

MARY BETH BOWMAN
DIRECTOR OF COMMERCE
DEPARTMENT OF COMMERCE
AND GOVERNMENT AFFAIRS
CITY OF NORTH LITTLE ROCK, ARKANSAS



120 Main Street, North Little Rock, AR 72114
P.O. Box 5757 North Little Rock, AR 72119
501-975-8881 Phone
501-975-8885 Fax

INVITATION TO BID

Bid Number: 19-3625 Date Issued: Monday, October 21, 2019

Date & Time Bid Opening: Friday, November 8, 2019 10:00 A .M.

SPECIAL OPERATIONS ROPE RESCUE EQUIPMENT City of North Little Rock Fire Department

Please direct technical questions to: Beau Buford
Assistant Fire Chief
North Little Rock Fire Department
bbuford@nlr.ar.gov
501-340-5383

If you are obtaining this bid from our website, please be reminded that addendums may occur. It is therefore advisable that you review our listings (www.nlr.ar.gov) for attachments including any changes to the bid.

The City of North Little Rock encourages participation of small, minority, and woman own business enterprises in the procurement of goods, services, professional services, and construction, either as a general contractor or sub-contractor. It is further requested that whenever possible, majority contractors who require sub-contractors, seek qualified small, minority, and woman businesses to partner with them.

EXECUTION OF BID

Upon signing this page, the organization certifies that they have read and agree to the requirements set forth in this bid including conditions set forth and pertinent information requests.

Name of Firm: _____ Phone No.: _____

Business Address: _____

Signature of Authorized Person: _____

Title: _____ Date: _____, 2019

UNSIGNED BID COVER SHEET WILL BE REJECTED.

GENERAL TERMS AND CONDITIONS FOR THE CITY OF NORTH LITTLE ROCK, AR

1. When submitting an "Invitation to Bid," the bidder warrants that the commodities covered by the bid shall be free from defects in material and workmanship under normal use and service. In addition, bidder must deliver new commodities of the latest design and model, unless otherwise specified in the "Invitation to Bid."
2. Prices quoted are to be net process, and when an error is made in extending total prices, the City may accept the bid for the lesser amount whether reflected by extension or by the correct multiple of the unit price.
3. Discounts offered will be taken when the City qualifies for such. The beginning date for computing discounts will be the date of invoice or the date of delivery and acceptance, whichever is later.
4. When bidding other than the brand and/or model specified in the "Invitation to Bid," the brand and/or model number must be stated by that item in the "Invitation to Bid," and descriptive literature be submitted with the bid.
5. The City reserves the right to reject any and all bids.
6. The Purchasing office reserves the right to award items, all or none, or by line item(s).
7. Quality, time and probability of performance may be factors in making an award.
8. Bid quotes submitted will remain firm for 30 calendar days from bid opening date; however, the prices may remain firm for a longer period of time if mutually agreeable between bidder and the Department of Commerce.
9. Bidder must submit a completed signed copy of the front page of the "Invitation to Bid" and must submit any other information required in the "Invitation to Bid."
10. In the event a contract is entered into pursuant to the "Invitation to Bid," the bidder shall not discriminate against any qualified employee or qualified applicant for employment because of race, sex, color, creed, national origin or ancestry. The bidder must include in any and all subcontracts a provision similar to the above.
11. Sales or use tax is not to be included in the bid price, but is to be added by the vendor to the invoice billing to the City. Although use tax is not to be included in this bid, vendors are to register and pay tax direct to the Arkansas State Revenue Department.
12. Prices quoted shall be "Free on Board" (F.O.B.) to destination at designated facility in North Little Rock. Charges may not be added after the bid is opened.
13. In the event of two or more identical low bids, the contract may be awarded arbitrarily or for any reason to any of such bidders or split in any proportion between them at the discretion of the Department of Commerce..
14. Specifications furnished with this Invitation are intended to establish a desired quality or performance level, or other minimum dimensions and capacities, which will provide the best product available at the lowest possible price. Other than designated brands and/or models approved as equal to designated products shall receive an equal consideration.
15. Samples of items when required, must be furnished free, and, if not called for within 30 days from date of bid opening, will become property of the City.
16. Bids will not be considered if they are:
 1. Submitted after the bid's opening time.
 2. Submitted electronically or faxed (unless authorized by Purchasing Agent).

17. Guarantees and warranties should be submitted with the bid, as they may be a consideration in making an award.
18. **CONSTRUCTION**
- A. Contractor is to supply the City with evidence of having and maintaining proper and complete insurance, specifically Workman's Compensation Insurance in accordance with the laws of the State of Arkansas, Public Liability and Property Damage. All premiums and cost shall be paid by the Contractor. In no way will the City be responsible in case of accident.
 - B. When noted, a Certified check or bid bond in the amount of 5% of total bid shall accompany bid.
 - C. A Performance Bond equaling the total amount of any bid exceeding \$35,000.00 must be provided for any contract for the repair, alteration or erection of any public building, public structure or public improvement (pursuant to Arkansas Code Annotated Section 22-9-203).
19. **LIQUIDATED DAMAGES** - Liquidated damages shall be assessed beginning on the first day following the maximum delivery or completion time entered on this bid form and/or provided for by the plans and specifications.
20. **AMBIGUITY IN BID** - Any ambiguity in any bid as the result of omission, error, lack of clarity or non-compliance by the bidder with specifications, instructions, and all conditions of bidding shall be construed in the light most favorable to the City.
21. The bid number should be stated on the face of the sealed bid envelope. If it is not, the envelope will have to be opened to identify.
22. Whenever a bid is sought seeking a source of supply for a specified period of time for materials and services, the quantities of usage shown are estimated ONLY. No guarantee or warranty is given or implied by the participants as to the total amount that may or may not be purchased from any resulting contracts. These quantities are for the bidders information ONLY and will be used for tabulation and presentation of bid and the participant reserves the right to increase or decrease quantities as required.
23. The City of North Little Rock reserves the right to reject any and all bids, to accept in whole or in part, to waive any informalities in bids received, to accept bids on materials or equipment with variations from specifications in those cases where efficiency of operation will not be impaired, and unless otherwise specified by the bidder, to accept any item in the bid. If unit prices and extensions thereof do not coincide, the City of North Little Rock may accept the bid for the lesser amount whether reflected by the extension or by the correct multiple of the unit price.
24. Additional information or bid forms may be obtained from:
COMMERCE DEPARTMENT, 120 Main Street, P.O. Box 5757, North Little Rock, Arkansas 72119 (501)975-8881
www.nlr.ar.gov

Bidding documents must be submitted on or before the bid's opening date and time. Unless noted, bids must be sealed and mailed or delivered to:

**Mary Beth Bowman
Director of Commerce
120 Main Street (P.O. Box 5757)
North Little Rock, AR 72119**

INVITATION FOR BID
Special Operations Rope Rescue Equipment
City of North Little Rock Fire Department

1.0 PURPOSE

The intent of this Invitation For Bid is to secure, on a competitive basis, Special Operations Rope Rescue Equipment for the North Little Rock Fire Department.

2.0 COMPETITION INTENDED

It is the City of North Little Rock's (hereinafter referred to as the "City") intent that this Invitation for Bid (IFB) permit competition. If your company's equipment does not meet the exact specifications, then bid on the closest equipment to the specifications outlined in the Bid Specifications section, but state the changes in the specifications in your bid. The equipment you bid must be compatible to our existing equipment.

3.0 INSTRUCTIONS TO BIDDERS

3.1 Submission of Bids

Before submitting a bid, read the ENTIRE solicitation. Failure to read any part of this solicitation will not relieve a bidder of the obligations. The Bidder is responsible for being familiar with all conditions, instructions, and documents governing this project and bid. Failure to make such investigation and preparations shall not excuse the Vendor from performance of the duties and obligations imposed under the terms of this bid. Pricing must be submitted on Invitation For Bid on Bid Sheet only. Include other information, as requested or required. On the front of the envelope when submitting a bid, include Bid number and project title: **Special Operations Rope Rescue Equipment – Bid Number 19- 3625** . Bids must be received by the Commerce Department BEFORE the hour specified on the opening date. Bids may be either mailed or hand delivered to:

Commerce Department
City of North Little Rock
Attn: Mary Beth Bowman
120 Main Street
North Little Rock, AR 72114

The City is not responsible for delays from the US Post Office or any other courier. *Faxed and emailed bids will not be accepted.*

3.2 Questions and Inquiries

Questions and inquiries must be in writing from any and all bidders. The City is the sole point of contact for this solicitation unless otherwise instructed herein. Unauthorized contact with other City staff regarding the IFB may result in the disqualification of the bidder. Inquiries pertaining to the Invitation for Bid must give the IFB number, title and acceptance date. Material questions will be answered in writing with an Addendum provided, however, no questions will be taken after 10:00 a.m. on Tuesday, November 4, 2019. It is the responsibility of all bidders to ensure that they have received all Addendums. Addendums can be

downloaded from www.nlr.ar.gov. (Click on Government, Commerce and Current Bids and Summaries.)

Contact the following person for questions regarding the bid specifications:

Beau Buford
Assistant Fire Chief
bbuford@nlr.ar.gov

3.3 Firm Pricing for City Acceptance

Bid price must be firm for the City's acceptance for a minimum of sixty (60) days from bid opening date. See Bid Sheet Attachment "A".

3.4 Authority to Bind Firm in Contract

Bids MUST give full firm name and address of bidder. Failure to manually sign bid may disqualify it. Person signing bid should show TITLE or AUTHORITY TO BIND THE FIRM IN AN AGREEMENT. Firm name and authorized signature must appear on cover page of bid.

3.5 Late Bids

LATE bids will not be OPENED.

3.6 Basis for Award

The award(s) will be made to the lowest responsive, qualified and responsible bidder(s) based upon the prices and meeting the specifications in each Category.

- a) The City reserves the right to cancel invitations for bids or requests for proposals without penalty when it is in the best interest of the City. Notice of cancellation shall be addressed on the City's website under current Bids.
- b) The City reserves the right to reject any and all bids, to waive any minor informality or irregularity in any bid, to negotiate changes and/or modifications with the lowest responsible bidder and to award the bid to bidder deemed to be the most advantageous to the City. Bidders shall be required to comply with all applicable federal, state and local laws, including those relating to employment of labor without discrimination on the basis of age, race, color, handicap, sex, national origin or religious creed.
- c) Any bid not conforming to the specifications or requirements set forth in the bid request may be rejected.
- d) Bids may also be rejected if they are made by a bidder that is deemed un-responsible due to a lack of qualifications, capacity, skill, character, experience, reliability, financial stability or quality of services, supplies, materials, equipment or labor.
- e) The City may accept one or more bids depending on the bids by category or by item. If the City believes an item or items in one category is unreasonable, the City may award that bid item(s) to another vendor.
- f) Bidders may bid on one or more items for consideration, but must bid on every item listed under the main item number to be considered. (For

example, if you bid on Category B, Item #5, then you must bid on all the items listed under Item #5.)

3.7 Negotiation with the Lowest Responsible Bidder

Unless all bids are cancelled or rejected, the City reserves the right to negotiate with the lowest responsive, qualified, responsible bidder in each category to obtain a Contract price within the funds available whenever such low bid exceeds the available funds. Negotiations with the low bidder may include both modifications of the low price and the specifications/scope of work to be performed.

3.8 Debarment

By submitting a bid, the bidder is certifying that bidder is not currently debarred by the City, or in a procurement involving federal funds, by the Federal Government.

3.9 W-9 Form Required

Each bidder shall submit a completed W-9 form with their bid.

3.10 Voluntary On-Site Visit

All bidders are invited to attend a voluntary on-site visit at the location of the Fire Department at: 723 Maple Street, North Little Rock, AR. **The on-site date and time is: Wednesday, October 30, 2019 at 10:00 a.m.** The purpose of the site visit is to go into more detail about the specifications on all the items as well as show you some of their existing equipment for the capability requirement.

4.0 BID SPECIFICATIONS

CATEGORY A. PERSONAL PROTECTIVE EQUIPMENT

Rope Rescue Harnesses

Item #1 NFPA Class 3 Atom Rescue Harness - Quantity (10)

Must have a minimum of (2) steel metal oversized belay loops;
Must have (1) rated steel dorsal belay loop;
Must have cobra quick connect buckles located on both thigh straps and on the chest strap;
Must have at least (2) steel side belays; and,
Must have at least (2) flexible gear loops.

Item #2 NFPA 1983 Rope Rescue Helmet with Swift Water Capability - Quantity (10)

Must be a Team Wendy Exfil Search and Rescue Backcountry Swift Water and Rope Rescue rated helmet;
Must have reinforced glass polycarbonate designed to accommodate handle lights and cameras;
Must have a sport style under the chin retention system;
Must have a Fidlock magnetic buckle for one-handed operation;

Must have a Boa Fit System for precise fit adjustment and single-handed quick release;
and,
Must be RED in color.

Item #3 Rope Rescue Gloves – Quantity (10)

Must include 4 Large, 4 extra-large, and 2 extra, extra large;

Ref. Ringers Gloves #355-12 or equivalent.

Palm must be double thick with DuPont Kevlar or equivalent;

Finger glove must be reinforced; composed of either spandex or synthetic leather;

Must have pre-curved ergonomic shape with anti-vibration gel padding; and,

Must have Kevlar stitching or equivalent.

CATEGORY B. MISCELLANEOUS ROPE RESCUE EQUIPMENT

Item #1 Rope Rescue Descent Device - Quantity (12)

Must be CMC Clutch Decent Control Device to be compatible with existing NLRFD equipment;

Must be compatible with 11mm rope; and,

Must be NFPA G-rated.

Item #2 Rope Rescue Ascent Device - Quantity (10)

Must be an NFPA Rated Petzl Handled Ascender to match existing NLRFD equipment;

Must be compatible with 8 through 13 mm rope; and,

Must be right-handed compatible.

Item #3 Rope Rescue Carabineer's - Quantity (100)

Dimensions: Omega 7/16 steel screw-lock offset D (NFPA Compliant);

Must be G-Rated; and,

Must have a minimum of 10,000 lb. MBS.

Item #4 Rope Rescue Pulleys – Quantity (10)

Can be either NFPA G Rated CMC Rescue single prussic minded pulley **or** Rock Exotica 1.5 Single Sheave Prussik Minding Pulley;

Must be lightweight and capable for use in mountain, swift-water and high angle rescues;

Must have sealed ball bearings with high efficiency and aluminum side plates for rope protection;

Must have an exaggerated low-profile stainless steel axle assembly; and,

Must be designed for a lifeline up to ½ inch (13mm) in diameter.

Item #5 NFPA Rated Rescue Prussik Cord – Quantity (300 feet)

Can be CMC, PMI or equivalent type cordage;

Must be 8mm;

Must be on a 300 foot roll or (3) 100-meter spools;

Must be **green** in color (may have a **blue tracer**);

Must be abrasion-resistant;
Must be constructed of torque free nylon; and,
Must have a smooth texture for easy operation.

Item #6 NFPA Rated Rescue Prussik Cord-Quantity (300 feet)

Can be CMC, PMI or equivalent type cordage;
Must be 8mm;
Must be on a 300 foot roll or (3) 100-meter spools;
Must be **red** in color (may have a **yellow tracer**);
Must be abrasion-resistant;
Must be constructed of torque free nylon; and,
Must have a smooth texture for easy operation.

Item #7 NFPA Rated Rescue Prussik Cord-Quantity (100 feet)

Must be 8mm;
Must be 100 feet; and,
Must be purple in color.

Item #8 Rope Rescue Webbing - Quantity (10)

Must be tubular sewn webbing sling 6 feet in circumference;
Must be 1 inch military specification webbing for high strength and durability;
Must be rated for life-safety applications; and,
Can be blue or yellow in color.

Item #9 Singingrock Lanyard “V”/W200 - Quantity (10)

Must be this specific item in order to match existing NLRFD equipment for compatibility;
Must be tested according to EN 354 Standards for lanyards;
Must have on both ends of the rope stitched loops with reinforcement for placing carabineers;
Dimensions:
Length: 100/100cm.
Length: 40/40 inches.
Color can be white or red.

Item #10 Big Connectors - Quantity (20)

(Ref. Singingrock.com) K3536PP00 or Equivalent

Must be made of a light aluminum alloy;
Must be suitable for metal constructions, girders, and poles;
Must have double trigger automatic locking;
Must have a large gate opening;
Dimensions: Strength major axis: 28 Kilo-Newtons; and,
Gate opening: (d) 60 mm.

Item #11 Screw Links – Quantity (30)

Maillon Small Oval:

(Ref. Singingrock.com) K82008Z.

Must have screw lock capability.

Dimensions:

Must be zinc-plated steel;
Diameter must be: 8mm;
Strength Major axis: 35 Kilo-Newtons;
Strength Minor axis: 10 Kilo-Newtons; and,
Gate Opening: (d) 11mm.

Item #12 Sewn Prussic Loops – Quantity (20)

Must be 6mm;
Must be 11 inches in length; and,
Can be any color **except** red or green.

Item # 13 Tubular Webbing - Quantity (150 feet)

Must be green (may be dark green or green/ yellow mixture in color);
Must be 4,000 LBF (17.8KN) strength; and,
Must be 150 feet in length.

Item # 14 Auto Belays - Quantity (10)

Must be compatible with existing NLRFD equipment; and,
Ref. Petzl ASAP Lock Auto Belay.

Item # 15 Shock Absorbers - Quantity (10)

Must be compatible with existing NLRFD equipment;
Ref. Petzl Access; and,
Must be rated for two (2) personnel.

Item # 16 Helmet Lights - Quantity (10)

Ref: EOS II Tactical MPLS or equivalent;
Must be intrinsically safe;
Must have a UL rating of Class 1, Div. 1: Groups A, B, C, and D; and,
Must include standard nylon head strap.

Must have headlamp mounts for:
NVG Adapter plates; and,
Bracket mount for MOLLE and/or head strap.

Item # 17 Cable Grabs - Quantity (2)

Ref: 3M DBI-SALA or equivalent.
Specifications:

- Capacity: 310 lbs. (141 kg)
- Brand: DBI-SALA®

- Sub Brand: Lad-Saf™
- iSafe Equipped: Yes
- Carabineer/Hook: Zinc Plated Steel
- Label: Polyester, Stamped
- Model: 6160054
- Physical Dimensions: 4.70x1.30x6.00 (in)
- Physical Weight: 2.10 lbs (1.0kg)
- Product Styles: Mobile
- Product Types: Flexible Cable Ladder Safety
- Standards: ANSI A14.3-1992, Capital Safety Gen. Mfg. Req.
- Install Type: Temporary
- Structure Type: Straight Ladder

Item# 18 Rope Bags - Quantity (6)

Ref: ARS Breakout Rope Bag or Equivalent:

2 Must be red
 2 must be yellow
 2 must be blue

Must have a capacity for 300 feet of ½ inch rope per bag.

Must be made of 1000 Denier Cordura Nylon

- Hinged bottom end cap secured by three heavy duty “G Hooks”;
- Padded back panel for long approaches or climbing;
- Padded shoulder straps with sternal chest clip;
- Full-length zipper, Velcro, and snap closure allowing bag to be fully opened from top to bottom;
- Exterior gear daisy chains; and,
- Tow loop.

Must have Ripstop nylon top and bottom ends with drawstring closure.

Item# 19 Rope Lifeline - Quantity (10 various lengths and colors)

Ref: CNC G11 Lifeline

Must include (2) 200’ lengths in red, (2) 200’ lengths in blue and (2) 200’ lengths in yellow; and,

Must include (2) 300’ lengths in orange, (2) 300’ lengths in yellow.

Dimensions:

- Made in the USA;
- Kernmantle Construction with Polyester Sheath / Nylon Core;
- Knotability = 0.6;
- Elongation (Per UL Classification) °3.0% @ 1.35kN (300 lbf);
- 5.5% @ 2.7kN (600 lbf);
- 7.9% @ 4.4kN (1,000 lbf);
- Elongation @ 10% of MBS= 6.0%;
- Weight: 5.7 lbs. /100 ft.;
- Certification: NFPA 1983 General Use;

- 3-sigma MBS (Per UL Classification): 40kN (8,992 lbf); and,
- Diameter 11 mm (7/16").

Items # 20 Lock-Out Tag-Out Kit - Quantity (1 Kit)

Ref: Brady Valve and Electrical Lockout Toolbox Kit

Kit must include:

- (1) Adjustable Gate Valve Lockout, 1" to 6.5";
- (1) All Purpose Cable Lockout;
- (1) Clamp-on Breaker Lockout 480/600V;
- (1) Lockout Box;
- (1) Plug Valve Lockout, up to 1-3/8" stem diameter;
- (1) Plug Valve Lockout, up to 7/8" stem dia.;
- (1) Small Ball Valve Lockout, 0.5" to 2.5";
- (2) Clamp-on Breaker Lockouts 120/277V;
- (2) Universal Multi-pole Breaker Lockout;
- (3) Group Lockout Hasps 1";
- (3) Heavy Duty Lockout Tags w/ Nylon Cable Ties; and,
- (3) Keyed-Alike 1.5" Safety Red Padlocks.

Item # 21 Rock Exotica Omni Block 2.0 Single Pulley Prussik Minding - Quantity (6)

Dimensions:

- Part # P53;
- Rope Size: .5" (13mm);
- Weight: 12.3oz (348gm);
- WLL: 8kN; and,
- Certification: CE.

Item # 22 Rock Exotica Omni Block 2.0 Double Pulley Prussik Minding - Quantity (6)

Dimensions:

- Part #.P53 D;
- Rope Size: .5" (13mm);
- Weight: 20.9oz (591gm);
- WLL: 8kN; and,
- Certification: CE.

BID SHEET

Attachment "A"

PRICES MUST INCLUDE SHIPPING COSTS AND SALES TAX

CATEGORY A. PERSONAL PROTECTIVE EQUIPMENT	
Rope Rescue Harnesses	
Item #1 NFPA Class 3 Atom Rescue Harness - Quantity (10)	
Must have a minimum of (2) steel metal oversized belay loops;	
Must have (1) rated steel dorsal belay loop;	
Must have cobra quick connect buckles located on both thigh straps and on the chest strap;	
Must have at least (2) steel side belays; and,	
Must have at least (2) flexible gear loops.	
TOTAL PRICE FOR ITEM A #1	
Item #2 NFPA 1983 Rope Rescue Helmet with Swift Water Capability - Quantity (10)	
Must be a Team Wendy Exfil Search and Rescue Backcountry Swift Water and Rope Rescue rated helmet;	
Must have reinforced glass polycarbonate designed to accommodate handle lights and cameras;	
Must have a sport style under the chin retention system;	
Must have a Fidlock magnetic buckle for one-handed operation;	
Must have a Boa Fit System for precise fit adjustment and single-handed quick release; and,	
Must be RED in color.	
TOTAL PRICE FOR ITEM A #2	
Item #3 Rope Rescue Gloves – Quantity (10)	
Must include 4 Large, 4 extra-large, and 2 extra, extra large;	
Ref. Ringers Gloves #355-12 or equivalent;	
Palm must be double thick with DuPont Kevlar or equivalent;	
Finger glove must be reinforced; composed of either spandex or synthetic leather;	
Must have pre-curved ergonomic shape with anti-vibration gel padding; and,	
Must have Kevlar stitching or equivalent.	
TOTAL PRICE FOR ITEM A #3	

CATEGORY B. MISCELLANEOUS ROPE RESCUE EQUIPMENT

Item #1 Rope Rescue Descent Device - Quantity (12)

Must be CMC Clutch Decent Control Device to be compatible with existing NLRFD equipment;
Must be compatible with 11mm rope; and,
Must be NFPA G-rated.

TOTAL PRICE FOR ITEM B #1

Item #2 Rope Rescue Ascent Device - Quantity (10)

Must be an NFPA Rated Petzl Handled Ascender to match existing NLRFD equipment;
Must be compatible with 8 through 13 mm rope; and,
Must be right-handed compatible.

TOTAL PRICE FOR ITEM B #2

Item #3 Rope Rescue Carabineer's - Quantity (100)

Dimensions: Omega 7/16 steel screw-lock offset D (NFPA Compliant);
Must be G-Rated; and,
Must have a minimum of 10,000 lb. MBS.

TOTAL PRICE FOR ITEM B #3

Item #4 Rope Rescue Pulleys – Quantity (10)

Can be either NFPA G Rated CMC Rescue single prussic minded pulley or Rock Exotica 1.5 Single Sheave Prussik Minding Pulley;
Must be lightweight and capable for use in mountain, swift-water and high angle rescues;
Must have sealed ball bearings with high efficiency and aluminum side plates for rope protection;
Must have an exaggerated low-profile stainless steel axle assembly; and,
Must be designed for a lifeline up to ½ inch (13mm) in diameter.

TOTAL PRICE FOR ITEM B #4

Item #5 NFPA Rated Rescue Prussik Cord – Quantity (300 feet)	
Can be CMC, PMI or equivalent type cordage;	
Must be 8mm;	
Must be on a 300 foot roll or (3) 100-meter spools;	
Must be green in color (may have a blue tracer);	
Must be abrasion-resistant;	
Must be constructed of torque free nylon; and,	
Must have a smooth texture for easy operation.	
TOTAL PRICE FOR ITEM B #5	
Item #6 NFPA Rated Rescue Prussik Cord-Quantity (300 feet)	
Can be CMC, PMI or equivalent type cordage;	
Must be 8mm;	
Must be on a 300 foot roll or (3) 100-meter spools;	
Must be red in color (may have a yellow tracer);	
Must be abrasion-resistant;	
Must be constructed of torque free nylon; and,	
Must have a smooth texture for easy operation.	
TOTAL PRICE FOR ITEM B #6	
Item #7 NFPA Rated Rescue Prussik Cord-Quantity (100 feet)	
Must be 8mm;	
Must be 100 feet; and,	
Must be purple in color.	
TOTAL PRICE FOR ITEM B #7	
Item #8 Rope Rescue Webbing - Quantity (10)	
Must be tubular sewn webbing sling 6 feet in circumference;	
Must be 1 inch military specification webbing for high strength and durability;	
Must be rated for life-safety applications; and,	
Can be blue or yellow in color.	
TOTAL PRICE FOR ITEM B #8	

Item #9 Singingrock Lanyard “V”/W200 - Quantity (10)	
Must be this specific item in order to match existing NLRFD equipment for compatibility;	
Must be tested according to EN 354 Standards for lanyards;	
Must have on both ends of the rope stitched loops with reinforcement for placing carabineers;	
Dimensions:	
Length: 100/100cm.	
Length: 40/40 inches.	
Color can be white or red.	
TOTAL PRICE FOR ITEM B #9	
Item #10 Big Connectors - Quantity (20)	
(Ref. Singingrock.com) K3536PP00 or Equivalent	
Must be made of a light aluminum alloy;	
Must be suitable for metal constructions, girders, and poles;	
Must have double trigger automatic locking;	
Must have a large gate opening;	
Dimensions: Strength major axis: 28 Kila-Newtons; and,	
Gate opening: (d) 60 mm.	
TOTAL PRICE FOR ITEM B #10	
Item #11 Screw Links – Quantity (30)	
Maillon Small Oval:	
(Ref. Singingrock.com) K82008Z.	
Must have screw lock capability.	
Dimensions:	
Must be zinc-plated steel;	
Diameter must be: 8mm;	
Strength Major axis: 35 Kila-Newtons;	
Strength Minor axis: 10 Kila-Newtons; and,	
Gate Opening: (d) 11mm.	
TOTAL PRICE FOR ITEM B #11	

Item #12 Sewn Prussic Loops – Quantity (20)	
Must be 6mm;	
Must be 11 inches in length; and,	
Can be any color except red or green.	
TOTAL PRICE FOR ITEM B #12	
Item # 13 Tubular Webbing - Quantity (150 feet)	
Must be green (may be dark green or green/ yellow mixture in color);	
Must be 4,000 LBF (17.8KN) strength; and,	
Must be 150 feet in length.	
TOTAL PRICE FOR ITEM B #13	
Item # 14 Auto Belays - Quantity (10)	
Must be compatible with existing NLRFD equipment; and,	
Ref. Petzl ASAP Lock Auto Belay.	
TOTAL PRICE FOR ITEM B #14	
Item # 15 Shock Absorbers - Quantity (10)	
Must be compatible with existing NLRFD equipment;	
Ref. Petzl Access; and,	
Must be rated for two (2) personnel.	
TOTAL PRICE FOR ITEM B #15	

Item # 16 Helmet Lights - Quantity (10)	
Ref: EOS II Tactical MPLS or equivalent;	
Must be intrinsically safe;	
Must have a UL rating of Class 1, Div. 1: Groups A, B, C, and D; and,	
Must include standard nylon head strap.	
Must have headlamp mounts for:	
NVG Adapter plates; and,	
Bracket mount for MOLLE and/or head strap.	
TOTAL PRICE FOR ITEM B #16	

Item # 17 Cable Grabs - Quantity (2)	
Ref: 3M DBI-SALA or equivalent.	
Specifications:	
•Capacity: 310 lbs. (141 kg)	
•Brand: DBI-SALA®	
•Sub Brand: Lad-Saf™	
•iSafe Equipped: Yes	
•Carabineer/Hook: Zinc Plated Steel	
•Label: Polyester, Stamped	
•Model: 6160054	
•Physical Dimensions: 4.70x1.30x6.00 (in)	
•Physical Weight: 2.10 lbs (1.0kg)	
•Product Styles: Mobile	
•Product Types: Flexible Cable Ladder Safety	
•Standards: ANSI A14.3-1992, Capital Safety Gen. Mfg. Req.	
•Install Type: Temporary	
•Structure Type: Straight Ladder	
TOTAL PRICE FOR ITEM B #17	
Item# 18 Rope Bags - Quantity (6)	
Ref: ARS Breakout Rope Bag or Equivalent:	
2 Must be red	
2 must be yellow	
2 must be blue	
Must have a capacity for 300 feet of ½ inch rope per bag.	
Must be made of 1000 Denier Cordura Nylon	
<ul style="list-style-type: none"> • Hinged bottom end cap secured by three heavy duty “G Hooks”; • Padded back panel for long approaches or climbing; • Padded shoulder straps with sternal chest clip; • Full-length zipper, Velcro, and snap closure allowing bag to be fully opened from top to bottom; • Exterior gear daisy chains; and, • Tow loop. 	
Must have Ripstop nylon top and bottom ends with drawstring closure.	
TOTAL PRICE FOR ITEM B #18	

Item# 19 Rope Lifeline - Quantity (10 various lengths and colors)	
Ref: CNC G11 Lifeline	
Must include (2) 200' lengths in red, (2) 200' lengths in blue and (2) 200' lengths in yellow; and, Must include (2) 300' lengths in orange, (2) 300' lengths in yellow.	
Dimensions:	
<ul style="list-style-type: none"> • Made in the USA; • Kernmantle Construction with Polyester Sheath / Nylon Core; • Knotability = 0.6; • Elongation (Per UL Classification) \leq3.0% @ 1.35kN (300 lbf); • 5.5% @ 2.7kN (600 lbf); • 7.9% @ 4.4kN (1,000 lbf); • Elongation @ 10% of MBS= 6.0%; • Weight: 5.7 lbs. /100 ft.; • Certification: NFPA 1983 General Use; • 3-sigma MBS (Per UL Classification): 40kN (8,992 lbf); and, • Diameter 11 mm (7/16"). 	
TOTAL PRICE FOR ITEM B #19	
Items # 20 Lock-Out Tag-Out Kit - Quantity (1 Kit)	
Ref: Brady Valve and Electrical Lockout Toolbox Kit	
Kit must include:	
(1) Adjustable Gate Valve Lockout, 1" to 6.5";	
(1) All Purpose Cable Lockout;	
(1) Clamp-on Breaker Lockout 480/600V;	
(1) Lockout Box;	
(1) Plug Valve Lockout, up to 1-3/8" stem diameter;	
(1) Plug Valve Lockout, up to 7/8" stem dia.;	
(1) Small Ball Valve Lockout, 0.5" to 2.5";	
(2) Clamp-on Breaker Lockouts 120/277V;	
(2) Universal Multi-pole Breaker Lockout;	
(3) Group Lockout Hasps 1";	
(3) Heavy Duty Lockout Tags w/ Nylon Cable Ties; and,	
(3) Keyed-Alike 1.5" Safety Red Padlocks.	
TOTAL PRICE FOR ITEM B #20	

Item # 21 Rock Exotica Omni Block 2.0 Single Pulley Prussik Minding - Quantity (6)	
Dimensions:	
<ul style="list-style-type: none"> • Part # P53; • Rope Size: .5" (13mm); • Weight: 12.3oz (348gm); • WLL: 8kN; and, • Certification: CE. 	
TOTAL PRICE FOR ITEM B #21	
Item # 22 Rock Exotica Omni Block 2.0 Double Pulley Prussik Minding - Quantity (6)	
Dimensions:	
<ul style="list-style-type: none"> • Part #.P53 D; • Rope Size: .5" (13mm); • Weight: 20.9oz (591gm); • WLL: 8kN; and, • Certification: CE. 	
TOTAL PRICE FOR ITEM B #22	