



**CITY OF PITTSBURGH
EQUIPMENT LEASING AUTHORITY**

ELA BID TABULATION

(SHADED AREAS INDICATES AWARDED PORTIONS
OF THE CONTRACT)

BID FOR: **2000 GPM PUMPER FIRE APPARATUS**

SPECIFICATION # **ELA 36-11-2**

EXPIRATION DATE: **June 30, 2012**

DATE ADVERTISED: **January 4, 2012 and February 3, 2012**

DATE OPENED: **February 17, 2012**

BIDS SENT: **29 (29 - 0)**

BIDS RECEIVED: **9 (9 - 0)**

REJECTED BIDS: _____

NO BIDS: _____

LATE BIDS: _____

TABULATION PREPARED BY: **William Clark**

PURCHASING AGENT: **William Clark**

PROCUREMENT COOR. _____

AWARDED BY: **CHAIRMAN - EQUIPMENT LEASING AUTHORITY**

DATE AWARDED: _____

1. Discount terms, which if offered, must allow at least forty-five (45) days for payment, are ___ % of the total price of items to be awarded to the Bidder.

SPENCER MFG., INC.	0.56%
US TANKER FIRE APPARATUS	\$5,676.00 per each, for payment of chassis (\$271,202.00) upon receipt at factory
W.S. DARLEY & CO.	0%
E-ONE INC.	0%
PIERCE MANUFACTURING	0%
KOVATCH MOBILE EQUIPMENT CORPORATION (KME)	0%
PRECISION FIRE APPARATUS	0%
ROSENBAUER SOUTH DAKOTA, LLC	0%
CUSTOM FIRE APPARATUS, INC.	0%

2. The date(s) and time(s) of the delivery or deliveries are:

SPENCER MFG., INC.	240 days after Preconstruction
US TANKER FIRE APPARATUS	280 calendar days after receipt of signed contract
W.S. DARLEY & CO.	360 days
E-ONE INC.	8 months (240 days) after receipt of order
PIERCE MANUFACTURING	395 Calendar days
KOVATCH MOBILE EQUIPMENT CORPORATION (KME)	210 calendar days from signing of contract
PRECISION FIRE APPARATUS	210-280 Calendar days after contract execution
ROSENBAUER SOUTH DAKOTA, LLC	295 Days from date of receipt of purchase order
CUSTOM FIRE APPARATUS, INC.	180 - 220 days from Receipt of Purchase Order and/or Contract

3. If the specifications permit the bidding of used items, the items set forth hereinafter will be new unless herein stated.

SPENCER MFG., INC.	All Parts & Materials are New
US TANKER FIRE APPARATUS	N / A
W.S. DARLEY & CO.	No Bid
E-ONE INC.	No Bid
PIERCE MANUFACTURING	All new No Used Items
KOVATCH MOBILE EQUIPMENT CORPORATION (KME)	N / A
PRECISION FIRE APPARATUS	100% New
ROSENBAUER SOUTH DAKOTA, LLC	All items will be new construction
CUSTOM FIRE APPARATUS, INC.	All items will be new.

COST OF UNITS

	2000 GPM Pumper Fire Apparatus As per attached specifications, from Date of Award through June 30, 2012		Extended Warranty		Additional Options not specified Factory Invoice plus or minus	Year, Make Model of Unit Bid
	QUANTITY 2					
	Unit Price	Total Price	Unit Price	Total Price		
SPENCER MFG., INC.	\$436,577.00	\$873,154.00	\$4,266.00	\$8,532.00	Minus 3%	2012 Spartan / Spencer Metrostar
US TANKER FIRE APPARATUS	\$497,493.00	\$994,986.00	NO BID	NO BID	NO BID	2013 Spartan MetroStar chassis with USTanker "Guardian Series" Pumper.
W.S. DARLEY & CO.	\$489,800.00	\$979,600.00	\$5,000.00	\$10,000.00	0%	2012-13 Darley Custom Pumper
E-ONE INC.	\$482,723.00	\$965,446.00	N/A	N/A	0%	2012 E-One Typhoon Stainless Steel Pumper
PIERCE MANUFACTURING	\$503,633.43	\$1,007,266.87	see Pierce Worksheet below		NO BID	2012 Pierce Saber Custom Pumper
KOVATCH MOBILE EQUIPMENT CORPORATION (KME)	\$475,599.00	\$951,198.00	Included		N/A	2012 Predator Panther Custom Pumper
PRECISION FIRE APPARATUS	\$428,986.00	\$857,972.00	\$2,266.00	\$4,532.00	0%	2012 Precision / Spartan Custom Pumper
			2 yr chassis only			
ROSENBAUER SOUTH DAKOTA, LLC	\$471,288.00	\$942,576.00	\$5,479.00	\$10,958.00	0%	2012 Rosenbauer FX mounted on 2012 Spartan Metro Star Chassis
			Additional one (1) year Bumper to Bumper Price			
CUSTOM FIRE APPARATUS, INC.	\$521,037.00	\$1,042,074.00	\$0.00	\$0.00	5%	2012 Spartan MetroStar / Custom Fire

OPTIONAL

Funding may be approved by the Equipment Leasing Authority of Pittsburgh for the purchase of up to three additional pumpers in 2012. Please state the cost of each additional pumper ordered prior to June 30, 2012. the purchase order for these additional pumpers will be issued at the sole discretion of the ELA and may not necessarily be issued at the same time as the order for the original two pumpers

	Cost of Each additional Pumper ordered prior to June 30, 2012	
SPENCER MFG., INC.		\$436,577.00
US TANKER FIRE APPARATUS		\$493,893.00
W.S. DARLEY & CO.		\$489,800.00
E-ONE INC.		\$482,723.00
PIERCE MANUFACTURING		\$503,633.43
KOVATCH MOBILE EQUIPMENT CORPORATION (KME)		\$475,599.00
PRECISION FIRE APPARATUS		\$426,986.00
ROSENBAUER SOUTH DAKOTA, LLC		\$471,288.00
CUSTOM FIRE APPARATUS, INC.	Order #1	\$528,912.00
	Order #2	\$521,037.00
	Order #3	\$518,412.00

US TANKER - FIRE APPARATUS, LLC
1827 Hobbs Drive
Delavan, WI 53115

contact person **Joe Lee**
phone number **262-347-3409**
fax number **262-725-7000**

SPENCER MANUFACTURING, INC.
165 Veterans Boulevard
South Haven, MI 49090

contact person **Grant Spencer**
phone number **269-637-8721**
fax number **269-639-1697**

W.S. DARLEY & CO.
325 Spring Lake Drive
Itasca, IL 60143 - 2072

contact person **Peter Darley**
phone number **708-345-8050**
fax number **708-345-8993**

E-ONE, INC.
1601 Southwest 37th Avenue
Ocala, FL 34474

contact person **George Logan**
phone number **352-861-3620**
fax number **352-237-1151**

PRECISION FIRE APPARATUS, INC.
524 South Business Route 5
Camdenton, MO 65020

contact person **Olin Meadors**
phone number **573-216-0175**
fax number **573-346-7015**

KOVATCH MOBILE EQUIPMENT CORP.
One Industrial Complex
Nesquehoning, PA 18240

contact person **Jason Witmier**
phone number **570-669-5562**
fax number **570-669-5268**

ROSENBAUER SOUTH DAKOTA, LLC
100 Third Street
Lyons, SD 57041

contact person **Donley Frederickson**
 phone number **605-543-5591**
 fax number **605-543-9701**

CUSTOM FIRE APPARATUS
509 68th Avenue
Oceola, WI 54020

contact person **Tim Allaband**
 phone number **484-888-3276**
 fax number **610-696-4802**

PIERCE MANUFACTURING, INC.
2600 AMERICAN DR.
APPLETON, WI 54914

contact person **James A. Sims**
 phone number **412-848-0474**
 fax number **724-733-1169**

Option Page

The following options are for your consideration.

Option # 1

**Supply a Panasonic Tough Book as per apparatus currently in service with a power adapter
ADD.... \$3,640.00 per unit**

Option # 2

Option to hold pre-construction meeting at Keystone Fire Apparatus, Inc.
The pre-construction conference will be held in our dealer's facility in McKees Rocks, Pennsylvania. A factory representative from Spencer Manufacturing Inc. will be brought to Keystone Fire Apparatus, Inc. with necessary documentation to conduct this meeting allowing the City to get the order processed quicker and more time beneficial to truck committee. 3D CAD system will be at Keystone for any questions or concerns.

Upon choosing this option the City can deduct a [1] time charge of \$3,120.00

Upon choosing this option the City can deduct \$1,304.00 of each truck ordered.

Option # 3

An aluminum roll-up door guard or drip pan shall be installed for the roll-up door. The fabricated guard prevents equipment from rubbing on the door and deflects accumulated moisture out of the compartment.

ADD...\$840.00 per unit

Clarifications to Bid Specifications

The following represents our proposal as it relates to your published specifications:

Page	Item	
5	Discount	We hereby propose to offer a discount of <u>.56%</u> (.0056) of the total price of items awarded, subject to a successful pre-payment amount of 40% (.40) of total price of items awarded, paid at or before 180 days after proper execution of a signed contract by the purchaser.

Option

If speedlay pump panel configuration is wanted, add \$5,000.00

Clarifications

Page 12: Darley proposes a Ten (10) year pump warranty vs. the Five (5) year warranty in bid spec

Page 12: Darley proposes a Lifetime Warranty on the body vs. 20 year warranty in the bid spec.
Further, the copolymer body proposed by Darley does not encounter the issues of dissimilar metals and resultant chemical / electrolysis and therefore does not require specialized adhesives or corrosion barriers be placed between the body and attachments to the body.

Page 23: LH PTO Darley is supplying is Chelsea Model 277-XMFJP-B5RB as Model 277-XMFJP-B5RA specified in bid spec is an invalid part code

Page 25: Darley will be providing Front Axle Cramp Angle of 48 degrees left and 44 degrees to the right as that is the only option available for the 20,000# axle chosen. The 18,000# axle would meet the criteria of the bid spec for a 50 degree cramp angle and would be sufficient per Darley engineering.

Page 26: The spec calls for dual rear wheels, both of which are aluminum. The Darley bid spec will provide wheel guards placed between the two wheels to prevent chemical / electrolysis bonding of the two surfaces. This is provided over and above the level of specification and in the best interest of ease of maintenance.

Page 28: The front bumper was changed to 14" per addendum

Page 29: Front bumper apron was changed from 6" to 14" to match the bumper length

Page 51-52: Reference to metal body components do not apply to the Copolymer Polybilt body specified in the Darley Bid Proposal,.

Page 54: The ladder storage is enclosed. The pike pole is stored within the enclosed ladder storage.

Page 54 - 57: Pump Specifications are changed to those of the Darley EM as proposed in the Darley Bid Submission

Page 63: Master intake and Master Discharge Gauge are not provided as that function is integrated into the Darley Pressure Governor System.

Page 64: Foam Tank and Water Tank Gauges are FRC in Darley Bid Proposal.

Equipment Section: Actual radio and mobile terminal type installations will be the Department's responsibility
Darley provides the provisions for installation of the units.

We thank you for the opportunity to bid these specifications and for your consideration.

The Darley Company

CITY OF PITTSBURGH exceptions and clarification

Page 12 stainless steel warranty per specifications

Page 12 We use a Sikkens paint plus we use FRP panels on the body so we are painting them instead of the body. If you need to paint the truck from heat, collision or other damage you just replace the painted panel. This will save the City at least 20 - 30 thousand dollars over the life of the truck.

(Sample enclosed)

Page 14 inspection trip will be by van since we are 205 miles to our plant

Page 15 dimensions per our proposal

Page 17 Chassis to be an E-One Typhoon which exceeds the specification. Spartan Motors, Inc. has chosen only to do business with builders that do not build their own chassis.

Page 25 cramp angle is 45 degrees

Page 30 batteries to be quantity 5

Page 38 grill to be chrome polycarbonate

Page 42, Page 46 switches to be on the overhead above driver and the cab dash

Page 51 - 53 body to be 304L stainless 12 gauge sheet with a 6 gauge stainless steel sub frame and stainless 16 gauge shelving

Page 52 hose bed to be 65" high

Page 52 compartments per our proposal which provides more usable space

Page 60 discharges to be in hose bed

Addendum #1 marked for compliance or not applicable

Addendum #2 marked for compliance with the changes on the pages 69-70 on specification

EXTENDED WARRANTY OFFERINGS

CITY OF PITTSBURGH FIRE DEPARTMENT

BUMPER TO BUMPER CHASSIS EXTENDED WARRANTY

Pierce 2 year chassis bumper to bumper warranty	\$2,932.00
Pierce 3 year chassis bumper to bumper warranty	\$5,331.00
Pierce 4 year chassis bumper to bumper warranty	\$8,797.00
Pierce 5 year chassis bumper to bumper warranty	\$12,796.00
Pierce 6 year chassis bumper to bumper warranty	\$15,995.00

BUMPER TO BUMPER BODY EXTENDED WARRANTY

Pierce 2 year body bumper to bumper warranty	\$2,859.00
Pierce 3 year body bumper to bumper warranty	\$5,198.00
Pierce 4 year body bumper to bumper warranty	\$5,878.00
Pierce 5 year body bumper to bumper warranty	\$12,476.00
Pierce 6 year body bumper to bumper warranty	\$15,595.00

**Exceptions to Specifications
Information and Clarifications**

Performance Bond

Pierce Manufacturing will provide a performance bond if we are the successful bidder. "Notwithstanding any document or assertion to the contrary, any surety bond related to the sale of a vehicle will apply only to the One Year Basic Limited Warranty for such vehicle. Any surety bond related to the sale of a vehicle will not apply to warranties (if any) of any third party of any part, component, attachment or accessory that is incorporated into or attached to the vehicle. In the event of any contradiction or inconsistency between this provision and any other document or assertion, this provision will prevail."

Body Warranty - Page 12

City of Pittsburgh specifications call for a 20 year corrosion perforation warranty. Pierce Manufacturing provides a corrosion perforation warranty of ten (10) years. Our body structure warranty is ten (10) years as well. All warranties are clearly and plainly stated.

Paint Warranty - Pg. 12

City of Pittsburgh specifications call for a 10 year paint warranty. Pierce Manufacturing provides a paint warranty of ten (10) years which is pro-rated over the ten (10) year term. All warranties are clearly and plainly stated.

Angle of Approach and Departure - page 15

The angle of approach and departure will be determined by options provided on the chassis and body. These options may affect the angle of approach and departure, and 15 degrees may not be attainable. However, the angle of approach and departure will be as great as possible and will meet all NFPA requirements.

Painting - Pg 16

Pierce Manufacturing uses a complete Sikkens paint process. The Sikkens Company works closely with Pierce to insure that the customer is provided with the best possible paint finish and the best comprehensive warranty system. A 10 year pro-rated warranty for paint work is provided and backed by Sikkens. The colors will be matched to guarantee that the colors match current PBF apparatus.

Frame Paint - Pg. 17

The frame and cross members will be completely painted for full protection.

Gross Axle Weight Rating, Front - Pg. 18

The front gross axle weight rating will be 19,500 pounds. This will be more than adequate to handle the anticipated load of the vehicle.

Cab Engine Tunnel - Pg. 19

The engine hood shall be constructed of insulated aluminum.

The engine hood shall be insulated for protection from heat and sound. The noise insulation shall keep the decibel level within the limits stated in the current NFPA series 1900 pamphlet. Engine fluid checks can be made from an access panel in the engine tunnel.

Fluid Fills - Pg. 19

The windshield washer fluid fill is located inside of the cab on the officer side and not at the left side mid step area as requested.

Remote Throttle Harness - Pg. 20

Specifications call for a wiring harness to be supplied ending at the rear of the cab. This is to connect to the chassis harness for the pressure governor and other componentry. Since we are a true single source manufacturer, this is not necessary as all components are wired as a complete unit during the build process. Our harnesses are built to Pierce specifications and quality controlled to be certain of optimum performance

Diesel Exhaust Fluid Tank - Pg. 22

Pierce Manufacturing will provide a Diesel Exhaust Fluid Tank that holds 4.6 gallons of Diesel Exhaust Fluid. The location of this tank will be in the driver side rear fender panel and not under the rear of the cab as requested.

Fuel Filter/Water Separator - Pg. 24

Pierce Manufacturing will provide a Racor Fuel/Water Separator on the specified Cummins engine. All related accessory items will be provided as well. This item will meet / exceed the functions requested in your specifications.

Fuel Tank - Pg. 24

We must take exception to your requirements for the fuel tank and related equipment. We are providing a sixty-five (65) gallon fuel tank. We do this so that the apparatus will be able to complete the third party NFPA pump test. NFPA Section 16.13.2.3.3.2 states: "The pump shall not be stopped until after the 2 hour test at rated capacity, unless it becomes necessary to clean the suction strainer. While flowing 2000 gpm for 2 hours under full load, it is marginal at best that the vehicle can complete the pump test before running out of fuel when using fifty (50) gallon fuel tank. Our fuel tank specifications are clearly stated.

Front Axle - Pg. 24

The front axle provided will be a Meritor axel, Model FL-941, with a rated capacity of 18,000 pounds.

It will be a reverse "I" beam type with inclined kingpins.

Front Axle Cramp Angle - Pg. 25

The cramp angle for the front axle will be 45 degrees to both the left and right.

Power Steering Gear Pg. 25

A Ross TAS-85 steering gear, 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 TRW model EV hydraulic pump with integral pressure and flow control. All power steering lines shall have wire braided lines with crimped fittings.

A tilt and telescopic steering column shall be provided to improve fit for a broader range of driver configurations.

Front Bumper - Pg. 28

We will provide a 16 inch front bumper extension and not an 18 inch extension as requested. All other features that you have requested will be included.

Electronic Siren Speaker - Pg. 29

The electronic siren speaker (Federal BP200-EF) that you have specified will not be NFPA compliant when paired with the electronic siren that you have requested. Therefore, we will provide a Whelen electronic siren speaker.

Rear Body Tow Eyes - Pg. 29

In place of the rear tow eyes that are requested, Pierce manufacturing will provide a rear tow bar that shall be installed under the tailboard at center of truck. This tow bar assembly shall be fabricated of 1.00" CRS bar rolled into a 3.00" radius. This tow bar assembly shall be constructed of .38" structural angle. When force is applied to the bar, it shall be transmitted to the frame well.

Tow bar assembly 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.

Alternator - Pg. 30

We have provided a larger alternator than the 270 amp alternator that you have specified. A preliminary evaluation of the potential load for this truck indicates a 320 amp alternator would provide better performance.

Battery Box Cover - Pg. 30

Battery box covers will be provided. However, these covers will be fabricated out of aluminum treadplate material rather than what was specified.

Apparatus Body Electrical - Pg. 33

Clarification is needed with regard to this section. Since we build the entire apparatus in our facility, there is no need to specify the wiring design and installation of the chassis builder and the body builder. Our design, manufacturing and installation more than meets and exceeds your requirements.

Cab - Pg. 37

General Exception

There are many fire apparatus manufacturers in the United States. Each of them uses specific and particular construction techniques in the design and construction of their vehicles.

Just as Ford Motors cannot build a Chrysler or a Chevrolet, we cannot build a truck that is identical to your specifications which have many items that are proprietary and specific to other fire apparatus manufacturers. We have tried to call out the differences but might possibly have missed a few. There might be small differences in dimensions, build techniques, components, etc. Rest assured that this vehicle that we will provide for you will meet or exceed your expectations and will perform the function you need for years to come.

Please be advised that our proposal specifications are exactly what we will provide for you.

Cab Paint Exterior - Pg. 38

Cab Paint Manufacturer

Cab Paint Primary / Lower Color

Cab Paint Secondary / Upper Color

As previously stated, Pierce manufacturing uses a complete Sikkens paint process. The Sikkens Company works closely with Pierce to insure that the customer is provided with the best possible paint finish and the best comprehensive warranty system. A 10 year pro-rated warranty for paint work is provided and backed by Sikkens. The colors will be matched to guarantee that the colors match current PBF apparatus.

Cab Paint Warranty - Pg. 38

City of Pittsburgh specifications call for a 10 year paint warranty. Pierce Manufacturing provides a paint warranty of ten (10) years which is pro-rated over the ten (10) year term. All warranties are clearly and plainly stated.

Cab Tilt Lock Down Indicator - Pg. 40

A lighted indicator showing that the cab is not secured is not provided.

Cab Windshield - Pg. 40

The Pierce Saber cab windshield is a 2 piece design with a size of 2754 square inches. This size is slightly smaller than that specified. Other cab window sizes may vary slightly with what is specified.

Climate Control - Pg. 41

Again, the climate control system is proprietary to one specific manufacturer. We have provided all functions in our custom chassis. Our air conditioning system and heating system will meet or exceed all of your requirements.

Cab Floor - Pg. 42

City of Pittsburgh specifications are specific to the Mebac flooring. However, this product does not meet the requirements established by the NFPA. Therefore, we are providing Line-X flooring which does meet the NFPA requirements.

Engine Tunnel - Pg. 42

The engine tunnel will provide for an access panel for engine fluid checks. It will be finish painted and covered with a non-slip vinyl covering.

Steps - Pg. 42

The cab entry steps will be furnished with Morton Cass slip resistant flooring and not with Grip Strut grating as specified.

Under Cab Access Door - Pg. 43

The access door is not provided. The DEF tank is located at the driver side rear fender panel on the Pierce custom fire apparatus chassis.

Dash Panel Group - Pg. 43 - 47

The section specifying the layout of the dash board accessories is also proprietary to one specific chassis manufacturer. Pierce Manufacturing will provide all the specified items however; the layout and configuration may vary from what you have specified.

Seat Material - Pg. 47 - 48**Driver's Seat****Officer's Seat****Rear Facing Crew Seat****Forward Facing Crew Seat**

City of Pittsburgh specifications call for H.O. Bostrom Firefighter series seats with the Bostrom SecureAll SCBA brackets. Pierce Manufacturing will provide a seat specifically designed and manufactured for Pierce by Seats Inc. These seats will meet and/or exceed your requirements. We will also provide the "Hands-Free" SCBA brackets in the specified seat positions. These brackets are inertia based and require no pull levers or straps.

Windshield Washer Fluid Level Indicator - Pg. 50

A lighted message will not be provided to indicate that there is a low level of windshield washer fluid.

Body, Compartments & Equipment Mounting - Pg. 51**Minimum Specifications for Aluminum Body Superstructure**

Pierce Manufacturing will provide an aluminum body for this project. Our standard body build procedure is to provide a steel substructure with reinforcements for the body. The backbone of the support system will be the chassis and is designed for sustaining maximum loads. The support system will include .375" thick steel vertical angle supports bolted to the chassis frame rails with .625" diameter bolts. Attached to the bottom of the steel vertical angles will be horizontal angles, with gussets welded to the vertical members, which extend to the outside edge of the body. A steel frame will be mounted on the top of these supports to create a floating substructure which will result in a 500 pound equipment support rating per lower compartment. The floating substructure will be separated from the horizontal members with neoprene elastomer isolators. These isolators will reduce the natural flex stress of the chassis from being transmitted to the body.

Hose Bed Height - Pg. 52

The floor of the hose bed will be approximately 66" from the ground.

Generator - Pg. 66

Clarification: A Smart Power Model HR-8 hydraulic generator will be provided.

**CITY OF PITTSBURGH, PA
CUSTOM PUMPER**

EXCEPTIONS AND CLARIFICATIONS

PAGE OMITTED PG --4

Document was omitted from Customer's Bid page 4

CHASSIS AND VEHICLE COMPONENTS PG - 17

KME is proposing a KME custom chassis. The chassis being proposed will meet the intent of the fire departments specifications.

FRAME PG - 17

KME will provide a KME custom frame that will meet the intent of the fire department specifications

FLUID FILLS PG - 19

The windshield washer fill will be accessible through the engine enclosure access door.

ELECTRONIC ENGINE OIL LEVEL INDICATOR PG - 20

KME will not be providing an electronic oil level indicator

ENGINE COOLING SYSTEM PG - 20

KME will be providing a KME custom cooling system that will meet the intent of the fire department specification.

DIESEL EXHAUST FLUID TANK PG - 22

KME will provide a five gallon DEF tank.

FUEL LINES PAG - 24

KME will provide black rubber fuel lines.

FUEL TANK PG - 24

KME will provide a steel fuel tank.

FRONT SHOCK ABSORBERS PG - 24

KME will provide KONI adjustable shocks.

FRONT SUSPENSION PG - 25

KME will provide a KME front suspension rated at 21500 pounds

ELECTRONIC POWER STEERING FLUID LEVEL INDICATOR PG - 25

KME will not be providing an electronic power steer fluid level indicator.

POWER STEERING GEAR

KME will provide dual Sheppard steering gears model M110 and model M90

AIR SUPPLY LINES PG - 28

KME will provide color coded air tanks and matching color coded air lines to meet the intent of the fire department specification.

BATTERY PG - 30

KME will provide Exide brand batteries

DRIVING AND CREW AREAS PG - 37

KME is proposing a KME custom cab. The cab being proposed will meet the intent of the fire department specifications. All of the paragraphs marked as noncomplilant on pages 37 - 50 are manufacture proprietary and the KME proposal will meet or exceed the fire department specification.

BODY, COMPARTMENTS, AND EQUIPMENT MOUNTING PG - 51

KME is proposing a KME formed body. The body being proposed will meet the intent of the fire departments specifications.

LOOSE EQUIPMENT**MCGARD HYDRANT WRENCH FOR LOCKING HYDRANT PG - 69**

The McGard hydrant wrench can only be purchased by the fire department with the authorization of the local water department.

HYDRANT ADAPTER BLISS X 4 1/2"

The Bliss x 4 1/2" hydrant adapter is discontinued.

AMENDMENT ONE

DRIVING AND CREW AREA

KME can't paint the floor and back half of the doghouse with grey Mebac Grit.

BODY, COMPARTMENTS AND EQUIPMENT MOUNTING

KME inner fender wells are aluminum material and bolted in place for each replacement.

Pittsburgh Fire Department
Pumper Proposal
Exceptions and Clarifications

Overview

Precision Fire Apparatus has been building extremely high quality, custom fire apparatus for more than twenty years. As a true custom builder, Precision has the ability to construct a fire apparatus to virtually any specification. As such, there are no exceptions in the Precision proposal with the exception of the clarifications below.

ITEM	LOCATION	PITTSBURGH SPECIFICATION	PRECISION PROPOSAL
Overall Length	P. 9 pp.1	In this section of the specification maximum overall length is set at 28 ft. Further on, the specification sets the maximum overall length at 344 in.	Precision proposes to construct the vehicle with a 342 in. overall length.
Cab Interior Surface Treatment	P. 39 pp. 8	Interior painted surfaces to be sprayed with Line-X brand coating	<p>The Precision proposal is based upon construction of an aluminum body to the specification.</p> <p>Precision will also provide stainless steel construction built to the specification if preferred by the Pittsburgh Fire Department.</p> <p>There will be NO difference in cost between the aluminum body specified or the optional stainless steel body.</p>

City of Pittsburgh - ELA-36-11-2
2000 GPM Pumper Fire Apparatus
February 17, 2012

GENERAL BID INFORMATION CLARIFICATIONS:

Ref #1: Page 4: Penalty Clause: Penalty Clause will begin at day 296 after receipt of Purchase Order by Rosenbauer America. Any change order items requested by the purchaser may extend the beginning of the penalty clause these may also delay delivery time stated.

Ref #2: Additional Discounts Available: Please refer to additional discounts page in the proposal section of the bid package.

See Rosenbauer Proposal Section of Bid Package

Ref #3: Page 14: Inspection Trips: It is the intention of Rosebauer America to manufacturer the two (2) apparatus on a parallel production schedule. Mid-Inspection and Final Inspection for the six (6) Fire Department Representatives will be held at our manufacturing facility in Lyons, SD. Each inspection trip shall be conducted to allow for the two (2) apparatus to be inspected simulataneously.

Rosenbauer Specification Page 24

BODY BUILDER SPECIFICATION CLARIFICATIONS:

Ref #4: Page 1: Aluminum apparatus body superstructure: Rosenbauer will provide the following that **EXCEEDS** requested specification.

Please refer to Body Construction Section of the Rosenbauer Specification, Page 118

WEIGHT AND BALANCE PROJECTIONS

Rosenbauer engineering has provided weight and balance analysis information has been provided for your review at the

beginning of the specification section of this proposal.

Our consultants are available to answer any questions you might have in reference to this analysis.

Please refer to the Rosenbauer Specification Section of the proposal.

APPROXIMATE CENTER OF GRAVITY (CALCULATED)

Rosenbauer engineering has provided a calculated approximate center of gravity analysis per NFPA requirements. This information for your review has been provided at the beginning of the specification section of this proposal. Since the Spartan Chassis has Electronic Stability Control installed the apparatus can exceed the NFPA recommended 80% center of gravity. ESC must be installed to meet NFPA or a physical Tilt Table Test must be performed on the apparatus upon completion. With ESC installed this apparatus will meet applicable NFPA 1901-2010 standards.

Please refer to the Rosenbauer Specification Section of the proposal.

Ref: 5: Refer to Addendum #1: Driving and Crew Area: "U" shaped Parking Brake control protection bracket shall be installed at Rosenbauer America or their dealer. Spartan Chassis will not provide. It has been included in the proposal specifications. **Page 151**

EXCEPTIONS TO SPECIFICATIONS

City of Pittsburgh ELA

Ref: ELA 36-11-2

February 17, 2012

Page 51 - MINIMUM SPECIFICATIONS FOR ALUMINUM APPARATUS BODY SUPERSTRUCTURE - complete body and underbody support system will be constructed with 304L 12 gauge stainless steel.

Page 51 - Compartment Interiors: Complete body and underbody support system will be constructed with 304L gauge stainless steel.

Page 51 - Rear Wheel Well Openings: Complete body and underbody support system will be constructed with 304L 12 gauge stainless steel.

Page 51 - Pumper Body and Hose Bed: Complete body and underbody support system will be constructed with 304L 12 gauge stainless steel.

Page 53 - Rear Body: Complete body and underbody support system will be constructed with 304L 12 gauge stainless steel.

Page 54 - Adjustable Shelf Track: Shelf tracks will be laser cut into the 304L 12 gauge stainless steel compartment side walls.

Page 54 - SCBA Bottle Compartments: SCBA bottle compartments will be constructed on 304L 12 gauge stainless steel.