

**DEPARTMENTAL INPUT**  
**CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION**

☒ New      ☐ OTR      ☐ Sole Source      ☐ Bid Waiver  
☐ Re-Bid      ☐ Other

Previous Contract/Project No.

**9285-0/18**

LIVING WAGE APPLIES: ☐ YES ☒ NO

Requisition No./Project No.: **FB-00970**

TERM OF  
CONTRACT

**Five Years**

Requisition /Project Title: **Bridge Crane and Hoist Preventative Maintenance**

Description: The purpose of this solicitation is to establish a contract to purchase full service preventive maintenance for bridge cranes and hoists for Miami-Dade County.

Issuing Department: **ID**

Contact  
Person:

**Jessica Tyrrell**

Phone:

**305-375-4029**

Estimate Cost: **\$ 3,324,000**

Funding Source:

**Various – Proprietary, Fire District Funds,  
Internal Services Funds**

**ANALYSIS**

Commodity Codes:

**929-47**

**929-33**

Contract/Project History of previous purchases three (3) years  
Check here ☐ if this is a new contract/purchase with no previous history.

**EXISTING**

**2<sup>ND</sup> YEAR**

**3<sup>RD</sup> YEAR**

**Contractor:**

Sunshine Hoist & Steel  
Erectors

**Small Business Enterprise:**

**Contract Value:**

\$3,416,400

**Comments:**

Continued on another page (s): ☐ Yes ☒ No

**RECOMMENDATIONS**

**SBE**

Set-aside

Sub-contractor goal

Bid preference

Selection factor

Basis of  
recommendation:

Signed: Jessica Tyrrell

Date sent to SBD:

**6/20/18**

Date returned to PMS:

**SECTION 2**  
**SPECIAL TERMS AND CONDITIONS**

**2.1 PURPOSE**

The purpose of this solicitation is to establish a contract to purchase full service preventive maintenance for bridge cranes and hoists for Miami-Dade County.

**2.2 TERM OF CONTRACT**

This contract shall commence on the first calendar day of the month succeeding approval of the contract by the Board of County Commissioners, or designee, unless otherwise stipulated in the Blanket Purchase Order issued by the Internal Services Department, Procurement Management Division. The contract shall expire on the last day of the five (5) year term.

**2.3 METHOD OF AWARD**

Award of this contract will be made to the lowest priced responsive, responsible Bidder in the aggregate that meets the qualifications listed below. In order to be considered for award, Bidders must submit an offer on all items listed in the solicitation.

**Qualifications**

1. Bidder(s) shall provide the contact information of a designated representative to provide the County with support. Bidder(s) shall provide the representative's name, phone number, and email address.
2. Bidder(s) shall submit three (3) current references on the reference's company letterhead, signed to demonstrate that the Bidder is regularly engaged in the business of providing preventative maintenance, parts, and repair services for bridge cranes and hoists. The County shall be able to ascertain from these references to its satisfaction that the Bidder has sufficient experience and expertise providing preventative maintenance, parts, and repair services for bridge cranes and hoists.

If the Successful Bidder fails to perform in accordance with the terms and conditions of the contract, the Successful Bidder may be deemed in default of the contract. If the Successful Bidder defaults, the County shall have the right to negotiate with the next responsive, responsible Bidder.

Bidders shall provide all of the specified information, documents and attachments listed above with their Submittal as proof of compliance with the requirements of this Solicitation. However, the County may, at its sole discretion and in its best interest, allow Bidders to complete, supplement or supply the required documents throughout the evaluation period.

**2.4 PRICES**

The prices resulting from this solicitation, shall remain fixed and firm for the term of the contract.

**2.5 COMPLIANCE / REGULATIONS / SAFETY**

**a. Legal Requirement for Pollution Control**

It is the intent of these specifications to comply with the Miami-Dade County Pollution Control Ordinance as stated in Chapter 24 of the Miami-Dade Code. This ordinance is made a part of these specifications by reference and may be obtained, if necessary, by the Bidder through Regulatory and Economic Resources, 33 SW 2nd Avenue, Miami, Florida 33130, Telephone (305) 372-6789.

b. Accident Prevention, Barricades, and Safety

Precautions shall be exercised at all times for the protection of persons and property. All Bidders performing services under this contract shall conform to all relevant Occupational Safety and Health Administration (OSHA), Environmental Protection Agency (EPA), the National Institute of Occupational Safety Hazards (NIOSH), the American National Standards Institute (ANSI), the National Fire Protection Association (NFPA), the Crane Manufacturers Association of America, Inc. (CMAA), National Electric Code (NEC), American Society of Mechanical Engineers (ASME), State and County regulations during the course of such effort. Any fines levied by the above mentioned authorities for failure to comply with these requirements shall be borne solely by the Successful Bidder. Barricades shall be provided by the Successful Bidder when work is performed in areas traversed by persons, or when deemed necessary by the County.

Successful Bidder agrees to perform all work in a manner that meets all accepted standards for safe practice, and to safely maintain and operate all the equipment used in the performance of this contract. The County, reserves the right to issue immediate restrain or cease and desist to a Successful Bidder, when unsafe or harmful acts are observed or reported while performing under the contract. Hazardous conditions shall be immediately reported to the County.

c. Equipment

The Successful Bidder's equipment shall be in proper working conditions, free from leaking fluids. All equipment shall include all safety devices, properly installed and maintained. If the County determines that the equipment is deficient of safety devices, the Successful Bidder will be notified immediately. The Successful Bidder shall remove the deficient equipment from services and replace it with working equipment within three (3) days of notification from the County. All equipment must comply with applicable local, state and federal rules and regulations.

Failure to comply with any of these requirements may result in immediate suspension of work.

**2.6 ADDITION AND/OR DELETION OF BRIDGE CRANES AND HOISTS AND/OR ADDITIONAL SERVICES**

It is hereby agreed and understood that bridge cranes and/or hoists may be added or deleted at the discretion of the County. If a price for a new bridge crane and/or hoist is required, the Successful Bidder shall be invited to submit price quotes. If the quote is determined to be fair and reasonable, then the additional cranes and/or hoists will be awarded to the Successful Bidder.

If a crane and/or hoist no longer requires service during the contract term, the County may cancel service for that crane and/or hoist upon written notice to the Successful Bidder. If service is canceled in the middle of a contract year, the annual amount for that crane and/or hoist shall be prorated and payment shall only be issued for the period of time the crane and/or hoist was covered under the agreement.

While the County has listed all major services within this solicitation which are utilized by County departments in conjunction with their operations, there may be similar services that may be purchased by the County during the term of this contract. Under these circumstances, a County representative will contact the Successful Bidder to obtain a price quote for the similar items. If the quote is determined to be fair and reasonable, then the additional services may be awarded to the Successful Bidder. The County reserves the right to obtain price quotes for the additional services through a separate solicitation at the County's sole discretion.

**2.7 BUSINESS HOURS OF OPERATIONS**

The Successful Bidder shall schedule all work required in advance to ensure a Site Manager or designated representative is present upon arrival and departure from County facilities. All work shall be done within the business hours as stipulated below:

Internal Services Department (ISD) - Fleet Management  
Shop 3 Main: Monday through Friday, 6:00AM until 11:00PM  
Shop 3C: Monday through Friday, 7:00AM until 5:30PM

ISD - Facilities & Utilities Management Division (FUMD)  
Monday through Friday, 7:00AM until 3:30PM

Miami-Dade Fire  
Fire Shop South: Monday through Friday, 6:00AM until 11:00PM; Saturday, 7:00AM until 3:30PM  
Fire Shop North: Monday through Friday, 7:00AM until 5:30PM

Miami Dade Transit  
Monday through Friday, 6:00AM until 5:00PM

Public Works Waste Management  
Monday through Friday, 6:00AM until 4:00PM

Miami-Dade Water and Sewer  
Monday through Friday, 8:00AM until 4:30PM

## **2.8 EMERGENCY SERVICES**

An emergency is an unexpected situation or sudden occurrence involving the bridge crane and/or hoist of a serious nature that demands immediate action and response by the Successful Bidder.

The Successful Bidder shall provide 24 hours, 7 days a week emergency service to the County under the contract. Emergency service response time (defined as the time from notification by the County to arrival on-site) shall be within three (3) hours after notification by the County.

## **2.9 LABOR, MATERIALS, AND EQUIPMENT SHALL BE SUPPLIED BY THE SUCCESSFUL BIDDER**

The Successful Bidder shall furnish all labor, supervision, material, parts, and equipment necessary to perform services under this contract. When not specifically identified in the technical specifications, such materials and equipment shall be of a suitable type and grade for the purpose. County owned equipment such as but not limited to boom lifts, caged lifts, and/or forklifts will not be provided for Successful Bidder's use.

## **2.10 DEFICIENCIES IN WORK TO BE CORRECTED BY THE SUCCESSFUL BIDDER**

The Successful Bidder shall promptly correct all apparent and latent deficiencies and/or defects in work, and/or any work that fails to conform to the contract documents regardless of project completion status. All corrections shall be made within three (3) calendar days after such rejected defects, deficiencies, and/or non-conformances are reported to the Successful Bidder by the County's project administrator; unless deemed to be an emergency, in the sole discretion of the County, which shall follow timeframes specified in 2.8, Emergency Services. The Successful Bidder shall bear all costs of correcting such rejected work. If the Successful Bidder fails to correct the work within the period specified, the County may, at its discretion, notify the Successful Bidder, in writing, that the Successful Bidder is subject to contractual default provisions if the corrections are not completed to the satisfaction of the County within three (3) calendar days of receipt of the notice. If the Successful Bidder fails to correct the work within the period specified in the notice, the County shall place the Successful Bidder in default, obtain the services of another bidder to correct the deficiencies, and charge the Successful bidder for these costs; either through a deduction from the final payment owed to the Successful Bidder or through invoicing.

## **2.11 PAST INSPECTION REPORTS**

While a site visit is not scheduled to review current conditions of the equipment to be serviced, a sampling of past inspection reports are provided as Attachment 1.

**2.12 LIVING WAGE**

If the total contract value, per year, exceeds \$100,000, the provisions of Section 2-8.9 (Living Wages) of the Code of Miami-Dade County as amended by Ordinance, shall apply.

**2.13 PAYMENTS**

In addition to the terms and conditions stated in Section 1.2.H - Prompt Payment Terms and 1.35 - Invoices, the County will pay the Successful Bidder's total annual price in 12 equal monthly installments.

**2.14 FAA SPECIAL PROVISIONS**

a) Compliance with Nondiscrimination Requirements

During the performance of this contract, the Successful Bidder, for itself, its assignees, and successors in interest (hereinafter referred to as the "Successful Bidder") agrees as follows:

- (1) **Compliance with Regulations:** The Successful Bidder (hereinafter includes consultants) will comply with the Title VI List of Pertinent Nondiscrimination Acts And Authorities, as they may be amended from time to time, which are herein incorporated by reference and made a part of this contract.
- (2) **Non-discrimination:** The Successful Bidder, with regard to the work performed by it during the contract, will not discriminate on the grounds of race, color, or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The Successful Bidder will not participate directly or indirectly in the discrimination prohibited by the Nondiscrimination Acts and Authorities, including employment practices when the contract covers any activity, project, or program set forth in Appendix B of 49 CFR part 21.
- (3) **Solicitations for Subcontracts, Including Procurements of Materials and Equipment:** In all solicitations, either by competitive bidding, or negotiation made by the Successful Bidder for work to be performed under a subcontract, including procurements of materials, or leases of equipment, each potential subcontractor or supplier will be notified by the Successful Bidder of the Successful Bidder's obligations under this contract and the Nondiscrimination Acts And Authorities on the grounds of race, color, or national origin.
- (4) **Information and Reports:** The Successful Bidder will provide all information and reports required by the Acts, the Regulations, and directives issued pursuant thereto and will permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the sponsor or the Federal Aviation Administration to be pertinent to ascertain compliance with such Nondiscrimination Acts And Authorities and instructions. Where any information required of a Successful Bidder is in the exclusive possession of another who fails or refuses to furnish the information, the Successful Bidder will so certify to the sponsor or the Federal Aviation Administration, as appropriate, and will set forth what efforts it has made to obtain the information.
- (5) **Sanctions for Noncompliance:** In the event of a Successful Bidder's noncompliance with the Nondiscrimination provisions of this contract, the sponsor will impose such contract sanctions as it or the Federal Aviation Administration may determine to be appropriate, including, but not limited to:

- (a) Withholding payments to the Successful Bidder under the contract until the Successful Bidder complies; **and/or**
  - (b) Cancelling, terminating, or suspending a contract, in whole or in part.
- (6) **Incorporation of Provisions:** The Successful Bidder will include the provisions of paragraphs one through six in every subcontract, including procurements of materials and leases of equipment, Required Contract Provisions Issued on January 29, 2016 Page 19 AIP Grants and Obligated Sponsors Airports (ARP) unless exempt by the Acts, the Regulations and directives issued pursuant thereto. The Successful Bidder will take action with respect to any subcontract or procurement as the sponsor or the Federal.

Aviation Administration may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, that if the Successful Bidder becomes involved in, or is threatened with litigation by a subcontractor, or supplier because of such direction, the Successful Bidder may request the sponsor to enter into any litigation to protect the interests of the sponsor. In addition, the Successful Bidder may request the United States to enter into the litigation to protect the interests of the United States.

- (7) During the performance of this contract, the Successful Bidder, for itself, its assignees, and successors in interest agrees to comply with the following nondiscrimination statutes and authorities; including but not limited to:
- Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d et seq., 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin);
  - 49 CFR part 21 (Non-discrimination In Federally-Assisted Programs of The Department of Transportation—Effectuation of Title VI of The Civil Rights Act of 1964);
  - The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);
  - Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 et seq.), as amended, (prohibits discrimination on the basis of disability); and 49 CFR part 27;
  - The Age Discrimination Act of 1975, as amended, (42 U.S.C. § 6101 et seq.), (prohibits discrimination on the basis of age);
  - Airport and Airway Improvement Act of 1982, (49 USC § 471, Section 47123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex);
  - The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms “programs or activities” to include all of the programs or activities of the Federal-aid recipients, subrecipients and contractors, whether such programs or activities are Federally funded or not);
  - Titles II and III of the Americans with Disabilities Act of 1990, which prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131 – 12189) as implemented by Department of Transportation regulations at 49 CFR parts 37 and 38;
  - The Federal Aviation Administration’s Non-discrimination statute (49 U.S.C. § 47123 (prohibits discrimination on the basis of race, color, national origin, and sex);
  - Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which ensures non-discrimination against minority populations by discouraging programs, policies, and activities with

disproportionately high and adverse human health or environmental effects on minority and low-income populations;

- Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of limited English proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure that LEP persons have meaningful access to your programs (70 Fed. Reg. at 74087 to 74100);
- Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 U.S.C. 1681 et seq).

- b) All contracts and subcontracts that result from this solicitation incorporate by reference the provisions of 29 CFR part 201, the Federal Fair Labor Standards Act (FLSA), with the same force and effect as if given in full text. The FLSA sets minimum wage, overtime pay, recordkeeping, and child labor standards for full and part time workers.

The Successful Bidder has full responsibility to monitor compliance to the referenced statute or regulation. The Successful Bidder must address any claims or disputes that arise from this requirement directly with the U.S. Department of Labor – Wage and Hour Division

All contracts and subcontracts that result from this solicitation incorporate by reference the requirements of 29 CFR Part 1910 with the same force and effect as if given in full text. Successful Bidder must provide a work environment that is free from recognized hazards that may cause death or serious physical harm to the employee. The Successful Bidder retains full responsibility to monitor its compliance and their subcontractor's compliance with the applicable requirements of the Occupational Safety and Health Act of 1970 (20 CFR Part 1910). Successful Bidder must address any claims or disputes that pertain to a referenced requirement directly with the U.S. Department of Labor – Occupational Safety and Health Administration.

### **SECTION 3**

#### **SCOPE OF WORK**

##### **3.1 SCOPE OF WORK**

The purpose of this solicitation is to establish a contract to purchase full service preventative maintenance for cranes and hoist equipment for Miami-Dade County. Bridge cranes and hoist types include, but are not limited to, over-head and gantry cranes, semi-gantry, cantilever gantry, wall cranes, storage bridge cranes, and others having the same fundamental characteristics.

##### **3.2 GOODS AND SERVICES TO BE PROVIDED**

The Successful Bidder shall provide:

###### ***PREVENTATIVE MAINTENANCE (PM) SERVICES***

The PM shall be inclusive of maintenance, inspection, testing, parts/equipment and labor. The Successful Bidder shall perform PM in accordance with the original equipment manufacturer's recommendations; secure the safety of the users of the equipment and of employees in the surrounding areas; furnish materials necessary to perform PM, adjustments, inspections, and testing; document and advise the County's Site Manager and/or designated representative in writing when immediate repair is needed to protect staff and prevent further damage to the bridge crane and hoist.

###### ***EXPECTED TIME FOR PM OF CRANES/HOISTS***

The Successful Bidder shall perform PM on each of the bridge crane/hoist generally within the same business day that the equipment was scheduled for service. If a crane takes four (4) hours to perform PM, it is expected to operate the same day, unless a repair is needed that is brought to the County's Site Manager's attention, and approved.

###### ***PM CHECK SCHEDULE***

The PM schedule shall be submitted to each site manager for approval. The Successful Bidder shall follow the approved PM schedule.

###### ***INSPECTION REPORTS***

A bi-annual inspection required under these specifications shall be performed on all bridge cranes and hoist set forth in this solicitation. Within fifteen (15) days following work performed, a written report diagnosing all deficiencies shall be submitted to the County's Site Manager of each location covering but not limited to: condition of equipment before services/repairs; maintenance performed at time of visit; and upcoming repairs.

###### ***CHECKLIST FOR PREVENTIVE MAINTENANCE AND INSPECTION***

The Successful Bidder shall provide preventive maintenance and inspection checklist in accordance with the bridge crane/hoist manufacturer's recommendation. The checklist shall be inclusive but not limited to the following: hook, air system, chains, brakes, wirings, drum and sheaves, limit switches, controls, power bar, housing, supporting structure, lifting cable, and lubrication.

###### ***SERVICE RECEIPTS***

The Successful Bidder shall submit to the County's Site Manager, a copy of the Successful Bidder mechanic's service receipt indicating nature of all repairs and adjustments performed in addition to the preventive maintenance work. This receipt shall consist of the date and time, nature of call, number of hours required to correct the problem, and list of parts used to complete the repair. These services receipts shall be signed by the County's Site Manager or designated representative at the time the work is performed.

###### ***BRIDGE CRANE AND/OR HOIST INSPECTION REQUIREMENTS***



The following tasks shall be performed at each bi-annual PM service. An inspection sticker will be affixed and visibly seen on the bridge crane and/or hoist. The inspection sticker will reflect the date the bridge crane and/or hoist was inspected in a clear and legible manner. All deficiencies such as those listed below shall be carefully examined and a determination shall be made as to whether they constitute a safety hazard:

- All functional operating mechanisms formal adjustments interfering with proper operation.
- Deterioration or leakage in lines, tanks, mal adjustment valves, drain pumps, and other parts of air or hydraulic systems.
- Hooks with deformation or cracks. Replace as indicated.
- Hoist chains, including end connections, for excessive wear, twist, distorted links interfering with proper function, or stretch beyond manufacturer's recommendations.
- All functional operating mechanisms for excessive wear of components.
- Rope reeving for noncompliance with manufacturer's recommendations.
- Deformed, cracked, or corroded parts, including runway, bracing and other steel components.
- Loose bolts or rivets, or welds.
- Cracked or worn sheaves and drums.
- Worn, cracked or distorted parts such as pins, bearings, shafts, gears, rollers, locking and clamping devices.
- Excessive wear on brake system parts, linings, pawls, ratchets, and runway stops.
- Load, wind, and other indicators over their full range, for any significant inaccuracies.
- Gasoline, diesel, electric, or other power plants for improper performance or noncompliance with applicable safety requirements.
- Excessive wear of chain drive sprockets and excessive chain stretch.
- Electrical apparatus, for signs of pitting or any deterioration of controller contractors, limit switches and pushbutton stations.

#### *ROPE INSPECTION REQUIREMENTS*

A thorough inspection of all ropes shall be made and a full written, dated and signed report of rope condition shall be submitted within fifteen (15) days following the inspection performed. Any deterioration, resulting in appreciable loss of original strength, such as described below, shall be carefully noted and determination made as to whether further use of the rope would constitute a safety hazard:

- Reduction of rope diameter below nominal diameter due to loss of core support internal or external corrosion, or wear of outside wires.
- A number of broken outside wires and the degree of distribution or concentration of such broken wires.
- Worn outside wires.
- Corroded or broken wires at end connections.
- Corroded, cracked, bent, worn, or improperly applied end connections.
- Severe kinking, crushing, cutting, or un-stranding.

#### *MAINTENANCE PROCEDURES*

The maintenance procedures shall be based on the crane manufacturer's recommendation and in accordance with the following:

- The crane to be repaired or serviced shall be run to a location where it will cause the least interference with other cranes and operation in the area.
- All controllers shall be at the off position.
- The main or emergency switch shall be open and locked in the open position. Follow lockout/tag out procedures.
- Warning or "out of order" signs shall be placed on the crane and on the floor beneath or on the hook where visible from the floor.

- Where other cranes are in operation on the same runway, rail stops or other suitable means shall be provided to prevent interference with the idle crane.
- Where temporary protective rail stops are not available, or practical, signman should be placed at a visual vantage point for observing the approach of an active crane and warning its operator when reaching the limit of safe distance from the idle crane.

#### **MAINTENANCE SERVICES**

Maintenance Services shall include the following:

- **BRIDGE (if existing)**  
Check and add oil to the gear case; lubricate line shaft bearings; check wheel wear; lubricate wheel gears and bearings; check bridge power conductors; check and adjust control operations.
- **CAB (if existing)**  
Check function of master switches, and other operating devices; check condition of fire extinguisher; check and tighten all bolts.
- **HOIST**  
Adjust holding brakes; check and add oil to gear case; lubricate upper sheaves; inspect rope drum or chain gear; lubricate wire rope or load chain; lubricate bottom block assembly; inspect hook and latch; check and adjust control operation; test and adjust limit switches.
- **TROLLEY**  
Adjust brakes; check and add oil to gear cases; check condition of wheel wear; lubricate wheel gears and bearings; check and adjust trolley collectors; check and adjust control operation; check and tighten all bolts.
- **MISCELLANEOUS**  
Check and adjust runway power conductors; inspect pushbutton station functions and condition; provide general housekeeping type of cleaning; perform non-destructive test of hooks using dye-penetrant on an annual basis; drain, clean and fill all gear cases on an annual basis; install new collector shoes when necessary.

#### **TESTING**

Testing Services shall include the following:

- **OPERATIONAL**  
All cranes/hoists shall be tested to insure compliance with manufacturer's recommendation to include hoisting and lowering, trolley travel, bridge travel, limit switches, locking and safety devices.
- **TRIP TEST SETTING**  
The trip setting of hoist limit switches shall be determined by tests with an empty hook traveling in increasing speeds up to the maximum speed. The actuating mechanism of the limit switch shall be located so that it will trip the switch, under all conditions, in sufficient time to prevent contact of the hook or hook block with any part of the trolley.
- **HOIST LIMIT SWITCH**  
The upper limit switch of each hoist shall be tried out under no load. Extreme care shall be exercised: the block shall be "inched" into the limit or run in at slow speed. If the switch does not operate

properly, adjust or replace. The hoist limit switch which controls the upper limit of travel of the load block shall never be used as an operating control.

*PARTS, LUBRICANTS, AND REPAIRS*

- Any unsafe conditions discovered during preventive maintenance shall be corrected before operation of the bridge crane/hoist is resumed. Repairs shall be completed to ensure correct functioning of components
- Repair or replacement of parts shall be completed promptly for safe operation.
- Only parts designed for the purpose they are being used, and warranted as new, may be used in the repair of the bridge crane/hoist.
- Makeshift repairs or temporary set-ups will not be allowed. The Successful Bidder shall be responsible and held accountable to adjust and repair all bridge cranes and/or hoist in accordance with the bridge crane/hoist manufacturer's recommendations.
- The lubricants used shall comply with the specifications for lubricants recommended by the equipment manufacturer for the particular device to be lubricated. Lubricants shall conform to manufacturer's recommendation and shall be stored in proper containers.

**ATTACHMENT 1 – PAST INSPECTION REPORTS**

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**SECTION 4**  
**BID SUBMITTAL**

<b>QUALIFICATION CRITERIA TO BE COMPLETED BY ALL BIDDERS</b>	
See Section 2.3 to ensure that your firm's responses and attachments comply with Solicitation requirements.	
Reference	Bidder Requirements
2.3.1.	<p>Bidder(s) shall provide the contact information of a designated representative to provide the County with support. Bidder(s) shall provide the representative's name, phone number, and email address.</p> <p>Representative Name: _____</p> <p>Phone Number: _____</p> <p>E-mail address: _____</p>
2.3.2.	<p>Bidder(s) shall submit three (3) current references on the reference's company letterhead, signed to demonstrate that the Bidder is regularly engaged in the business of providing preventative maintenance, parts, and repair services for bridge cranes and hoists. The County shall be able to ascertain from these references to its satisfaction that the Bidder has sufficient experience and expertise providing preventative maintenance, parts, and repair services for bridge cranes and hoists.</p> <p><input type="checkbox"/> <b>Three (3) Letters of Reference attached.</b></p>

**SECTION 4**  
**PRICING**

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