



Rhode Island Airport Corporation

March 18, 2016

INVITATION FOR BIDS NO. 26329 RESCUE TOOLS AND EQUIPMENT

INTRODUCTION

The Rhode Island Airport Corporation (RIAC) is soliciting bids for the supply of various Rescue Tools and Equipment for T. F. Green Airport, Airport Rescue and Firefighting (ARFF). The Rescue Tools and Equipment must meet the enclosed specifications.

Sealed bids will be received at: Rhode Island Airport Corporation, Office of Procurement, 3rd Floor, 2000 Post Road, Warwick RI 02886-1533.

Due date for bids is no later than 10:30 a.m., April 7, 2016, at which time they will be publicly opened. Bids must be in a sealed envelope clearly marked “**RESCUE TOOLS AND EQUIPMENT – IFB No. 26329**”. RIAC will not accept late bids under any circumstances. All costs incurred in connection with responding to this Invitation for Bids (IFB) shall be borne by the bidder.

The successful bidder will be the lowest responsible bidder. For purposes of this solicitation, the lowest responsible bidder is the firm that RIAC determines meets the specifications at the lowest price. Some latitude in meeting the precise specifications will be allowed when demonstrated that “as equivalent” features or specifications are being offered. However, RIAC will be the sole judge in determining the acceptance of “as equivalent” features or specifications.

Delivery of all supplies shall be made concurrent with the delivery of the Rescue Pumper Apparatus which is scheduled between 250-360 calendar days from date of award. The successful bidder must hold the bid price for 360 calendar days from bid opening date.

All prices quoted are to be FOB delivery location to T. F. Green Airport, Operations and Maintenance Facility, 300 Airport Rd, Warwick, Rhode Island. Payment terms are net thirty (30) days. RIAC is Tax Exempt and a certificate will be supplied upon request.

Procedures regarding bids and the selection of contractors shall be in conformity with all federal regulations including 49 CFR, Part 18.36 and Title 37, Chapter 2 of the General Laws of the State of Rhode Island and RIAC procurement rules.

Chief John Thomas
Airport Rescue and Firefighting

Jeffrey Goulart
AVP Financial Administration

SPECIFICATIONS

Hose, Hose Tools, and Fittings

1. Niedner ULTRA 2000 fire hose, or equal, in lengths, diameters, couplings, and colors as listed below. Each length of hose shall have a service test pressure rating of at least 400 PSIG. The minimum kink burst test pressure shall be at least 800 PSIG. The hose shall have a tightly-woven 100% polyester double jacket, resistant to fading, snags, cuts, punctures, and abrasion, and shall be internally lined with TPU elastomer. Couplings shall be heavy-duty aluminum, with a grey hard coating; one male and one female per hose. Hose and couplings shall comply with the most recent editions of NFPA 1961, *Standard on Fire Hose*; and NFPA 1963, *Standard for Fire Hose Connections*.

The following lengths, diameters, hose colors, and coupling threads shall be provided:

Number of Hoses	Hose Length	Nominal Hose Internal Diameter	Hose Color	Coupling Thread
4	50 foot	1.75 inch	Orange	1.5 inch NS
5	50 foot	1.75 inch	Red	1.5 inch NS
6	50 foot	1.75 inch	Yellow	1.5 inch NS

2. Niedner XL-800 fire hose, or equal, in lengths, diameters, couplings, and colors as listed below. Each length of hose shall have a service test pressure rating of at least 400 PSIG. The minimum kink burst test pressure shall be at least 600 PSIG (450 PSIG for 3 inch hose). The hose shall have a tightly-woven 100% polyester double jacket, resistant to fading, snags, cuts, punctures, and abrasion, and shall be internally lined with TPU elastomer. Couplings shall be heavy-duty aluminum, with a grey hard coating; one male and one female per hose. Hose and couplings shall comply with the most recent editions of NFPA 1961, *Standard on Fire Hose*; and NFPA 1963, *Standard for Fire Hose Connections*.

The following lengths, diameters, hose colors, and coupling threads shall be provided:

Number of Hoses	Hose Length	Nominal Hose Internal Diameter	Hose Color	Coupling Thread
14	50 foot	3.0 inch	White	2.5 inch NS
6	50 foot	2.5 inch	Blue	2.5 inch NS
6	50 foot	2.5 inch	Green	2.5 inch NS

3. Niedner Supplyline fire hose, or equal, in lengths, diameters, couplings, and colors as listed below. Each length of hose shall have a service test pressure rating of at least 300 PSIG. The minimum kink burst test pressure shall be at least 300 PSIG. The hose shall have a tightly-woven 100% polyester double jacket, resistant to fading, snags, cuts, punctures, and abrasion, and shall be internally lined with TPU elastomer. Couplings shall be heavy-duty aluminum, 5 inch Storz self-locking. Hose and couplings shall comply with the most recent

editions of NFPA 1961, *Standard on Fire Hose*; and NFPA 1963, *Standard for Fire Hose Connections*.

The following lengths, diameters, hose colors, and coupling threads shall be provided:

Number of Hoses	Hose Length	Nominal Hose Internal Diameter	Hose Color	Coupling Thread
1	25 foot	5.0 inch	Yellow	5.0 inch Storz

4. Fire hose coupling adapters, Kochek models as shown below or equal, in threads and styles as listed below. All adapters shall be constructed of 6061T6 aluminum, and shall comply with the most recent edition of NFPA 1963, *Standard for Fire Hose Connections*. All adapters shall be hardcoated in a manner meeting the requirements of Mil Spec 8625, Type III, Class I. The hardcoating shall be in a color as specified below.

Number of Adapters	Thread A	Thread B	Style	Color	Kochek model number
2	2.5 inch NS Male	2.5 inch NS Male	Rocker lug double male	Yellow/Lime	36R2525-Y
2	2.5 inch NS Female	2.5 inch NS Female	Rocker lug double swivel female	Yellow/Lime	35R2525-Y
2	1.5 inch NS Male	1.5 inch NS Male	Rocker lug double male	Yellow/Lime	36R1515-Y
2	1.5 inch NS Female	1.5 inch NS Female	Rocker lug double swivel female	Yellow/Lime	35R1515-Y
1	1.5 inch NS Female	1.5 inch Iron Pipe Male	Rigid rocker lug female to male adapter	Yellow/Lime	37R1515P-Y
1	1.5 inch Iron Pipe female	1.5 inch NS Male	Rigid rocker lug female to male adapter	Yellow/Lime	37R1515P-Y
2	5 inch Storz	4 inch Storz	Storz to storz adapter	Yellow/Lime	S60S54-Y
2	6 inch Storz	5 inch Storz	Storz to storz adapter	Yellow/Lime	S60S65-Y

5. Two (2) Kochek hydrant and spanner wrench sets with holder, Kochek model K45-3 or equal. Set shall comprise two (2) spanner wrenches for 1.5 and 2.5 inch couplings, with integral gas shutoff tool and prying end; one hydrant wrench with a double-spanner head; and a triple holder for the three wrenches, suitable for mounting on a vertical or horizontal surface.

6. Two (2) Kocheck Large Diameter Hose spanner wrench sets, Kocheck model KS34 or equal. Set shall comprise four (4) spanner wrenches for 4 inch and 5 inch Storz style couplings, and a mounting bracket for the four wrenches suitable for mounting on a vertical or horizontal surface.
7. Two (2) hydrant wrenches, Kocheck model K08 or equal. Wrench shall be adjustable to accommodate and operate pentagonal-style hydrant operating nuts, with integral storz and 2.5 inch spanners built into the head.
8. One (1) tool bag, Klein Tools model 5103S or equal, with heavy canvas construction, leather-reinforced carrying rope with swivel snap, HDPE top ring, and molded polypropylene bottom.

Appliances

9. Four (4) Task Force Tips In-Line-Valves with standard gearbox, Model AN5R1T01 or equal. The valve shall be controlled with an NFPA compliant slow-close hand wheel gear operator which can be configured for left or right hand operation. A position indicator shall be provided to allow for quick visualization of the status of the valve in the open, closed or partial positions. The unit shall have a large carrying handle. For maximum corrosion protection the aluminum casting shall be hardcoat anodized, with a powder coat internal and external finish. The valve ball shall be stainless steel. A pressure relief valve shall not be installed, however a blank plate for later addition of an adjustable pressure relief valve is acceptable.

The connections shall be: 4.5 inch NH female long handle swivel inlet and 5 inch Storz rigid outlet and include polymer bearing strips for prevention of galvanic corrosion. The unit shall have a unique serial number and be covered by a five-year warranty.

10. One (1) Task Force Tips Task Force Tips model #AB1ST-NX-PS manually operated lightweight aluminum ball intake valve, or equal. The unit shall be equipped with an adjustable pressure relief valve under the main valve body with an eight position adjustable inlet elbow. The valve shall be controlled with an NFPA compliant slow-close crank handle gear operator located on top of the gear box. A 0.75 inch bleeder valve shall be provided to exhaust excess air or water from the valve and hoseline. A position indicator shall be provided to allow for quick visualization of the status of the valve in the open, closed or partial positions. For maximum corrosion protection the aluminum casting shall be hardcoat anodized, with a powder coat internal and external finish and all components facing the wet side of the valve shall be constructed from stainless steel.

The connections shall be 5 inch Storz rigid with a 30 degree swiveling detent elbow, and a 6 inch female National Hose swivel long-handled connection with polymer bearing strips for prevention of galvanic corrosion. The valve shall be covered by a five year warranty.

11. Two (2) Task Force Tips gated wyes, model AYNJ-NF or equal. Wyes shall have a 2.5 inch female NH swivel rocker lug inlet and two (2) 1.5 inch male NH outlets. The outlets shall have 1/4 turn aluminum ball valves with color-coded Nylon folding handles. For corrosion resistance the valve shall be hardcoat anodized and shall have a durable powder coat interior and exterior finish. The unit shall be covered by a five-year warranty.
12. One (1) Task Force Tips gated wye, model AY8ST-NJ or equal. The wye shall be configured with a 5" Storz swivel inlet and two (2) 2.5 inch male NH outlets. The outlets shall have quarter-turn aluminum ball valves with full 2.5 inch waterway, and color-coded folding Nylon handles with auto-lock feature. A 0.25 inch NPT female plugged pressure gauge port, 0.75 inch NPT female plugged bleeder valve port, and carrying handle shall be standard. For corrosion resistance the wye shall be hardcoat anodized and shall have a durable silver powder coat interior and exterior finish. The unit shall be covered by a five-year warranty.
13. One (1) Task Force Tips 3-way gated wye, model AL32T1 or equal. The wye shall be configured with a 5 inch Storz swivel inlet and three (3) 2.5 inch male NH outlets. The outlets shall have quarter-turn aluminum ball valves with full 2.5 inch waterway, and color-coded folding Nylon handles with auto-lock feature. A carrying/dragging strap shall be standard. The unit shall be equipped with an adjustable pressure relief valve. A 0.75 inch female NPT threaded and plugged port shall allow the addition of an optional bleeder valve to exhaust excess air or water from the valve and hoseline. For corrosion resistance the unit shall be hardcoat anodized and shall have a durable silver powder coat interior and exterior finish. The unit shall have a unique serial number and be covered by a five-year warranty.
14. Three (3) Kocheck 2.5 inch gate valves, model 09KT25225M or equal. The valves shall be configured with a 2.5 inch national standard female inlet and a single 2.5 inch national standard male outlet. The valves shall operate via a handwheel at the top of the valve body, with a non-rising stem moving a vertically-travelling gate. The gate shall open fully in nine turns of the handwheel or less. Construction shall be of lightweight aluminum, powder coated for durability.

Nozzles

15. Task Force Tips Blitzfire OSC model # XXC-33-HE oscillating portable lightweight high elevation attack monitor package comprising of oscillating monitor, Max Series nozzle tip and bracket. The unit shall be covered by a five-year warranty.

The package shall be configured as follows:

The monitor shall have a water powered turbine that will allow the nozzle to automatically sweep 10, 15 or 20 degrees left and right of center. The oscillating mechanism shall have a disconnect feature to allow for manual horizontal rotation.

The monitor shall include an integral safety shut off valve that will automatically shut down the water flow in the event control of the monitor is lost. The water flow will be controlled by

a six position detent, turbulence free slide valve. The detent flow control shall also function as the reset for the safety shut off valve to resume water flow.

The water inlet shall pivot up and down to allow for stability on uneven surfaces. The discharge has vertical elevation travel between 10 and 86 degrees above horizontal with a ball and socket joint. The same ball and socket joint shall allow for horizontal adjustment of 20 degrees left and right of center.

The monitor shall have folding stabilization legs with carbide tips, which are concealed in the carry and stow positions. An integral carrying handle that also functions as an attachment point for the included anchor strap shall be provided. For corrosion resistance, the monitor shall be constructed from hardcoat anodized aluminum alloy and have a blue powder coat interior and exterior finish.

The monitor shall be configured with a female swivel rocker lug coupling and male rigid outlet with a flow rating of 500 GPM.

16. One (1) Task Force Tips Max Matic low pressure automatic nozzle tip, model MD17A. The nozzle design shall allow for straight stream through dense wide fog patterns and be able to be flushed without shutting down. The ribbed rubber bumper shall allow for stream shape adjustment. For corrosion resistance and durability the nozzle shall be constructed from hardcoat anodized aluminum alloy, a protective rubber bumper with fog teeth, laser engraved serial number, reflective labeling and five year warranty. The nozzle shall comply with the current NFPA 1964 standard. The nozzle shall be suitable for foam solution application and designed to accept a Task Force Tips FJ-LX-MD low expansion air aspirating attachment. The nozzle shall have a 2.5 inch female NH swivel rocker lug coupling and a flow range of 100-500 GPM at 80 PSI.
17. One (1) Task Force Tips storage bracket, model XX-B or equal. The bracket shall be constructed from stainless steel and hardcoat aluminum and be designed for horizontal or vertical installation. The bracket shall include an adjustable strap assembly for elimination of nozzle movement. The bracket shall be designed for storage of the Blitzfire Oscillating portable monitor. The unit shall be covered by a five-year warranty.
18. Three (3) Task Force Tips Mid Matic automatic nozzles with shutoff, model HM-V or equal. The nozzle design shall allow for straight stream through dense wide fog patterns and be able to be flushed without shutting down. For corrosion resistance and durability the nozzle shall be constructed from hardcoat anodized aluminum alloy, have a six (6) position detent flow control stainless steel slide valve, a protective rubber bumper with fog teeth, stainless steel inlet debris screen, laser engraved serial number, reflective labeling and five year warranty. The nozzles shall not have pistol grips. The nozzle shall comply with the most recent edition of NFPA 1964, *Standard for Spray Nozzles*. The nozzle shall have a 1.5 inch female NH inlet which allows the nozzle to swivel when tightened, a flow range of 70-200 GPM at 100 PSI and be designed to accept the Task Force Tips FJ-MX-HM multi expansion foam attachment.
19. Two (2) Task Force Tips Dual-Force, dual low-pressure automatic nozzles with shutoff,

model # HDL -2V or equal. A knob located at the front of the nozzle shall allow for pressure rating adjustments of 75 or 45 PSI. The nozzle design shall allow for straight stream through dense wide fog patterns and be able to be flushed without shutting down. For corrosion resistance and durability the nozzle shall be constructed from hardcoat anodized aluminum alloy, have a six (6) position detent flow control stainless steel slide valve, a protective rubber bumper with fog teeth, stainless steel inlet debris screen, laser engraved serial number, reflective labeling and five year warranty. The nozzles shall not have pistol grips. The nozzles shall have a 2.5 inch female NH inlet, which allows the nozzle to swivel when tightened, a flow range of 95-250 GPM at 75 PSI. The nozzle shall be designed to accept the Task Force Tips FJ-HMX multi expansion foam attachment.

20. Two (2) Task Force Tips FoamJet air aspirating tube attachments for multi expansion foam, model FJ-MX-HM or equal. The device shall be designed for use with TFT Mid-Matic series nozzles and constructed from UV stabilized polyethylene, stainless steel and nickel plated aluminum. The attachment shall be able to produce a quality foam blanket using AFFF foam concentrates compliant with Mil Spec F24385F, and be able to be quickly removed to restore the nozzle to its original configuration. The unit shall be covered by a five-year warranty
21. One (1) Task Force Tips FoamJet air aspirating tube attachment for multi expansion foam, model FJ-MX-MD or equal. The device shall be designed for use with TFT Max-Matic series nozzles and constructed from ABS, PVC, and aluminum. The attachment shall be able to produce a quality foam blanket using AFFF foam concentrates compliant with Mil Spec F24385F and be able to be quickly removed to restore the nozzle to its original configuration. The unit shall be covered by a five-year warranty.
22. One (1) Task Force Tips "Transformer Plus" piercing tip set, model PA2. The set shall contain hardcoat anodized aluminum alloy tubes, rotary shut off valve, pistol grip, junction block, hardened stainless steel point, and spinning distributor nozzle allow water or foam applications in areas not accessible to firefighters. The piercing nozzles shall have a flow rating of 150 gpm at 100 psi (600 l/min @ 7 bar) through several jet openings at the tip in a wide spray pattern. The distributor nozzle shall have a flow rating of 150 gpm at 100 psi (570 l/min @ 7 bar) through three rotating spinners for a dense water pattern. Distributor nozzle can be attached directly to 1.5" NH (38mm) hose with an included adapter. The rotary valve shall allow for easy flow control with a simple twist of the grip. The included tubes can be assembled for a length of 55.6" (141.4 cm). A heavy duty nylon carrying bag shall be included to keep all components protected and available for immediate configuration. An 1.5" (38mm) NH female swivel inlet shall be provided.

Power Tools and Extrication Equipment

23. One (1) Husqvarna model 545, model number 966 64 86-08 chainsaw or equal. Chainsaw shall have 3.35hp, 50.1cc engine with an automatically compensating carburetor,

centrifugal air cleaner, adjustable cutting oil pump, combined choke/stop control, side mounted tensioner, inertial chain brake, and 18 inch / 0.325 inch bar with H22 chain.

24. One (1) Hurst E-Draulic cutter, model S700E2 or equal. Cutter shall consist of a hydraulically operated piston activating mechanical joints symmetrically to open or close a set of two opposite blade arms, whereby cutting surfaces go on top of each other without making contact thus enabling objects to be cut. The tool shall not need to be connected to an external hydraulic source, generation of the required hydraulic pressure shall take place within the body of the device by either a quick exchange lithium/ion battery or an external power supply. The tool shall be equipped with light-emitting diodes attached on the operating side to facilitate work under poor lighting conditions. For simplicity, the lights must be powered by the same Lithium-Ion battery that powers the electro-hydraulic tool and not a secondary battery. The cylinder of the tool shall be made of anti-corrosive light aluminium alloy for its lightweight, strength and long life. The body of the tool shall have a high impact, non-metallic housing. The housing shall have ventilation holes on both sides of the unit for cooling the motor. The maximum cutter opening at the tips shall be 7.6 in (192 mm). The cutter will be of slightly curved blade geometry for pulling the debris away and to the center with intelligent cutter geometry reducing tool movement and providing maximum cutting performance. The blades shall be made of investment cast dropped-forged steel which has a glass-pearl blasted finish and are regrindable. The blades of the tool should be attached to the piston rod via removable links for ease of repair, efficient power transmission and smooth operation. The pivot points of the blades shall have a rubber boot hand guard for safety purposes. The engineered curved blades with sophisticated geometry close at the tips and then pull the object to be cut towards the point where the maximum cutting force is applied to the relevant working range providing superior cutting performance and significantly reducing cutter wear. The cutting performance of the tool shall be able to cut up to 1.57 in (40 mm) diameter round stock steel. The tool shall have a dual pilot check valve to prevent accidental movement of the blades in the event of power loss. The control mechanism shall feature a star-grip control actuator for ease of operation by allowing 360° operations in any position. The mechanism shall be separate and independent from the handle to provide added control in close-quarter operation. The tool must provide a non-interflow shear seal "dead man" actuator, whereby the unit stops functioning when thumb pressure is released. The opening and closing positions shall be clearly marked. The tool shall be protected by a pressure relief valve that prevents it from being over pressurized. The tool dimensions without the battery shall not be any longer than 36.2 (920 mm), wider than 11.7 in (296 mm) or higher than 10.3 in. The maximum operating pressure to the tool will be 11,603 psi. The nominal electrical voltage (with power supply) is 24 V. The nominal electrical voltage (with lithium/ion battery) is 25.2 V. The current consumption should be 12 amp in idle mode and 45 amp at maximum load. The tool shall be able to tolerate an ambient temperature range of -4°F (-20°C) up to +131°F (+55°C).

The tool must be NFPA 1936; 2015 Edition certified and shall be labelled as such bearing the mark of the testing agency. Cutting classification shall be A8 / B9 / C8 / D9 / E9.

The tool shall not weigh more than 48.1 lbs (21.8 kg) without the battery or cable plug.

Two batteries and a 110vAC charging station shall be provided.

25. One (1) Hurst e-draulic spreader, model SP310E2 spreader, or equal. Spreader shall consist of a hydraulically activated piston with two equal, opposite light metal alloy spreader arms that are symmetrically opened by mechanical joints, thereby spreading objects. Closing the spreader arms is also carried out hydraulically and mechanically by reverse order of the piston. The spreader shall not need to be connected to an external hydraulic source, generation of the required hydraulic pressure shall take place within the body of the device by either a quick exchange lithium/ion battery or an external power supply.. The electro-hydraulic tool shall be equipped with lights to facilitate work under poor lighting conditions. For simplicity, the lights must be powered by the same Lithium-Ion battery that powers the electro-hydraulic tool and not a secondary battery. The cylinder of the tool shall be made of anti-corrosive light aluminium alloy for its lightweight, strength and long life. The body of the tool shall have a high impact, non-metallic housing. The housing shall have ventilation holes on both sides of the unit for cooling the motor. The spreading force shall be up to 72,800 lbf. The tool shall produce a maximum spreading distance of 28.54 in. The use of the chains shall not require the removal of the tips for attachment.

The tool shall produce a pulling distance of 18.7 in.

The tips shall have a unique cross section diamond design providing excellent gripping with minimal slippage during spreading and lifting operations. The tips are to be made from investment cast heat-treated steel. The arms of the tool should be made of aluminium alloy and attach via removable links for ease of repair, efficient power transmission and smooth operation. The pivot points of the arms shall have a rubber booted hand guard for safety purposes.

The control mechanism shall feature a star-grip control actuator for ease of operation by allowing 360 ° operations in any position. The tool must provide a non-interflow shear seal “dead man” actuator, whereby the unit stops functioning when thumb pressure is released. The star grip automatically returns to the central position, guaranteeing the full load-holding. The tool shall have two handles. One located at the center of the tool and the other located below the control mechanism. The center crossbar handle shall allow easy ergonomic manipulation from the center or either side.

The tool will be equipped with a dual pilot check valve to prevent accidental movement of the arms in the event of power loss.

The tool shall be protected by a pressure relief valve that prevents it from being over pressurized.

The tool dimensions without the battery shall not be any longer than 37.6 in, wider than 13.6 in, or higher than 10.9 in

The maximum operating pressure to the tool will be 10,878 psi.

The nominal electrical voltage (with power supply) shall be 24 V. The nominal electrical voltage (with lithium/ion battery) shall be 25.2 V.

The tool shall be able to tolerate an ambient temperature range of -4°F up to +131°F.

The tool shall be NFPA 1936; 2015 Edition certified and shall be labelled as such bearing the mark of the testing agency.

The tool will not weigh more than 52.7 lbs without the battery or cable plug.

Two batteries and a 110vAC charging station shall be provided.

26. One (1) Hurst e-draulic combi-tool, model SC 757E2 or equal. The tool shall consist of a hydraulically activated piston with two equal, opposite blade arms that are symmetrically opened by mechanical joints, thereby spreading, squeezing, pulling or cutting objects. The tool shall not need to be connected to an external hydraulic source, generation of the required hydraulic pressure takes place within the body of the device by either a quick exchange lithium/ion battery or an external power supply. The tool shall be equipped with lights to facilitate work under poor lighting conditions. For simplicity, the lights must be powered by the same Lithium-Ion battery that powers the electro-hydraulic tool and not a secondary battery. The cylinder of the tool shall be made of anti-corrosive light aluminium alloy for its lightweight, strength and long life. The body of the tool shall have a high impact, non-metallic housing. The housing shall have ventilation holes on both sides of the unit for cooling the motor.

The maximum spreading force shall be up to 225,483 lbf (1003 kN). NFPA HSF test point produced 9,440 lbf (42 kN), the LSF test point produced 7,190 lbf (32 kN). The tool shall produce a spreading distance up to 14.5 in (368 mm) measured at the blade tips. The tool shall produce a maximum pulling force of 10,791 lbf (48 kN). NFPA HPF test point produced 12,400 lbf (55 kN), the LPF test point produced 8,770 lbf (39 kN). The tool shall produce a pulling distance of 15 in (380 mm).

The tips shall be multifunctional tips that can be used for spreading, peeling, squeezing and pulling without the need to be changed. The tips are to be serrated and made from investment cast heat-treated steel. The tool shall produce cutting forces up to 85,427 lbf (380 kN) measured at the rear end of the cutting surface and will be able to cut 1.3 in (32 mm) diameter round stock steel material.

The maximum cutter opening shall be 10.8 in (274 mm) and shall include a notch to focus maximum cutting force. The blades of the tool shall be of a straight serrated edge design for maximum cutting performance. The blades shall have integral tips for spreading applications. The blades of the tool shall contain shackle holes for pulling applications. The blades of the tool should be attached to the piston rod via removable links, for ease of repair, efficient power transmission and smooth operation. The blades shall be made of investment cast dropped-forged steel glass pearl blasted for long-life and quality. The blades shall be regrindable. The pivot points of the blades shall have rubber boot hand guard for safety purposes.

The control mechanism shall feature a star-grip control actuator for ease of operation by allowing 360 ° operations in any position. The tool must provide a non-interflow shear seal "dead man" actuator, whereby the unit stops functioning when thumb pressure is released. The star grip automatically returns to the central position, guaranteeing the full load-holding. The tool shall have two handles. One located at the center of the tool and the other located below the control mechanism. The center crossbar handle allows easy ergonomic manipulation from the center or either side. The tool will be equipped with a dual pilot check valve. This is to prevent accidental movement of the arms in the event of power loss. The tool shall be protected by a pressure relief valve that prevents it from being over pressurized.

The tool dimensions without the battery shall not be any longer than 36.6 (929 mm), wider than 8.8 in (225 mm) or higher than 10.3 in (262 mm). The maximum operating pressure to the tool will be 10,200 psi (70 MPa) (700 bar). The nominal electrical voltage (with power supply) shall be 24 V. The nominal electrical voltage (with lithium/ion battery) is 25.2 V. The estimated current consumption at nominal voltage shall be 12 amps at idle mode and 40 amps at maximum load. The noise pressure level in idle mode shall be 69 dB(A) and 71

dB(A) in maximum load. The tool shall be able to tolerate an ambient temperature range of -4°F (-20°C) up to +131°F (+55°C).

The tool must be NFPA 1936; 2015 Edition certified and shall be labelled as such bearing the mark of the testing agency. Cutting classification should be no less than A7 / B7 / C7 / D7 / E7 as defined in NFPA 1936;2010 and certified by a 3rd party testing agency.

The tool will not weigh more than 41.4 lbs (18.8 kg) excluding the power supply.

27. One (1) Hurst e-draulic ram, model R421E2. The tool shall consist of a double-acting hydraulic cylinder. Extension and retraction will be carried out hydraulically. The tool shall have a multi-stage cylinder for applying pressure with varying pressure forces depending on the piston stage. The pressure force remain will constant within one piston stage. The ram shall extend to a distance of up to 53 in (1347 mm). The retracted length is to be no less than 23.5 in.(313 mm). The ram shall feature a two stage stroke. The maximum stroke for piston 1 shall be 15.2 in (387 mm) producing up to 28,600 lbf (127 kN) force. The maximum stroke for piston 2 shall be 14.3 in (363 mm) producing up to 13,500 lbf (60 kN) force. The piston stroke overall shall be 29.5 in (750 mm). The tool shall include heat-treated, investment-cast steel ram claw feet on the piston side and on the cylinder side for durable gripping and minimizing slippage. The tool shall have a dual pilot check valve to prevent accidental movement of the piston rod in the event of power loss. The control mechanism shall feature a star-grip control for ease of operation by allowing 360° operation in any position. The mechanism shall be separate and independent from the handle to provide added control in close-quarter operation. The tool must provide a “dead man” actuator whereby the unit stops functioning when hand pressure is released. The extend piston and retract piston shall be clearly marked. The tool must be NFPA 1936; 2015 Edition certified and shall be labelled as such bearing the mark of the testing agency. The tool will not weigh more than 41.9 lbs (19 kg) excluding the power supply. The tool shall be an electro-hydraulic device and not need to be connected to an external hydraulic source, generation of the required hydraulic pressure takes place within the body of the device by either a quick exchange lithium/ion battery or an external power supply. The tool shall be equipped with lights to facilitate work under poor lighting conditions, the lights shall be powered by the main battery – additional batteries for lighting are not acceptable. The cylinder of the tool shall be made of anti-corrosive light aluminium alloy for its lightweight, strength and long life. The body of the tool shall have a high impact, non-metallic housing. The housing shall have ventilation holes on both sides of the unit for cooling the motor. The tool shall be able to tolerate an ambient temperature range of -4°F (-20°C) up to +131°F (+55°C).

28. Four (4) Hurst e-draulic 110vAC battery adapters. The adapters shall allow the e-draulic tools above to operate from a 110vAC power source in place of the batteries.

29. One (1) Hurst mini-lite spreader, model 362R323 or equal. The tool shall have a spread of 8 inches, and a spreading force of at least 7300lbs. The power source shall be through a single hose to a Hurst manual hand pump (hand pump provided by the customer).

30. One (1) Hurst min-lite 8 inch ram, model 257R116 or equal. The tool shall have a retracted length of 7.5 inches, and an extended length of 10 inches. The maximum spreading force

shall be at least 10,000 lbs. The power source shall be through a single hose to a Hurst manual hand pump (hand pump provided by the customer).

31. Two (2) Hurst Support System cribbing and stabilization blocks, model 84150/9173 or equal. Sets shall each contain four of the following size blocks and wedges: 9" x 9" x 1" blocks, 9" x 9" x 2" blocks, 9" x 9" x 3" blocks, 9" x 3" x 3.1" wedge, and 9" x 6" x 3.1" wedge. Blocks and wedges shall be constructed of slip resistant, recycled plastic that will not splinter or crack. Blocks shall be able to be stacked on top of each other to provide a stable base.

32. One (1) Paratech Interstate/Motorway VSK strut set, model 22-796855. comprising of the following:

The Acme Thread Rescue Strut (main operational component of the stabilization kit) shall consist of an extendable strut not to exceed 25 inches when collapsed. The strut shall be 3 inch diameter extruded seamless aluminum alloy tube with a solid movable threaded shaft. Seamless tube is required to ensure a monolithic structure with predictable strength throughout and to provide superior strength, formability, and finishing best suited for pressure applications found in emergency shoring operations.

All rescue struts and controls shall be hard coat anodized for protection and longevity. They shall extend manually or be activated by air, carbon dioxide, or nitrogen. The rescue struts shall be tested and capable of supporting the following loads at the corresponding safety factors below. All struts shall be labeled with a 4:1 safety load chart.

Rescue Strut Load Table			
Length	Working Load Chart at Following Safety Factors (pounds)		
	2:1	3:1	4:1
2	43,500	29,000	21,750
4	35,880	23,920	17,940
6	28,250	18,830	14,125

Acme Thread Rescue Struts

The Acme Threaded Rescue Struts shall allow for soft placement at vehicle incidents where vehicle stabilization is needed. They shall extend approximately 24 inches to 36 inches, depending on total length, and easily interface with the following components and accessories.

Quantities:

2 x 36-50 inch

2 x 48-73 inch

2 x 72-116 inch

Strut Extensions

Strut extensions shall come in two specific lengths, 12 inches and 24 inches, and shall be

constructed of 3 inch diameter extruded seamless aluminum alloy tube hard coat anodized for protection and longevity. East strut extension shall have a spring-loaded locking pin to permit simple and secure connection to the Rescue Struts

Quantity: 3 each (24 inch and 48 inch)

Base Plates

Ground Base Plates shall be designed to support the Rescue Struts during operations and be hard coat anodized for protection and longevity. They shall measure 12 inches by 12 inches and provide an aggressive ground contact surface. They shall include a fastening point to attach anchoring straps/ratchet belts and a hinged connector which will allow the Rescue Strut to move through a 90 degree range for proper placement and support.

Quantity: 6

“V” Bases shall be provided to attach to the Rescue Strut; these bases shall have a spring-loaded locking pin to permit simple and secure connection to the Rescue Struts. The “V” base shall act as a cradle to support the vehicle and be hard coat anodized for protection and longevity.

Quantity: 4

Shaped Bases

Shaped Bases shall be provided to attach to the Rescue Strut; these bases shall have a spring-loaded locking pin to permit simple and secure connection to the Rescue Struts. The cone base shall have a hardened steel point to penetrate into a vehicle, or a contoured base to conform to rounded vehicles, or a multi-base to connect to chains or other vehicle components, and safely support the vehicle load.

Quantities:

Contour Base: 4

Multi Base: 4

Ratchet Belts

Ratchet Belts shall have a minimum working load rating of 3,000 pounds and have a minimum length of 27 feet. They shall have positive hook fasteners at each end to secure the ratchet belts to the vehicle and base plates.

Quantity: 6

Additional Equipment:

Chain, 20 feet in length x 3/8 inch, grade 80. Chain shall have hooks at both ends, with a rated strength similar to that of the chain, for attaching back onto the 3/8 inch chain.

Quantity: 2

Tie-down keys with J-hooks, model number 22-796161, for attaching ratchet belts above to base plates or other components. **Quantity: 4**

Non-Slip neoprene pads, model number 22-890015, for an interface between the strut system and smooth metal components. **Quantity: 2**

Warranty

The seller shall be required to furnish a warranty on the complete Vehicle Stabilization System as described above for the service intended of the buyer. All equipment furnished shall be warrantied against all defects in material and workmanship for a period of at least five (5) years from the date of acceptance. The seller agrees to replace, without charge, and parts shown to be defective under the terms of this warranty.

Use, Care, and Maintenance Manual

Seller shall provide an illustrated step-by-step guide on the use, care, and maintenance of the Rescue Strut System provided.

33. One (1) Paratech Rescue Air Cushions Kit, Cushion Kit D/K 26 ton or equal. Kit shall contain the following:
 - a. Two (2) 26,241 pound capacity air cushions, 48 inch diameter, 39 inch lifting height
 - b. PVC coated nylon carrying case
 - c. Dual controller with gauges and safety relief valve, 14.7psi
 - d. Air hose, 1 inch diameter x 20 feet, color red
 - e. Air hose, 1 inch diameter x 20 feet, color blue
 - f. Air hose, 0.375 inch diameter x 16 feet, color black
 - g. Air cushion repair kit

34. One (1) Paratech MaxiForce model 117 lift bag airbag set, or equal. Set shall contain the following:
 - a. 1 - 15 inch x 15 inch, 13.7 ton capacity air bag
 - b. 2 - 15 inch x 17 inch, 15 ton capacity air bags
 - c. 2 - 20 inch x 20 inch, 20.2 ton capacity air bags
 - d. 2 - 24 inch x 24 inch, 38.0 ton capacity air bags
 - e. 1 - 15 inch x 42 inch, 39.5 ton capacity air bags

35. One (1) Paratech MaxiForce Master Control Kit G2, model 22-890300G2-150 or equal. Set shall contain the following:
 - a. 1 - Dual Deadman Safety Relief and Bag Controller
 - b. 1 - Pressure regulator, 200psi, 5500-136psi with CGA 346/347 inlet
 - c. 4 - Inline relief valves
 - d. 2 - Paratech nipple 0.25 inch NPT M
 - e. 2 - Paratech nipple 0.25 inch NPT F
 - f. 2 - Paratech nipple 0.125 inch NPT M
 - g. 1 - Paratech nipple and locking tire chuck
 - h. 1 - shutoff Adapter nipple with Industrial Nipple with Valve
 - i. 2 - "Y" with two couplings and one nipple
 - j. 1 - Shutoff adapter nipple with twist lock

- k. 5 – Air hoses, 0.375 inch diameter x 16 feet, one each in black, blue, yellow, red, and green
 - l. 1 – Master Control Kit Case
36. One (1) Dewalt 20 volt Lithium Ion cordless combo kit model DCK292L2, or equal. Kit shall contain the following:
- a. Hammer drill
 - b. Reciprocating saw,
 - c. Two 20 volt MAX lithium ion 3.0amp hour battery packs
 - d. 110vAC fast charger
 - e. 360 degree side handle
 - f. Storage bag

Hand Tools, etc.

37. Two (2) 30" Pro Bar Halligan tools, no exceptions. Tool shall be one piece, drop forged alloy steel. Pinned, welded, or other multi-piece designs are not acceptable.
38. Two (2) flat head axes, Fire Hooks Unlimited model LS-8 or equal. Axes shall be constructed of high carbon steel, heat treated and coated with an anti-rust zinc plating. Slots shall be provided in the head of the axe to accept the fork of a Pro Bar Halligan tool. Axes shall also have a yellow fiberglass handle with black thermo rubber grips.
39. One (1) pick head axe, Fire Hooks Unlimited model FAP-8. Axe shall have a yellow fiberglass handle.
40. One (1) 32" Closet hook, Fire Hooks Unlimited model "Providence Pierce Hook" with a D-handle end and 32 inch fiberglass handle.
41. One (1) each pike poles in 6', 8', and 12' lengths, Fire Hooks Unlimited model "Providence Pierce Hook" with aluminum ram knob ends and fiberglass handles with Celtex grip.
42. One (1) set, 24 inch bolt cutters.
43. One (1) sledge hammer, 16 pounds steel head with fiberglass handle and overstrike protection.
44. One (1) pry bar, 51" long x 1-1/8" diameter, forged steel with pinch point and tapered end.
45. One (1) Tool set, Craftsman model 36254 or equal, with 134 SAE and Metric sockets in 1/4", 3/8" and 1/2"; spark plug socket; 10 inch ignition wrenches; magnetic holder; 38 screwdriver bit set; 12 nut driver bits; 40 hex keys; 3 quick release ratchets in 1/4", 3/8" and 1/2"; 4 extension bars, and 12 ratcheting wrenches with included tool storage box.

46. Four (4) salvage covers, nylon covered with a red vinyl material with double-stitched, triple reinforced edge hems. Edges shall have #4 brass grommets. All covers to be 12' x 18' in size.

Medical Equipment

47. One (1) Iron Duck "Base Board" long spine board, model 35850 or equal. Board shall be yellow in color with offset pins in the handholds.
48. Three (3) sets Iron Duck model 30520F, 5' two-piece nylon Stretcher Straps, orange in color, with speed clips.

Tool Holding

49. Two (2) Fire Hooks Unlimited "Irons Shoulder Strap" sets, model ISS82.
50. Three (3) Fire Hooks Unlimited "Can Harness" sets, model CH-312.

Electrical / Lighting Equipment

51. Two (2) LED 220 watt, 110v flood lights, Akron Brass model ELSS-XLAC-HDPL Hazardous Location SceneStar Portable lights. Lights shall produce 20,000 lumens and be listed by Underwriters Laboratories for use in Class 1, Division 2, Group B and C locations.
52. Three (3) Akron Brass model EJBX electrical junction boxes with the following options:
- a. Internal lighting
 - b. 12" pigtail with a NEMA L5-20P male plug.
 - c. Two (2) NEMA 5-15R duplex receptacles
 - d. Two (2) NEMA L5-15R duplex receptacles
 - e. Yellow powder coat exterior
53. One (1) MSA Altair 5X Multigas Detector model A-ALT5XDLK3710C010 with the following options:
- a. Internal sampling pump
 - b. Color display and Photo Ionization Detector
 - c. Sensors:
 - i. Combustible Gas (0% to 100% LEL, pentane)
 - ii. Oxygen (0% to 30% volume)
 - iii. Carbon Monoxide (0 to 2000 ppm)
 - iv. Hydrogen Sulfide (0-200 ppm)
 - v. 10.6 eV PID, 0-2000 ppm
 - d. 110vAC Charger
 - e. Carrying strap
 - f. Non-reactive sampling probe

54. One (1) MSA Galaxy GX2 Calibration kit for the Altair 5X multigas meter model A-GX2-C4110N1A0, with the following options:
- a. Single cylinder and valve
 - b. With charger
 - c. No multi-unit charger
 - d. North America power cord
 - e. MSA Link Software USB Key
 - f. Secure Digital USB Key
 - g. One (1) Calibration Gas Cylinder (34L) 1.45% CH₄, 15% O₂, 60 PPM CO, 20 PPM H₂S 10048280
55. One (1) MSA Evolution 6000 Basic handheld thermal imaging camera. The camera shall meet at least the following requirements:
- a. An uncooled 320x240 vanadium oxide microbolometer sensor
 - b. A 3.5" diagonal color display
 - c. Compliant with the requirements of NFPA 1801, 2013 edition
 - d. An IP67 dust/water infiltration rating
 - e. Two (2) Lithium Ion rechargeable battery packs to be included
 - f. Vehicle mounted charger, 12vDC, for camera and one battery to be included
 - g. Retractable lanyard and carabiner to be included
 - h. Camera shall have the following options:
 - i. Direct temperature measurement, from -40F to 320F in high sensitivity mode and from -40F to 1112F in low sensitivity mode
 - ii. Thermometer style readout bar in Fahrenheit
 - iii. Heat Seeker Plus indicator, showing yellow, orange, and red areas on the display according to sensed temperature
 - iv. Laser Pointer

Fire Extinguishers

56. One (1) 2-1/2 gallon pressurized water fire extinguisher, Amerex model 240 or equal, with a polished stainless steel shell, all metal valve construction, butt-welded, and a 5-year manufacturer's warranty.
57. Two (2) 30 pound Purple K dry chemical fire extinguishers, Amerex model 591 or equal, with a 160:B-C rating, 34 second discharge time, 40-50 foot range, protective rubber foot rings, all metal valve construction, chrome plated brass gauge protection, and a 12-year manufacturer's warranty.

Self Contained Breathing Apparatus

58. Five (5) Scott Air Pack 75, 2013 edition self-contained breathing apparatus, Scott model number X3214021000301. SCBA shall be compliant with NFPA 1981, 2013 edition standards and come equipped with standard harness, 4500 psi pressure, standard belt, standard facepiece mounted regulator hose, no EBSS, integrated PASS with Pak-Tracker,

and no storage case. All SCBA shall be covered by the standard Scott warranty. No cylinders are to be supplied, the purchaser will be providing Scott 4500psi, 45-minute cylinders. No exceptions or equals will be accepted for this item.

59. Nineteen (19) Scott AV3000-HT face pieces, compliant with NFPA 1981, 2013 edition standards. Sizes of each mask will be determined at the time of the bid award. Each mask shall be equipped with a Comm Bracket Kit and an Epic 3 voice amplifier. A fleece facepiece bag shall also be provided for each mask.

**IFB NO. 26329
RESCUE TOOLS AND EQUIPMENT
RESPONSE FORM**

Responses are **due no later than 10:30 a.m., April 7, 2016**. Rhode Island Airport Corporation, T. F. Green Airport, Office of Procurement, 2000 Post Road, 3rd floor, Warwick, RI 02886. Vendors may copy/scan these pages to facilitate completing the information, but must return response in this format/order.

The undersigned, on behalf of the bidder, certifies that: This offer is made without previous understanding, agreement or connection with any person, firm, or corporation entering a bid on the same project; Is in all respects fair and without collusion or fraud. The person whose signature appears below is legally empowered to bind the company in whose name the bid is entered. They have read the entire document and understand all provisions. If accepted by RIAC this bid is guaranteed as written and amended and will be implemented as stated.

Firm Name _____

Contact _____

Signature _____ Title _____

Address _____ City/State _____ Zip _____

Phone _____ Fax _____ Hours _____

Taxpayer I.D. Number _____

Company Web Site Address _____ E-Mail _____

General Nature of Business _____

Type or Organization (check one):

Sole Proprietorship Partnership Incorporated Public Corporation Private Corporation

Minority Business Enterprise Woman-Owned Business Enterprise

Small Business Enterprise

Manufacturer Distributor Retail Dealer Service

Number of Locations _____ Number of Persons Employed _____

We Acknowledge Receipt of These Addenda: No. _____, Dated _____; No. _____, Dated _____

Has any person, firm, or corporation entering a proposal on the project been disbarred or suspended by the State of Rhode Island? If so indicate dates and explanation for such.

ALL vendors interested in responding MUST provide the following requested information in this format. Additional information may be included on accompanying sheets if necessary.

1. **Any additional information necessary to assist RIAC in evaluating your bid may be listed here.**

2. **Provide references from at least (3) companies, which have received the proposed or similar services.**

- a. Name of Facility, Group, Organization or Firm _____
Address _____
Contact Person _____ Phone Number _____
Email _____

- b. Name of Facility, Group, Organization or Firm _____
Address _____
Contact Person _____ Phone Number _____
Email _____

- c. Name of Facility, Group, Organization or Firm _____
Address _____
Contact Person _____ Phone Number _____
Email _____

3. **List any deviations from the SPECIFICATIONS and MANDATORY REQUIREMENTS section in this document. An explanation must be provided below and documentation provided to verify compliance with the minimum specifications on a similar or equivalent basis.**

4. Pricing

Each line of the pricing sheet below coincides with the line item in the Specification, along with a brief description of the item and the quantity desired. In the event of a discrepancy between this worksheet and the specification, the description in the specification shall be controlling.

In the event that you do not wish to bid on certain item(s), please check the “No Bid” column for that item. Also, please indicate the number of days it will take to deliver each item to RIAC.

Contract award will be made to the lowest responsive and responsible bidder(s) by item.

Hose, Hose Tools, and Fittings

LINE ITEM	DESCRIPTION	QTY	PRICE EACH	TOTAL	NO BID	DELIVERY DAYS
1	Neidner Ultra 2000 fire hose, 1-3/4", 50' lengths	15				
2	Neidner XL-800 fire hose, 2-1/2" and 3", 50' lengths	26				
3	Neidner Supplyline fire hose, 5", 25' length	1				
4	Various adapters	16	NA			
5	Spanner Wrench sets	2				
6	LDH Spanner Wrench sets	2				
7	Hydrant Wrench	2				
8	Tool Bag	1				
9	TFT In-Line Valves, AN5R1T01	4				
10	TFT Ball Intake Valve, AB1ST-NX-PS	1				
11	TFT Gated Wyes, 1-1/2" x 2-1/2", AYNJ-NF	2				
12	TFT Gated Wye, 5" x 2-1/2", AY8ST-NJ	1				
13	TFT Gated Wye, 5" x 2-1/2", AL32T1	1				
14	Gated 2-1/2" valves	3				

Nozzles

LINE ITEM	DESCRIPTION	QTY	PRICE EACH	TOTAL	NO BID	DELIVERY DAYS
15	TFT Blitzfire Oscillating, XXC-33-HE	1				
16	TFT MaxMatic low pressure nozzle, MD17A	1				
17	TFT Blitzfire storage bracket, XX-B	1				
18	TFT MidMatic nozzles, 1-1/2", HM-V	3				
19	TFT Dual Force nozzles, 2-1/2", HDL-2V	2				
20	TFT FoamJets, FJ-MX-HM	2				
21	TFT FoamJet, FJ-MX-MD	1				
22	TFT “Transformer” piercing tip set, PA2	1				

Power Tools and Extrication Equipment

LINE ITEM	DESCRIPTION	QTY	PRICE EACH	TOTAL	NO BID	DELIVERY DAYS
23	Husqvarna chainsaw, model 545	1				
24	Hurst e-draulic cutter, S700E2	1				
25	Hurst e-draulic spreader, SP310E2	1				
26	Hurst e-draulic combi tool, SC757E2	1				
27	Hurst e-draulic ram, R421E2	1				
28	Hurst e-draulic 110vAC battery adapters	4				
29	Hurst mini-lite spreader, 362R323	1				
30	Hurst mini-lite 8" ram, 257R116	1				
31	Hurst Support System, 84150/9173	2				
32	Paratech Interstate/Motorway VSK Set, 22-796855	1				
33	Paratech Rescue Air Cushion Kits D/K	1				
34	Paratech MaxiForce lift airbag set, Model 117	1				
35	Paratech MaxiForce Master Control Kit G2	1				
36	DeWalt 20 volt LiIon combo kit, DCK292L2	1				

Hand Tools

LINE ITEM	DESCRIPTION	QTY	PRICE EACH	TOTAL	NO BID	DELIVERY DAYS
37	Pro Bar Halligan tools	2				
38	Flat Head Axes	2				
39	Pick Head Axe	1				
40	Closet Hook	1				
41	Pike Poles, 6', 8', and 12'	1				
42	24" bolt cutters	1				
43	16 lb sledge hammer	1				
44	Pry bar, 51" long	1				
45	Craftsman tool set, model 36254	1				
46	Salvage covers, 12' x 18'	4				

Medical Equipment

LINE ITEM	DESCRIPTION	QTY	PRICE EACH	TOTAL	NO BID	DELIVERY DAYS
47	Iron Duck "Base Board" long spine board, 35850	1				
48	Iron Duck 5' stretcher straps, 30520F	3				

Tool Holding

LINE ITEM	DESCRIPTION	QTY	PRICE EACH	TOTAL	NO BID	DELIVERY DAYS
49	Fire Hooks Unltd, Irons Shoulder Straps, model ISS582	2				
50	Fire Hooks Unltd, Can Harness, CH-312	3				

Electrical / Lighting

LINE ITEM	DESCRIPTION	QTY	PRICE EACH	TOTAL	NO BID	DELIVERY DAYS
51	Akron Brass 110vAC LED lights, ELSS-XLAC-HDPL	2				
52	Akron Brass plug boxes, model EJBX	3				
53	MSA Altair 5X Multigas Detector	1				
54	MSA Galaxy G2 calibration kit	1				
55	MSA Evolution 6000 Basic thermal imaging camera	1				

Fire Extinguishers

LINE ITEM	DESCRIPTION	QTY	PRICE EACH	TOTAL	NO BID	DELIVERY DAYS
56	Amerex 240, 2.5 gallon pressurized water extinguisher	1				
57	Amerex 591 Purple K fire extinguishers	2				

Self-Contained Breathing Apparatus

LINE ITEM	DESCRIPTION	QTY	PRICE EACH	TOTAL	NO BID	DELIVERY DAYS
58	Scott Air Pack 75 2013ed, 4.5, with Pak Tracker	4				
59	Scott AV3000-HT Facepieces with voice amplifier	1 9				

"NO BID" RESPONSE FORM

To submit a "No Bid" response for this project, this form must be completed for your company to remain on our bidders list for commodities/services referenced. If you do not respond your name may be removed from this bidders list.

Note: Please show the solicitation number on the outside of the envelope.

Please check statement(s) applicable to your "No Bid" response –

- Specifications are restrictive; i.e. geared toward one brand or manufacturer only (explain below).
- Specifications are ambiguous (explain below).
- We are unable to meet specifications.
- Insufficient time to respond to the solicitation.
- Our schedule would not permit us to perform.
- We are unable to meet bond requirements.
- We are unable to meet insurance requirements.
- We do not offer this product or service.
- Remove us from your vendor list for this commodity/service.
- Other (specify below).

Comments:

Company Name (as registered with the IRS)

Authorized Signature

Correspondence Address

City, State, Zip

Date

Printed Name

Title

Telephone/Fax /

Terms and Conditions

In submitting a response to this Invitation for Bids, vendors hereby understand the following:

1. All project participants, consultants, engineers, and contractors, must comply with all applicable federal, state laws and RIAC rules and regulations pertaining to contracts entered into by governmental agencies, including non-discriminating employment. Contracts entered into on the basis of submitted bids are revocable if contrary to law.
2. Alternate bids (two or more bids submitted) will be considered for award. RIAC reserves the right to make the final determination of actual equivalency or suitability of such bids with respect to requirements outlined herein.
3. The bids submitted, and any further information acquired through interviews, will become, and are to be considered, a part of the final completed contract. If there is any variance or conflict, the bid specifications, conditions, and requirements shall control.
4. Prices offered may not be withdrawn for a period of 360 days immediately following the opening of this Bid. Prices MUST also be free of federal, state and local taxes unless otherwise imposed by a governmental body, and applicable to the material on the bid.
5. Bidder MUST return the original attached Response Forms as noted previously on the bid due date.
6. Envelopes containing responses must be sealed and marked on the lower left-hand corner with the firm name and address bid number, date, and time.
7. RIAC interprets the term "lowest responsible bidder" as requiring RIAC to: (a) choose between the kinds of materials, goods, wares, or services subject to the bid, and (b) determine which bid is most suitable for its intended use or purpose. RIAC can consider, among other factors, such things as labor cost, service and parts availability, availability of materials and supplies, and maintenance costs of items upon which bids are received. RIAC can determine any differences or variations in the quality or character of the material, goods, wares, or services performed or provided by the respective bidders.
8. All requested information must be supplied. If you cannot respond to any part of this request, state the reason you cannot respond. You may provide supplemental information, if necessary, to assist RIAC in analyzing your bid.
9. A purchase order and/or contractual agreement constitutes RIAC's offer to the service provider upon the terms and conditions stated herein, and shall become binding meeting the terms set forth herein when it is accepted by acknowledgment or performance.
10. After award, if the successful bidder/supplier refuses or fails to make deliveries of the materials and or services within the times specified in the Invitation for Bids, purchase order, or contractual agreement, RIAC may, by written notice, terminate the contract OR purchase order.
11. The supplier shall hold and save RIAC, The State of Rhode Island, and its officers, agents, servants/employees harmless from liability of any patented or unpatented invention, process, article, or appliance manufactured, or used in the performance of the contract, including its use by RIAC.

12. Payment of the seller's invoices is subject to adjustment.
13. The Bidder agrees that:
- a. He/she shall not discriminate against any person under the present contract because of race, religion, color, sex, national origin, ancestry, or physical handicap;
 - b. In all solicitations or advertisements for employees, he/she shall include the phrase, 'Equal Opportunity Employer,' or a similar phrase;
 - c. If he/she fails to comply, he shall be deemed to have breached the present contract, and it may be canceled, terminated, or suspended, in whole or in part, by RIAC;
 - d. If he/she is found guilty of discrimination under a decision, he/she shall be deemed to have breached the present contract, and it may be canceled, terminated, or suspended, in whole or in part, by RIAC; and,
 - e. He/she shall include the provisions of subsections (a) through (d) inclusively of this paragraph in every subcontract or purchase order so that such provision will be binding upon such subcontractor or vendor.
14. RIAC shall retain the right to reject any and/or all bids received, and responses to this and/or related documents, if determined to be non-responsive in any form, or if determined to be in the best interest of RIAC.
15. The firm responding to this bid proposes to furnish all materials, labor, supplies, equipment and incidentals necessary to provide the equipment/materials/services described herein in accordance with the, Addenda, Contract, Bonds, Insurance, Plans, Specifications, Mandatory Requirements and Conditions.
16. If a response to this Invitation for Bids is accepted, the Bidder agrees to execute and deliver to RIAC a contract in accordance with the Contract Documents (if applicable) within ten days of notice of the award to the Bidder. The Bidder agrees that the surety/deposit given concurrently herewith shall become the property of RIAC in the event the Bidder fails to execute and deliver such contract within the specified time. In the further event of such failure, the Bidder shall be liable for RIAC's actual damages that exceed the amount of the surety.
17. It shall be understood that time is of the essence in the bidder performance. The bidder agrees that RIAC's damages would be difficult or impossible to predict in the event of a default in the performance hereof; and it is therefore agreed that if the bidder defaults in the performance of the Contract Documents, the bidder shall be liable for payment of the sums stipulated in the Contract Documents as liquidated damages, and not as a penalty.
18. The bidder hereby certifies that he/she has carefully examined all of the documents for the project, has carefully and thoroughly reviewed this Invitation for Bids, that he/she has inspected the location of the project (if applicable), and understands the nature and scope of the work to be done; and that this bid is based upon the terms, specifications, requirements, and conditions of the Invitation for Bids and documents. The Bidder further agrees that the performance time specified is a reasonable time, having carefully considered the nature and scope of the project as aforesaid.

19. All products/services and related equipment proposed and/or affected by acquisitions or purchases made as a result of the response to this document shall be compliant with existing RIAC hardware, software, and applications where applicable. Verification must be provided in the response to this document.
20. The Bidder certifies that this proposal is submitted without collusion, fraud or misrepresentation as to other Bidders, so that all bids for the project will result from free, open and competitive bidding among all vendors.
21. It shall be understood that any bid and any/all referencing information submitted in response to this Invitation for Bids shall become the property of RIAC, and will not be returned. RIAC will use discretion with regards to disclosure of proprietary information contained in any response, but cannot guarantee that information will not be made public. As a governmental entity, RIAC is subject to making records available for disclosure after Board approval of the recommendation.
22. RIAC will not be responsible for any expenses incurred by any vendor in the development of a response to this Invitation for Bids. Further, RIAC shall reserve the right to cancel the work described herein prior to issuance and acceptance of any contractual agreement/purchase order by the recommended vendor even if RIAC has formally accepted a recommendation.
23. Bids must be received prior to the time and dates listed to be considered responsive. RIAC will not "accept" late responses and will return them to the sender. Further, RIAC will NOT: (1) guarantee security of the document received; and (2) be held responsible for bids which are NOT legible (and may choose to reject such responses).
24. By submission of a response, the Bidder agrees that at the time of submittal, he/she: (1) has no interest (including financial benefit, commission, finder's fee, or any other remuneration) and shall not acquire any interest, either direct or indirect, that would conflict in any manner or degree with the performance of Bidder's services, or (2) benefit from an award resulting in a "Conflict of Interest." A "Conflict of Interest" shall include holding or retaining membership, or employment, on a board, elected office, department or bureau, or committee sanctioned by and/or governed by RIAC. Bidders shall identify any interests, and the individuals involved, on separate paper with the response and shall understand that RIAC, at the discretion of the Purchasing Director in consultation with RIAC Counselor, may reject their bid.
25. Campaign Finance Compliance - Every person or business entity providing goods or services at a cost of \$5,000 cumulated value is required to file an affidavit regarding political campaign contributions with the RI State Board of Elections even if no reportable contributions have been made. (RI General Law 17-27) Forms obtained at Board of Elections, Campaign Finance Division, 50 Branch Avenue, Providence, RI 02904 (401-222-2056).
26. Major State Decision-Maker - Does any Rhode Island "Major State Decision-Maker", as defined below, or the spouse or dependent child of such person, hold (i) a ten percent or greater equity interest, or (ii) a Five Thousand Dollar or greater cash interest in this business?

For purposes of this question, "Major State Decision-Maker" means:

- (i) All general officers; and all executive or administrative head or heads of any state

executive agency enumerated in R.I.G.L § 42-6-1 as well as the executive or administrative head or heads of state quasi-public corporations, whether appointed or serving as an employee. The phrase "executive or administrative head or heads" shall include anyone serving in the positions of president, senior vice president, general counsel, director, executive director, deputy director, assistant director, executive counsel or chief of staff;

- (ii) All members of the general assembly and the executive or administrative head or heads of a state legislative agency, whether appointed or serving as an employee. The phrase "executive or administrative head or heads" shall include anyone serving in the positions of director, executive director, deputy director, assistant director, executive counsel or chief of staff;
- (iii) All members of the state judiciary and all state magistrates and the executive or administrative head or heads of a state judicial agency, whether appointed or serving as an employee. The phrase "executive or administrative head or heads" shall include anyone serving in the positions of director, executive director, deputy director, assistant director, executive counsel, chief of staff or state court administrator,

If your answer is "Yes", please identify the Major State Decision-Maker, specify the nature of their ownership interest, and provide a copy of the annual financial disclosure required to be filed with the Rhode Island Ethics Commission pursuant to R.I.G.L. §36-14-16, 17 and 18.