF ARCHITECT'S BASIC SERVICES

§ 3.1 The Architect's Basic Services consist of those described in Article 3 and include usual and customary structural, mechanical, and electrical engineering services. Services not set forth in this Article 3 are Additional Services.

§ 3.1.1 The Architect shall manage the Architect's services, consult with the Owner, research applicable design criteria, attend Project meetings, communicate with members of the Project team and report progress to the Owner.

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§ 3.1.2 The Architect shall coordinate its services with those services provided by the Owner and the Owner's consultants. The Architect shall be entitled to rely on the accuracy and completeness of services and information furnished by the Owner and the Owner's consultants. The Architect shall provide prompt written notice to the Owner if the Architect becomes aware of any error, omission or inconsistency in such services or information.

§ 3.1.3 As soon as practicable after the date of this Agreement, the Architect shall submit for the Owner's approval a schedule for the performance of the Architect's services. The schedule initially shall include anticipated dates for the commencement of construction and for Substantial Completion of the Work as set forth in the Initial Information. The schedule shall include allowances for periods of time required for the Owner's review, for the performance of the Owner's consultants, and for approval of submissions by authorities having jurisdiction over the Project. Once approved by the Owner, time limits established by the schedule shall not, except for reasonable cause, be exceeded by the Architect or Owner. With the Owner's approval, the Architect shall adjust the schedule, if necessary as the Project proceeds until the commencement of construction.

§ 3.1.4 The Architect shall not be responsible for an Owner's directive or substitution made without the Architect's approval.

§ 3.1.5 The Architect shall, at appropriate times, contact the governmental authorities required to approve the Construction Documents and the entities providing utility services to the Project. In designing the Project, the Architect shall respond to applicable design requirements imposed by such governmental authorities and by such entities providing utility services.

§ 3.1.6 The Architect shall assist the Owner in connection with the Owner's responsibility for filing documents required for the approval of governmental authorities having jurisdiction over the Project.

§ 3.2 SCHEMATIC DESIGN PHASE SERVICES

§ 3.2.1 The Architect shall review the program and other information furnished by the Owner, and shall review laws, codes, and regulations applicable to the Architect's services.

§ 3.2.2 The Architect shall prepare a preliminary evaluation of the Owner's program, schedule, budget for the Cost of the Work, Project site, and the proposed procurement or delivery method and other Initial Information, each in terms of the other, to ascertain the requirements of the Project. The Architect shall notify the Owner of (1) any inconsistencies discovered in the information, and (2) other information or consulting services that may be reasonably needed for the Project.

§ 3.2.3 The Architect shall present its preliminary evaluation to the Owner and shall discuss with the Owner alternative approaches to design and construction of the Project, including the feasibility of incorporating environmentally responsible design approaches. The Architect shall reach an understanding with the Owner regarding the requirements of the Project.

§ 3.2.4 Based on the Project's requirements agreed upon with the Owner, the Architect shall prepare and present for the Owner's approval a preliminary design illustrating the scale and relationship of the Project components.

§ 3.2.5 Based on the Owner's approval of the preliminary design, the Architect shall prepare Schematic Design Documents for the Owner's approval. The Schematic Design Documents shall consist of drawings and other documents including a site plan, if appropriate, and preliminary building plans, sections and elevations; and may include some combination of study models, perspective sketches, or digital modeling. Preliminary selections of major building systems and construction materials shall be noted on the drawings or described in writing.

§ 3.2.5.1 The Architect shall consider environmentally responsible design alternatives, such as material choices and building orientation, together with other considerations based on program and aesthetics, in developing a design that is consistent with the Owner's program, schedule and budget for the Cost of the Work. The Owner may obtain other environmentally responsible design services under Article 4.

§ 3.2.5.2 The Architect shall consider the value of alternative materials, building systems and equipment, together with other considerations based on program and aesthetics, in developing a design for the Project that is consistent with the Owner's program, schedule and budget for the Cost of the Work.

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§ 3.2.6 The Architect shall submit to the Owner an estimate of the Cost of the Work prepared in accordance with Section 6.3.

§ 3.2.7 The Architect shall submit the Schematic Design Documents to the Owner, and request the Owner's approval.

§ 3.3 DESIGN DEVELOPMENT PHASE SERVICES

§ 3.3.1 Based on the Owner's approval of the Schematic Design Documents, and on the Owner's authorization of any adjustments in the Project requirements and the budget for the Cost of the Work, the Architect shall prepare Design Development Documents for the Owner's approval. The Design Development Documents shall illustrate and describe the development of the approved Schematic Design Documents and shall consist of drawings and other documents including plans, sections, elevations, typical construction details, and diagrammatic layouts of building systems to fix and describe the size and character of the Project as to architectural, structural, mechanical and electrical systems, and such other elements as may be appropriate. The Design Development Documents shall also include outline specifications that identify major materials and systems and establish in general their quality levels.

§ 3.3.2 The Architect shall update the estimate of the Cost of the Work.

§ 3.3.3 The Architect shall submit the Design Development documents to the Owner, advise the Owner of any adjustments to the estimate of the Cost of the Work, and request the Owner's approval.

§ 3.4 CONSTRUCTION DOCUMENTS PHASE SERVICES

§ 3.4.1 Based on the Owner's approval of the Design Development Documents, and on the Owner's authorization of any adjustments in the Project requirements and the budget for the Cost of the Work, the Architect shall prepare Construction Documents for the Owner's approval. The Construction Documents shall illustrate and describe the further development of the approved Design Development Documents and shall consist of Drawings and Specifications setting forth in detail the quality levels of materials and systems and other requirements for the construction of the Work. The Owner and Architect acknowledge that in order to construct the Work the Contractor will provide additional information, including Shop Drawings, Product Data, Samples and other similar submittals, which the Architect shall review in accordance with Section 3.6.4.

§ 3.4.2 The Architect shall incorporate into the Construction Documents the design requirements of governmental authorities having jurisdiction over the Project.

§ 3.4.3 During the development of the Construction Documents, the Architect shall assist the Owner in the development and preparation of (1) bidding and procurement information that describes the time, place and conditions of bidding, including bidding or proposal forms; (2) the form of agreement between the Owner and Contractor; and (3) the Conditions of the Contract for Construction (General, Supplementary and other Conditions). The Architect shall also compile a project manual that includes the Conditions of the Contract for Construction and Specifications and may include bidding requirements and sample forms.

§ 3.4.4 The Architect shall update the estimate for the Cost of the Work.

§ 3.4.5 The Architect shall submit the Construction Documents to the Owner, advise the Owner of any adjustments to the estimate of the Cost of the Work, take any action required under Section 6.5, and request the Owner's approval.

§ 3.5 BIDDING OR NEGOTIATION PHASE SERVICES

§ 3.5.1 GENERAL

The Architect shall assist the Owner in establishing a list of prospective contractors. Following the Owner's approval of the Construction Documents, the Architect shall assist the Owner in (1) obtaining either competitive bids or negotiated proposals; (2) confirming responsiveness of bids or proposals; (3) determining the successful bid or proposal, if any; and, (4) awarding and preparing contracts for construction.

§ 3.5.2 COMPETITIVE BIDDING

§ 3.5.2.1 Bidding Documents shall consist of bidding requirements and proposed Contract Documents.

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§ 3.5.2.2 The Architect shall assist the Owner in bidding the Project by

.1 procuring the reproduction of Bidding Documents for distribution to prospective bidders;
.2 distributing the Bidding Documents to prospective bidders, requesting their return upon completion of the bidding process, and maintaining a log of distribution and retrieval and of the amounts of deposits, if any, received from and returned to prospective bidders;
.3 organizing and conducting a pre-bid conference for prospective bidders;
.4 preparing responses to questions from prospective bidders and providing clarifications and interpretations of the Bidding Documents to all prospective bidders in the form of addenda; and
.5 organizing and conducting the opening of the bids, and subsequently documenting and distributing the bidding results, as directed by the Owner.

§ 3.5.2.3 The Architect shall consider requests for substitutions, if the Bidding Documents permit substitutions, and shall prepare and distribute addenda identifying approved substitutions to all prospective bidders.

§ 3.5.3 NEGOTIATED PROPOSALS

§ 3.5.3.1 Proposal Documents shall consist of proposal requirements and proposed Contract Documents.

§ 3.5.3.2 The Architect shall assist the Owner in obtaining proposals by

.1 procuring the reproduction of Proposal Documents for distribution to prospective contractors, and requesting their return upon completion of the negotiation process;
.2 organizing and participating in selection interviews with prospective contractors; and
.3 participating in negotiations with prospective contractors, and subsequently preparing a summary report of the negotiation results, as directed by the Owner.

§ 3.5.3.3 The Architect shall consider requests for substitutions, if the Proposal Documents permit substitutions, and shall prepare and distribute addenda identifying approved substitutions to all prospective contractors.

§ 3.6 CONSTRUCTION PHASE SERVICES

§ 3.6.1 GENERAL

§ 3.6.1.1 The Architect shall provide administration of the Contract between the Owner and the Contractor as set forth below and in AIA Document A201™–2007, General Conditions of the Contract for Construction. If the Owner and Contractor modify AIA Document A201–2007, those modifications shall not affect the Architect's services under this Agreement unless the Owner and the Architect amend this Agreement.

§ 3.6.1.2 The Architect shall advise and consult with the Owner during the Construction Phase Services. The Architect shall have authority to act on behalf of the Owner only to the extent provided in this Agreement. The Architect shall not have control over, charge of, or responsibility for the construction means, methods, techniques, sequences or procedures, or for safety precautions and programs in connection with the Work, nor shall the Architect be responsible for the Contractor's failure to perform the Work in accordance with the requirements of the Contract Documents. The Architect shall be responsible for the Architect's negligent acts or omissions, but shall not have control over or charge of, and shall not be responsible for, acts or omissions of the Contractor or of any other persons or entities performing portions of the Work.

§ 3.6.1.3 Subject to Section 4.3, the Architect's responsibility to provide Construction Phase Services commences with the award of the Contract for Construction and terminates on the date the Architect issues the final Certificate for Payment.

§ 3.6.2 EVALUATIONS OF THE WORK

§ 3.6.2.1 The Architect shall visit the site at intervals appropriate to the stage of construction, or as otherwise required in Section 4.3.3, to become generally familiar with the progress and quality of the portion of the Work completed, and to determine, in general, if the Work observed is being performed in a manner indicating that the Work, when fully completed, will be in accordance with the Contract Documents. However, the Architect shall not be required to make exhaustive or continuous on-site inspections to check the quality or quantity of the Work. On the basis of the site visits, the Architect shall keep the Owner reasonably informed about the progress and quality of the portion of the Work completed, and report to the Owner (1) known deviations from the Contract Documents and

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from the most recent construction schedule submitted by the Contractor, and (2) defects and deficiencies observed in the Work.

§ 3.6.2.2 The Architect has the authority to reject Work that does not conform to the Contract Documents. Whenever the Architect considers it necessary or advisable, the Architect shall have the authority to require inspection or testing of the Work in accordance with the provisions of the Contract Documents, whether or not such Work is fabricated, installed or completed. However, neither this authority of the Architect nor a decision made in good faith either to exercise or not to exercise such authority shall give rise to a duty or responsibility of the Architect to the Contractor, Subcontractors, material and equipment suppliers, their agents or employees or other persons or entities performing portions of the Work.

§ 3.6.2.3 The Architect shall interpret and decide matters concerning performance under, and requirements of, the Contract Documents on written request of either the Owner or Contractor. The Architect's response to such requests shall be made in writing within any time limits agreed upon or otherwise with reasonable promptness.

§ 3.6.2.4 Interpretations and decisions of the Architect shall be consistent with the intent of and reasonably inferable from the Contract Documents and shall be in writing or in the form of drawings. When making such interpretations and decisions, the Architect shall endeavor to secure faithful performance by both Owner and Contractor, shall not show partiality to either, and shall not be liable for results of interpretations or decisions rendered in good faith. The Architect's decisions on matters relating to aesthetic effect shall be final if consistent with the intent expressed in the Contract Documents.

§ 3.6.2.5 Unless the Owner and Contractor designate another person to serve as an Initial Decision Maker, as that term is defined in AIA Document A201–2007, the Architect shall render initial decisions on Claims between the Owner and Contractor as provided in the Contract Documents.

§ 3.6.3 CERTIFICATES FOR PAYMENT TO CONTRACTOR

§ 3.6.3.1 The Architect shall review and certify the amounts due the Contractor and shall issue certificates in such amounts. The Architect's certification for payment shall constitute a representation to the Owner, based on the Architect's evaluation of the Work as provided in Section 3.6.2 and on the data comprising the Contractor's Application for Payment, that, to the best of the Architect's knowledge, information and belief, the Work has progressed to the point indicated and that the quality of the Work is in accordance with the Contract Documents. The foregoing representations are subject (1) to an evaluation of the Work for conformance with the Contract Documents upon Substantial Completion, (2) to results of subsequent tests and inspections, (3) to correction of minor deviations from the Contract Documents prior to completion, and (4) to specific qualifications expressed by the Architect.

§ 3.6.3.2 The issuance of a Certificate for Payment shall not be a representation that the Architect has (1) made exhaustive or continuous on-site inspections to check the quality or quantity of the Work, (2) reviewed construction means, methods, techniques, sequences or procedures, (3) reviewed copies of requisitions received from Subcontractors and material suppliers and other data requested by the Owner to substantiate the Contractor's right to payment, or (4) ascertained how or for what purpose the Contractor has used money previously paid on account of the Contract Sum.

§ 3.6.3.3 The Architect shall maintain a record of the Applications and Certificates for Payment.

§ 3.6.4 SUBMITTALS

§ 3.6.4.1 The Architect shall review the Contractor's submittal schedule and shall not unreasonably delay or withhold approval. The Architect's action in reviewing submittals shall be taken in accordance with the approved submittal schedule or, in the absence of an approved submittal schedule, with reasonable promptness while allowing sufficient time in the Architect's professional judgment to permit adequate review.

§ 3.6.4.2 In accordance with the Architect-approved submittal schedule, the Architect shall review and approve or take other appropriate action upon the Contractor's submittals such as Shop Drawings, Product Data and Samples, but only for the limited purpose of checking for conformance with information given and the design concept expressed in the Contract Documents. Review of such submittals is not for the purpose of determining the accuracy and completeness of other information such as dimensions, quantities, and installation or performance of equipment

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or systems, which are the Contractor's responsibility. The Architect's review shall not constitute approval of safety precautions or, unless otherwise specifically stated by the Architect, of any construction means, methods, techniques, sequences or procedures. The Architect's approval of a specific item shall not indicate approval of an assembly of which the item is a component.

§ 3.6.4.3 If the Contract Documents specifically require the Contractor to provide professional design services or certifications by a design professional related to systems, materials or equipment, the Architect shall specify the appropriate performance and design criteria that such services must satisfy. The Architect shall review Shop Drawings and other submittals related to the Work designed or certified by the design professional retained by the Contractor that bear such professional's seal and signature when submitted to the Architect. The Architect shall be entitled to rely upon the adequacy, accuracy and completeness of the services, certifications and approvals performed or provided by such design professionals.

§ 3.6.4.4 Subject to the provisions of Section 4.3, the Architect shall review and respond to requests for information about the Contract Documents. The Architect shall set forth in the Contract Documents the requirements for requests for information. Requests for information shall include, at a minimum, a detailed written statement that indicates the specific Drawings or Specifications in need of clarification and the nature of the clarification requested. The Architect's response to such requests shall be made in writing within any time limits agreed upon, or otherwise with reasonable promptness. If appropriate, the Architect shall prepare and issue supplemental Drawings and Specifications in response to requests for information.

§ 3.6.4.5 The Architect shall maintain a record of submittals and copies of submittals supplied by the Contractor in accordance with the requirements of the Contract Documents.

§ 3.6.5 CHANGES IN THE WORK

§ 3.6.5.1 The Architect may authorize minor changes in the Work that are consistent with the intent of the Contract Documents and do not involve an adjustment in the Contract Sum or an extension of the Contract Time. Subject to the provisions of Section 4.3, the Architect shall prepare Change Orders and Construction Change Directives for the Owner's approval and execution in accordance with the Contract Documents.

§ 3.6.5.2 The Architect shall maintain records relative to changes in the Work.

§ 3.6.6 PROJECT COMPLETION

§ 3.6.6.1 The Architect shall conduct inspections to determine the date or dates of Substantial Completion and the date of final completion; issue Certificates of Substantial Completion; receive from the Contractor and forward to the Owner, for the Owner's review and records, written warranties and related documents required by the Contract Documents and assembled by the Contractor; and issue a final Certificate for Payment based upon a final inspection indicating the Work complies with the requirements of the Contract Documents.

§ 3.6.6.2 The Architect's inspections shall be conducted with the Owner to check conformance of the Work with the requirements of the Contract Documents and to verify the accuracy and completeness of the list submitted by the Contractor of Work to be completed or corrected.

§ 3.6.6.3 When the Work is found to be substantially complete, the Architect shall inform the Owner about the balance of the Contract Sum remaining to be paid the Contractor, including the amount to be retained from the Contract Sum, if any, for final completion or correction of the Work.

§ 3.6.6.4 The Architect shall forward to the Owner the following information received from the Contractor: (1) consent of surety or sureties, if any, to reduction in or partial release of retainage or the making of final payment; (2) affidavits, receipts, releases and waivers of liens or bonds indemnifying the Owner against liens; and (3) any other documentation required of the Contractor under the Contract Documents.

§ 3.6.6.5 Upon request of the Owner, and prior to the expiration of one year from the date of Substantial Completion, the Architect shall, without additional compensation, conduct a meeting with the Owner to review the facility operations and performance.

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ARTICLE 4 ADDITIONAL SERVICES

§ 4.1 Additional Services listed below are not included in Basic Services but may be required for the Project. The Architect shall provide the listed Additional Services only if specifically designated in the table below as the Architect's responsibility, and the Owner shall compensate the Architect as provided in Section 11.2.
(Designate the Additional Services the Architect shall provide in the second column of the table below. In the third column indicate whether the service description is located in Section 4.2 or in an attached exhibit. If in an exhibit, identify the exhibit.)

Additional Services		**Responsibility** *(Architect, Owner or Not Provided)*	**Location of Service Description** *(Section 4.2 below or in an exhibit attached to this document and identified below)*
§ 4.1.1	Programming	N	
§ 4.1.2	Multiple preliminary designs	N	
§ 4.1.3	Measured drawings	N	
§ 4.1.4	Existing facilities surveys	N	
§ 4.1.5	Site Evaluation and Planning (B203™–2007)	N	
§ 4.1.6	Building information modeling	N	
§ 4.1.7	Civil engineering	N	
§ 4.1.8	Landscape design	N	
§ 4.1.9	Architectural Interior Design (B252™–2007)	N	
§ 4.1.10	Value Analysis (B204™–2007)	N	
§ 4.1.11	Detailed cost estimating	N	
§ 4.1.12	On-site project representation	N	
§ 4.1.13	Conformed construction documents	N	
§ 4.1.14	As-Designed Record drawings	N	
§ 4.1.15	As-Constructed Record drawings	N	
§ 4.1.16	Post occupancy evaluation	N	
§ 4.1.17	Facility Support Services (B210™–2007)	N	
§ 4.1.18	Tenant-related services	N	
§ 4.1.19	Coordination of Owner's consultants	N	
§ 4.1.20	Telecommunications/data design	N	
§ 4.1.21	Security Evaluation and Planning (B206™–2007)	N	
§ 4.1.22	Commissioning (B211™–2007)	N	
§ 4.1.23	Extensive environmentally responsible design	N	
§ 4.1.24	LEED® Certification (B214™–2007)	N	
§ 4.1.25	Fast-track design services	N	
§ 4.1.26	Historic Preservation (B205™–2007)	N	
§ 4.1.27	Furniture, Furnishings, and Equipment Design (B253™–2007)	N	

§ 4.2 Insert a description of each Additional Service designated in Section 4.1 as the Architect's responsibility, if not further described in an exhibit attached to this document.

N/A.

§ 4.3 Additional Services may be provided after execution of this Agreement, without invalidating the Agreement. Except for services required due to the fault of the Architect, any Additional Services provided in accordance with this Section 4.3 shall entitle the Architect to compensation pursuant to Section 11.3 and an appropriate adjustment in the Architect's schedule.

§ 4.3.1 Upon recognizing the need to perform the following Additional Services, the Architect shall notify the Owner with reasonable promptness and explain the facts and circumstances giving rise to the need. The Architect shall not proceed to provide the following services until the Architect receives the Owner's written authorization:

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.1 Services necessitated by a change in the Initial Information, previous instructions or approvals given by the Owner, or a material change in the Project including, but not limited to, size, quality, complexity, the Owner's schedule or budget for Cost of the Work, or procurement or delivery method;

.2 Services necessitated by the Owner's request for extensive environmentally responsible design alternatives, such as unique system designs, in-depth material research, energy modeling, or LEED® certification;

.3 Changing or editing previously prepared Instruments of Service necessitated by the enactment or revision of codes, laws or regulations or official interpretations;

.4 Services necessitated by decisions of the Owner not rendered in a timely manner or any other failure of performance on the part of the Owner or the Owner's consultants or contractors;

.5 Preparing digital data for transmission to the Owner's consultants and contractors, or to other Owner authorized recipients;

.6 Preparation of design and documentation for alternate bid or proposal requests proposed by the Owner;

.7 Preparation for, and attendance at, a public presentation, meeting or hearing;

.8 Preparation for, and attendance at a dispute resolution proceeding or legal proceeding, except where the Architect is party thereto;

.9 Evaluation of the qualifications of bidders or persons providing proposals;

.10 Consultation concerning replacement of Work resulting from fire or other cause during construction; or

.11 Assistance to the Initial Decision Maker, if other than the Architect.

§ 4.3.2 To avoid delay in the Construction Phase, the Architect shall provide the following Additional Services, notify the Owner with reasonable promptness, and explain the facts and circumstances giving rise to the need. If the Owner subsequently determines that all or parts of those services are not required, the Owner shall give prompt written notice to the Architect, and the Owner shall have no further obligation to compensate the Architect for those services:

.1 Reviewing a Contractor's submittal out of sequence from the submittal schedule agreed to by the Architect;

.2 Responding to the Contractor's requests for information that are not prepared in accordance with the Contract Documents or where such information is available to the Contractor from a careful study and comparison of the Contract Documents, field conditions, other Owner-provided information, Contractor-prepared coordination drawings, or prior Project correspondence or documentation;

.3 Preparing Change Orders and Construction Change Directives that require evaluation of Contractor's proposals and supporting data, or the preparation or revision of Instruments of Service;

.4 Evaluating an extensive number of Claims as the Initial Decision Maker;

.5 Evaluating substitutions proposed by the Owner or Contractor and making subsequent revisions to Instruments of Service resulting therefrom; or

.6 To the extent the Architect's Basic Services are affected, providing Construction Phase Services 60 days after (1) the date of Substantial Completion of the Work or (2) the anticipated date of Substantial Completion identified in Initial Information, whichever is earlier.

§ 4.3.3 The Architect shall provide Construction Phase Services exceeding the limits set forth below as Additional Services. When the limits below are reached, the Architect shall notify the Owner:

.1 One (1) reviews of each Shop Drawing, Product Data item, sample and similar submittal of the Contractor

.2 Ten (10) visits to the site by the Architect over the duration of the Project during construction

.3 One (1) inspections for any portion of the Work to determine whether such portion of the Work is substantially complete in accordance with the requirements of the Contract Documents

.4 One (1) inspections for any portion of the Work to determine final completion

§ 4.3.4 If the services covered by this Agreement have not been completed within Eight (8) months of the date of this Agreement, through no fault of the Architect, extension of the Architect's services beyond that time shall be compensated as Additional Services.

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ARTICLE 5 OWNER'S RESPONSIBILITIES

§ 5.1 Unless otherwise provided for under this Agreement, the Owner shall provide information in a timely manner regarding requirements for and limitations on the Project, including a written program which shall set forth the Owner's objectives, schedule, constraints and criteria, including space requirements and relationships, flexibility, expandability, special equipment, systems and site requirements. Within 15 days after receipt of a written request from the Architect, the Owner shall furnish the requested information as necessary and relevant for the Architect to evaluate, give notice of or enforce lien rights.

§ 5.2 The Owner shall establish and periodically update the Owner's budget for the Project, including (1) the budget for the Cost of the Work as defined in Section 6.1; (2) the Owner's other costs; and, (3) reasonable contingencies related to all of these costs. If the Owner significantly increases or decreases the Owner's budget for the Cost of the Work, the Owner shall notify the Architect. The Owner and the Architect shall thereafter agree to a corresponding change in the Project's scope and quality.

§ 5.3 The Owner shall identify a representative authorized to act on the Owner's behalf with respect to the Project. The Owner shall render decisions and approve the Architect's submittals in a timely manner in order to avoid unreasonable delay in the orderly and sequential progress of the Architect's services.

§ 5.4 The Owner shall furnish surveys to describe physical characteristics, legal limitations and utility locations for the site of the Project, and a written legal description of the site. The surveys and legal information shall include, as applicable, grades and lines of streets, alleys, pavements and adjoining property and structures; designated wetlands; adjacent drainage; rights-of-way, restrictions, easements, encroachments, zoning, deed restrictions, boundaries and contours of the site; locations, dimensions and necessary data with respect to existing buildings, other improvements and trees; and information concerning available utility services and lines, both public and private, above and below grade, including inverts and depths. All the information on the survey shall be referenced to a Project benchmark.

(Paragraph deleted)

§ 5.5 The Owner shall furnish services of geotechnical engineers, which may include but are not limited to test borings, test pits, determinations of soil bearing values, percolation tests, evaluations of hazardous materials, seismic evaluation, ground corrosion tests and resistivity tests, including necessary operations for anticipating subsoil conditions, with written reports and appropriate recommendations.

§ 5.6 The Owner shall coordinate the services of its own consultants with those services provided by the Architect. Upon the Architect's request, the Owner shall furnish copies of the scope of services in the contracts between the Owner and the Owner's consultants. The Owner shall furnish the services of consultants other than those designated in this Agreement, or authorize the Architect to furnish them as an Additional Service, when the Architect requests such services and demonstrates that they are reasonably required by the scope of the Project. The Owner shall require that its consultants maintain professional liability insurance as appropriate to the services provided.

§ 5.7 The Owner shall furnish tests, inspections and reports required by law or the Contract Documents, such as structural, mechanical, and chemical tests, tests for air and water pollution, and tests for hazardous materials.

§ 5.8 The Owner shall furnish all legal, insurance and accounting services, including auditing services, that may be reasonably necessary at any time for the Project to meet the Owner's needs and interests.

§ 5.9 The Owner shall provide prompt written notice to the Architect if the Owner becomes aware of any fault or defect in the Project, including errors, omissions or inconsistencies in the Architect's Instruments of Service.

§ 5.10 Except as otherwise provided in this Agreement, or when direct communications have been specially authorized, the Owner shall endeavor to communicate with the Contractor and the Architect's consultants through the Architect about matters arising out of or relating to the Contract Documents. The Owner shall promptly notify the Architect of any direct communications that may affect the Architect's services.

§ 5.11 Before executing the Contract for Construction, the Owner shall coordinate the Architect's duties and responsibilities set forth in the Contract for Construction with the Architect's services set forth in this Agreement. The Owner shall provide the Architect a copy of the executed agreement between the Owner and Contractor, including the General Conditions of the Contract for Construction.

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§ 5.12 The Owner shall provide the Architect access to the Project site prior to commencement of the Work and shall obligate the Contractor to provide the Architect access to the Work wherever it is in preparation or progress.

ARTICLE 6 COST OF THE WORK

§ 6.1 For purposes of this Agreement, the Cost of the Work shall be the total cost to the Owner to construct all elements of the Project designed or specified by the Architect and shall include contractors' general conditions costs, overhead and profit. The Cost of the Work does not include the compensation of the Architect, the costs of the land, rights-of-way, financing, contingencies for changes in the Work or other costs that are the responsibility of the Owner.

§ 6.2 The Owner's budget for the Cost of the Work is provided in Initial Information, and may be adjusted throughout the Project as required under Sections 5.2, 6.4 and 6.5. Evaluations of the Owner's budget for the Cost of the Work, the preliminary estimate of the Cost of the Work and updated estimates of the Cost of the Work prepared by the Architect, represent the Architect's judgment as a design professional. It is recognized, however, that neither the Architect nor the Owner has control over the cost of labor, materials or equipment; the Contractor's methods of determining bid prices; or competitive bidding, market or negotiating conditions. Accordingly, the Architect cannot and does not warrant or represent that bids or negotiated prices will not vary from the Owner's budget for the Cost of the Work or from any estimate of the Cost of the Work or evaluation prepared or agreed to by the Architect.

§ 6.3 In preparing estimates of the Cost of Work, the Architect shall be permitted to include contingencies for design, bidding and price escalation; to determine what materials, equipment, component systems and types of construction are to be included in the Contract Documents; to make reasonable adjustments in the program and scope of the Project; and to include in the Contract Documents alternate bids as may be necessary to adjust the estimated Cost of the Work to meet the Owner's budget for the Cost of the Work. The Architect's estimate of the Cost of the Work shall be based on current area, volume or similar conceptual estimating techniques. If the Owner requests detailed cost estimating services, the Architect shall provide such services as an Additional Service under Article 4.

§ 6.4 If the Bidding or Negotiation Phase has not commenced within 90 days after the Architect submits the Construction Documents to the Owner, through no fault of the Architect, the Owner's budget for the Cost of the Work shall be adjusted to reflect changes in the general level of prices in the applicable construction market.

§ 6.5 If at any time the Architect's estimate of the Cost of the Work exceeds the Owner's budget for the Cost of the Work, the Architect shall make appropriate recommendations to the Owner to adjust the Project's size, quality or budget for the Cost of the Work, and the Owner shall cooperate with the Architect in making such adjustments.

§ 6.6 If the Owner's budget for the Cost of the Work at the conclusion of the Construction Documents Phase Services is exceeded by the lowest bona fide bid or negotiated proposal, the Owner shall

- .1 give written approval of an increase in the budget for the Cost of the Work;
- .2 authorize rebidding or renegotiating of the Project within a reasonable time;
- .3 terminate in accordance with Section 9.5;
- .4 in consultation with the Architect, revise the Project program, scope, or quality as required to reduce the Cost of the Work; or
- .5 implement any other mutually acceptable alternative.

§ 6.7 If the Owner chooses to proceed under Section 6.6.4, the Architect, without additional compensation, shall modify the Construction Documents as necessary to comply with the Owner's budget for the Cost of the Work at the conclusion of the Construction Documents Phase Services, or the budget as adjusted under Section 6.6.1. The Architect's modification of the Construction Documents shall be the limit of the Architect's responsibility under this Article 6.

ARTICLE 7 COPYRIGHTS AND LICENSES

§ 7.1 The Architect and the Owner warrant that in transmitting Instruments of Service, or any other information, the transmitting party is the copyright owner of such information or has permission from the copyright owner to transmit such information for its use on the Project. If the Owner and Architect intend to transmit Instruments of

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Service or any other information or documentation in digital form, they shall endeavor to establish necessary protocols governing such transmissions.

§ 7.2 The Architect and the Architect's consultants shall be deemed the authors and owners of their respective Instruments of Service, including the Drawings and Specifications, and shall retain all common law, statutory and other reserved rights, including copyrights. Submission or distribution of Instruments of Service to meet official regulatory requirements or for similar purposes in connection with the Project is not to be construed as publication in derogation of the reserved rights of the Architect and the Architect's consultants.

§ 7.3 Upon execution of this Agreement, the Architect grants to the Owner a nonexclusive license to use the Architect's Instruments of Service solely and exclusively for purposes of constructing, using, maintaining, altering and adding to the Project, provided that the Owner substantially performs its obligations, including prompt payment of all sums when due, under this Agreement. The Architect shall obtain similar nonexclusive licenses from the Architect's consultants consistent with this Agreement. The license granted under this section permits the Owner to authorize the Contractor, Subcontractors, Sub-subcontractors, and material or equipment suppliers, as well as the Owner's consultants and separate contractors, to reproduce applicable portions of the Instruments of Service solely and exclusively for use in performing services or construction for the Project. If the Architect rightfully terminates this Agreement for cause as provided in Section 9.4, the license granted in this Section 7.3 shall terminate.

§ 7.3.1 In the event the Owner uses the Instruments of Service without retaining the author of the Instruments of Service, the Owner releases the Architect and Architect's consultant(s) from all claims and causes of action arising from such uses. The Owner, to the extent permitted by law, further agrees to indemnify and hold harmless the Architect and its consultants from all costs and expenses, including the cost of defense, related to claims and causes of action asserted by any third person or entity to the extent such costs and expenses arise from the Owner's use of the Instruments of Service under this Section 7.3.1. The terms of this Section 7.3.1 shall not apply if the Owner rightfully terminates this Agreement for cause under Section 9.4.

§ 7.4 Except for the licenses granted in this Article 7, no other license or right shall be deemed granted or implied under this Agreement. The Owner shall not assign, delegate, sublicense, pledge or otherwise transfer any license granted herein to another party without the prior written agreement of the Architect. Any unauthorized use of the Instruments of Service shall be at the Owner's sole risk and without liability to the Architect and the Architect's consultants.

ARTICLE 8 CLAIMS AND DISPUTES

§ 8.1 GENERAL

§ 8.1.1 The Owner and Architect shall commence all claims and causes of action, whether in contract, tort, or otherwise, against the other arising out of or related to this Agreement in accordance with the requirements of the method of binding dispute resolution selected in this Agreement within the period specified by applicable law, but in any case not more than 10 years after the date of Substantial Completion of the Work. The Owner and Architect waive all claims and causes of action not commenced in accordance with this Section 8.1.1.

§ 8.1.2 To the extent damages are covered by property insurance, the Owner and Architect waive all rights against each other and against the contractors, consultants, agents and employees of the other for damages, except such rights as they may have to the proceeds of such insurance as set forth in AIA Document A201–2007, General Conditions of the Contract for Construction. The Owner or the Architect, as appropriate, shall require of the contractors, consultants, agents and employees of any of them similar waivers in favor of the other parties enumerated herein.

§ 8.1.3 The Architect and Owner waive consequential damages for claims, disputes or other matters in question arising out of or relating to this Agreement. This mutual waiver is applicable, without limitation, to all consequential damages due to either party's termination of this Agreement, except as specifically provided in Section 9.7.

§ 8.2 MEDIATION

§ 8.2.1 Any claim, dispute or other matter in question arising out of or related to this Agreement shall be subject to mediation as a condition precedent to binding dispute resolution. If such matter relates to or is the subject of a lien arising out of the Architect's services, the Architect may proceed in accordance with applicable law to comply with the lien notice or filing deadlines prior to resolution of the matter by mediation or by binding dispute resolution.

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§ 8.2.2 The Owner and Architect shall endeavor to resolve claims, disputes and other matters in question between them by mediation which, unless the parties mutually agree otherwise, shall be administered by the American Arbitration Association in accordance with its Construction Industry Mediation Procedures in effect on the date of the Agreement. A request for mediation shall be made in writing, delivered to the other party to the Agreement, and filed with the person or entity administering the mediation. The request may be made concurrently with the filing of a complaint or other appropriate demand for binding dispute resolution but, in such event, mediation shall proceed in advance of binding dispute resolution proceedings, which shall be stayed pending mediation for a period of 60 days from the date of filing, unless stayed for a longer period by agreement of the parties or court order. If an arbitration proceeding is stayed pursuant to this section, the parties may nonetheless proceed to the selection of the arbitrator(s) and agree upon a schedule for later proceedings.

§ 8.2.3 The parties shall share the mediator's fee and any filing fees equally. The mediation shall be held in the place where the Project is located, unless another location is mutually agreed upon. Agreements reached in mediation shall be enforceable as settlement agreements in any court having jurisdiction thereof.

§ 8.2.4 If the parties do not resolve a dispute through mediation pursuant to this Section 8.2, the method of binding dispute resolution shall be the following:
(Check the appropriate box. If the Owner and Architect do not select a method of binding dispute resolution below, or do not subsequently agree in writing to a binding dispute resolution method other than litigation, the dispute will be resolved in a court of competent jurisdiction.)

[ ] Arbitration pursuant to Section 8.3 of this Agreement

[X] Litigation in a court of competent jurisdiction

[ ] Other (Specify)

§ 8.3 ARBITRATION

§ 8.3.1 If the parties have selected arbitration as the method for binding dispute resolution in this Agreement, any claim, dispute or other matter in question arising out of or related to this Agreement subject to, but not resolved by, mediation shall be subject to arbitration which, unless the parties mutually agree otherwise, shall be administered by the American Arbitration Association in accordance with its Construction Industry Arbitration Rules in effect on the date of this Agreement. A demand for arbitration shall be made in writing, delivered to the other party to this Agreement, and filed with the person or entity administering the arbitration.

§ 8.3.1.1 A demand for arbitration shall be made no earlier than concurrently with the filing of a request for mediation, but in no event shall it be made after the date when the institution of legal or equitable proceedings based on the claim, dispute or other matter in question would be barred by the applicable statute of limitations. For statute of limitations purposes, receipt of a written demand for arbitration by the person or entity administering the arbitration shall constitute the institution of legal or equitable proceedings based on the claim, dispute or other matter in question.

§ 8.3.2 The foregoing agreement to arbitrate and other agreements to arbitrate with an additional person or entity duly consented to by parties to this Agreement shall be specifically enforceable in accordance with applicable law in any court having jurisdiction thereof.

§ 8.3.3 The award rendered by the arbitrator(s) shall be final, and judgment may be entered upon it in accordance with applicable law in any court having jurisdiction thereof.

§ 8.3.4 CONSOLIDATION OR JOINDER

§ 8.3.4.1 Either party, at its sole discretion, may consolidate an arbitration conducted under this Agreement with any other arbitration to which it is a party provided that (1) the arbitration agreement governing the other arbitration permits consolidation; (2) the arbitrations to be consolidated substantially involve common questions of law or fact; and (3) the arbitrations employ materially similar procedural rules and methods for selecting arbitrator(s).

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§ 8.3.4.2 Either party, at its sole discretion, may include by joinder persons or entities substantially involved in a common question of law or fact whose presence is required if complete relief is to be accorded in arbitration, provided that the party sought to be joined consents in writing to such joinder. Consent to arbitration involving an additional person or entity shall not constitute consent to arbitration of any claim, dispute or other matter in question not described in the written consent.

§ 8.3.4.3 The Owner and Architect grant to any person or entity made a party to an arbitration conducted under this Section 8.3, whether by joinder or consolidation, the same rights of joinder and consolidation as the Owner and Architect under this Agreement.

ARTICLE 9 TERMINATION OR SUSPENSION

§ 9.1 If the Owner fails to make payments to the Architect in accordance with this Agreement, such failure shall be considered substantial nonperformance and cause for termination or, at the Architect's option, cause for suspension of performance of services under this Agreement. If the Architect elects to suspend services, the Architect shall give seven days' written notice to the Owner before suspending services. In the event of a suspension of services, the Architect shall have no liability to the Owner for delay or damage caused the Owner because of such suspension of services. Before resuming services, the Architect shall be paid all sums due prior to suspension and any expenses incurred in the interruption and resumption of the Architect's services. The Architect's fees for the remaining services and the time schedules shall be equitably adjusted.

§ 9.2 If the Owner suspends the Project, the Architect shall be compensated for services performed prior to notice of such suspension. When the Project is resumed, the Architect shall be compensated for expenses incurred in the interruption and resumption of the Architect's services. The Architect's fees for the remaining services and the time schedules shall be equitably adjusted.

§ 9.3 If the Owner suspends the Project for more than 90 cumulative days for reasons other than the fault of the Architect, the Architect may terminate this Agreement by giving not less than seven days' written notice.

§ 9.4 Either party may terminate this Agreement upon not less than seven days' written notice should the other party fail substantially to perform in accordance with the terms of this Agreement through no fault of the party initiating the termination.

§ 9.5 The Owner may terminate this Agreement upon not less than seven days' written notice to the Architect for the Owner's convenience and without cause.

§ 9.6 In the event of termination not the fault of the Architect, the Architect shall be compensated for services performed prior to termination, together with Reimbursable Expenses then due and all Termination Expenses as defined in Section 9.7.

§ 9.7 Termination Expenses are in addition to compensation for the Architect's services and include expenses directly attributable to termination for which the Architect is not otherwise compensated, plus an amount for the Architect's anticipated profit on the value of the services not performed by the Architect.

§ 9.8 The Owner's rights to use the Architect's Instruments of Service in the event of a termination of this Agreement are set forth in Article 7 and Section 11.9.

ARTICLE 10 MISCELLANEOUS PROVISIONS

§ 10.1 This Agreement shall be governed by the law of the place where the Project is located, except that if the parties have selected arbitration as the method of binding dispute resolution, the Federal Arbitration Act shall govern Section 8.3.

§ 10.2 Terms in this Agreement shall have the same meaning as those in AIA Document A201–2007, General Conditions of the Contract for Construction.

§ 10.3 The Owner and Architect, respectively, bind themselves, their agents, successors, assigns and legal representatives to this Agreement. Neither the Owner nor the Architect shall assign this Agreement without the

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written consent of the other, except that the Owner may assign this Agreement to a lender providing financing for the Project if the lender agrees to assume the Owner's rights and obligations under this Agreement.

§ 10.4 If the Owner requests the Architect to execute certificates, the proposed language of such certificates shall be submitted to the Architect for review at least 14 days prior to the requested dates of execution. If the Owner requests the Architect to execute consents reasonably required to facilitate assignment to a lender, the Architect shall execute all such consents that are consistent with this Agreement, provided the proposed consent is submitted to the Architect for review at least 14 days prior to execution. The Architect shall not be required to execute certificates or consents that would require knowledge, services or responsibilities beyond the scope of this Agreement.

§ 10.5 Nothing contained in this Agreement shall create a contractual relationship with or a cause of action in favor of a third party against either the Owner or Architect.

§ 10.6 Unless otherwise required in this Agreement, the Architect shall have no responsibility for the discovery, presence, handling, removal or disposal of, or exposure of persons to, hazardous materials or toxic substances in any form at the Project site.

§ 10.7 The Architect shall have the right to include photographic or artistic representations of the design of the Project among the Architect's promotional and professional materials. The Architect shall be given reasonable access to the completed Project to make such representations. However, the Architect's materials shall not include the Owner's confidential or proprietary information if the Owner has previously advised the Architect in writing of the specific information considered by the Owner to be confidential or proprietary. The Owner shall provide professional credit for the Architect in the Owner's promotional materials for the Project.

§ 10.8 If the Architect or Owner receives information specifically designated by the other party as "confidential" or "business proprietary," the receiving party shall keep such information strictly confidential and shall not disclose it to any other person except to (1) its employees, (2) those who need to know the content of such information in order to perform services or construction solely and exclusively for the Project, or (3) its consultants and contractors whose contracts include similar restrictions on the use of confidential information.

ARTICLE 11 COMPENSATION

§ 11.1 For the Architect's Basic Services described under Article 3, the Owner shall compensate the Architect as follows:
(Insert amount of, or basis for, compensation.)

The basic services fee shall be a fixed fee in the amount of $100,000.00, plus reimbursable expenses.

§ 11.2 For Additional Services designated in Section 4.1, the Owner shall compensate the Architect as follows:
(Insert amount of, or basis for, compensation. If necessary, list specific services to which particular methods of compensation apply.)

Hourly based upon Article 13.2.3 Exhibit "A", entitled "Rate Schedule" attached..

§ 11.3 For Additional Services that may arise during the course of the Project, including those under Section 4.3, the Owner shall compensate the Architect as follows:
(Insert amount of, or basis for, compensation.)

Hourly based upon Article 13.2.3 Exhibit "A", entitled "Rate Schedule" attached..

§ 11.4 Compensation for Additional Services of the Architect's consultants when not included in Section 11.2 or 11.3, shall be the amount invoiced to the Architect plus One and fifteen hundredths percent (1.15%), or as otherwise stated below:

§ 11.5 Where compensation for Basic Services is based on a stipulated sum or percentage of the Cost of the Work, the compensation for each phase of services shall be as follows:

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Schematic Design Phase	Fifteen	percent (	15	%)	$ 15,000.00
Design Development Phase	Twenty	percent (	20	%)	$ 20,000.00
Construction Documents Phase	Thirty-five	percent (	35	%)	$ 35,000.00
Bidding or Negotiation Phase	Five	percent (	5	%)	$ 5,000.00
Construction Phase	Twenty-five	percent (	25	%)	$ 25,000.00
Total Basic Compensation	One Hundred	percent (	100	%)	$100,000.00

§ 11.6 When compensation is based on a percentage of the Cost of the Work and any portions of the Project are deleted or otherwise not constructed, compensation for those portions of the Project shall be payable to the extent services are performed on those portions, in accordance with the schedule set forth in Section 11.5 based on (1) the lowest bona fide bid or negotiated proposal, or (2) if no such bid or proposal is received, the most recent estimate of the Cost of the Work for such portions of the Project. The Architect shall be entitled to compensation in accordance with this Agreement for all services performed whether or not the Construction Phase is commenced.

§ 11.7 The hourly billing rates for services of the Architect and the Architect's consultants, if any, are set forth below. The rates shall be adjusted in accordance with the Architect's and Architect's consultants' normal review practices.
(If applicable, attach an exhibit of hourly billing rates or insert them below.)

Hourly rates are set forth in Article 13.2.3 - Exhibit "A", entitled "Rate Schedule" attached.

(Table deleted)

§ 11.8 COMPENSATION FOR REIMBURSABLE EXPENSES

§ 11.8.1 Reimbursable Expenses are in addition to compensation for Basic and Additional Services and include expenses incurred by the Architect and the Architect's consultants directly related to the Project, as follows:

- .1 Transportation and authorized out-of-town travel and subsistence;
- .2 Long distance services, dedicated data and communication services, teleconferences, Project Web sites, and extranets;
- .3 Fees paid for securing approval of authorities having jurisdiction over the Project;
- .4 Printing, reproductions, plots, standard form documents;
- .5 Postage, handling and delivery;
- .6 Expense of overtime work requiring higher than regular rates, if authorized in advance by the Owner;
- .7 Renderings, models, mock-ups, professional photography, and presentation materials requested by the Owner;
- .8 Architect's Consultant's expense of professional liability insurance dedicated exclusively to this Project, or the expense of additional insurance coverage or limits if the Owner requests such insurance in excess of that normally carried by the Architect's consultants;
- .9 All taxes levied on professional services and on reimbursable expenses;
- .10 Site office expenses; and
- .11 Other similar Project-related expenditures.

§ 11.8.2 For Reimbursable Expenses the compensation shall be the expenses incurred by the Architect and the Architect's consultants plus One and fifteen hundredths percent (1.15%) of the expenses incurred, or as set forth in Article 13.2.3 – Exhibit "A", entitled "Rate Schedule" attached.

§ 11.9 COMPENSATION FOR USE OF ARCHITECT'S INSTRUMENTS OF SERVICE

If the Owner terminates the Architect for its convenience under Section 9.5, or the Architect terminates this Agreement under Section 9.3, the Owner shall pay a licensing fee as compensation for the Owner's continued use of the Architect's Instruments of Service solely for purposes of completing, using and maintaining the Project as follows:

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§ 11.10 PAYMENTS TO THE ARCHITECT

§ 11.10.1 An initial payment of Zero Dollars and Zero Cents ($ 0.00) shall be made upon execution of this Agreement and is the minimum payment under this Agreement. It shall be credited to the Owner's account in the final invoice.

§ 11.10.2 Unless otherwise agreed, payments for services shall be made monthly in proportion to services performed. Payments are due and payable upon presentation of the Architect's invoice. Amounts unpaid Thirty (30) days after the invoice date shall bear interest at the rate entered below, or in the absence thereof at the legal rate prevailing from time to time at the principal place of business of the Architect.
(Insert rate of monthly or annual interest agreed upon.)

N/A.

§ 11.10.3 The Owner shall not withhold amounts from the Architect's compensation to impose a penalty or liquidated damages on the Architect, or to offset sums requested by or paid to contractors for the cost of changes in the Work unless the Architect agrees or has been found liable for the amounts in a binding dispute resolution proceeding.

§ 11.10.4 Records of Reimbursable Expenses, expenses pertaining to Additional Services, and services performed on the basis of hourly rates shall be available to the Owner at mutually convenient times.

ARTICLE 12 SPECIAL TERMS AND CONDITIONS

Special terms and conditions that modify this Agreement are as follows:

N/A.

ARTICLE 13 SCOPE OF THE AGREEMENT

§ 13.1 This Agreement represents the entire and integrated agreement between the Owner and the Architect and supersedes all prior negotiations, representations or agreements, either written or oral. This Agreement may be amended only by written instrument signed by both Owner and Architect.

§ 13.2 This Agreement is comprised of the following documents listed below:

.1 AIA Document B101™–2007, Standard Form Agreement Between Owner and Architect

.2 AIA Document E201™–2007, Digital Data Protocol Exhibit, if completed, or the following:

N/A.

.3 Other documents:
(List other documents, if any, including Exhibit A, Initial Information, and additional scopes of service, if any, forming part of the Agreement.)

Exhibit "A" entitled "Rate Schedule" for hourly rates and reimbursable expenses attached

This Agreement entered into as of the day and year first written above.

OWNER	ARCHITECT
(Signature)	*(Signature)*
Hank Castillion, Mayor	Charles E. Van Over, AIA, President
(Printed name and title)	*(Printed name and title)*

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Exhibit "A"

RATE SCHEDULE

Senior Principals	$135
Associate Principals	$115
Project Manager/ Architect	$100
Job Captain	$ 85
CAD Technician III	$ 80
CAD Technician II	$ 70
CAD Technician I	$ 60
Clerical	$ 45

Reimbursables:

- Phone, printing, travel expenses, etc. actual + 15%
- Faxes $1.00 per page
- Engineers & Special Consultants actual + 15%
- Vehicles @ $.50 / mile
- Shipping actual + 25%

Effective: January 1, 2008