

# INVITATION TO BID (ITB) NUMBER

**2018-1100-3814**

**RETURN THIS BID TO THE ISSUING OFFICE AT:**



Alaska Department of Fish and Game  
Division of Administrative Services  
Procurement Office  
PO Box 115526  
1255 West 8<sup>th</sup> St  
Juneau, AK 99801

**THIS IS NOT AN ORDER**

**DATE ITB ISSUED:** 9/21/2017

**ITB TITLE:** R/V Kestrel Shipyard Services

**SEALED BIDS MUST BE SUBMITTED TO THE ABOVE ADDRESS AND MUST BE TIME AND DATE STAMPED BY THE PURCHASING SECTION PRIOR TO 1:30 PM ON 10/11/2017, AT WHICH TIME THEY WILL BE PUBLICLY OPENED.**

**DELIVERY DATE:** November 2017

**IMPORTANT NOTICE:** If you received this solicitation from the State's "Online Public Notice" web site, you must register with the Procurement Officer listed on this document to receive notification of subsequent amendments. Failure to contact the Procurement Officer may result in the rejection of your offer.

**BIDDER'S NOTICE:** By signature on this form, the bidder certifies that:

- (1) **The bidder has a valid Alaska business license, or will obtain one prior to award of any contract resulting from this ITB.** If the bidder possesses a valid Alaska business license, the license number must be written below or one of the following forms of evidence must be submitted with the bid:
- a canceled check for the business license fee;
  - a copy of the business license application with a receipt date stamp from the State's business license office;
  - a receipt from the State's business license office for the license fee;
  - a copy of the bidder's valid business license;
  - a sworn notarized affidavit that the bidder has applied and paid for a business license;
- (2) the price(s) submitted was arrived at independently and without collusion and that the bidder is complying with:
- the laws of the State of Alaska;
  - the applicable portion of the Federal Civil Rights Act of 1964;
  - the Equal Employment Opportunity Act and the regulations issued thereunder by the State and Federal Government; and
  - all terms and conditions set out in this Invitation to Bid (ITB).

If a bidder fails to comply with (1) at the time designated in the ITB for opening the state will disallow the Alaska Bidder Preference. If a bidder fails to comply with (2) of this paragraph, the state may reject the bid, terminate the contract, or consider the contractor in default. Bids must be also submitted under the name as appearing on the bidder's current Alaska business license in order to receive the Alaska Bidder Preference.

Dave Mitchell

Procurement Specialist III

(907) 465-4131 P

(907) 465-6181 F

dave.mitchell@alaska.gov

COMPANY SUBMITTING BID

AUTHORIZED SIGNATURE

PRINTED NAME

DATE

ALASKA BUSINESS LICENSE  
NUMBER

FEDERAL TAX ID NUMBER

TELEPHONE NUMBER

\*DOES YOUR BUSINESS QUALIFY FOR THE  
ALASKA BIDDER PREFERENCE?

[ ] YES [ ] NO

\*DOES YOUR BUSINESS QUALIFY FOR THE  
ALASKA VETERAN PREFERENCE?

[ ] YES [ ] NO

\*SEE ITB FOR EXPLANATION OF CRITERIA  
TO QUALIFY

E-MAIL ADDRESS

**INSTRUCTIONS TO BIDDERS:**

**1. INVITATION TO BID (ITB) REVIEW:** Bidders shall carefully review this ITB for defects and questionable or objectionable material. Bidders' comments concerning defects and questionable or objectionable material in the ITB must be made in writing and received by the purchasing authority at least ten (10) days before the bid opening date. This will allow time for an amendment to be issued if one is required. It will also help prevent the opening of a defective bid, upon which award cannot be made, and the resultant exposure of bidders' prices. Bidders' original comments should be sent to the purchasing authority listed on the front of this ITB.

**2. BID FORMS:** Bidders shall use this and attached forms in submitting bids. A photocopied bid may be submitted.

**3. SUBMITTING BIDS:** Envelopes containing bids must be sealed, marked, and addressed as shown in the example below. Do not put the ITB number and opening date on the envelope of a request for bid information. Envelopes with ITB numbers annotated on the outside will not be opened until the scheduled date and time.

Bidder's Return Address

Alaska Department of Fish and Game  
Division of Administrative Services  
Procurement Office  
PO Box 115526  
1255 West 8<sup>th</sup> St  
Juneau, AK 99801

ITB No.: 2018-1100-3814

Opening Date: 10/11/2017

**ELECTRONIC BID SUBMISSION:** Bids may be emailed to [dfg.contracting@alaska.gov](mailto:dfg.contracting@alaska.gov), no later than the date and time listed on page one of this ITB as the deadline for receipt of bids, and must contain the ITB number in the subject line of the email. Emailed bids must be submitted as an attachment in PDF format. The entire bid, including all amendments, must be received no later than the deadline for receipt of bids. It is the bidder's responsibility to contact the issuing office at (907)465-4131 to confirm that the entire bid has been received. Failure to follow the above instructions may result in the bid being found non-responsive and rejected.

**4. PRICES:** The bidder shall state prices in the units of issue on this ITB. Prices quoted for commodities must be in U.S. funds and include applicable federal duty, brokerage fees, packaging, and transportation cost to the FOB point so that upon transfer of title the commodity can be utilized without further cost. Prices quoted for services must be quoted in U.S. funds and include applicable federal duty, brokerage fee, packaging, and transportation cost so that the services can be provided without further cost. Prices quoted in bids must be exclusive of federal, state, and local taxes. If the bidder believes that certain taxes are payable by the State, the bidder may list such taxes separately, directly below the bid price for the affected item. The State is exempt from Federal Excise Tax except the following:

- Coal - Internal Revenue Code of 1986 (IRC), Section 4121 - on the purchase of coal;
- "Gas Guzzler" - IRC, Section 4064 - on the purchase of low m.p.g. automobiles, except that police and other emergency type vehicles are not subject to the tax;
- Air Cargo - IRC, Section 4271 - on the purchase of property transportation services by air;
- Air Passenger - IRC, Section 4261 - on the purchase of passenger transportation services by air carriers.
- Leaking Underground Storage Tank Trust Fund Tax (LUST) - IRC, Section 4081 - on the purchase of Aviation gasoline, Diesel Fuel, Gasoline, and Kerosene.

**5. VENDOR TAX ID NUMBER:** If goods or services procured through this ITB are of a type that is required to be included on a Miscellaneous Tax Statement, as described in the Internal Revenue Code, a valid tax identification number must be provided to the State of Alaska before payment will be made.

**6. FILING A PROTEST:** A bidder may protest the award of a contract or the proposed award of a contract for supplies, services, or professional services. The protest must be filed in writing and include the following information: (1) the name, address, and telephone number of the protester; (2) the signature of the protester or the protester's representative; (3) identification of the contracting agency and the solicitation or contract at issue; (4) a detailed statement of the legal and factual grounds of the protest, including copies of relevant documents; and (5) the form of relief requested. Protests will be treated in accordance with Alaska Statutes (AS) 36.30.560-36.30.610.

**CONDITIONS:**

- 1. AUTHORITY:** This ITB is written in accordance with AS 36.30 and 2 AAC 12.
- 2. COMPLIANCE:** In the performance of a contract that results from this ITB, the contractor must comply with all applicable federal, state, and borough regulations, codes, and laws; and be liable for all required insurance, licenses, permits and bonds; and pay all applicable federal, state, and borough taxes.
- 3. SUITABLE MATERIALS, ETC.:** Unless otherwise specified, all materials, supplies or equipment offered by a bidder shall be new, unused, and of the latest edition, version, model or crop and of recent manufacture.
- 4. SPECIFICATIONS:** Unless otherwise specified in the ITB, product brand names or model numbers specified in this ITB are examples of the type and quality of product required, and are not statements of preference. If the specifications describing an item conflict with a brand name or model number describing the item, the specifications govern. Reference to brand name or number does not preclude an offer of a comparable or better product, if full specifications and descriptive literature are provided for the product. Failure to provide such specifications and descriptive literature may be cause for rejection of the offer.
- 5. FIRM OFFER:** For the purpose of award, offers made in accordance with this ITB must be good and firm for a period of ninety (90) days from the date of bid opening.
- 6. EXTENSION OF PRICES:** In case of error in the extension of prices in the bid, the unit prices will govern; in a lot bid, the lot prices will govern.
- 7. BID PREPARATION COSTS:** The State is not liable for any costs incurred by the bidder in bid preparation.
- 8. CONSOLIDATION OF AWARDS:** Due to high administrative costs associated with processing of purchase orders, a single low bid of \$50 or less may, at the discretion of the State, be awarded to the next low bidder receiving other awards for consolidation purposes. This paragraph is not subject to the protest terms enumerated in "INSTRUCTION TO BIDDERS", "FILING A PROTEST" above.
- 9. CONTRACT FUNDING:** Bidders are advised that funds are available for the initial purchase and/or the first term of the contract. Payment and performance obligations for succeeding purchases and/or additional terms of the contract are subject to the availability and appropriation of funds.
- 10. CONFLICT OF INTEREST:** An officer or employee of the State of Alaska may not seek to acquire, be a party to, or possess a financial interest in, this contract if (1) the officer or employee is an employee of the administrative unit that supervises the award of this contract; or (2) the officer or employee has the power to take or withhold official action so as to affect the award or execution of the contract.
- 11. ASSIGNMENT(S):** Assignment of rights, duties, or payments under a contract resulting from this ITB is not permitted unless authorized in writing by the State of Alaska, Department of Administration, Division of General Services. Bids that are conditioned upon the State's approval of an assignment will be rejected as nonresponsive.
- 12. SUBCONTRACTOR(S):** Within five (5) working days of notice from the state, the apparent low bidder must submit a list of the subcontractors that will be used in the performance of the contract. The list must include the name of each subcontractor and the location of the place of business for each subcontractor and evidence of each subcontractor's valid Alaska business license.
- 13. FORCE MAJEURE** (Impossibility to perform): The contractor is not liable for the consequences of any failure to perform, or default in performing, any of its obligations under this Agreement, if that failure or default is caused by any unforeseeable Force Majeure, beyond the control of, and without the fault or negligence of, the contractor. For the purposes of this Agreement, Force Majeure will mean war (whether declared or not); revolution; invasion; insurrection; riot; civil commotion; sabotage; military or usurped power; lightning; explosion; fire; storm; drought; flood; earthquake; epidemic; quarantine; strikes; acts or restraints of governmental authorities affecting the project or directly or indirectly prohibiting or restricting the furnishing or use of materials or labor required; inability to secure materials, machinery, equipment or labor because of priority, allocation or other regulations of any governmental authorities.
- 14. LATE BIDS:** Late bids are bids received after the time and date set for receipt of the bids. Late bids will not be accepted.
- 15. CONTRACT EXTENSION:** Unless otherwise provided in this ITB, the State and the successful bidder/contractor agree: (1) that any holding over of the contract excluding any exercised renewal options, will be considered as a month-to-month extension, and all other terms and conditions shall remain in full force and effect and (2) to provide written notice to the other party of the intent to cancel such month-to-month extension at least thirty (30) days before the desired date of cancellation.
- 16. DEFAULT:** In case of default by the contractor, for any reason whatsoever, the State of Alaska may procure the goods or services from another source and hold the contractor responsible for any resulting excess cost and may seek other remedies under law or equity.
- 17. DISPUTES:** Any dispute arising out of this agreement shall be resolved under the laws of Alaska. Any appeal of an administrative order or any original action to enforce any provision of this agreement or to obtain any relief from or remedy in connection with this agreement may be brought only in the superior court for the State of Alaska.
- 18. CONSUMER ELECTRICAL PRODUCT:** AS 45.45.910 requires that "...a person may not sell, offer to sell, or otherwise transfer in the course of the person's business a consumer electrical product that is manufactured after August 14, 1990, unless the product is clearly marked as being listed by an approved third party certification program." Electrical consumer products manufactured before August 14, 1990, must either be clearly marked as being third party certified or be marked with a warning label that complies with AS 45.45.910(e). Even exempted electrical products must be marked with the warning label. By signature on this bid the bidder certifies that the product offered is in compliance with the law. A list of approved third party certifiers, warning labels and additional information is available from: Department of Labor and Workforce Development, Labor Standards & Safety Division, Mechanical Inspection Section, P.O. Box 107020, Anchorage, Alaska 99510-7020, (907)269-4925.
- 19. SEVERABILITY:** If any provision of the contract is declared by a court to be illegal or in conflict with any law, the validity of the remaining terms and provisions will not be affected; and, the rights and obligations of the parties will be construed and enforced as if the contract did not contain the particular provision held to be invalid.

**SPECIAL CONDITIONS:**

**1. ORDER DOCUMENTS:** Except as specifically allowed under this ITB, an ordering agency will not sign any vendor contract. The State is not bound by a vendor contract signed by a person who is not specifically authorized to sign for the State under this ITB. The State of Alaska Purchase Order, Contract Award and Delivery Order are the only order documents that may be used to place orders against the contract(s) resulting from this ITB.

**2. BILLING INSTRUCTIONS:** Invoices must be billed to the ordering agency's address shown on the individual Purchase Order, Contract Award or Delivery Order, not to the Division of General Services. The ordering agency will make payment after it receives the merchandise or service and the invoice. Questions concerning payment must be addressed to the ordering agency.

**3. CONTINUING OBLIGATION OF CONTRACTOR:** Notwithstanding the expiration date of a contract resulting from this ITB, the contractor is obligated to fulfill its responsibilities until warranty, guarantee, maintenance and parts availability requirements have completely expired.

**PREFERENCES:**

**1. ALASKA BIDDER PREFERENCE:** Award will be made to the lowest responsive and responsible bidder after an Alaska bidder preference of five percent (5%) has been applied. The preference will be given to a person who: (1) holds a current Alaska business license at the time designated in the invitation to bid for bid opening; (2) submits a bid for goods or services under the name on the Alaska business license; (3) has maintained a place of business within the state staffed by the bidder, or an employee of the bidder, for a period of six months immediately preceding the date of the bid; (4) is incorporated or qualified to do business under the laws of the state, is a sole proprietorship and the proprietor is a resident of the state, is a limited liability company organized under AS 10.50 and all members are residents of the state, or is a partnership under AS 32.06 or AS 32.11 and all partners are residents of the state; and, (5) if a joint venture, is composed entirely of ventures that qualify under (1) - (4) of this subsection. AS 36.30.170, AS 36.30.321(a) and AS 36.30.990[25]

**2. ALASKA VETERAN PREFERENCE:** If a bidder qualifies for the Alaska bidder preference under AS 36.30.321(a) and AS 36.30.990[25] and is a qualifying entity as defined in AS 36.30.321(f), they will be awarded an Alaska veteran preference of five percent (5%). The preference will be given to a (1) sole proprietorship owned by an Alaska veteran; (2) partnership under AS 32.06 or AS 32.11 if a majority of the partners are Alaska veterans; (3) limited liability company organized under AS 10.50 if a majority of the members are Alaska veterans; or (4) corporation that is wholly owned by individuals and a majority of the individuals are Alaska veterans, and may not exceed \$5,000. The bidder must also add value by actually performing, controlling, managing, and supervising the services provided, or for supplies, the bidder must have sold supplies of the general nature solicited to other state agencies, other governments, or the general public - AS 36.30.321(i).

**3. USE OF LOCAL FOREST PRODUCTS:** In a project financed by state money in which the use of timber, lumber and manufactured lumber is required, only timber, lumber and manufactured lumber products originating in this state from Alaska forests shall be used unless the use of those products has been determined to be impractical, in accordance with AS 36.15.010 and AS 36.30.322.

**4. LOCAL AGRICULTURAL AND FISHERIES PRODUCTS PREFERENCE:** When agricultural, dairy, timber, lumber, or fisheries products are purchased using state money, a seven percent (7%) preference shall be applied to the price of the products harvested in Alaska, or in the case of fisheries products, the products harvested or processed within the jurisdiction of Alaska, in accordance with AS 36.15.050.

**5. ALASKA PRODUCT PREFERENCE:** A bidder that designates the use of an Alaska Product which meets the requirements of the ITB specification and is designated as a Class I, Class II or Class III Alaska Product by the Department of Community & Economic Development shall receive a preference in the bid evaluation in accordance with AS 36.30.332 and 3 AAC 92.010.

**6. EMPLOYMENT PROGRAM PREFERENCE:** If a bidder qualifies for the Alaska bidder preference under AS 36.30.321(a) and AS 36.30.990[25], and is offering goods or services through an employment program as defined under 36.30.990(11), they will be awarded an Employment Program Preference of fifteen percent (15%) in accordance with AS 36.30.321(b).

**7. ALASKANS WITH DISABILITIES PREFERENCE:** If a bidder qualifies for the Alaska bidder preference under AS 36.30.321(a) and AS 36.30.990[25], and is a qualifying entity as defined in AS 36.30.321(d), they will be awarded an Alaskans with Disabilities Preference of ten percent (10%) in accordance with AS 36.30.321(d). A bidder may not receive both an Employment Program Preference and an Alaskans with Disabilities Preference.

**8. PREFERENCE QUALIFICATION LETTER:** Regarding preferences 6 and 7 above, the Division of Vocational Rehabilitation in the Department of Labor and Workforce Development maintains lists of Alaskan; [1] employment programs that qualify for preference, and [2] individuals who qualify for preference as Alaskan's with disabilities. In accordance with AS 36.30.321(i), in order to qualify for one of these preferences, a bidder must add value by actually performing, controlling, managing, and supervising the services provided, or for supplies, a bidder must have sold supplies of the general nature solicited to other state agencies, governments, or the general public.

As evidence of an individual's or a business' right to a certain preference, the Division of Vocational Rehabilitation will issue a certification letter. To take advantage of the preferences 6 or 7 above, an individual or business must be on the appropriate Division of Vocational Rehabilitation list at the time the bid is opened, and must attach a copy of their certification letter to their bid. The bidder's failure to provide this certification letter with their bid will cause the State to disallow the preference.

**ALASKA BUSINESS LICENSE AND OTHER REQUIRED LICENSES:** Prior to the award of a contract, a bidder must hold a valid Alaska business license. However, in order to receive the Alaska Bidder Preference and other related preferences, such as the Alaska Veteran and Alaskans with Disabilities Preference; a bidder must hold a valid Alaska business license at the time designated for bid opening. Bidders should contact the Department of Commerce, Community and Economic Development, Division of Corporations, Business, and Professional Licensing, P. O. Box 110806, Juneau, Alaska 99811-0806, for information on these licenses.

Acceptable evidence that the bidder possesses a valid Alaska business license may consist of any one of the following:

- (a) copy of an Alaska business license;
- (b) certification on the bid that the bidder has a valid Alaska business license and has included the license number in the bid (see front page);
- (c) a canceled check for the Alaska business license fee;
- (d) a copy of the Alaska business license application with a receipt stamp from the state's occupational licensing office; or
- (e) a sworn and notarized affidavit that the bidder has applied and paid for the Alaska business license.

You are not required to hold a valid Alaska business license at the time bids are opened if you possess one of the following licenses and are offering services or supplies under that specific line of business:

- fisheries business licenses issued by Alaska Department of Revenue or Alaska Department of Fish and Game,
- liquor licenses issued by Alaska Department of Revenue for alcohol sales only,
- insurance licenses issued by Alaska Department of Commerce, Community and Economic Development, Division of Insurance, or
- Mining licenses issued by Alaska Department of Revenue.

At the time designated for bid opening, all bidders must hold any other necessary applicable professional licenses required by Alaska Statute.

**ALASKA BIDDER PREFERENCE:** An Alaska Bidder Preference of five percent will be applied prior to evaluation. The preference will be given to a bidder who:

- (1) Holds a current Alaska business license at the time designated for bid opening;
- (2) Submits a proposal for goods or services under the name appearing on the bidder's current Alaska business license;
- (3) Has maintained a place of business within the state staffed by the bidder, or an employee of the bidder, for a period of six months immediately preceding the date of the bid;
- (4) Is incorporated or qualified to do business under the laws of the state, is a sole proprietorship and the proprietor is a resident of the state, is a limited liability company (LLC) organized under AS 10.50 and all members are residents of the state, or is a partnership under AS 32.06 or AS 32.11 and all partners are residents of the state; and
- (5) If a joint venture, is composed entirely of ventures that qualify under (1)-(4) of this subsection.

#### **Alaska Bidder Preference Affidavit**

In order to receive the Alaska Bidder Preference, the bid must also include a statement certifying that the bidder is eligible to receive the Alaska Bidder Preference.

If the bidder is a LLC or partnership as identified in (4) of this subsection, the affidavit must also identify each member or partner and include a statement certifying that all members or partners are residents of the state.

If the bidder is a joint venture which includes a LLC or partnership as identified in (4) of this subsection, the affidavit must also identify each member or partner of each LLC or partnership that is included in the joint venture and include a statement certifying that all of those members or partners are residents of the state.

**BIDDERS WITH DISABILITIES:** The State of Alaska complies with Title II of the Americans with Disabilities Act of 1990. Individuals with disabilities who may need auxiliary aids, services, and/or special modifications to participate in this procurement should contact the Contracting Officer one of the following numbers no later than 10 days prior to bid opening to make any necessary arrangements.

Telephone:(907) 465-4131      Fax: (907) 465-6181      TDD: (907) 465-3646

**COMPLIANCE WITH ADA:** By signature of their bid the bidder certifies that they comply with the Americans with Disabilities Act of 1990 and the regulations issued thereunder by the federal government.

Services or activities furnished to the general public on behalf of the state must be fully accessible. This is intended to ensure that agencies are in accordance with 28 CFR Part 35 Section 35.130 and that services, programs or activities furnished to the public through a contract do not subject qualified individuals with a disability to discrimination based on the disability.

**PREFERENCE QUALIFICATION:** In order to qualify for an Alaska Veterans Preference, Employment Program Preference, or Alaskans with Disabilities Preference, a bidder must add value by actually performing; controlling, managing, and supervising the services provided, or a bidder must have sold supplies of the general nature solicited to other state agencies, governments, or the general public.

**CONTRACT PERFORMANCE LOCATION:** By signature on their bid, the bidder certifies that all services provided under this contract by the contractor and all subcontractors shall be performed in the United States.

If the bidder cannot certify that all work will be performed in the United States, the bidder must contact the procurement officer in writing to request a waiver at least 10 days prior to the deadline for receipt of bids.

The request must include a detailed description of the portion of work that will be performed outside the United States, where, by whom, and the reason the waiver is necessary.

Failure to comply with these requirements may cause the state to reject the bid as non-responsive, or cancel the contract.

**HUMAN TRAFFICKING:** By signature on their bid, the bidder certifies that the bidder is not established and headquartered or incorporated and headquartered in a country recognized as Tier 3 in the most recent United States Department of State's Trafficking in Persons Report.

The most recent United States Department of State's Trafficking in Persons Report can be found at the following website:

<http://www.state.gov/g/tip/>

Failure to comply with this requirement will cause the state to reject the bid as non-responsive, or cancel the contract

**NOTICE OF INTENT TO AWARD:** After the responses to this ITB have been opened and evaluated, a tabulation of the bids will be prepared. This tabulation, called a Notice of Intent to Award, serves two purposes. It lists the name of each company or person that offered a bid and the price they bid. It also provides notice of the state's intent to award a contract(s) to the bidder(s) indicated. A copy of the Notice of Intent will be mailed to each company or person who responded to the ITB. Bidders identified as the apparent low responsive bidders are instructed not to proceed until a Purchase Order, Contract Award, Lease, or some other form of written notice is given by the contracting officer. A company or person who proceeds prior to receiving a Purchase Order, Contract Award, Lease, or some other form of written notice from the contracting officer does so without a contract and at their own risk.

**PAYMENT FOR STATE PURCHASES:** Payment for agreements under \$500,000 for the undisputed purchase of goods or services provided to a state agency, will be made within 30 days of the receipt of a proper billing or the delivery of the goods or services to the location(s) specified in the agreement, whichever is later. A late payment is subject to 1.5% interest per month on the unpaid balance. Interest will not be paid if there is a dispute or if there is an agreement that establishes a lower interest rate or precludes the charging of interest.

**SHIPPING DAMAGE:** The state will not accept or pay for damaged goods. The contractor must file all claims against the carrier(s) for damages incurred to items in transit from the point of origin to the ultimate destination. The state will provide the contractor with written notice when damaged goods are received. The state will deduct the cost of the damaged goods from the invoice prior to payment. The contractor must file all claims against the carrier(s) for reimbursement of the loss.

**INDEMNIFICATION:** The contractor shall indemnify, hold harmless, and defend the contracting agency from and against any claim of, or liability for error, omission or negligent act of the contractor under this agreement. The contractor shall not be required to indemnify the contracting agency for a claim of, or liability for, the independent negligence of the contracting agency. If there is a claim of, or liability for, the joint negligent error or omission of the contractor and the independent negligence of the Contracting agency, the indemnification and hold harmless obligation shall be apportioned on a comparative fault basis. "Contractor" and "Contracting agency", as used within this and the following article, include the employees, agents and other contractors who are directly responsible, respectively, to each. The term "independent negligence" is negligence other than in the Contracting agency's selection, administration, monitoring, or controlling of the contractor and in approving or accepting the contractor's work.

**INSURANCE:** Without limiting contractor's indemnification, it is agreed that contractor shall purchase at its own expense and maintain in force at all times during the performance of services under this agreement the following policies of insurance. Where specific limits are shown, it is understood that they shall be the minimum acceptable limits. If the contractor's policy contains higher limits, the state shall be entitled to coverage to the extent of such higher limits. Certificates of Insurance must be furnished to the contracting officer prior to beginning work and must provide for a notice of cancellation, non-renewal, or material change of conditions in accordance with policy provisions. Failure to furnish satisfactory evidence of insurance or lapse of the policy is a material breach of this contract and shall be grounds for termination of the contractor's services. All insurance policies shall comply with, and be issued by insurers licensed to transact the business of insurance under AS 21.

**Proof of insurance is required for the following:**

Workers' Compensation Insurance: The contractor shall provide and maintain, for all employees engaged in work under this contract, coverage as required by AS 23.30.045, and; where applicable, any other statutory obligations including but not limited to Federal U.S.L. & H. and Jones Act requirements. The policy must waive subrogation against the state.

Commercial General Liability Insurance: covering all business premises and operations used by the contractor in the performance of services under this agreement with minimum coverage limits of \$300,000 combined single limit per occurrence.

Commercial Automobile Liability Insurance: covering all vehicles used by the contractor in the performance of services under this agreement with minimum coverage limits of \$300,000 combined single limit per occurrence.

Failure to supply satisfactory proof of insurance within the time required will cause the state to declare the bidder non-responsible and to reject the bid.

**FIRM, UNQUALIFIED AND UNCONDITIONAL OFFER:** Bidders must provide enough information with their bid to constitute a definite, firm, unqualified and unconditional offer. To be responsive a bid must constitute a definite, firm, unqualified and unconditional offer to meet all of the material terms of the ITB. Material terms are those that could affect the price, quantity, quality, or delivery. Also included as material terms are those which are clearly identified in the ITB and which, for reasons of policy, must be complied with at risk of bid rejection for non-responsiveness.

**ALTERATIONS:** The contractor must obtain the written approval from the contracting officer prior to making any alterations to the specifications contained in this ITB. The state will not pay for alterations that are not approved in advance and in writing by the contracting officer.

**PARTS BOOKS AND MAINTENANCE MANUALS:** Parts books and maintenance manuals must be provided at the same time that the equipment is delivered. The cost of the parts books and maintenance manuals is to be included in the bid price of the equipment.

**WORKMANSHIP & MATERIALS:** All work must be performed in a thorough and workmanlike manner and in accordance with current industry practices. The contractor will be held responsible for the quality of the service, maintenance and inspections. Service, maintenance and inspections that are improperly done will be done over, by the contractor, at the contractor's risk and expense.

**METHOD OF AWARD:** Award will be made as one lot to the lowest responsive and responsible bidder. In order to be considered responsive, bidders must bid on all items.

# **ITB No. 2018-1100-3814**

## **SCOPE OF WORK**

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- C1. Replace Fuel Lines
- C2. Paint Waterline to Topside
- C3. Ultrasound Hull, Cooling Lines & Aft Fuel Lines

### **WORK ITEM BID SCHEDULE**

### **ATTACHMENTS:**

- A) Docking Plan Drawing (039-055) Allied Ship Builders LTD, Docking Plan Drawing Seaspan
- B) Shafting Arrangement Drawing (039-302).
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- F) Engine Cooling Schematic Drawing (039-202)
- F1) Through Hull Valve Schedule
- G) Fuel Oil Schematic Drawing (039-201)
- H) Engine, Gear and Shafting Arrangement Drawing (039-300)
- I) Machinery Arrangement - Plan View Drawing (921-310)
- J) Principal Particulars
- K) Photos of Vessel
- L) Vent Sounding & Filling Plan Drawing (039-208)
- M) Bilge, Ballast, and Fire Schematic (039-200)
- N) Lo Rez HLF Coupling Drawing (HFL-0600-01)
- O) Structural Section Forward (039-103) Sheet 1 of 2
- P) Structural Section Forward (039-104) Sheet 2 of 2
- Q) Structural Section Aft (039-102)
- R) Lo Rez DE/HF/HLF Coupling Outline Assembly (FC-0159 HF-37)
- S) Machinery Arrangement Drawing (039-319)



**ITB 2018-1100-3814**  
**GENERAL TERMS AND CONDITIONS**

The following specifications and Work Items, together with attached photos and drawings, are intended to enable qualified shipyards to properly bid the specified work. See the Vessel Description Section for specifications regarding the R/V Kestrel

**Work Standards**

All work is to be performed by qualified journeymen. Bidders are presumed to warrant that all work will be of sufficiently high quality to meet standards of the American Bureau of Shipping or other recognized classification societies. Owner Representative will inspect all work items for approval upon completion. The Owner Representative may, at their sole discretion, obtain ABS inspections for any Work Item(s).

**Location of Work**

The R/V Kestrel is homeported in Petersburg, Alaska. The Department has made a determination that this invitation is open to bid by any qualified shipyard located south of Petersburg. This determination has been made based on vessel capabilities, the time of year, and with crew safety being paramount.

**Bib Submittal Structures**

All quoted prices are to include materials, labor, overhead, taxes, costs for disposals, and any other costs associated with this work. All quoted prices to be made in U.S. Dollars.

Bids are to be itemized, at least to the level of one price for each Work Item, as described below. Contractor is to itemize and submit Bid Prices on the attached Work Item Bid Schedule sheet. The Owner (State of Alaska, Department of Fish and Game) estimates that there is sufficient funding to accomplish all the listed work, but reserves the right to delete any Work Item or Items should funding be insufficient for all quoted work, or at State's sole option work may be deleted for any reason.

Bids may be either Flat Rate per Work Item, or may be submitted as Not-to-Exceed figures. For each Item, bidders should specify which method is being used.

**Definite and Contingent Bid Items**

For the purpose of this Invitation-to-Bid, the Bids submitted on the attached Bid Item Schedule, shall be evaluated and selected solely on the basis of the Definite Work Items. Bidders are asked to also submit estimates for the Contingent Work Items, which will not be factored into the Bidder selection. If adequate funding is available, the Owner may, at their discretion, incorporate any or all of the Contingent Work Items into the work to be performed. The Owner anticipates the Period of Performance specified herein shall be adequate, without modification, to include both the Definite Work Items and selected Contingent Work Items.

**Security**

It is understood that the selected bidder will be responsible for any damage to the vessel, direct or collateral, that may occur pursuant to this work. Contractor shall have care, custody and control of vessel throughout the contract performance period. Vessel security shall be provided to protect vessel damage, fire and pilferage

**Force Majeure**

It is agreed that *force majeure* (an unexpected or uncontrollable event) specifically excludes rain, snow, temperatures between 20 degrees F. and 90 degrees F., and winds less than 50 knots.

**Inter-Port Differential**

For the purposes of evaluating the Bid Proposals, the Owner will consider the differences in roundtrip vessel operational costs from Juneau, Alaska to the responding Bidder's locations. This shall be factored into each Bid Proposal total amount. The Inter-Port Differential shall be calculated at \$10.54 U.S. per mile.

**Payment**

The State agrees to pay in full within 30 days of receipt of the final invoice. The Contractor agrees to provide Owner Representative two (2) copies of a Progress Review Invoice prior to the vessel's departure from the shipyard. The Progress Review Invoice shall be formatted per the outline of the Work Item Bid Schedule.

## **Pre-Bid Vessel Inspection & Owner Representative Contact**

Prospective bidders may, at their own expense, inspect the vessel at its homeport of Petersburg, Alaska, prior to the submittal of their bid. Contact as indicated below to arrange an appointment.

Owner Representative Lito Skeek, Boat Officer IV,

Alaska Department of Fish and Game

Commercial Fisheries Division-Vessels Section

16 Sing Lee Alley

Petersburg, Alaska 99833

(907) 772-3801, (907) 518-1115

Fax (907) 772-9336.

Technical questions regarding the vessel, the specific work items described herein or to arrange an inspection may be directed to Lito Skeek, Boat Officer IV, [lito.skeek@alaska.gov](mailto:lito.skeek@alaska.gov) or Erik Larson, Boat Officer III, [erik.larson@alaska.gov](mailto:erik.larson@alaska.gov), Petersburg, Alaska,

Procurement & Contracting Contact

Any questions regarding Bidding or Contracting procedures should be directed to Dave Mitchell, Procurement Specialist III, Department of Fish and Game, Juneau, Alaska at (907) 465-4131.

## **Change Orders**

Should change orders become necessary, Bidder agrees that any such order shall be in writing, signed by both parties, and that any quote for such an order shall be inclusive as above, and will include any fees for delay and disruption. No work on change orders shall commence unless approved by Owner Representative.

## **Period of Performance**

Work shall begin November 1 with completion by November 29. Twenty Nine (29) calendar days will be allowed for completion. Upon day 30, liquidated damages shall accrue at the rate of \$2,500.00 per day. In the event of the issuance of change orders, any alteration of this schedule shall be designated in the change order and approved by Owner Representative.

Specific delivery date of the vessel shall be agreed upon prior to contract signing. The State agrees to make a good faith effort to arrive prior to the agreed upon date, but shall be held harmless for delays beyond the State's control.

## **Hazardous Materials and Confined Space Work:**

It should be anticipated that due to the nature of this project there will be hazardous materials to be disposed of. The State will not be responsible for any costs associated with the collection or disposal of any hazardous materials generated by this project.

It should be anticipated that due to the nature of this project there will be work in confined spaces. The State will not be responsible for any additional cost associated with this confined space work.

## **Vessel Description**

The Research Vessel (R/V) Kestrel is all welded steel construction, with two diesel engine / two Hundested gear units turning shafts and variable pitch propellers on each end. The vessel is owned and operated by The State of Alaska and is intended to be engaged in the support of scientific research within Southeast Alaska. It is versatile and adaptable to accommodate a wide variety of deck equipment and machinery in the various configurations required to support the research.

Official Number:	811822
Vessel's Name:	R/V Kestrel
Documentation:	State of Alaska Coastal research and survey vessel
Year Built:	1990
Builder:	Allied Shipbuilders LTD, Vancouver, B.C.
Dimensions:	
Length overall	105.7
Length waterline	97'
Breadth	26'3"
Depth	7' 6"
Tonnage:	304.96 gross tons, 76.24 net tons
Area of Operation:	Southeast Alaska

## **General Specifications**

### **1. Work Scope**

The Contractor shall supply all necessary manpower, labor, supervision, expendable supplies, materials, equipment, and expertise necessary to successfully and safely perform the work defined in each of the Work Items. The Contractor's responsibility shall include mobilization, all necessary environmental and personnel safeguards, and clean up of the site (leaving the vessel in better shape than before the work). During the course of the work, the Contractor shall allow for the Owner and regulatory agencies to inspect all work, without claiming for delay or impact.

### **2. Work Schedule**

Prior to starting work on this Contract, the Contractor shall supply the Owner Representative a brief schedule showing when the Contractor intends to complete all Definite and Contingent Work Items and when the vessel shall go off and on the dock. Overtime work shall not be scheduled for Definite Work Items. The Contractor shall not ask for extra time to accomplish any of the Contingent Work Items. If the Contractor modifies this schedule for their own purpose, they shall credit the Owner for the cost of any impacts caused by the delay.

**DEFINITE WORK ITEMS**

**1. DRY-DOCKING**

**1.1 Dry-Docking**

The Contractor shall provide labor, material, and equipment, for dry-docking and un-docking the vessel to accomplish all work described herein. The Contractor is responsible for all docking, un-docking, and mooring activities. The vessel shall be docked or lifted in accordance with Ref. "A").

A dry-dock meeting shall take place prior to the vessel being dry-docked. At this time the Dockmaster will present his blocking plan and pressure calculations and describe his plan for docking the vessel including: schedule, weather, the use of engines, tugs, communications, and other relevant items. The Contractor shall notify the Owner a minimum of 48 hours prior to dry-docking / un-docking the vessel. The Contractor shall not initiate docking activities without the express permission of the Owner.

**1.2 Lay-Days**

The contractor shall provide a bid price for Lay Days which identifies both the Unit Price for each Lay Day and a bid price for the total number of estimated Lay Days and related cost. This bid item to be included in the attached work item bid schedule. Lay Days are each day the vessel is on the dock, not counting the day of the lift or the day the vessel is un-docked. Lay Days do not include Sundays or other days the Contractor does not work all crews. The cost of Lay Days shall not include the cost for Temporary Services.

**2. TEMPORARY SERVICES**

During the entire contract performance period the Contractor shall provide all labor, material, and equipment to furnish the vessel with the following temporary services.

The contractor shall provide two unit prices for Temporary Services. One price shall be for temporary services when the vessel is in the dry-dock and one price shall be for when the vessel is moored. Total price for this item shall be the total number of Lay Days times the unit price for Temporary Service in the Dry-dock, plus, total number of days moored times the Temporary Service rate for when Moored.

**2.1 Temporary Services while in Dry-Dock**

Gangway:

Provide a gangway for access from the dry-dock to the vessel's main deck with safety netting and lighting.

Electrical Power:

Provide 480 volt, three phase, 100 amp converted to 208 3 phase through boat transformer. Contractor shall assume a 40 amp continuous draw for the purpose of calculating power costs, or provide a power meter.

Telephone and Internet Service

Contractor shall provide local access telephone service tied to onboard telephone system (or via a Contractor supplied handset) while vessel is in dry-dock and/or moored. Contractor shall also provide either via hardwire or wireless; high speed internet access consisting of at least 6 mbps download speed and no less than a 250 GB data transfer cap for the duration of the contract. Internet access may either be through the Contractor's network or arranged by the contractor with a private carrier.

## 2.2 Temporary Services for Vessel while Moored

### Moorage

Provide a safe lay-berth at the Contractor's facility, throughout the contract performance period. Contractor to ensure suitable mooring lines are available and tended while the vessel is pier-side.

## 2.3 Other Services

The Contractor shall provide all necessary services to complete all items as set forth in the specifications. These services include but are not limited to: all necessary rolling stock including cranes, man-lifts, fork-lifts, trucks; all necessary staging, ventilation, and lighting; all necessary power and hand tools including expendable supplies for such tools, all necessary safety equipment and testing including maintaining safe for entry certificates, and all environmental equipment, testing, and safeguards.

## 3. POWER WASH HULL

The contractor shall provide all labor, material, and equipment to high pressure fresh water blast hull from keel to top of rub-rail (sponson) to remove marine growth and deteriorated coatings. Washing shall include the inside of the sea chest, sea chest grates and sonar tube. Utilize 4000 psi. (Minimum) water blaster and hand scraping (assume eight man hours of scraping maximum) as necessary. Provide for protection of exposed ends of stern tube, sonar tube, fathometer transducers, and other sensitive areas and disposal of all wash water and residues.

## 4. SEA CHEST, THROUGH HULL VALVES, PIPES AND STRAINERS

Contractor shall provide written report of all valves, thru-hull inspection and overhaul work done. The Contractor shall provide all labor, material, and equipment to accomplish the following:

### 4.1 Sea Chest and Sea Chest Valves

Open up and mechanically clean the two sea chests and strainer grates. Overhaul both main sea chest valves. (4" bronze S.D.N.R. angle valve) (See Reference "F" Engine Cooling Schematic Drawing (039-202) and "F1" Through Hull Valve Schedule)

### 4.2 Through Hull Valves

Inspect and service all Through Hull valves. (See Reference "F" Engine Cooling Schematic Drawing (039-202) and "F1" Through Hull Valve Schedule)

### 4.3 Bilge and Ballast Manifold Valves

Inspect and service all butterfly, globe, and angle valves on forward bilge manifold, fire pump manifold, bilge & general service pump manifold, aft ballast manifold, and aft bilge manifold. (See Reference "M" Bilge, Ballast, and Fire Schematic Drawing 039-200)(See Reference "S" Machinery Arrangement Drawing 039-319)

## 5. ZINCS

Contractor shall provide written report to representative on condition of existing zincs. The Contractor shall provide all labor, material, and equipment to replace all zincs. Contractor shall ensure that each zinc is firmly secured to the hull and that each zinc has a positive bonding connection established. All zincs shall be masked off to prevent them from being painted.

### 5.1 Install Z - 22's

Contractor shall remove 19 old zincs and install 19 new Z - 22 zincs.

### 5.2 Install Z - 19's

Contractor shall remove 4 old zincs and install 4 new Z - 19 zincs.

### 5.3 Install Z - 3's

Contractor shall remove 8 old zincs and install 8 new Z - 3 zincs.

## **6. HULL PREPARATION AND COATING**

The Contractor shall provide all labor, material, and equipment to complete preparation and painting of the vessel hull as follows:

### Owner Inspections

All sandblasted areas and other surface preparation shall be inspected and must be approved by the Owner's representative prior to application of any coating. Required thickness of coatings shall be confirmed through spot checks in the presence of the Owner Representative after each coat is applied.

### Prerequisites to Coating Application

Welds and piping system joints or connections requiring pressure or water testing or visual inspection shall not be coated until after all tests and inspections are complete and the weld, piping joint or connection has been accepted by the Owner.

Prior to the application of coatings, all surfaces shall be dry and free of foreign matter such as dirt, dust, crayon marks, grease, millscale, residual abrasive, rust, salt deposits and weld spatter.

Scuppers and drains shall be sealed or extended as required to prevent moisture or water contamination on coated surfaces during the drying period.

Under no circumstances shall a freshly blasted steel surface be left more than six (6) hours without primer. Should freshly blasted steel be left unprimed, the Contractor shall re-blast to the originally required quality, removing all traces of rust bloom.

### Correction of Damage Resulting From Paint Overspray and Grit Blasting

Any paint overspray applied to any of the aforementioned items and surfaces shall be immediately and carefully removed.

Affected spaces and surfaces shall be cleaned free of grit and residue immediately after grit blasting.

Machinery, equipment and surfaces damaged, marred or contaminated shall be promptly repaired, replaced or cleaned to pre-existing condition at the Contractor's expense.

### Requirements during Coating Application and Curing

All surfaces shall be kept dry, clean and free of rust and foreign matter at the time of application of any coating and throughout the curing period.

Coatings shall be applied under environmental conditions conforming to the manufacturer's recommendations as listed on the manufacturer's published data sheets for the coatings being applied. Coatings shall not be applied at ambient or surface temperatures less than the minimum application temperature recommended by the manufacturer for the particular coating involved. No coating shall be applied when the dew point temperature is equal to or greater than the surface temperature of the surface to be coated.

For each coat applied, the Contractor shall take reading and produce a record of the ambient, surface, and dew point temperature as measured 1) before starting the coat application, 2) upon completion of the application, and 3) for every 4 hours in between (if applicable to the coat). The Contractor shall also take wet and dry film thickness measurements during and following coating applications and maintain records that map these readings to the coated areas and indicate compliance or non-compliance with intended millages (for wet film) and required millages (for dry film).

The Contractor shall provide a copy of the temperature and wet film thickness records, including notations regarding compliance and non-compliance with requirements, to the owner's representative within 24 hours after the coating event. The Contractor shall provide a copy of the dry film thickness measurements, including notations regarding compliance and non-compliance with requirements, to the Owner and review the results with the Owner prior to application of the next coat.

Should the Contractor choose to paint hull structures or attachments which may be affected by condensation caused by the vessel being waterborne or other reason, extraordinary care shall be exercised to ensure that surfaces to be painted are thoroughly dry and remain dry throughout the coating and curing periods. Spaces shall be heated and dehumidified to levels in accordance with the paint manufacturer's preparation and application guidelines to obtain and maintain proper application and curing temperatures and prevent the onset of condensation.

A copy of the paint manufacturer's preparation and applications guidelines applicable to each coating system shall be provided to the Owner's Representative (Lito Skeek) prior to application of any coatings.

#### 6.1 KEEL TO WATERLINE, HULL ANTI-FOULANT COATING

The Contractor shall provide a fixed price for all labor, material, and equipment to prepare and paint the underwater portion of the vessel as follows, in accordance with all requirements of Section 6:

##### Surface Preparation

Surface preparation is covered under Item 3 Power Wash. The item 6.1 bid shall include all other preparation work including taping off the existing waterline. The vessels rudder bearings, shaft bearings, zincs, transducer openings and sonar tube shall be adequately protected from over spray, and inspected by the owner's representative, before painting commences. Sandsweep SSPC 7 entire hull with SP6 Sandsweep Blast.

##### Surface Coating

Apply first coat only to any bare metal, with Ameron 302 dimecoat primer at 3-4 mils dry minimum, apply next over dimecoat with Ameron 240 LT (low temp) haze gray at 5-7 mils dry minimum, apply final coat with Ameron ABC3 black at 4-5 mils dry minimum. This painting shall include the entire hull below the waterline: inside sea chests, sea chest covers, sonar tube and rudders. After completion of hull preparation and coating, Contractor shall apply Names, Draft Marks and Hailing Port, to match existing color scheme.

#### 6.2 PAINT AFT MAIN EXTERIOR DECK

The Contractor shall provide a fixed price for all labor, material, and equipment to prepare and paint (approximately 950 sq. feet) the aft main exterior deck of the vessel (See Ref. C).

##### Surface Preparation

Contractor shall adequately cover exterior main deck fittings and openings to provide protection from blast grit and weather. Cover all hydraulic hoses, vents, ports, hatches, doors, and windows. Cover both port and starboard skiff davits, all 20 steel sheaves mounted on davits, 4 hydraulic cylinders, and 4 sets of spectra lines strung through the steel sheaves. Cover deck crane, hydraulic hoses, fittings, and cylinders. All protection material shall be adequate to stop sand blast grit (not be plastic sheet) and shall be wired or bolted in place. Sandblast entire exterior main deck to SSPC SP-10, inside rails (minus top of caprails), scuppers, all deck vents (including vents located in aft port and starboard catch basins), and both port and starboard aft catch basins. Main deck consists of two goose neck vents located forward port and starboard on deck. Aft port catch basin consists of 3 Winel ball check vents with screens. Starboard aft catch basin consists of 3 Winel ball check vents with screens, crane tube, 2 thru pipes. Blow down and degrease as necessary. (See Ref. "L" Vent Sounding & Filling Plan Drawing 039-208)

##### Surface Coating

Paint entire main exterior deck with one coat of DIMECOTE 302 at 1.0 MDFT (approximately 950 sq. feet), next paint two coats of Battleship Grey Amerlock 2 gf/400 gf topcoat at 5.0 MDFT and PPG 888 Anti-Skid Additive.

#### Special Note for Work Items 7, 8, and 9

The Owner may, at their discretion and expense, contract a certified Hundested Technical Representative from Pacific Marine Equipment (PME ) (206-281-9841). If so employed, all work under Work Items 7, 8, 9, and 10 are to be done under the on-site review and inspection by the PME Technical Representative. Any problems and/or differences in opinion between the Contractor and the Technical Representative shall be presented to the Owner's Representative for resolution. Failure to comply with this paragraph of the specification will result in the termination of this contract for negligence. The Owner will coordinate with the Contractor, at the time of the Bid Award and Notice-to-Proceed, as to the schedule of these work items and whether the PME Technical Representative will be utilized on-site by the Owner.

### **7. RUDDER REMOVAL, INSPECTION AND INSTALLATION**

The Contractor shall remove rudder, inspect and clean if necessary, and re-install both of the vessel's rudders. (Ref. "H" Engine, Gear and Shafting Arrangement Drawing 039-300)

All inside diameters (IDs) of rudder bearings shall be measured. ID. All outside diameters (ODs) of rudder shaft surfaces in way of bearings shall be measured. Measurements shall occur in two directions, port/starboard and forward/aft. Bearings and shaft areas longer than 6" shall be measured in two locations at the top and bottom of contact areas.

The tiller arm IDs shall also be measured. Tiller arm, tiller arm key, and steering linkage shall be examined for excessive play.

All measurements and inspections shall be clearly written in a rudder bearing report and delivered to owner's representative.

Additional rudder work, if required, will be handled by change order.

### **8. SHAFTS REMOVAL, INSPECTION AND INSTALLATION**

The contractor shall remove both tail shafts, move them to a covered and heated shop, inspect, and re-install. Both shafts are Hundested VP7/CPG32 units 5210/11 and are 5" stainless. (See Ref. "H" Engine, Gear and Shafting Arrangement Drawing 039-300 and Ref. "B" Shafting Arrangement Drawing 039-302)

All work in this item must occur under the direct supervision of a certified Hundested technical representative, supplied by the owner, (at owner's discretion, Pacific Marine Equipment (206) 281-9841). Any problems and/or differences in opinion between the contractor and the technical representative shall be presented to the owner's representative for resolution. Failure to comply with this paragraph of the specification will result in the termination of this contract for negligence.

Tail shafts shall be removed with propeller hubs and propeller blades intact. After removal, tail shaft/propeller assemblies shall be moved to a covered and heated machine shop for inspection. During transit, shafts and hubs shall be protected from wind/rain/dirt/grit. Once tail shafts have been safely removed, install plywood covers on the forward end of the stern tubes to prevent water from entering the engine room during cleaning of the stern tubes. Power wash the inside of the stern tubes to remove mud and debris.

Contractor should be advised that the distance from the force rod to the servo rod must be recorded and witnessed, prior to disassembly. Prior to shaft removal, the shaft brake will also need to be disassembled.

MEASUREMENTS. Each tail shafts shall be placed in a lathe and checked for run out. All inside diameters (IDs) of shaft bearings shall be measured. All outside diameters (ODs) of propeller shaft surfaces in way of bearings shall be measured.



All measurements shall occur in two directions, inboard/outboard and top/bottom. Each bearings and shaft area shall be measured in two places, forward and aft in way of the contact area. After measurements are complete they shall be clearly written in a shaft bearing report and delivered to the owner's representative.

Contractor shall remove and replace each Port and Starboard Crane Mane Bar EJ 130 seals, propeller shaft EJ 133 Pneumostops (Two total). Remove and replace both Port and Starboard propeller shaft Non-Split 133 EJ wear face seals (Two total), Pneumostops, Mane Bar EJ Seals, hydraulic shaft brake calipers (Two total) - ATE 13.2541-8001.3 (contractor supplied), and wear face seals before installation. Inspect/clean saltwater cooling lines for stern tubes. Pneumostops, Mane Bar EJ Seals, and wear face seals shall be supplied by the Owner.

Tail shafts shall stay in the heated covered shop until all other propeller/shaft/bearing work is completed and they are ready to be installed into the vessel.

Contractor shall reinstall propeller shafts into vessel and re-assemble all components. Care shall be taken to not damage shaft bearings, seals and Pneumostops when shafts are reinstalled. Contractor shall verify correct alignment of forward shaft coupling to reduction gear, to owner's representative.

Vessel shall not undock, or operate, under its own power until dockside trials are complete.

Contractor shall conduct both dock and sea trials of both CPP shaft, propeller, and reduction gear systems to prove and verify that the systems are working correctly. (Trials shall occur under the supervision of the vessel's Master and the Hundested technical representative.) Sea trials will consist of a minimum of 4 hours of full speed operation during which time Contractor will monitor and record gear, bearing, seal, oil, and water temperatures. Sea trial data shall be delivered to Owner's Representative after trials. (See Ref. B).

## **9. PROPELLER HUB AND BLADE REMOVAL, INSPECTION INSTALLATION AND REPACKING**

Under the guidance of the Hundested technical representative, the Contractor shall disassemble each propeller hub. Parts shall be cleaned and laid out in a safe and clean area organized by blade and side. (See Ref. "H" Engine, Gear and Shafting Arrangement Drawing 039-300 and Ref. "B" Shafting Arrangement Drawing 039-302)

All wear areas shall be measured at the direction of the Hundested technical representative. Parts and blades shall be closed inspected for cracks and other problems. Die penetration inspection shall be used in areas of high stress. Measurements and observations shall be witnessed by the technical representative and clearly written in a propeller hub report and delivered to the owner's representative. Report shall clearly indicate the percentage of maximum of total wear and shall make a recommendation if and when parts will need to be replaced.

Additional propeller hub work, if required, will be handled by change order.

Contractor shall re-assemble the propeller hub and blades and repack each hub with about three 35 pound pails of Contractor supplied emulsifying grease through the threaded hole in the propeller hub. (Shell Alvania EP2 or equivalent to)

All work in this item must occur under the direct supervision of a certified Hundested technical representative, supplied by the owner. (Pacific Marine Equipment (206) 281-9841) Any problems and/or differences in opinion between the contractor and the technical representative shall be presented to the owner's representative for resolution. Failure to comply with this paragraph of the specification will result in the termination of this contract for negligence.

## **10. Propeller Shaft Bearing Inspection/Replacement**

The Contractor shall inspect and measure for proper clearances on each Thordon XL F21136 bearing. If necessary, remove, fabricate, and install one set of propeller shaft bearings. There are two Thordon bearings on each shaft, four bearings in a ship set. Each bearing is split in half longitudinally, so that a shaft set would consist of four bearing pieces. (See Ref. "B" Shafting Arrangement Drawing 039-302)

Thordon shall be owner supplied. Material shall be Thordon XL, F21136 to suite 171 mm OD x 133 ID x 267 mm length provided in rough molded condition. Prior to machining, Contractor must obtain written bearing tolerance data from the Thordon manufacturer and have this information approved by the Owner's Representative.

Contractor shall install bearings in accordance with manufacturer recommendations. Installation shall be witnessed by the owner's representative. After installation, the shaft bearing measurements taken as required by Section 10 shall be taken and a new written bearing clearance report provided to the Owner's Representative.

## **11. Anchor Winch Inspection/Brake Replacement**

The Contractor shall inspect anchor winch and replace brake band liner on Harrison and Robbins Manufacturing Series No. 674 horizontal type hydraulic anchor winch. Anchor winch will have 660 feet of 7/8" wire rope plus 135 feet of 7/8" chain on the drum. Drum dimensions are 14" core diameter x 36" flange diameter x 25" wide. Frame and drum are of fabricated mild steel, hot dipped galvanized. Clutch has drum that is connected to the drive by a lever operated, sliding pinion gear. Drum is capable of free-wheeling when the clutch is disengaged and brake is released. Gears are made of steel with machine cut teeth and manufactured to AGMA Class 6 standards for industrial gears. Brake is a galvanized steel brake band, self-energizing, fitted with woven non-asbestos lining. Operation via hand wheel located at rear of the winch frame. Hydraulic driven by a Char-Linn 2000 Series hydraulic motor direct coupled to a planetary gear reducer. Output shaft of reducer to drive the drum via a single stage spur gear reduction. Warping head (capstan) is 7" diameter, cast steel. Capable of being operated independently of the winch drum. Mounted on port side. Rated capacity is 1,800 lbs. at 198 ft. per minute. Winch is fitted with a hand crank operated spooling mechanism consisting of two 3.5" diameter vertical rollers suspended from a carriage driven on a stainless steel square thread shaft. Rollers to be capable of being swung clear of the cable lead when not required. Walvoil single lever, three position control valve mounted on winch and connected to motor via two 3/4", 4 wire hose assemblies. Weight is approximately 3,200 pounds, not including wire or chain.

Additional Anchor Winch work, if required, will be handled by change order.

## **12. LO REZ VIBRATION ISOLATOR INSPECTION/REBUILD**

The Owner may, at their discretion and expense, contract a certified Lo Rez Technical Representative from Lo Rez Vibration Control LTD. (604-879-2974). If so employed, all work to be done under the on-site review and inspection by the Lo Rez Representative. Any problems and/or differences in opinion between the Contractor and the Technical Representative shall be presented to the Owner's Representative for resolution. Failure to comply with this paragraph of the specification will result in the termination of this contract for negligence. The Owner will coordinate with the Contractor, at the time of the Bid Award and Notice-to-Proceed, as to the schedule of these work items and whether the Lo Rez Technical Representative will be utilized on-site by the Owner.

Contractor shall provide a written report to vessel representative on results of inspection and findings.

### **Lo Rez Vibration Isolators Rebuild**

Contractor shall provide written report to vessel representative with results on rebuilding eight (8) Lo Rez BR2-LS spring type vibration isolator mounts (4 per S.S. generator engines) for proper function, alignment, and adjustment. Deliver all 8 Lo Rez Vibration Isolators to 186 8th Avenue W, Vancouver, B.C. Canada V5Y 1N2 (604-879-2974), for reconditioning. After completing re-conditioning, isolators shall be delivered back to yard for proper installation, alignment, & adjustment (See Ref. "H" Engine, Gear and Shafting Arrangement Drawing 039-300)

Contractor shall conduct both dock and sea trials on all diesel engines to prove and verify that the Lo Rez Vibration Isolators are properly installed. Trials shall occur under the supervision of the vessel's Master and the shipyard technical representative. Sea trials will consist of normal operating conditions during which time Contractor will monitor for alignment, water temperature, and correct operation Sea trial data shall be delivered to Owner's Representative after trials.

### **13. Port & Starboard Hundested CPG 32 Gear Seal Replacement**

The Contractor shall have to disassemble, remove, and reinstall Port and Starboard Lo Rez HLF couplings in order to complete all work under work item 13 (See Ref. “N” HLF Coupling Drawing HLF-0600-01)(See Ref. “R” DE/HF/HLF Coupling Assy Drawing FC-0159 HF-37)(See Ref. “E” DE/HF/HLF BR4-LS General Arr’t Drawing I-405)(See Ref. “D” Lo Rez HLF Coupling Installation Manual)( See Photos).

Contractor shall drain approximately 35 U.S. gallons of ISO 150 Meropa gear oil, change seals, “O” rings, and gaskets on input and output shafts on both port and starboard hundested gears. Change suction filter and high pressure filter and “O” rings on both port and starboard hundested gears. Pour apporixmately 35 U.S. gallons new gear oil in gears. Seal kits, “O” rings, gaskets, filters, and new ISO 150 meropa gear oil, for both hundested gears will be owner supplied. Work shall be done when shafts are removed from vessel under work item 8.

Contractor shall conduct both dock and sea trials on port and starboard hundested gears to prove and verify seal kits, “O” rings, gaskets, and filters are properly installed. Trials shall occur under the supervision of the vessel’s Master and the shipyard technical representative. Sea trials will consist of normal operating conditions during which time Contractor will monitor for alignment, water temperature, servo pressure, clutch pressure, and correct operation. Sea trial data shall be delivered to Owner’s Representative after trials.

## **CONTINGENT WORK ITEMS**

### **C1. REPLACE FUEL LINES**

Contractor shall drain fuel from existing fuel lines and cap off all ends to prevent spillage. Remove existing fuel lines and install new ¾” stainless fuel lines with approximately 160 feet of stainless pipe and necessary stainless fittings and flex hoses between engines and stainless steel piping. Pressurize new fuel lines, bleed out any air and test with engines running. Conduct both dock and sea trials to prove and verify no leaks and that the engines are getting proper fuel flow and pressure. Welding (hot work) may be necessary, all work will be done in a confined space located in Engine Room. Care for wiring and other piping during all fuel line work shall be considered under work item C1. (See Ref. “G” Fuel Oil Schematic Drawing 039-201)(See Photos).

Contractor shall provide a written report to vessel representative on results of inspection and findings. Additional fuel line work, if required, will be handled by change order.

### **C2. PAINT WATERLINE TO TOPSIDE**

The Contractor shall provide a fixed price for all labor, material, and equipment to prepare and paint the vessel as follows, in accordance with all requirements of Section 6. The approximate area to be painted is 2500 square feet. The area included in this Work Item is the exterior hull, from the waterline up to upper rails, both port and starboard sides, and from bow to stern.

Surface Preparation: Contractor shall Sandsweep Blast SSPC7 with SP6 approximately 750 square feet (30% of all painted area). Owner Representative shall visually show contractor the 30% that will be blasted and prepared before blasting.

Final determination of surfaces to be prepared and painted shall be designed by the Owner Representative and are estimated to be as indicated below.

#### **Surface Coating**

Contractor shall prime any bare metal areas that have undergone the surface preparation work from waterline to topside with Ameron 302 dimecoat primer at 4 mils dry minimum, next prime over Ameron 302 with one coat of Cobalt Blue Ameron 235 (primer) at 4 mils dry minimum, apply next one coat of Amershield A0189, AM/S Neutral Tint 265-16-1552

(U.S. Paint Specs) or Amershield AM-T3/01, TW-0p23, PG-0p36, PB-9p4 (Canadian Paint Specs) Cobalt Blue on entire exterior hull from the waterline up to upper rails, both port and starboard sides, and from bow to stern (topcoat) (approximately 2500 square feet) at 5.0 MDFT each coat, one coat of Safety Yellow for boot stripe Amershield Yellow (topcoat) (approximately 80 square feet) at 5.0 mils dry minimum, one coat of Black Amershield on upper rails, guards, and one coat of Safety Yellow Ameron 229T (topcoat) for vessel name on bow and Safety Yellow Vinyl Decals for the vessel name and hailing port on stern at 4 mils dry minimum.

### **C3. ULTRASOUND HULL, COOLING LINES & AFT FUEL LINES**

Contractor shall ultrasound saltwater cooling lines, aft fuel lines, and hull from keel to waterline using ABS Ultra-Sound Standards. This Work item is for a Certified Ultrasound Technician to test the integrity of all internal saltwater cooling lines, aft fuel lines, and hull from keel to waterline.

At the locations selected for this examination the surface shall be prepared as follows:

Where the painted surfaces coatings are detrimental to proper testing, the area will be chipped to bare metal on the corroded side. These locations shall be surveyed both visually and with ultrasonic thickness testing from the corroded side. Disturbed areas shall be prepared and painted following completion of the ultrasonic examination per paint specification in work item 6.

The locations to be included in the ultrasonic thickness test shall include:

#### **C3.1 Hull from keel to waterline and all tail-pipe penetrations**

Contractor shall ultrasound outer hull from keel plate up to waterline including all saltwater, grey water, and black water tail-piping penetrations. Perform ultrasonic testing on the 5/16" side plating of hull, 5/16" bottom plating of hull, and 3/4" keel plate. There are fifteen (15) tail-piping penetrations located above the waterline. Port side has five 2", two 1 1/2", two 2 1/2", one 3", one 1", one 4", and one 3/4". Starboard side has two 1" tail-piping penetrations. (See Ref. "Q" Structural Sections Aft Drawing 039-102, Ref. "F" Engine Cooling Schematic Drawing 039-202, "O" Structural Sections Forward Sheet 1 of 2 Drawing 039-103, "P" Structural Sections Forward Sheet 2 of 2 Drawing 039-104)

#### **C3.2 Saltwater cooling pipes**

Contractor shall ultrasound all 90-10 copper nickel saltwater cooling lines located in engine room and inspect all fittings. From port sea chest to starboard sea chest is 4" copper nickel piping. Port and starboard auxiliaries have 2" copper nickel cooling pipes. Port and starboard main engines have 2 1/2" copper nickel cooling pipes. (See Ref. "F" Engine Cooling Schematic Drawing 039-202)

#### **C3.3 Aft fuel lines**

Contractor shall ultrasound the 2" aft fuel lines located in the air compressor room (See Ref "G" Fuel Oil Schematic Drawing 039-201) to determine the structural integrity. Access to the pipes requires the removal of four aluminum floor boards located in the compressor room. Additional fuel line work, if required, will be handled by change order.

Contractor shall provide to Owner Representative a written report of all recorded thickness data and interpretations as to saltwater and fuel piping, thru-hull piping, and overall hull integrity.

**ALASKA DEPARTMENT OF FISH AND GAME**  
**INVITATION TO BID # 2018-1100-3814**  
**WORK ITEM BID SCHEDULE**

Prices include all labor and materials in US Dollars.

<u><b>Definite Work Item</b></u>	<u><b>Description</b></u>	<u><b>Bid Price</b></u>
<b><u>1. Dry Docking</u></b>		
1.1 Dry Docking		\$ _____
1.2 Lay-Days Unit Price: \$ _____		\$ _____
<b>1. SUBTOTAL</b>		<b>\$ _____</b>
<b><u>2. Temporary Services</u></b>		
2.1 Temporary Services in Dry-Dock		\$ _____
2.2 Temporary Services Moored		\$ _____
2.3 Local Phone Service Access		\$ _____
2.4 Other Services		\$ _____
<b>2. SUBTOTAL</b>		<b>\$ _____</b>
<b><u>3. Power Wash Hull</u></b>		<b>\$ _____</b>
<b><u>4. Sea Chest, Through Hull Valves, Pipes and Strainers</u></b>		
4.1 Sea Chest and Sea Chest Valves		\$ _____
4.2 Through Hull Valves		\$ _____
<b>4. SUBTOTAL</b>		<b>\$ _____</b>
<b><u>5. Zincs</u></b>		
5.1 Install 19, Z-22's		\$ _____
5.2 Install 4, Z-19's		\$ _____
5.3 Install 6, Z-3's		\$ _____
<b>5. SUBTOTAL</b>		<b>\$ _____</b>
<b><u>6.0 Hull Preparation and Coating</u></b>		
6.1 Keel to Waterline, Hull Anti Foulant Coating		\$ _____
6.2 Paint Waterline to Topside		\$ _____
<b>6. SUBTOTAL</b>		<b>\$ _____</b>

ALASKA DEPARTMENT OF FISH AND GAME

INVITATION TO BID # 2018-1100-3814

WORK ITEM BID SCHEDULE PAGE 2

<b><u>7. Rudders Removal, Inspection and Installation</u></b>	<b>\$ _____</b>
<b><u>8. Shafts Removal, Inspection and Installation</u></b>	<b>\$ _____</b>
<b><u>9. Propeller Hub and Blade Removal, Inspection, Installation and Repacking</u></b>	<b>\$ _____</b>
<b><u>10. Propeller Shaft Bearing Inspection/Replacement</u></b>	<b>\$ _____</b>
<b><u>11. Anchor Winch Inspection/Brake Replacement</u></b>	<b>\$ _____</b>
<b><u>12. Lo Rez Vibration Isolator Inspection/Rebuild</u></b>	<b>\$ _____</b>
<b><u>13. Port and Starboard Hundested CPG32 Gear Seals Replacement</u></b>	<b>\$ _____</b>

**OPTIONAL WORK ITEMS**

<b>C1. Replace Fuel Lines</b>	<b>\$ _____</b>
<b>C2. Paint Waterline To Topside</b>	<b>\$ _____</b>
<b>C3. Ultrasound Hull, Cooling Lines &amp; Aft Fuel Lines</b>	
C3.1 Hull From Keel To Waterline & All Tail-Pipe Penetrations	<b>\$ _____</b>
C3.2 Saltwater Cooling Pipes	<b>\$ _____</b>
C3.3 Aft Fuel Lines	<b>\$ _____</b>
<b>C3. SUBTOTAL</b>	<b>\$ _____</b>
<b>TOTAL FOR ALL CONTINGENT WORK ITEMS (excluding taxes)</b>	<b>\$ _____</b>

**TOTAL BID - Definite + Contingent work items**      **\$ \_\_\_\_\_**

**ALASKA DEPARTMENT OF FISH AND GAME**

**INVITATION TO BID # 2018-1100-3814**

**WORK ITEM BID SCHEDULE PAGE 3**

**Required Bidder Contact Information**

See Below for Contractor Address and Contact Information to be supplied:

**Ordering Address:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Contact** \_\_\_\_\_

**Phone** \_\_\_\_\_

**Cellular** \_\_\_\_\_

**Email** \_\_\_\_\_

**Fax** \_\_\_\_\_

Award will be made to the lowest responsive and responsible bidder based on the total of all Work Items and the inter-port differential (described in General Terms and Conditions).

**Invitation to Bid # 2018-1100-3814**  
**Alaska Bidder Preference Affidavit**

**By signing below you certify that your business meets the following requirements and is eligible to receive the 5% Alaska Bidders Preference:**

The preference will be given to a bidder who:

- (1) holds a current Alaska business license at the time designated for bid opening;
- (2) submits a proposal for goods or services under the name appearing on the bidder's current Alaska business license;
- (3) has maintained a place of business within the state staffed by the bidder, or an employee of the bidder, for a period of six months immediately preceding the date of the bid;
- (4) is incorporated or qualified to do business under the laws of the state, is a sole proprietorship and the proprietor is a resident of the state, is a limited liability company (LLC) organized under AS 10.50 and all members are residents of the state, or is a partnership under AS 32.06 or AS 32.11 and all partners are residents of the state; and
- (5) if a joint venture, is composed entirely of ventures that qualify under (1)-(4) of this subsection.

If your business is a LLC or Partnership are all members or partners Alaska Residents? \_\_\_\_\_

My business meets the criteria to receive the Alaska Bidders Preference:

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Signed

Date

**Please attach a list of all members or partners and their primary addresses.**