



City of Homer

www.cityofhomer-ak.gov

Port and Harbor

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Memorandum 14-006

TO: MAYOR BETH WYTHER & HOMER CITY COUNCIL
CC: WALT WREDE, CITY MANAGER
FROM: BRYAN HAWKINS, PORT DIRECTOR/HARBORMASTER *BH*
DATE: JANUARY 6, 2014
SUBJECT: RESULTS OF THE PORT AND HARBOR FISH DOCK 5, 6, & 8 CRANE REFURBISHMENT SOLICITATION TO BID

Port and Harbor solicited to eight companies capable of refurbishing the Port and Harbor's Fish Dock cranes. The procurement process was followed and staff hosted a mandatory, pre-bid meeting and optional site visit. The bid closed on Friday, December 27 at 4:30 pm. Two complete bids were received:

1. North Pacific Crane Company located in Seattle, WA for \$111,840.00 per crane
2. Oil & Gas Supply Co. located in Kenai, AK for \$82,625.00 per crane

These bid estimates depict a rough order of magnitude (worst case scenario). More will be learned on the actual condition of the cranes once the units have been disassembled. At the onset of this project, our goal was to be able to refurbish three cranes, budgeting \$180,000 in the Port and Harbor Reserves for the project. However, bid estimates came in higher than expected and we will likely only be able to fund the refurbishment of two cranes. The severity of each crane's condition will determine whether we will be able to proceed with refurbishing two cranes or three.

After careful review of both bids, staff conducted a facilities inspection of Oil & Gas Supply's shop in Kenai. As this company is also the lowest bidder, staff is in favor of awarding the bid to Oil & Gas Supply Co., 43150 Kenai Spur Hwy., Kenai, Alaska 99611 in the amount of \$82,625.00 per crane.

Recommendation

Staff recommends awarding the contract for the refurbishment of two to three pedestal cranes on the Homer Fish Dock to Oil & Gas Supply Co. in an amount not to exceed \$82,625.00 per crane.

Fiscal Note: Port and Harbor Reserves 456-380 "Fish Dock Cranes"

Attached: Solicitation to Bid Requirements for the Refurbishment of Three Pedestal Cranes on the Homer Fish Dock
~~Winning Bid from Oil & Gas Supply Co.~~
2013 Year-End Ice & Crane Report

SOLICITATION TO BID REQUIREMENTS
By the City of Homer, Alaska
For the Refurbishment of Three Pedestal Cranes on the Homer Fish Dock

City of Homer's Port and Harbor is soliciting for bids from qualified firms to rebuild/refurbish Cranes #5, #6 and #8, three 29 year old pedestal mounted cranes located on the City of Homer's Fish Dock. **The cranes will be removed from the Fish Dock, have a complete overhaul on all components performed, be re-coated to factory specifications, and re-installed on the Fish Dock for service.** The City reserves the right to accept or reject any or all bids, to waive irregularities or informalities in the bids, and to award a contract to the respondent that best meets the selection criteria and the City's needs. Also, the City shall not be liable for any costs incurred by any Bidder in response to this request, or for any work done prior to the issuance of a Notice to Proceed.

General: The City's goals for this project are to improve the overall safety and reliability of Cranes #5, #6 and #8, and lower energy/operation overhead costs. It is important to note that these cranes are in good working condition; we expect that proposed work will ensure continued service long into the future. Bidders are encouraged to consider all advances in related technologies in their proposals and will provide a detailed plan and timeline for the removal and reinstallation of each individual crane. Each crane will be treated as a standalone agreement in that they will be removed from the dock one at a time and returned to public use before the next crane is removed from the dock. The purpose of this requirement is to ensure the Fish Dock never has less than seven cranes available for customer use, and that quality work is maintained throughout the entire project.

Scope of Work: Remove Cranes #5, #6, and #8 to a climate-controlled environment, performing a complete tear-down in which each component and moving part will be inspected for wear, rebuilt or replaced. A parts list (Attachment A) will be referenced to ensure all components are inspected. The crane and pedestal will be sandblasted to white metal by a qualified professional coating specialist and re-coated to withstand the harsh marine environment on the Homer Spit. Be sure to include the types of coatings and process for application in the bids. Bidder will then re-install the completely refurbished crane and pedestal back on the Fish Dock. For planning purposes, it is important that the bidder includes a timeline for each of these steps. The City's preferred timeline would have all work completed within the 2014 year. Staff will work to keep Fish Dock customers informed and to minimize the impact of having one less crane available for use.

Functional Requirements

- Materials used shall be corrosion-resistant as to withstand the harsh weather and marine environment on the Homer Spit.
- Cranes currently operate on petroleum based hydraulic fluid. The City is interested in converting the cranes away from petroleum-based and to a product better suited for the location, environmentally and food-wise. Bidders should include product options and associated costs they believe are best suited for the Fish Dock.
- Electric control/joy sticks for crane controls shall be wired, NOT remote operated. These controls must have an I.P. rating of 64 or better.
- Provide hydraulic pump and electric drive motor options in bid, as the City is interested in upgrading for energy efficiency.
- Provide crane cable winch replacement options in bid. The existing winch is no longer in production and the City would like to upgrade to a modern winch model that carries the same load rating as the original. All cable fairleads, pulleys, and guides will be inspected, rebuilt, and or replaced during this refurbishment project.

Other Requirements

- For new and replaced components only: provide manufacturer operating and maintenance manuals, including overall outline drawings, wiring diagrams, materials list of equipment, and cut sheets. These will be used for updating the City's equipment diagrams and files.
- Equipment will be installed in a clean and professional manner.
- Any and all electrical connections must be completed by, or signed off by, a qualified electrician.
- Test, verify, and demonstrate correct operation of all systems and functions.
- Train all relevant City personnel in the operation and maintenance of the systems.
- Maintenance agreement: winning bid will show a maintenance contract for possible future site visits and/or consultation and troubleshooting for any repairs.
- Port Director and Fish Dock Supervisor will meet with project foreman for a final inspection and will designate the project complete in writing by signing the final invoice.
- City reserves the right to inspect work in progress on a periodic schedule and to keep any of the used components that are replaced in the refurbishment project.

Warranty: Winning bid will supply two warranties; both based on Crane #5, #6, and #8's hour meter:

1. Warranty on mechanical installation and materials
2. Warranty on coatings (rust protection and adhesion), materials and installation.

Bids will establish how the quality of workmanship and materials are warranted in number of crane hours of operation.

Insurance: The Bidder shall be required to provide proof of insurance prior to commencement of work. Minimum insurance requirements are \$1,000,000 General Liability, and Workman's Comp.

SFB General Requirements: Interested firms should submit their completed bid to the Port and Harbor Office, 4350 Homer Spit Road, Homer, Alaska 99603 using either of the following options:

1. Drop off completed bid in an opaque envelope marked as follows:
 - a. Solicitation for Bids, Port of Homer Crane #5, #6 and #8 Refurbishment
2. Fax completed bid with cover sheet to (907) 235-3152. Be sure to specify on cover sheet the following:
 - a. Attn: Bryan Hawkins, Solicitation for Bids, Port of Homer Crane #5, #6 and #8 Refurbishment
3. Email the completed bid in PDF format to the Port Director/Harbormaster at bhawkins@ci.homer.ak.us.

Bids shall be received at the Port and Harbor Office **no later than 4:30 pm, Friday, December 27, 2013.** Please direct all technical and bid submission questions regarding this proposal to Bryan Hawkins, City of Homer, Port Director/Harbormaster, (907)235-3160.

The City understands that there is no way to know the total scope of work until after the crane unit has been completely tore down and each component inspected. Therefore, we realize the need to have bidders arrange their bid prices into two parts:

1. **Part A:** A detailed cost estimate to perform a complete overhaul of each individual crane per this STB. This estimate should include an itemized list of the crane components that the bidders believe will need to be replaced, components that will need rebuilding, and the associated costs for each. **The City is looking for detail in this part.** Details will also include the three specified bid options requested under the Functional Requirements section.
2. **Part B:** A quote for shop time costs. This price will be used to cover unanticipated costs associated with the crane rebuild process over and above any costs in Part A.

Evaluation Criteria & Selection Process: Bids must, at a minimum, address the following criteria and will be evaluated on such:

- **Experience:** Experience with similar jobs in Alaska **20 points**
- **Quality of Repair Facility:** Information that shows the ability of your facility to perform this contract in a clean, safe, professional environment **20 points**
- **Warranty:** Details on how proposed work will be warranted **20 points**
- **Price:** A cost breakdown including Part A and B, and other bid options **20 points**
- **Approach/Work Plan:** Details on project timeline and how work will be performed **10 points**
- **References:** Names, titles, and phone numbers of at least three clients who obtained similar services from your firm **10 points**

Proposed Term Contract Award Schedule

| | |
|--|-------------------------------------|
| City Solicitation Dates | December 4 – 6, 2013 |
| Mandatory Pre-Bid Teleconference Meeting | Tuesday, December 17, 2013 |
| Non-Mandatory Pre-Bid Site Visit | Thursday, December 19, 2013 |
| Proposals Due | December 27, 2013 |
| Review of Bids & Choosing of Firm | December 30, 2013 – January 6, 2014 |
| City Council Award | January 13, 2014 |
| Initial Overview Meeting/Notice to Proceed | January 2014 |

ATTACHMENT A – Parts List for Inspection

| | Part Name & Description | Inspected? |
|-----|--|------------|
| 1. | 1-PN 236 Main Hinge Pin | |
| 2. | 1-PN 030-1 Lift Cylinder Pin (Turret) | |
| 3. | 1-PN 1427-4 Swing Motor | |
| 4. | 1-PN 1428-2 Swing Brake | |
| 5. | 1-PN 1429-4 Swing Drive | |
| 6. | 1-PN 1251-9 Nine (9) Port Roto Seal | |
| 7. | 1-PN 568 Lift Cylinder (8"x45") | |
| 8. | 1-PN 1440-4 Rotational Bearing | |
| 9. | M-002-1 Drive Pinion Gear | |
| 10. | 1-PN 1300 Sheave Pin Lock | |
| 11. | 1-PN 1352 Sheave Pin | |
| 12. | 1-PN 1353-3 Sheave Wheel | |
| 13. | 1-PN 1553-4 Sheave Wheel | |
| 14. | 5118-2 Adjusting Screw | |
| 15. | 1-PN 1785 Bottom Bearing | |
| 16. | 1-5116-2 Diamond Covers | |
| 17. | 1-PN 1411 Side Bearings | |
| 18. | 7-PN 1625-2 Squirt Tube Assembly | |
| 19. | 3-PN 810 Squirt Cylinder (4"x11'-5") | |
| 20. | 1-PN 1576-9 Squirt Cylinder Pin (M.B. End) | |
| 21. | 1-PN 1712-1 Squirt Cylinder Pin (Sheave End) | |
| 22. | 1-PN 1786 Squirt Tube Bearings | |
| 23. | Winch – Gearmatic 25-11-10-11-00 | |
| 24. | 1-PN 1447-6 Lift Cylinder Pin (Main) | |
| 25. | Electric Motor – Toshiba E0304FLFIUC (30 H.P.) | |
| 26. | Pump – Vickers | |
| 27. | Temperature Control – Mercoid Series "D" | |
| 28. | Filter – Cross 10 Micron | |
| 29. | Coupling – Lovejoy | |
| 30. | Suction Screen – 2" Nut Style | |

WEEKLY CRANE TIME / TONS OF ICE
City of Homer - Fish Dock 2013

| Date From | Date To | Crane Hours (Weekly) | YTD Crane | Tons of Ice (Weekly) | YTD Ice |
|------------|------------|-------------------------|-----------|---------------------------|---------|
| 12/31/2012 | 1/6/2013 | 15.7 | 15.7 | shut down for maintenance | |
| 1/7/2013 | 1/13/2013 | 15.5 | 31.2 | shut down for maintenance | |
| 1/14/2013 | 1/20/2013 | 9.8 | 41 | shut down for maintenance | |
| 1/21/2013 | 1/27/2013 | 12.5 | 53.5 | shut down for maintenance | |
| 1/28/2013 | 2/3/2013 | 17 | 70.5 | shut down for maintenance | |
| 2/4/2013 | 2/10/2013 | 19.8 | 90.3 | shut down for maintenance | |
| 2/11/2013 | 2/17/2013 | 11.1 | 101.4 | shut down for maintenance | |
| 2/18/2013 | 2/24/2013 | 30.6 | 132 | shut down for maintenance | |
| 2/25/2013 | 3/3/2013 | 41.5 | 173.5 | shut down for maintenance | |
| 3/4/2013 | 3/10/2013 | 40.2 | 213.7 | shut down for maintenance | |
| 3/11/2013 | 3/17/2013 | 52.8 | 266.5 | shut down for maintenance | |
| 3/18/2013 | 3/24/2013 | 32.7 | 299.2 | 9 | 9 |
| 3/25/2013 | 3/31/2013 | 35.5 | 334.7 | 28 | 37 |
| 4/1/2013 | 4/7/2013 | 41.4 | 376.1 | 38 | 75 |
| 4/8/2013 | 4/14/2013 | 32.5 | 408.6 | 93 | 168 |
| 4/15/2013 | 4/21/2013 | 46.5 | 455.1 | 47 | 215 |
| 4/22/2013 | 4/28/2013 | 72.1 | 527.2 | 27 | 242 |
| 4/29/2013 | 5/5/2013 | 71.4 | 598.6 | 92 | 334 |
| 5/6/2013 | 5/12/2013 | 57 | 655.6 | 72 | 406 |
| 5/13/2013 | 5/19/2013 | 31.5 | 687.1 | 71 | 477 |
| 5/20/2013 | 5/26/2013 | 76.2 | 763.3 | 54 | 531 |
| 5/27/2013 | 6/2/2013 | 63.6 | 826.9 | 102 | 633 |
| 6/3/2013 | 6/9/2013 | 100.1 | 927 | 140 | 773 |
| 6/10/2013 | 6/16/2013 | 115.5 | 1042.5 | 79 | 852 |
| 6/17/2013 | 6/23/2013 | 106.1 | 1148.6 | 87 | 939 |
| 6/24/2013 | 6/30/2013 | 76.2 | 1224.8 | 110 | 1049 |
| 7/1/2013 | 7/7/2013 | 104.3 | 1329.1 | 117 | 1166 |
| 7/8/2013 | 7/14/2013 | 150.2 | 1479.3 | 160 | 1326 |
| 7/15/2013 | 7/21/2013 | 116.9 | 1596.2 | 334 | 1660 |
| 7/22/2013 | 7/28/2013 | 84.9 | 1681.1 | 81 | 1741 |
| 7/29/2013 | 8/4/2013 | 149.5 | 1830.6 | 118 | 1859 |
| 8/5/2013 | 8/11/2013 | 100.2 | 1930.8 | 83 | 1942 |
| 8/12/2013 | 8/18/2013 | 124.3 | 2055.1 | 144 | 2086 |
| 8/19/2013 | 8/25/2013 | 102.1 | 2157.2 | 179 | 2265 |
| 8/26/2013 | 9/1/2013 | 80.5 | 2237.7 | 75 | 2340 |
| 9/2/2013 | 9/8/2013 | 47.5 | 2285.2 | 47 | 2387 |
| 9/9/2013 | 9/15/2013 | 52.4 | 2337.6 | 94 | 2481 |
| 9/16/2013 | 9/22/2013 | 42.1 | 2379.7 | 31 | 2512 |
| 9/23/2013 | 9/29/2013 | 22.2 | 2401.9 | 70 | 2582 |
| 9/30/2013 | 10/6/2013 | 35.9 | 2437.8 | 21 | 2603 |
| 10/7/2013 | 10/13/2013 | 30.6 | 2468.4 | 56 | 2659 |
| 10/14/2013 | 10/20/2013 | 10.7 | 2479.1 | 15 | 2674 |
| 10/21/2013 | 10/27/2013 | 4.2 | 2483.3 | 23 | 2697 |
| 10/28/2013 | 11/3/2013 | 11 | 2494.3 | 9 | 2706 |
| 11/4/2013 | 11/10/2013 | 28 | 2522.3 | 17 | 2723 |
| 11/11/2013 | 11/17/2013 | 11.1 | 2533.4 | 0 | 2723 |
| 11/18/2013 | 11/24/2013 | 5.9 | 2539.3 | shut down for maintenance | |
| 11/25/2013 | 12/1/2013 | 6.1 | 2545.4 | shut down for maintenance | |
| 12/2/2013 | 12/8/2013 | 23.3 | 2568.7 | shut down for maintenance | |
| 12/9/2013 | 12/15/2013 | 5.5 | 2574.2 | shut down for maintenance | |
| 12/16/2013 | 12/22/2013 | 16.1 | 2590.3 | shut down for maintenance | |
| 12/23/2013 | 12/29/2013 | 8.2 | 2598.5 | shut down for maintenance | |

