



CITY OF KODIAK
POST OFFICE BOX 1397, KODIAK, ALASKA 99615

Finance
907-486-8656 Voice
907-486-8600 Fax

Cover Sheet Page 1 of 42
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Attached Supply Agreement Pages 1 to 6

Invitation to Bid

(1) City of Kodiak reserves the Right to accept or reject bids on any part or all items.

(2) Prices quoted must be FOB Kodiak, Alaska.

BIDS RECEIVED BY THE CITY MANAGERS OFFICE AFTER TIME/ DATE SPECIFIED FOR THE OPENING OF BIDS, WILL NOT BE CONSIDERED AND WILL BE RETURNED UNOPENED.

PLEASE RETURN THIS INVITATION TO BID BY THE DATE AND TIME SHOWN BELOW OR BID WILL BE REJECTED

DATE OF INVITATION

TIME AND DATE OF OPENING

January 13, 2019

3:00 P.M. February 14, 2020

Bid No. 2020-004

The City of Kodiak is accepting sealed bids to purchase one (1) new, (2020 model, or newer) Fire Department Light Rescue Vehicle meeting the included specifications.

The City requires all shall be standard factory equipped with the bid specifications. Bid should be mailed or hand carried to the City Manager Office at 710 Mill Bay Road, Room #114, Kodiak, Alaska 99615.

Bids will be opened at 3:00 p.m. Friday, February 14, 2020, in conference room #116 at 710 Mill Bay Road, Kodiak, Alaska. 99615.

0

GENERAL INSTRUCTIONS

0.1

It is the intent of these specifications to secure one new, unused Light Rescue Vehicle constructed to withstand the severe and continuous use encountered during emergency service.

COMPLY	YES	NO
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0.2

The Light Rescue Vehicle shall be the latest type, carefully designed and constructed with due consideration to the nature and distribution of the load to be sustained. Bidder is required to provide weights of similar vehicles for comparison.

1. Vehicle Type _____ Year _____
Body Length _____
Unloaded Weights:
Front : Left _____ Right _____
Rear: Left _____ Right _____
Total Curb Weight _____
Owner of Vehicle _____
Contact Person _____

2. Vehicle Type _____ Year _____
Body Length _____
Unloaded Weights:
Front : Left _____ Right _____
Rear: Left _____ Right _____
Total Curb Weight _____
Owner of Vehicle _____
Contact Person _____

3. Vehicle Type _____ Year _____
Body Length _____
Unloaded Weights:
Front : Left _____ Right _____
Rear: Left _____ Right _____
Total Curb Weight _____
Owner of Vehicle _____
Contact Person _____

COMPLY	YES	NO
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0.3

These specifications detail the requirements for general design criteria of engine, transmission, electrical, body, painting, and equipment. In evaluating the bid proposals to determine which proposal is the most advantageous, these major items shall be considered.

1. Conformity to the Specifications.
2. Bidders past performance with this and other agencies.
3. Manufacturers past performance with this and other agencies.
4. Bidders ability to service vehicles for this agency.
5. Cost of vehicles after adjustments for exceptions taken.

COMPLY YES NO_

0.4

Light Rescue Vehicle and equipment must meet the specific requirements and the intent of the requirements as specified herein. All items of these specifications shall conform to the character of the proposed Light Vehicle and the purpose for which it is intended.

COMPLY YES NO

0.5

The Light Rescue Vehicle and equipment to be furnished in meeting these specifications must be the product of an established reputable emergency vehicle QVM certified manufacturer. Each bidder shall furnish satisfactory evidence of the manufacturer's ability to construct, supply service, parts, and provide technical assistance for the vehicle specified. Bidder shall provide name, address, and phone number of the nearest facility which meets the following criteria.

1. Facility is under direct control of bidder to insure prompt service.
2. Facility has the needed equipment, (i.e., press brake, shear, plasma cutter, paint booth, etc.) to fabricate major body parts.
3. Facility has the ability and authority to properly remount module body bid without affecting manufacturer's warranties.
4. Facility is a Ford QVM member.
5. Facility is a member of NTEA (National Truck equipment Association)

Name _____

Address _____

Phone _____

COMPLY YES NO

0.6

The manufacturer shall defend any and all suits and assume all liability for any claim against the purchaser for the use of any patented process, device, or articles forming any part of the emergency vehicle proposed. Each bidder shall supply proof of \$5,000,000 product liability and facility insurance or show proof of being listed on manufacturer's \$5,000,000 product liability and facility insurance policy.

COMPLY YES NO_

0.7 The vehicle shall be tested and approved prior to delivery, and all records of same shall be submitted at time of delivery. Bidders shall state the amount of mileage the vehicle will have on it at the time of delivery.

Approximate mileage at delivery _____

COMPLY YES NO_

0.8 The manufacturer shall supply one (1) copy of parts, service, and operational manuals at delivery of the proposed Light Rescue Vehicle . Manuals shall include "As Built" body wiring diagrams.

COMPLY YES NO_

0.9 Bidder shall compute pricing less Federal and State taxes. It is understood that any applicable taxes will be added to the proposed prices unless the purchaser furnishes appropriate tax exempt forms. The proposal form contained herein shall be used by all bidders.

COMPLY YES NO_

0.10 Bids shall be addressed and submitted in accordance with the "Call For Bid Cover Letter". Bid envelope must be identified with the words "**Light Rescue Vehicle Bid**", the opening date, and time on the face of the envelope.

COMPLY YES NO_

0.11 It is the bidders' responsibility to see that their proposals arrive on time. Late proposals, telegrams, fax, e-mail or telephone bids will not be considered.

COMPLY YES NO_

0.12 The bidder shall state the number of calendar days required for delivery of the completed vehicle after receipt of order by the manufacturer.

COMPLY YES NO_

0.13 All bid prices shall be F.O.B. Kodiak Island, Alaska on a delivered and accepted basis. A delivery allowance will be shown on the proposal page as a separate deduct amount, complete with details explaining the delivery procedure.

COMPLY YES NO_

0.14 The successful bidder will be responsible for preparing and maintaining a record file of all parts and assemblies used to manufacture the emergency vehicle. These records shall be maintained in the factory of the bidder for the life of the apparatus. File shall contain copies of any and all reported deficiencies, all replacement parts required to maintain the apparatus, and original purchase documents including specifications, contract, invoices, incomplete chassis certificates, quality control reports, and final delivery acceptance documents.

COMPLY YES NO_

0.15 Due to the technical nature of this project, bidders are required to provide detailed drawings and detailed specifications of exactly what they are proposing. Bids not providing these required support documents shall be deemed non-responsive and rejected. Drawings shall include four (4) exterior views showing lights, equipment, stripes, lettering, etc. and four (4) interior drawings showing cabinets, benches, equipment placement, etc. The use of standard drawings and standard specifications or copies of bid drawings does not constitute detailed drawings and detailed specifications and shall not be considered. In order to make evaluations of proposals as quick and concise as possible, manufacturers detailed specifications shall be in the same order as the bid document. Minor details of construction and materials, where not otherwise specified, are left to the discretion of the contractor, who shall be solely responsible for the design and construction of all features.

COMPLY **YES** **NO**

0.16 Some items have been specified by brand name or model number. These have been carefully selected because of their reliability, the availability of parts and service, or uniformity with this department. In order to be responsive, items specified by brand name and or part number named shall be contained in bid proposals.

COMPLY **YES** **NO**

0.17 Each bidder must indicate compliance with these specifications by checking "Comply Yes / No" below each section of these specifications. Checking "Yes" will indicate complete compliance with that section; "No" will indicate an exception is being taken. Bidder must underline in red ink any portion of the section which will not be provided as specified. All exceptions must be fully explained on a separate page, giving reference to the page number and the section where the exception is being taken. Sufficient explanation and documentation shall be provided so that this agency may evaluate exception. Failure to comply with these requirements will result in automatic rejection of the entire proposal.

COMPLY **YES** **NO**

0.18 Proposals taking total exception to specifications will not be accepted.

COMPLY **YES** **NO**

0.19 The purchaser reserves the right to accept or reject any and all bids on such basis as the purchaser deems to be in its best interest, and is not bound to accept low bid.

COMPLY **YES** **NO**

0.20 The purchaser reserves the right, before awarding the bid, to require a bidder to submit evidence of their qualifications as may be deemed necessary.

COMPLY **YES** **NO**

0.21 All equipment furnished shall be guaranteed to be new and of current manufacture and to meet all requirements of these specifications. Workmanship shall be of high quality and accomplished in a professional manner so as to ensure a safe and functional apparatus.

COMPLY **YES** **NO**

0.22 Manufacturer shall warrant new apparatus of its own manufacture against defective workmanship and materials for a period of at least two years from the date of delivery to the purchaser. Under this warranty, manufacturer's liability is limited to furnishing purchaser, without cost, parts and labor required to replace defective material or workmanship when there is no indication of misuse, neglect, improper maintenance, accident, or overloading the apparatus. All manufacturer's warranties provided to bidder, if any, shall be transferred by bidder to City upon delivery of the vehicle. Defects shall be reported to seller in writing by the purchaser within the warranty period. Parts and labor will be supplied after inspection by an authorized agent of the manufacturer. Defective parts shall be returned prepaid by purchaser to seller when requested. Warranty shall begin upon acceptance of the manufactured apparatus by the purchaser. All warranties included with this proposal shall be provided by the respective manufacturer, fully transferable to City as applicable and included with bid proposal. This warranty requirement is in addition to other warranty requirements identified in these specifications.

COMPLY **YES** **NO**

0.23 In the event the unit fails to meet the specified requirements, the purchaser has thirty (30) days to notify the contractor in writing of corrections required. Failure to make such changes as the purchaser may consider necessary to conform to any clause of the specifications, within thirty days of notification, shall be cause for rejection of the unit.

COMPLY **YES** **NO**

0.24 All bidders shall provide bid security in the amount of ten percent (10%) of the total bid price, payable by bidder to the purchaser. Such security may be in the form of a bid bond in form and from a surety company reasonably acceptable to purchaser, a cashier's check, or other security acceptable to purchaser. Bonds which do not show the bidder as "principal" shall be rejected as unenforceable and bid deemed non-responsive. In case of failure or refusal of the successful bidder to enter into a contract, the bid security submitted with the bid may be forfeited as liquidated damages because of such a failure.

COMPLY **YES** **NO**

0.26 Bidder shall provide a **pre-build meeting and a final inspection meeting** at the manufacturing facility. If the bidder is not in the full time employment of the company who will manufacture the vehicle, he is required to attend both of these meetings. Bidder shall be responsible for the following expenses, to include airfare, ground transportation from airport to plant and return, meals and lodging if necessary. **Pre-build meeting shall be for one (1) person from purchaser. Final Inspection meeting shall be for one (1) person from the purchaser.**

COMPLY **YES** **NO**

0.27 As this agency expects to remount this vehicle at some future date bidder shall supply a copy of the manufacturer's current remount warranty with the bid. If the manufacturer does not provide remount services bidder shall provide the name, address, phone, and history of the company who does provide the remount services, a current copy of their remount warranty and \$5,000,000 product liability insurance policy.

COMPLY **YES** **NO**

0.28 **FORCE MAJEURE**

The seller shall not be charged with liquidated damages or any excess cost when delay in delivery of goods is due to:

1. Any preference, priority of allocation order duly issued by the Government;
2. Unforeseeable cause beyond the control and without the fault, or negligence of the Seller, including but not restricted to, acts of God, or of the public enemy, acts of the Buyer, acts of another Contractor in the performance of a contract with the Buyer, fire, flood, epidemics, quarantine restrictions, strikes, freight embargoes, and unusually severe weather; and
3. Any delays of subcontractors occasioned by any of the causes specified in the two immediately preceding clauses.

Provided that the Seller shall, within seven (7) days from the beginning of such delay, notify the Buyer, in writing, of the causes of the delay whereupon the Buyer shall ascertain the facts and extent of the delay and notify the Seller within a reasonable time of its decision in the matter.

COMPLY **YES** **NO**

INVESTMENT:

Year _____ **Make** _____ **Model** _____ **Price** _____
Sales Tax _____
Total _____

Payment Terms: The above vehicle price shall be based upon a 90% payment being made upon receipt of vehicle with the balance due in 30 days.

Drive out allowance included in above price _____

Pre-Build/ Inspection visit allowance
(One (1) Person for Pre-Build; one (1) Person for Final Inspection) _____

The price quoted above shall remain firm until _____

Delivery: Calendar days after receipt of order _____

Bidder _____

Signed _____

Address _____

Phone _____

Motor Vehicle Dealer License: State _____ **#** _____

**DETAILED SPECIFICATIONS
FOR
LIGHT RESCUE VEHICLE
KODIAK FIRE DEPARTMENT
KODIAK, ALASKA**

1 **CHASSIS**

1.1 **OEM CHASSIS**

- 2020 or newer Ford F-550 XLT Crew Cab, 4 x 4, meeting all the specifications of Section 1.01.
 - Fire/Rescue Prep Package w/EPA Special Emissions (47J)
 - 3 year/36,000 mile "Bumper to Bumper" warranty
 - 5 year/100,000 mile Powertrain warranty
 - Dual Rear Wheels
 - Provided by manufacturer

COMPLY	YES	NO
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1.1.1 **SPECIFIC RATINGS**

- Drive – 4 x 4
- G.V.W.R. – 18,000
- Front Axle – 7,000
- Rear Axle – 13,660
- Wheelbase – 203"
- Cab to Axle – 84"
- Front Spring Capacity – 7,000 lbs.
- Rear Spring Capacity – 13,660 lbs.
- Rear Differential – 4.10 ratio, limited slip wide track rear axle

COMPLY	YES	NO
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1.1.2 **POWER TRAIN**

- Engine
 - 6.7L Power Stroke V8 turbo diesel B20
 - Diesel Emission Fluid (DEF) system with operator-commanded regeneration
 - External oil cooler
 - Factory diesel package
 - Engine block heater
 - Heavy duty dry type air cleaner with flow restriction indicator
- Engine Cooling System
 - Heavy duty, closed-air, free-liquid state type
 - Coolant recovery system
 - 50/50 solution Permanent type antifreeze to –40 degrees F
- Transmission
 - TorqShift 10-speed automatic transmission with selectable drive modes
 - Tow/Haul Mode with Integrated Exhaust Brake
 - External oil cooler in chassis grille area
 - Electronic Shift on the Fly with auto-locking wheel hubs

- Exhaust System
 - System complies with Federal Motor Carrier Safety Regulations, Part 393.83
 - Suspended using three hangers, excluding manifold attachment
 - Discharge at right rear side of module
 - Tailpipe shall not terminate within twelve inches of the vertical axis of the fuel tank filler opening.

COMPLY	YES	NO
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1.1.3 STEERING

- Power-assisted
- Tilt steering wheel

COMPLY	YES	NO
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1.1.4 SHOCK ABSORBERS/STABILIZER BARS

- Heavy-duty shock absorbers front and rear
- OEM front and rear stabilizer bars

COMPLY	YES	NO
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1.1.5 BRAKES

- Heavy duty power-assisted four wheel ABS; front and rear disc
- Front 14.53" diameter; Rear 15.35" diameter
- Trailer Brake Controller

COMPLY	YES	NO
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1.1.6 TIRES AND WHEELS

- Seven OEM LT 225-70R-19.5G all-purpose steel belted radials
- Seven OEM 19.5" steel wheels
- OEM jack and tire changing tools
- Spare tire and wheel shipped loose

COMPLY	YES	NO
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1.1.7 ELECTRICAL

- Alternators – OEM Dual rated at 397 Amps total
- Batteries – OEM Dual 750 CCA each
- Stationary Elevated Idle Control

COMPLY	YES	NO
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1.1.8

INSTRUMENT PANEL AND CONTROLS

- Gauges
- Speedometer
- Tachometer
- Coolant Temperature
- Transmission Fluid Temperature
- Turbocharger Boost
- Fuel Level
- Indicator lights
- Odometer/Trip Odometer
- Cruise Control, with steering mounted controls
- Audio – OEM AM/FM
- SYNC 3 - Voice-Activated communications and entertainment system with AppLink and instrument panel compass display
- 8 " LCD Productivity Screen in IP Cluster with Compass Display
- Two USB Ports
- Ford Pass® Connect 4G WiFi Modem

COMPLY	YES	NO_
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1.1.9

CAB EXTERIOR

- Trim Level – XLT
- Bumper – Chrome
- Tow eyes –Two Front
- Mud Flaps – Two Front
- Horn – OEM dual electric
- Windows – Tinted safety glass
- Windshield wipers – Two-speed electric, washer and intermittent speed control
- Mirrors
 - Two black, below eye level, manually telescoping trailer tow
 - Power, heated glass, upper portion
 - Turn indicators and clearance lights on outside edge
 - Lower portion convex
- Lights
 - Headlamps – Auto High-Beam, Quad-beam halogen
 - Roof clearance light
 - Under hood service light
- Fuel – OEM 40 gallon tank

COMPLY	YES	NO
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1.1.10

CAB INTERIOR

- Trim Level – XLT
- Seats – OEM
 - Cloth 40/20/40
 - Combination lap and shoulder harness
 - Side door armrest
- Flooring – Black Vinyl
- Climate Control – OEM
 - Heavy duty, fresh air, high capacity heater/defroster
 - Dehumidifying air conditioning system
- Airbags
 - Driver and right-front passenger front
 - Front-Seat side
 - Safety Canopy System with roll-fold side curtain airbags
- Other
 - Dome light, with dual map lights
 - Auxiliary Power Point
 - Interior hood release
 - Power door lock & windows
 - Remote keyless entry w/Anti-Theft
 - Adjustable gas and brake pedals

COMPLY	YES	NO_
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1.1.11

COLORS

- Exterior – Race Red (PQ)
- Interior – Gray

COMPLY	YES	NO
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1.2

CHASSIS MODIFICATIONS

The following modifications will be made to the chassis by manufacturer.

1.2.3 X

SIMULATORS

Stainless steel Phoenix brand wheel simulators shall be installed on all outer wheels, with "Air Max" braided valve extenders on all four-rear wheels.

COMPLY YES NO

1.2.4

EXHAUST HEAT SHIELDS

Shall be formed from 20 ga. galvanized steel sheets with stamped reinforcements and formed edges. Access openings shall be provided for shock absorber, mounting bolts, etc. Heat shields shall be bolted to chassis frame and extend from back of cab to the frame cross member just behind the rear axle.

COMPLY YES NO

1.2.5 X

RUNNING BOARDS

Running boards made of 0.125" bright aluminum diamond plate with Grip Strut inserts embedded in the step surfaces below each door for an Ford F-550 crew cab shall be securely mounted on both sides of the chassis with OEM fasteners.

COMPLY YES NO

1.2.8

RECOVERY TOW EYES

Two rear recovery eyes, rated at 10,000 lb per pair, shall be installed in 6.75"W x 6.75"H x 4.375"D recessed pockets. Eyes shall be 1.8125"D, bolted to frame. These eyes shall not be used for towing or lifting of emergency vehicle.

COMPLY YES NO

1.2.9 A

MUD FLAPS

Black mud flaps shall be installed behind each rear wheel.

COMPLY YES NO

1.2.10

TIRES AND WHEELS

Six aftermarket steel wheels with Ironman I-605 ten ply studded tires shall be provided and shipped loose (Section 8.01 related). Wheels shall be tied down for transport.

COMPLY YES NO

1.02.16X

CHASSIS FLOORING

Aftermarket removable rubber floor mats shall be provided on top of cab flooring for the driver/passenger and rear crew cab floor areas.

COMPLY YES NO

1.02.21

CHASSIS LIGHTING

A 3" Red Lens Red LED pole light up indicating light shall be installed in the headliner (Section 6.12X related).

COMPLY **YES** **NO**

1.02.33X

TRAILER HITCH/PLUG

A Curt Group #31008 (or current PN) Class 3 front hitch receiver with 2" opening rated for 5,000 lb weight carrying capacity and 500 lb tongue weight shall be installed. Receiver shall be accessible through the front OEM bumper cutout.

A Class IV trailer hitch with 10,000-lb total rating and 1,000-lb tongue weight capacity shall be mounted below the rear bumper with 5/8" grade 8 bolts. Receiver opening shall be 2" square, and a round seven-pin connection with six flat pins and one round pin shall be provided.

COMPLY **YES** **NO**

1.02.43

CHASSIS MODIFICATIONS

A Ward No-Smoke Ward No Smoke system shall be installed by a Ward-certified installer.

COMPLY **YES** **NO**

1.02.55

MISCELLANEOUS ELECTRICAL CONNECTION

Deutsch weatherproof quick disconnects shall be installed between the cab and module for ease of servicing:

-The quick disconnect(s) between the chassis front harness and module electrical system shall be installed on the frame rail.

-The quick disconnect(s) between the driver's console and the module electrical system shall be installed behind the driver's seat in the rear of the cab.

COMPLY **YES** **NO**

1.02.60

CAB CONDUIT

A 5.5" conduit shall be installed between the cab and module located behind the driver's seat. The driver's console harness shall be routed through the conduit.

COMPLY **YES** **NO**

1.03 **MODULE-TO-CHASSIS MOUNTING SYSTEM**

1.03.01 **MODULE MOUNTING SYSTEM**

The module shall be bolted to the chassis frame in no fewer than twelve locations. Each mounting location shall include a hard rubber isolation pad between the chassis frame and the module lateral. The rearmost lateral(s) shall be connected to the frame extensions with 5/8" grade 8 bolts. All remaining laterals shall be connected with vertical 3/4" grade B7 eye bolts fastened to the frame rails with horizontal 3/4" grade 8 hex bolts. All bolts shall be secured with locking nuts.

COMPLY	YES	NO
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2

MODULAR CONSTRUCTION

All material utilized shall be of the correct type, alloy, and thickness to withstand the intended usage and provide protection against cracking, corrosion, or metal fatigue. All materials utilized shall be of open stock origin, commonly available through local sources, for rapid and economical repair or modification of the body. Any use of proprietary parts or materials in the construction of the body is unacceptable, due to potential delays or difficulties in future repairs or service. NO EXCEPTIONS TO BE TAKEN IN THIS AREA. This specification has been designed and written to fill specific needs of this agency. Where brand name, make, or model of equipment has been specified, no exceptions shall be allowed. Where compartment and cabinet sizes have been specified, bidder must bid substantially (plus or minus 1") the size specified.

The module shall have a transferable lifetime structural warranty.

	COMPLY	YES	NO_
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2.01

MATERIAL

EXTRUSIONS	SIZE	ALLOY
Structural Tubing	1" x 2" x 0.125" sq.	6063-T52
Structural Tubing	2" x 2" x 0.125" sq.	6063-T52
Cross Members	3" x 3" x 0.375"	6061-T6
Cross Members	1.5" x 0.25"	6061-T6
FORMED SHEETING		
	SIZE	ALLOY
Skin/Roof/Compartments/Subfloors/Doors	0.125"	5052-H22
Interior Cabinets	0.090"	5052-H22
Diamond Plate	0.125"/0.08"	3003-H22
Stainless Steel	16 ga., 20 ga.	304 # 4B

	COMPLY	YES	NO_
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2.2

MODULE DIMENSIONS

Overall Vehicle Dimensions (Specifications are listed as minimums.)

Length	26'	3.5"	315.50"
Width (excluding mirrors)	7'	10"	94.00"
Height (Approximate)	8'	2.50"	98.50"

Exterior Module Dimensions (Specifications are listed as minimums.)

Length	12'	3"	147.00"
Width	8'	0"	96.00"
Height	5'	11.375"	71.38"

	COMPLY	YES	NO_
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2.3 STRUCTURAL FRAMING

Side wall and rear wall construction shall consist of 2" x 2" x 0.125" aluminum square tubing extensions welded together with a maximum of 14" centers. 1" x 2" x 0.125" aluminum tubing may be utilized in addition to 2" x 2" tubing to accommodate custom compartment sizes. The bottom of the wall structure shall be sealed with a welded 2" x 2" tube, a 2" x 2" angle, or a 0.125" plate depending upon location. The wall structure shall be capped with a 2" x 4" x 0.125" header upon which a 2" x 2" x 0.125" roof structure is welded. This process provides a unitized roll cage structure for greater occupant safety. The front wall structure shall be constructed of formed aluminum channels to allow ample space for wiring raceways.

COMPLY	YES	NO
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2.4 FOUNDATION SYSTEM

The foundation system shall consist of a 0.125" aluminum sheet subfloor with foundation members securely welded under the subfloor. Transverse members (laterals) shall consist of 3" x 3" x 0.375" structural angles. 0.25" x 1.5" aluminum stringers shall span longitudinally between the laterals.

COMPLY	YES	NO
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2.5 MODULE SEAMS

All body and compartment seams at or below floor level shall be full-seam-welded. The entire perimeter of the subfloor shall be completely sealed with a caulking material, creating a watertight, dust-free module environment.

COMPLY	YES	NO
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2.6 EXTERIOR SKIN

A Norton NORBOND closed-cell, polyurethane foam tape with high-performance acrylic adhesive shall be utilized full length on all front and rear wall and roof frame members. A polyurethane adhesive sealant shall be applied to the edges of framing members that are bonded with NORBOND tape. An advanced two-part methacrylate structural adhesive shall be used to bond all side wall tubes to the exterior skin and door frames. The module shall be constructed utilizing full-size sheet construction to minimize body seams. There shall be no corner or mid-body seams.

COMPLY	YES	NO
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2.7 X

MODULE ROOF

In order to improve module strength and minimize exposed seams, the roof shall be seamed transversely, shall have a 1.5" radius along the edges, and shall be welded to 2" x 4" wall header tubes 4.75" below the roof line. The roof shall be supported by positive contact between sidewall framing and roof framing. All seams on the roof surface shall be continuously welded and body-worked on the outside. In order to avoid the possibility of paint and/or weld cracking, no extrusions shall be used in the exterior construction of the roof or corners of the module.

Four contoured, 3/8" aluminum plates, painted to match the module, shall be welded to the roof structure and project through the center of the roof to serve as anchorage for personal fall arrest equipment. Each anchorage is designed and rated for a single person only.

The module roof front and rear edges shall be constructed to allow mounting of recessed lightbars.

The module roof shall be overlaid with aluminum diamond plate (Section 3.15X related), excluding the forward and aft lightbar recesses. Anchor points shall protrude through the diamond plate.

COMPLY	YES	NO_
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2.8

MODULE EXTERIOR COMPARTMENTS

All compartments shall be constructed from formed 0.125" aluminum, securely welded to the subfloor and structural framing. A baffled drain hole shall be provided in all exterior compartment bottoms that extend below the floor line. All exterior adjustable shelves shall be mounted on heavy-duty aluminum track, which is securely welded to compartment interiors. Each shelf shall support at least 300 lbs. of equipment.

COMPLY	YES	NO
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COMPARTMENT #1 – Transverse

Interior Dimensions – 50.5"W x 51"H x 88.5"D (Below floor depth=19"D)

Doorway Dimensions – 50.5"W x 51"H

Location – Streetside, forward

Shelving – One adjustable full depth (89"D) upper shelf, one adjustable 49.5"W, painted aluminum locking slide-out tray with 3" lips on two rail 89" SlideMaster #SM2-HD-D dual direction 70% extension steel locking slides rated at 2,000 lb. Note: shelves are shared with Compartment #7.

Door(s) – One manual locking Rom roll-up, satin finish

Light(s) – Two vertical LED strip lights, one each fore and aft

Additional Instructions –

1. This compartment shall share transverse storage with Compartment #7.
2. A filtered vent shall be installed in the forward wall.
3. A 2'H painted aluminum center divider/tool board shall be installed on the slide-out tray.
4. Four vertical aluminum tracks shall be installed, two each on the forward and aft walls.
5. A 120VAC power box shall be installed in the front wall.

COMPLY	YES	NO_
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COMPARTMENT #2

Interior Dimensions – 39.5"W x 24"H x 88.5"D

Doorway Dimensions – 39.5"W x 24"H

Location – Streetside, middle

Shelving – One full-depth adjustable 38.5"W, painted aluminum locking slide-out tray with 3" lips on two rail 89" SlideMaster #SM2-HD-D dual direction 70% extension steel locking slides rated at 2,000 lb. Note: Shelves are shared with Compartment #6.

Door(s) – One manual locking Rom roll-up, satin finish

Light(s) – Two vertical LED strip lights, one each fore and aft

Additional Instructions –

1. This compartment shall share transverse storage with Compartment #6.
2. A vent shall be installed in the forward wall between Compartment #1 and 2.
3. A partial height painted aluminum center divider/tool board shall be installed on the slide-out tray.

COMPLY	YES	NO_
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COMPARTMENT #3

Interior Dimensions – 34"W x 51"H x 23"D (19"D below floor)

Doorway Dimensions – 34"W x 51"H

Location – Streetside, aft

Shelving – One adjustable full depth (20"D) upper shelf, two adjustable 31.5"W, painted aluminum slide-out trays with 3" lips on two 300 lb capacity slides. Right slides shall be locking-type.

Door(s) – One manual locking Rom roll-up, satin finish

Light(s) – Two vertical LED strip lights, one each fore and aft

Additional Instructions –

1. A filtered vent shall be installed in the aft wall.
2. Four vertical aluminum tracks shall be installed, two each on the forward and aft walls.

COMPLY	YES	NO
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COMPARTMENT #4

Interior Dimensions – 41"W x 37.375"H x 38.875"D

Doorway Dimensions – 41"W x 37.375"H

Location – Rear

Shelving – Two adjustable full-width; one adjustable 40"W, painted aluminum slide-out tray with 3" lips on two 300 lb capacity slides. Right slide shall be locking-type.

Door(s) – One manual locking Rom roll-up, satin finish

Light(s) – Two vertical LED strip lights, one each fore and aft

Additional Instructions –

1. Two adjustable 31.5"W, painted aluminum locking slide-out tray with 3" lips on two dual rail SlideMaster #SM2-HD 18" 70% extension steel locking single-direction slides rated at 2,000 lb each.
2. A filtered vent shall be installed in the forward wall, between Compartment #4 and Compartment #2.

COMPLY	YES	NO_
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COMPARTMENT #5

Interior Dimensions – 34"W x 51"H x 23"D (19"D below floor)

Doorway Dimensions – 34"W x 51"H

Location – Curbside, aft

Shelving – Two adjustable full depth (20"D) upper shelves, one adjustable 31.5"W, painted aluminum slide-out tray with 3" lips on two 300 lb capacity slides. Right slide shall be locking-type.

Door(s) – One manual locking Rom roll-up, satin finish

Light(s) – Two vertical LED strip lights, one each fore and aft

Additional Instructions –

1. A filtered vent shall be installed in the aft wall.
2. Four vertical aluminum tracks shall be installed, two each on the forward and aft walls.

COMPLY	YES	NO <input type="checkbox"/>
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COMPARTMENT #6

Interior Dimensions – 39.5"W x 24"H x 88.5"D

Doorway Dimensions – 39.5"W x 24"H

Location – Curbside, middle

Shelving – One adjustable 38.5"W, painted aluminum locking slide-out tray with 3" lips on two rail 89" SlideMaster #SM2-HD-D dual direction 70% extension steel locking slides rated at 2,000 lb. Note: Shelves are shared with Compartment #2.

Door(s) – One manual locking Rom roll-up, satin finish

Light(s) – Two vertical LED strip lights, one each fore and aft

Additional Instructions –

1. This compartment shall share transverse storage with Compartment #2.
2. A vent shall be installed in the forward wall between Compartment #1 and 2.
3. A partial height painted aluminum center divider/tool board shall be installed on the slide-out tray.

COMPLY	YES	NO <input type="checkbox"/>
---------------	------------	------------------------------------

COMPARTMENT #7 – Transverse

Interior Dimensions – 50.5"W x 51"H x 88.5"D (Below floor depth=19"D)

Doorway Dimensions – 50.5"W x 51"H

Location – Curbside, forward

Shelving – One adjustable full depth (89"D) upper shelf, one adjustable 49.5"W, painted aluminum locking slide-out tray with 3" lips on two rail 89" SlideMaster #SM2-HD-D dual direction 70% extension steel locking slides rated at 2,000 lb. Note: Shelves are shared with Compartment #1.

Door(s) – One manual locking Rom roll-up, satin finish

Light(s) – Two vertical LED strip lights, one each fore and aft

Additional Instructions –

1. This compartment shall share transverse storage with Compartment #1.
2. A filtered vent shall be installed in the forward wall.
3. A 2'H painted aluminum center divider/tool board shall be installed on the slide-out tray.
4. Four vertical aluminum tracks shall be installed, two each on the forward and aft walls.

COMPLY **YES** **NO**

SCBA HORIZONTAL CYLINDER STORAGE

Location – Two tubes on the curbside, one each fore and aft of the wheel well, and one tube on the streetside, forward of the wheel well

Additional Instructions – Each storage tube shall be lined with gray easy sweep mat and shall have a Cast Products #AD0016 side-hinged door with a 1.75" exterior flange. The doors shall have each have a non-locking latch (Section 4.10B related).

COMPLY **YES** **NO**

2.9 R MODULE DOORS

The Compartment #1-7 doors shall be ROM roll-up doors with an anodized satin finish, keyed for J236. Each door shall have a weather seal to prevent the ingress of water and dirt into the compartment.

COMPLY **YES** **NO**

2.09.01R DOOR FRAMES AND SEALS

Door frames and seals are integrated in ROM roll-up door systems.

COMPLY **YES** **NO**

2.09.03R DOOR LATCHES

Each ROM roll-up door shall have an aluminum spring loaded lift bar and a keyed #J236 lock.

COMPLY **YES** **NO**

2.09.10 THRESHOLDS

Door thresholds are integrated in ROM roll-up door systems.

COMPLY **YES** **NO**

2.14

WHEEL WELL LINERS

Wheel well liners made of formed aluminum shall be installed in the module wheel well openings.

COMPLY **YES** **NO**

2.15

ELECTROLYSIS PREVENTION

All external materials and fasteners shall be selected to prevent electrolysis and corrosion due to dissimilar materials and exposure to the elements. The module shall be painted before any exterior items (hinges, latches, door hold opens, etc.) are installed to provide an isolating film between dissimilar materials. Exterior fasteners used for direct connection to painted aluminum surfaces shall be coated with a corrosion inhibitor.

COMPLY **YES** **NO**

3 **COATINGS AND FINISHES**

3.1 **MODULE FINISH PREPARATION**

The module shall be seam sealed and all imperfections on aluminum surfaces of module shall be sanded smooth. The entire exterior shall be mechanically etched and washed with wax and grease remover to ensure proper primer and paint adhesion.

COMPLY **YES** **NO**

3.2 **MODULE PRIMER**

Module shall be sealed with a two-component, low VOC, direct-to-metal epoxy primer/sealant prior to applying the finish coat of acrylic urethane paint.

COMPLY **YES** **NO**

3.3 **PAINT TYPE**

Shall be Sherwin Williams acrylic urethane.

COMPLY **YES** **NO**

3.4 **COLOR SCHEME**

Base color: Ford Race Red (G4-1484075)

Stripe #1 Decal: Chevrons
 Color: Red #680CR-82 / Lemon Yellow #680CR-72
 Width: 6"
 Style: Chevron
 Material: Scotchlite
 Location: Rear of module, outboard of doors (excluding header)

COMPLY **YES** **NO**

3.04.01 **CHASSIS COLOR**

Chassis shall be OEM Ford Race Red (Section 1.01.11 related).

Stripe #1 Color: White
 Width: 1"
 Style: Beltline
 Material: Scotchlite
 Location: Chassis sides, broken by decal with 0.125" space

Stripe #2 Color: White
 Width: 4"
 Style: Beltline with downward angle
 Material: Scotchlite
 Location: Chassis sides, broken by decal with 0.125" space

Stripe #3 Color: White
 Width: 1"
 Style: Beltline with downward angle
 Material: Scotchlite
 Location: Chassis sides, broken by decal with 0.125" space

3.5

LETTERING/DECALS

Base color: Race Red (G4-1484075) to match chassis.

Streetside:

- Item #S1** Lettering: "KODIAK FIRE"
 Font: Helvetica Medium
 Color: White
 Material: Scotchlite
 Size: 6" x 70" overall (approximately)
 Location: Streetside on module, above drip rail

- Item #S2** Decal: *Customer-supplied* dept. decal (Section 8.02 related)
 Location: Cab door

Rear:

- Item #R1** Lettering: "RESCUE"
 Font: Helvetica Medium
 Color: White
 Material: Scotchlite
 Size: 3.5" x 30" overall (approximately)
 Location: Streetside on module, above drip rail

Curbside:

- Item #C1** Lettering: "KODIAK FIRE"
 Font: Helvetica Medium
 Color: White
 Material: Scotchlite
 Size: 6" x 70" overall (approximately)
 Location: Curbside on module, above drip rail

- Item #C2** Decal: *Customer-supplied* dept. decal (Section 8.02 related)
 Location: Cab door

COMPLY YES NO

3.6

COMPARTMENT FINISH

All compartments shall be sanded, etched, washed, primed, coated with textured gray polyurea thermoplastic elastomer finish and painted white with light gray splatter paint. (G2-33631 Alt 2 / GLV-51748)

All shelves and trays shall be sanded, etched, washed, primed, and painted white with light gray splatter paint. (G2-33631 Alt 2 / GLV-51748)

COMPLY YES NO

3.10

COMPARTMENT LINING

Compartment floors shall be lined with light gray Matéflex floor tile and all shelves with mat.

COMPLY **YES** **NO**

3.12

SURFACES AND FINISHES

All interior compartment surfaces and finishes shall be impervious to soap, disinfectants, and water, to permit washing and sanitizing.

COMPLY **YES** **NO**

3.13

AUTOMOTIVE UNDERCOATING SEAL

The chassis and module underbodies (excluding the area above the fuel tank, driveline, and exhaust lines, per manufacturer's specifications) shall be sprayed with undercoating for reduced corrosion and added sound deadening.

COMPLY **YES** **NO**

3.15X

NON-SLIP ROOF

The roof shall be overlaid with aluminum diamond plate (Section 2.07X related).

COMPLY **YES** **NO**

4 **MODULE EXTERIOR**

4.1 **STEP/BUMPER**

The rear bumper shall be a welded construction of 3" x 3" x 0.375" aluminum angle and 1.5" x 0.25" flat bar and shall be covered by 0.125" bright aluminum diamond plate. The entire top shall be non-skid Grip Strut and shall provide a 7" step. Both outermost ends shall be angled to prevent dragging of corners in high angle of departure areas. Diamond plate shall be formed on front and rear edges for channel-type strength. The bumper shall be bolted directly to the chassis frame using high strength Grade 5 bolts. Bumper shall be easily removable and replaceable in case of damage.

COMPLY **YES** **NO**

4.2 **RUB RAILS**

Bright finished extruded aluminum rub rails of a double channel design shall be installed along the lower streetside and curbside edges of the module. Rub rails shall be 2.5"H x 0.75"W x 0.125"D, with a red/white conspicuity reflective tape installed in the insert area.

COMPLY **YES** **NO**

4.3 **FENDER RINGS**

Bright polished aluminum fender rings with a rounded outer edge shall be installed on the module, following the full contour of the wheel well opening.

COMPLY **YES** **NO**

4.4 **DRIP RAILS**

Extruded, anodized aluminum drip rails shall be installed the full length of the module front, rear, and sides near the roof, and over each exterior compartment and passage door. Drip rails shall be installed with bonding tape and mechanical fasteners on each end that shall withstand exposure to the elements. They shall be finished with 45-degree angled ends to avoid hooking materials which brush against the vehicle causing damage.

COMPLY **YES** **NO**

4.5 **ROCK GUARDS**

Bright aluminum diamond plate rock guards shall cover the front module corners, 24" up from bottom of module, 2.5" wrapped around the sides of module, and 15" across the front of the module.

COMPLY **YES** **NO**

4.6 **REAR KICK PANEL**

A bright aluminum diamond plate rear kick panel shall extend from the bottom edge of the module up to the bottom of the rear doors, full-width formed and wrapped 2.5" around the sides of the module.

COMPLY **YES** **NO**

4.7

FUEL FILL

A polished cast aluminum fill well shall be installed on the streetside of the module and be properly vented. All fuel filler hoses shall be protected with a 0.125" aluminum protection plate. Fuel fills shall be installed in accordance with Body Builder's recommendation. A fill shall be provided for the DEF tank, between the cab and module, streetside.

COMPLY **YES** **NO_**

4.10B

EXTERIOR SCBA CYLINDER STORAGE

Three SCBA cylinder storage tubes shall be installed. Two tubes on the curbside, one forward and one aft of the wheel well, and one tube shall be installed on the streetside, forward of the wheel well. Each storage tube shall be lined with gray easy sweep mat and shall have a Cast Products #AD0016 side-hinged door with a 1.75" exterior flange. The doors shall have each have a non-locking latch.

COMPLY **YES** **NO**

4.12

SIDE-MOUNT RECEIVERS

Two under-body side-mount receivers shall be installed underneath of the module, one on the streetside and one on the curbside, just forward of the rear wheel wells. A maximum capacity placard shall be located adjacent to each receiver.

COMPLY **YES** **NO_**

4.16

LICENSE PLATE HOLDER

A recessed license plate holder with dual incandescent lights shall be installed below the Compartment #4 in the rear kick panel.

COMPLY **YES** **NO**

4.21

EXTERIOR GRAB BARS

Two 12" brushed stainless steel grab bars shall be installed to assist rooftop access, exact to be determined at the preconstruction meeting.

COMPLY **YES** **NO_**

4.23

FOLD-DOWN STEPS

Three Cast Products #SP4500 pungy grip folding step/handholds shall be mounted on the rear of the module, curbside, for accessing the rooftop rescue board storage.

COMPLY **YES** **NO**

4.55

MISCELLANEOUS EXTERIOR EQUIPMENT

Storage provisions for a *customer-supplied-and-installed* water rescue board shall be provided on the module roof, curbside. A formed aluminum diamond plate cover shall be installed to secure the forward end of the board, and a quick detach hinged bar with brackets shall be installed just aft of the board fin to secure the aft end of the board, details to be determined at the preconstruction meeting.

A stainless steel protector shall be installed on the roof edge, aft of the storage area.

COMPLY **YES** **NO_**

5

MODULE INTERIOR

5.16X

INSULATION

The module side, ends, roof, and floor shall be insulated to enhance the interior environment and to restrict heat, cold, and external noise from entering the module. The insulation shall be a non-settling foam plank material of 1.5", or 0.75" thickness depending upon location and available space.

Roof, wall, and floor insulation shall be polyisocyanurate.

A 3" wide, 60-mil, closed cell polyethylene foam tape shall be used as a thermal break on the inside surface of the roof and wall tubes.

COMPLY	YES <input type="checkbox"/>	NO <input type="checkbox"/>
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6

ELECTRICAL

All added body and chassis electrical equipment shall be served by circuits separate and distinct from the vehicle chassis circuits. All vehicle wiring shall be copper and conform to all SAE J1128 requirements. The wiring shall be colored, numbered, or function coded every 3" for permanent identification and correspond with the vehicle schematics. Solderless, insulated connectors shall be used. Slotted Panduit-style wiring duct shall be used in power component module to ensure air circulation throughout power component wiring. The wiring shall be routed in conduit or looms and wiring shall be secured to the underbody or frame with insulated metal cable straps. All power distribution cabling shall be covered with a protective split loom. Where wiring passes over the exhaust, a heat shield shall be installed. The power component module shall be equipped with positive locking plugs to provide easy disconnect for remount or repair of body. All wiring devices, switches, outlets, etc., except circuit breakers, shall be rated to carry 125% of the maximum ampere load for which the circuit is protected.

The vehicle electrical system shall be tested and certified to AMD 005 requirements.

COMPLY **YES** **NO**

6.1

ELECTRICAL LOAD DEVICES

Body electrical wiring shall utilize overload protective devices of the automotive-type circuit breaker. In addition, one single pole, 20-amp circuit breaker shall be provided for future use. The circuit breakers, relays, and other electrical items shall be located in the enclosed power component module.

COMPLY **YES** **NO**

6.4

IGNITION CONTROL

Chassis electrical circuits shall be controlled by the ignition switch as provided by the OEM chassis manufacturer. The auxiliary chassis-related functions shall be powered by one 100-amp continuous duty solenoid, triggered by the chassis ignition.

COMPLY **YES** **NO**

6.5

MODULE POWER

Module power shall be controlled by a console-mounted switch labeled "MODULE DISC." which activates one 100-amp continuous duty solenoid located in the power component module.

COMPLY **YES** **NO**

6.6

WIRING ACCESS

All cabinets and compartments shall have removable panels as needed to access wiring harnesses and hoses.

COMPLY **YES** **NO**

6.7

BACK-UP ALARM

A back-up alarm with a sound output level of 97 dB shall be installed, with a momentary disable switch in the driver's console (Section 6.09 related). If disabled while in reverse, the back-up alarm shall automatically reset when shifted out of reverse.

COMPLY	YES	NO_
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6.8

SERVICE LOOP

A 6" service loop of wire or harness shall be provided at all electrical components, terminals, and connection points.

COMPLY	YES	NO
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6.9

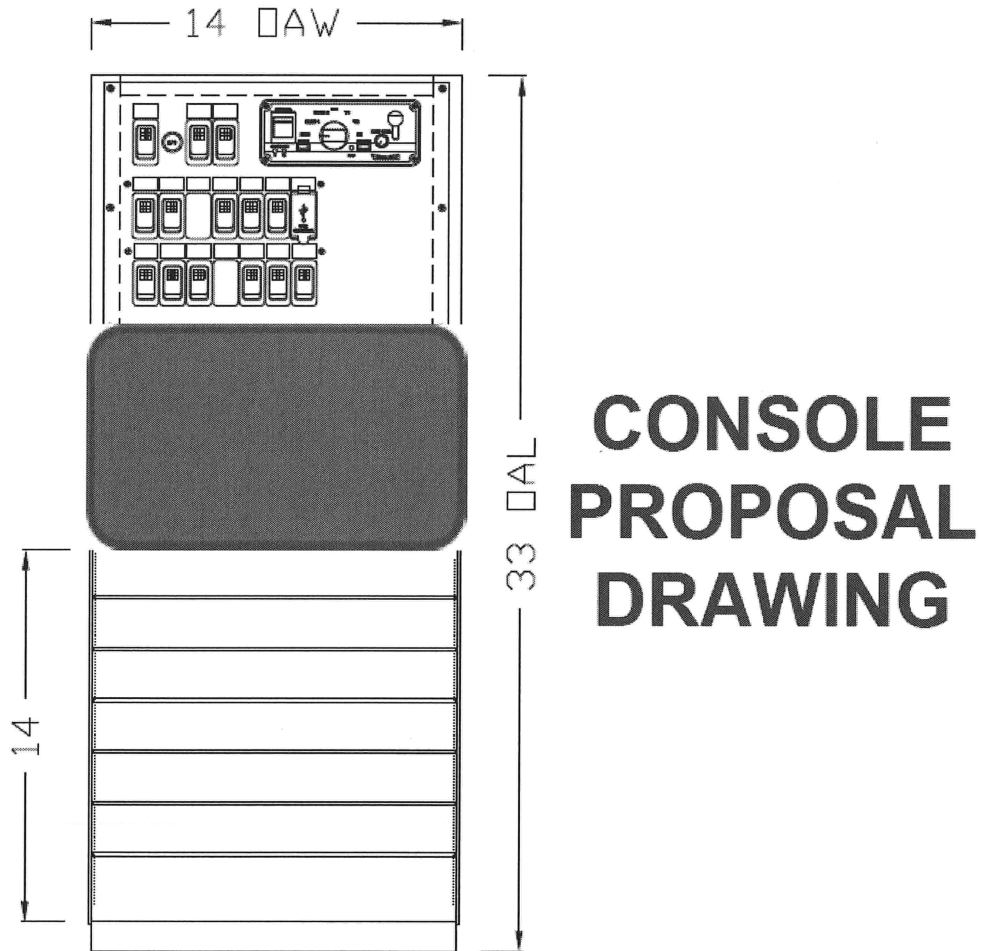
DRIVER'S CONSOLE

A driver's console made of black-powder-coated formed aluminum shall be installed between the seats. It shall have a switch panel with the following layout, a map holder with three mill-finished aluminum dividers, and the center section of the console shall be storage with a custom aft hinged dove gray upholstered pad cover. A map light shall be installed in the upper right corner (Section 6.11 related).

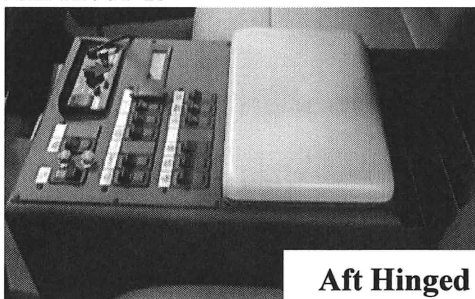
1.	Compt D/O Light	2.	3.	Siren
Module Disc.		Emerg. Master	Blank	

4.	5.	6.	7.	8.	9.	10.	Blank
Lightbar	Flasher	Blank	White Lights	Spare	Spare	Switc h insert	

11.	12.	13.	14.	15.	16.	17.	Blank
Left Scene	Right Scene	Rear Scene	Blank	Fog Lights	Driving Lights	Back-Up Disable	



Example photo from #2781-1:



**Aft Hinged Dove Gray
Cushion**

Additional Items:

Voltmeter on driver's side

COMPLY	YES	NO
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6.10 SWITCHES

Switches installed in the driver's console and attendant panel shall be rocker-type and permanently marked by function.

COMPLY	YES	NO
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6.11 MAP LIGHT

A map light with a 19" flexible neck shall be mounted on the right forward corner of the driver's console.

COMPLY	YES	NO
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6.12X WARNING LIGHTS

A Whelen #3SR00FRR Red Lens Red LED flasher shall be installed overhead to warn the driver of a pole in the up position when the vehicle is out of park (Section 1.02.21 related). A flashing LED light with a red lens shall be provided on the driver's console to warn the driver of an open compartment door. The light shall flash only if the ignition is on. The light shall be installed on the driver's console.

COMPLY	YES	NO
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6.17 BASIC EXTERIOR LIGHTING

Basic lighting shall include headlights, parking lights, directional signal lights, tail and stop lights, license plate light, back-up lights, hazard lights, identification lights, clearance lights, and side marker lights as required by FMVSS 108.

Module identification lights, clearance lights, and side marker lights, unless included on a lightbar, shall be Truck-Lite LED Model 36.

Rear and side reflex reflectors shall be installed in accordance with FMVSS 108 requirements.

Rear stop/tail, turn and back-up lights shall be Truck-Lite Model 45 series LED lights, installed in the rear kick panel, pattern from outboard in: red stop/tail light, amber turn signal, and clear back-up light. The back-up lights shall activate automatically when the vehicle is placed in reverse.

COMPLY	YES	NO
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6.20

BLOCK HEATER

A block heater, with a toggle-style circuit breaker in the 120VAC Power Box shall be wired to the 120VAC shorepower system (Section 1.01.02 related).

COMPLY **YES** **NO**

6.21X

120VAC/SHORELINE CIRCUIT BOX

Utility power shall be furnished from 120VAC shorepower via a 20 amp twist/lock 20 amp plug with a gray cover located on the driver's side of module, and distributed via a custom formed aluminum power box recessed into the streetside front compartment. 120VAC power box shall be recessed and shall have an easily removable cover.

Toggle-style circuit breakers shall be installed for overcurrent protection and circuit isolation:

- Battery Charger (15 Amp)
- Block Heater (15 amp)

COMPLY **YES** **NO**

6.22

BATTERY GROUNDS

In addition to OEM chassis grounds, the following ground circuits shall be added to reduce RF interference:

- A minimum 4 ga. ground cable from the power component panel to the chassis frame.
- Two braided ground straps from the module body to the chassis frame.

COMPLY **YES** **NO**

6.23A

BATTERY CHARGER

A #30345 30 amp minimum battery charger/conditioner shall be installed in a location to be determined at the preconstruction meeting and wired to shoreline. The charger shall have a totally filtered output voltage, locked at a maximum 14 volts. The charger shall be designed for long term charger and converter operation without damage to batteries.

COMPLY **YES** **NO**

6.25

12VDC POWER SUPPLY

One Blue Sea dual port, switch-insert-style shall be installed in the driver's console. Receptacle shall be powered continuously.

COMPLY **YES** **NO**

6.26

COMPARTMENT LIGHTING

Two vertical LED strip lights shall be installed in each outside compartment, and shall be activated by the respective compartment door switch.

COMPLY **YES** **NO**

6.27R

EXTERIOR DOOR SWITCHES

Each compartment ROM roll-up door shall have one integrated magnetic switch.

COMPLY **YES** **NO**

6.30

EMERGENCY WARNING SYSTEMS

6.30.1

FRONT LIGHTBAR

A 94" Whelen 4500 Plus Series LED lightbar shall be recessed on the front of the module, pattern curbside to streetside:

- Curbside: Red Lens Red 700 Series flasher
Red Lens Red 700 Series flasher
Red Lens Red 700 Series flasher
Red Lens Red 700 Series flasher
- Center Clear Lens Clear 700 Series flasher
Red Lens Red 700 Series flasher
Red Lens Red 700 Series flasher
Red Lens Red 700 Series flasher
- Streetside Red Lens Red 700 Series flasher

The lightbar shall be recess-mounted with the horizontal plane of the roof, and protrude no more than 1/2" beyond the vertical plane of the front and sides of the module. The LED ICC clearance and identification lamps shall be an integral part of the lightbar.

The red flashers shall be controlled by the "LIGHTBAR" switch, and the clear flasher shall be controlled by the "WHITE LIGHTS" switch, with both switches on the driver's console (Section 6.09 related).

COMPLY **YES** **NO**

6.30.2

REAR LIGHTBAR

A 94" Whelen 4500 Plus Series LED lightbar shall be recessed on the rear of the module, pattern curbside to streetside:

- Curbside: Red Lens Red 700 Series flasher
Red Lens Red 700 Series flasher
Triple LR11 LED scenelight (Section 6.30.04 related)
Amber Lens Amber 700 Series flasher
- Center Red Lens Red 70BTT LED third brake light
Amber Lens Amber 700 Series flasher
Triple LR11 LED scenelight (Section 6.30.04 related)
Red Lens Red 700 Series flasher
- Streetside Red Lens Red 700 Series flasher

The lightbar shall be recess-mounted with the horizontal plane of the roof, and protrude no more than 1/2" beyond the vertical plane of the rear and sides of the module. The bar shall include an LED brake/clearance light over the center lights. The LED clearance lights shall be an integral part of the lightbar.

The bar shall include an LED brake/clearance light over the center lights. The LED clearance lights shall be an integral part of the lightbar.

The red and amber flashers shall be controlled by the "LIGHTBAR" switch located on the driver's console (Section 6.09 related).

COMPLY **YES** **NO**

6.30.3

FLASHERS

Four Whelen 700 Series #70R02FRR Red Lens Red Super-LED flashers with chrome flanges shall be mounted, two each on the curbside and streetside of the module in upper corners.

Lights shall be controlled by the "FLASHER" switch on driver's console (Section 6.09 related).

COMPLY	YES	NO_
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6.30.4

SCENELIGHTS

Four Whelen 700 Series Model #70C0ELZR LED scenelights with chrome flanges shall be installed - two each on the curbside and streetside of the module in the upper corners, inboard of the flashers.

Two Whelen LR-11 LED scenelights shall be included in the rear lightbar. The rear scenelights shall activate when the vehicle is placed in reverse.

The scenelights shall also be controlled by the respective switches on the driver's console (Section 6.09 related).

COMPLY	YES	NO
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6.30.5

SPOTLIGHT

A hand-held 12VDC spotlight shall be hardwired into the front of the console.

COMPLY	YES	NO_
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6.30.6 X

INTERSECTION LIGHTS

Six Whelen #WIONSMCR Clear Lens Red flashers with chrome housings shall be installed, one on each cab fender, one on the vertical surface of each cab running board, and one above each module wheel well. Lights shall be controlled by the "FLASHER" switch on the driver's console (Section 6.09 related).

COMPLY	YES	NO
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6.30.8 X

GRILLE LIGHTS

Four Whelen WION Series LED flashers with chrome housings shall be installed on the OEM grille. Two #WIONSMCR Clear Lens Red flashers shall be installed and be controlled by the "FLASHER" switch on the driver's console (Section 6.09 related). Two #WIONSMCC Clear Lens Clear flashers shall be installed and be controlled by the "WHITE LIGHTS" switch on the driver's console (Section 6.09 related). White light will disable when placed in park.

Flashers shall be installed in an "X" pattern – one Red LED on the upper curbside corner, and one Red LED in the lower street side corner; one Clear LED on the lower curbside corner, and one Clear LED on the lower streetside corner.

COMPLY	YES	NO_
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6.30.9

SIREN

A Whelen 295SLSA1, 200-watt siren shall be installed in the driver's console (Section 6.09 related). Standard features shall include Radio Rebroadcast, Public Address, Manual, Wail, Yelp, Air horn, and Piercer tones. The siren's hands-free function shall operate through the OEM horn ring circuit when the sirens rotary selector is in the HF position and the Emergency Master switch is on.

COMPLY	YES	NO
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6.30.10A

SIREN SPEAKERS

Shall be a Cast Products #3806 "In-the-Bumper" Mount System with two 100-watt speaker drivers.

COMPLY	YES	NO
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6.32X

FOG/DRIVING LIGHTS

One 20" Rigid Industries #120312AW E-Series Amber/White LED light bar shall be installed on the front bumper.

White driving lights in the Rigid lightbar shall be enabled with High Beams and controlled by an On/Off switch in the console labeled "DRIVING LIGHTS". Amber lights shall be controlled by a switch labeled "FOG LIGHTS." Both switches shall be located on the driver's console (Section 6.09 related).

COMPLY	YES	NO
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6.39

TELESCOPIC POLE LIGHTS

Four Fire Research Spectra #SPA530-Q15 LED scenelights with white housings shall be installed on side-mounted telescopic poles with raised pole indicator switches, two each mounted on the front and rear of the module in the corners. Each light shall have a switch on the light head, and a stainless steel plate mounted on the module behind the light head. A pole-up indicator light shall be installed on the cab headliner (Section 1.02.11 and 6.12X related).

COMPLY	YES	NO
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6.46

AUDIO/VIDEO/RECORDING EQUIPMENT

Item #1

Description: A Rostra back-up camera system shall be installed, including a surface-mounted camera and a rear-view mirror/monitor with a 4.3" screen.

Location: Camera on the rear of the module, centered above the rear passage doors. Rearview mirror/monitor centered on chassis windshield, upper.

Additional Instructions: Camera shall automatically display on monitor when the vehicle is placed in reverse. The programming remote shall be shipped loose (Section 8.01 related).

COMPLY	YES	NO
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7

SUPPORTING DOCUMENTATION

7.1 X

OWNERS MANUAL

Shall be provided with vehicle and consists of the following items:

1. Chassis owner information packet (including one physical copy of the Ford owner's manual)
2. Second OEM key
3. Lifetime module warranty
4. Factory warranty on Chassis
5. 7 Year/75,000 mile limited electrical warranty
6. 2 Year/30,000 mile Conversion Warranty
7. 5 Year Paint Warranty
8. Module remount engineering check list
9. Climate control information and warranty
10. Main schematic
11. Electrical Load Test
12. Wire coding list
13. Schematics for standard system: (As Built)
 - Driver switch console
 - attendant switch console
 - Climate control system
 - Dual battery system
 - Module harness routing
 - Interior and exterior lights
14. Operations manual
15. Schematics for individual options
16. Warranty and parts list for lightbar, etc.

Note: Two binders with copies of as-built specifications, drawings and electrical schematics shall be provided.

COMPLY	YES	NO
--------	-----	----

8

MISCELLANEOUS EQUIPMENT

8.1

LOOSE EQUIPMENT

The following equipment shall be shipped loose with the vehicle:

- 1. Touch-up paint, one bottle each:
 - GLV Race Red (G4-1484075)
 - White (G2-33631 Alt 2)
 - Lt Gray (GLV-51748)
- 2. 20 amp cord end for shoreline
- 3. One OEM Spare tire & wheel
- 4. Six aftermarket steel wheels with Ironman I-605 ten ply studded tires
- 5. Programming remote

COMPLY	YES	NO
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8.2

CUSTOMER SUPPLIED EQUIPMENT

The customer shall provide the following equipment and have delivered to manufacturer:

- 1. Two department decals

COMPLY	YES	NO
--------	-----	----

* * * * *

SECTION II – GENERAL REQUIREMENTS:

1. Bids shall be submitted on the “Bid Form” provided and must be manually signed by a responsible member of the Bidder.
2. In order to ensure consideration, bids must be submitted in a sealed envelope, identified with the name “Bid No.2020-004” and time and date of opening, and addressed as follows:

Mike Tvenge, City Manager
City of Kodiak
710 Mill Bay Road, Room #114
Kodiak AK 99615

Express Mail or Special Delivery Address:
710 Mill Bay Road, Room #114
Kodiak AK 99615

Bid No. 2020-004
3:00 p.m., February 14, 2020

No responsibility will attach to any officer for the premature opening of, or the failure to open, a bid properly addressed and identified.

3. Bid submittals must include the following:
Bid Specs pages 2-38 and completed bid form pages 41-42, including copy of current State of Alaska Business License, Certificates of liability insurance are required prior to start of the contract.
4. Inquiries or requests for information pertaining to these specifications should be directed to James Mullican, (907) 486-8040

SECTION III – GENERAL INFORMATION:

Processing of bids – Kodiak City Code Section 3.12.050 states: Notwithstanding other provisions of this chapter relating to the award after competitive bid for purchases, sales, and contracts, the city may:

- (a) Reject any defective or non-responsive bids;
- (b) Waive any irregularities in any and all bids;
- (c) Reject all bids;
- (d) Negotiate with two or more of the lowest bidders, if bid prices are in excess of the money available or authorized, for a reduction in the scope, quality, or quantity of the purchase, service, or contract;

- (e) Re-advertise for bids with or without making changes in the plans or specifications.

Local bid preference – Kodiak City Code Section 3.12.060 states, in part:

- (a) Notwithstanding section 3.12.040, the council shall direct an award of a contract for the purchase of personal property or services or for the construction, repair, or improvement of city facilities after competitive bidding to a local bidder who is also a responsible bidder, if that bid does not exceed the otherwise lowest responsible bid by more than ten (10) percent or \$30,000, whichever is less.
- (b) For the purposes of this section “local bidder” shall mean a responsible bidder who had, at the time of the bid award, maintained a business office or store within the Borough of Kodiak Island, which was open for business on a substantially full-time basis and staffed by at least one full-time employee for at least one year.

Lowest responsible bidder – The bid may be awarded to the lowest responsible bidder. Kodiak City Code Section 3.12.080 states: In determining the lowest responsible bidder factors to be considered shall include, but not necessarily be limited to the following criteria:

- (a) The ability, capacity, and skill of the bidder to perform the contract;
- (b) Whether the bidder can perform the contract within the time specified, without delay or interference;
- (c) The character, integrity, reputation, judgement, experience, and efficiency of the bidder;
- (d) The quality of performance of previous contracts;
- (e) The previous and existing compliance by the bidder with laws and ordinances related to the contract;
- (f) The sufficiency of the financial resources and ability of the bidder to perform the contract; and
- (g) Litigation by the bidder on previous orders or contracts with the city.
- (h) Attendance at and compliance with any requirements associated with or arising out of mandatory pre-bid or pre-award meetings or conferences.

Bid Award. It is anticipated that bid results will be presented to the City Council for action at its regular scheduled meeting of February 27, 2020

BID FORM

TO: Mike Tvenge, City Manager
City of Kodiak
710 Mill Bay Road, Room #114
Kodiak AK 99615

Any exceptions to the published bid specifications must be listed by item.

In compliance with your Invitation to bid for Bid No. 2020-004 dated December 31, 2019 the undersigned hereby proposes to provide the following:

- One (1) new, (2020 model, or newer) Fire Department Light Rescue Vehicle

Bid amount

Grand Total _____

(Turn in all required pages from the specifications sheets and pages 41-42 as part of your bid)

Bid price valid for _____ days.

Submitted by: _____ Dated: _____

Signature Business Name

Title Address

Telephone City, State, Zip

SUPPLY AGREEMENT

THIS SUPPLY AGREEMENT made and entered into this ___th day of _____, 2020, by and between CITY OF KODIAK, an Alaskan municipal corporation, whose address is 710 Mill Bay Rd. Kodiak, AK 99615, hereinafter referred to as "City" or "Kodiak" and _____, a _____, organized under the laws of the State of _____, and having its principal place of business at _____, hereinafter referred to as "Supplier."

WITNESSETH:

WHEREAS, City has solicited proposals for goods in the form of a Light Rescue Vehicle and wishes to purchase from Supplier such goods; and

WHEREAS, Supplier is a fabricator and supplier of such goods and is willing to provide and sell them to City, all upon the terms and conditions hereinafter stated.

NOW, THEREFORE, in consideration of the mutual promises and covenants herein set forth, the parties hereby agree as follows:

ARTICLE 1. **DEFINITIONS**

For purposes of this Agreement, the following terms, word and phrases, where written with an initial capital letter shall have the following meanings:

1.1 "Products" shall a Light Rescue Vehicle as fabricated by Supplier according to specifications. The material and design specifications are identified in Exhibit A.

1.2 "Point of Delivery" is Kodiak Alaska. The Light Rescue Vehicle will be picked up at the delivery point by Kodiak Fire Department staff.

1.3 "Force Majeure" shall mean any event or condition, not existing as of the date of signature of this Agreement, not reasonably foreseeable as of such date and not reasonably within the control of either party, which prevents in whole or in material part the performance by one of the parties of its obligations hereunder or which renders the performance of such obligations so difficult or costly as to make such performance commercially unreasonable. Without limiting the foregoing, the following shall constitute events or conditions of Force Majeure: acts of State or, governmental action, riots, disturbance, war, strikes, lockouts, slowdowns, prolonged shortage of energy supplies, epidemics, fire, flood, hurricane, typhoon, earthquake, lightning and explosion.

ARTICLE 2.
SUPPLY AND PURCHASE

2.1 City agrees to purchase from Supplier, and Supplier agrees to supply to City, at the prices determined in accordance herewith, and subject to the terms and conditions hereinafter set forth, the Products set forth in Exhibit A.

ARTICLE 3.
ORDERS, DELIVERY AND MODIFICATION OF PRODUCTS

3.1 Purchase Orders. The delivery date _____, 2020 will be the date the Products are expected to arrive at the Point of Delivery.

3.2 Delivery of Products. Supplier shall deliver the Products within the times (which is of the essence) specified in paragraph 3.1, and at the price specified herein, all in accordance with City's instructions and specifications.

3.3 Shipping Terms. The initial shipping location for Products delivered by Supplier to City pursuant to this Agreement shall be the Point of Delivery. Such Point of Delivery may be changed by the parties upon mutual agreement in writing at any time during the term of this Agreement.

3.4 Packing and shipping to the Point of Delivery shall be done by Supplier according to the prudent industry practices for the shipment of Products of the type specified herein. Seller shall insure the products during shipment to the Point of Delivery. City shall be responsible for insuring the Products after custody is transferred at the Point of Delivery.

ARTICLE 4.
QUALITY OF PRODUCTS

The quality of all Products delivered by Supplier shall be in accordance with the specifications (Exhibit A), and meet any and all applicable laws and regulations promulgated by any federal, state, local or municipal governmental authority or agency, including, but not limited to, public safety, health and environmental standards.

ARTICLE 5.
PRICES AND PAYMENT REVISED

5.1 Price. The price to be paid by City for the Products purchased hereunder shall be the prices set forth on the bid form attached hereto.

5.2 Payment Terms. Payment for delivered Products shall be made via check by City thirty (30) days from the date of the Bill of Lading for Products ordered and delivered to the Point of Delivery.

ARTICLE 6.
TAXES

Except as otherwise provided in this Agreement, Supplier shall be responsible for and shall pay any and all (a) import duties, (b) gross receipt, income and sales taxes and (c) other governmental charges which relate to the production, delivery and sale of the Products, as such are now or may hereafter be imposed under or by any state, local or municipal governmental authority or agency.

ARTICLE 7.
ACCEPTANCE AND WARRANTY

7.1 Acceptance of Products. Any Products not rejected by City by written notice to Supplier within seven (7) calendar days after arrival in Kodiak shall be deemed accepted. Said notice shall include the reasons any Products have been rejected by City.

7.2 Warranty.

7.2.1 Warranties are as specified in Exhibit A, In addition supplier warrants to City for a period of twelve (12) months from the date of delivery of the Products to City in accordance with Section 3.2 of this Agreement that all Products sold hereunder shall (i) be free from any defects in design (if such design was created by Supplier), material or workmanship and be of good and merchantable quality, (ii) conform to City's specifications or any sample or prototype approved by City and (iii) comply and have been produced, processed and delivered in conformity with Article 4 herein.

7.2.2 Supplier warrants that all Products to be delivered hereunder and all property to be returned to City shall be free and clear of any and all liens and encumbrances whatsoever.

7.2.3 The foregoing warranties shall survive inspection of, delivery of, acceptance of and payment for the Products and shall run in favor of City. If Supplier breaches any of the foregoing warranties during the twelve-month period, or if Supplier fails to perform or comply with any provision of this Agreement, Supplier shall be liable to City for any and all costs, expenses (including reasonable attorneys' fees, court costs and litigation expenses) and damages arising therefrom.

ARTICLE 8.
FORCE MAJEURE

8.1 Notice. Upon giving notice to the other party, a party affected by an event of Force Majeure shall be released without any liability on its part from the performance of its obligations under this Agreement, except for the obligation to pay any amounts due and owing hereunder, but only to the extent and only for the period that its performance of such obligations is prevented by the event of Force Majeure. Such notice shall include

a description of the nature of the event of Force Majeure, its cause and possible consequences. The party claiming Force Majeure shall promptly notify the other party of the termination of such event.

82 Suspension of Performance. During the period that the performance by one of the parties of its obligations under this Agreement has been suspended by reason of an event of Force Majeure, the other party may likewise suspend the performance of all or part of its obligations hereunder.

ARTICLE 9. **DISPUTES AND GOVERNING LAW**

9.1 Disputes. The parties hereto shall submit any disputes arising under this Agreement to non-binding mediation. Should mediation not resolve the dispute within thirty (30) days after one party has demanded mediation from the other party, the dispute may be heard solely in the State of Alaska Superior Court, Third Judicial District at Kodiak, Alaska.

9.2 Governing Law. This Agreement shall be governed by, and interpreted and construed in accordance with, the laws of the State of Alaska.

ARTICLE 10. **GENERAL TERMS AND CONDITIONS**

10.1 Relationship. This Agreement does not make either party hereto the employee, agent or legal representative of the other party for any purpose whatsoever. Neither party hereto is granted any right or authority to assume or to create any obligation or responsibility, express or implied, on behalf of or in the name of the other party. In fulfilling its obligations pursuant to this Agreement, each party hereto shall act as an independent contractor.

10.2 Assignment. Each party shall not assign or otherwise transfer any of its rights or obligations under this Agreement without the prior written consent of the other party. This Agreement and the rights and obligation arising hereunder shall not be affected by any change in the corporate structure of ownership of the parties.

10.3 Notices. All notices permitted or required to be given hereunder shall be delivered personally or sent by facsimile or registered or certified air mail, postage prepaid, return receipt requested, addressed to the addresses of the parties hereto as set forth above or to such other addresses as the parties may designate by like notice from time to time. Notices so given shall be effective (a) upon the date of personal delivery, (b) if sent by facsimile, concurrently with the transmission thereof if the sender's machine produces a transmission report without notice of a communication fault, (c) on the third (3rd) business day following the date on which such notice is mailed by registered or certified air mail.

104 Entire Agreement. This Agreement, including the Exhibits attached hereto and by this reference made an integral part hereof, constitute the entire agreement of the parties hereto with respect to the subject matter hereof and thereof, and supersede all previous proposals, verbal or written, expressed or implied, and all negotiations, conversations or discussions heretofore between the parties hereto related to the subject matter of this Agreement.

105 Amendment. This Agreement shall not be deemed or construed to be modified, amended, rescinded, canceled or waived, in whole or in part, except by written statement signed by both parties hereto.

106 Severability. In the event that any of the terms of this Agreement are in conflict with any rule of law or statutory provision or otherwise unenforceable under the laws or regulations of any government or subdivision thereof, such terms shall be deemed stricken from this Agreement, but such invalidity or unenforceability shall not invalidate any of the other terms of this Agreement, and this Agreement shall continue in force, unless the invalidity or unenforceability of any such provisions hereof does substantial violence to, or where the invalid or unenforceable provisions comprise an integral part of, or are otherwise inseparable from, the remainder of this Agreement.

107 Compliance with Applicable Laws. The parties to this Agreement shall at all times conduct their activities hereunder in accordance with all applicable federal, state and local laws, rules and governmental regulations.

108 Waiver. No failure by either party hereto to take any action or assert any right hereunder shall be deemed to be a waiver of such right in the event of the continuation or repetition of the circumstances giving rise to such right.

109 Counterparts. This Agreement may be executed in two (2) or more counterparts in the English language, each of which shall be deemed an original, but all of which shall constitute one and the same instrument.

10.10 Remedies Cumulative. Each of the rights and remedies of the parties set forth in this Agreement shall be cumulative with all other such rights and remedies, as well as with all rights and remedies of the parties hereto otherwise available at law or in equity.

10.11 Indemnification. Supplier shall indemnify City and hold it harmless from and against any and all costs including reasonable attorneys' fees, court costs and litigation expenses, losses, expenses and damages incurred by City in connection with any claim or cause of action brought by any third person or party against City which, in whole or in part is based upon or arises out of any breach of any of Supplier's obligations hereunder.

10.12 Captions. The captions of Articles and Sections of this Agreement are included for convenient reference only, shall not be construed as part of this Agreement and shall not be used to define, limit, extend or interpret the terms hereof.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed on the day and year first written above.

CITY OF KODIAK

By: _____
Its: _____

SUPPLIER

By: _____
Its: _____