STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HARBORS

ADDENDUM NO. 1

FOR

FENDER REPAIRS AT
KAUMALAPAU HARBOR, LANAI

JOB S30220

May 22, 2023

This Addendum shall make the following amendments to the bid documents:

I. SPECIFICATIONS

A. ARTICLE XII – FENDER SYSTEM REPAIRS PAGES 12-1 TO 12-3

1. Delete Article XII – Fender System Repairs pages 12-1 to 12-3 in its entirety and replace with the attached Article XII – Fender System Repairs pages 12-1 to 12-3 dated r5/22/2023

Kindly acknowledge receipt of this Addendum No. 1 by recording the date of its receipt in the space provided therefore on page P-4 of the PROPOSAL.

Dreanalee Kalili

DREANALEE K. KALILI
Deputy Director
Department of Transportation, Harbors

ARTICLE XII – FENDER SYSTEM REPAIRS

12.1 DESCRIPTION - The work to be done under this Article consists of removing and repairing a portion of the existing tire fender system at Kaumalapau Harbor. The work includes, but is not limited to, the following:

A. Removal and disposal of existing rubber tire fenders, shackles, chains, tire grommets, and other appurtenances off State property in a lawful manner.

B. Replacement of the existing rubber tire fender system including, but not limited to, rubber tire fenders, shackles, chains, tire grommets, and other appurtenances.

12.2 MATERIALS

A. Tire Grommets - Steel plates for the new tire grommets fabrication shall conform to American Society for Testing and Materials (ASTM) A36 specifications and shall be hot-dip galvanized after assembly in accordance with ASTM A123 specifications. All welding shall conform to the requirements of the American Welding Society. Tire grommets shall be furnished by the State for this project.

B. Chains shall be 7/8-inch dock fender chain, with an average ultimate breaking strength 105,000 pounds, minimum proof test of 55,000 pounds, hot-dip galvanized. Chains shall be furnished by the State for this project.

C. Shackles shall be galvanized steel, 7/8-inch bolt type anchor shackle with stainless steel cotter pin, working load limit 17,000 pounds, ultimate load 102,000 pounds, conforming to Federal Specification RRC-271D. Twenty complete shackles are to be furnished by the Contractor for this project.

D. All other appurtenances shall be hot-dipped galvanized unless otherwise specified.

E. Rubber Tires - The existing rubber tires from the fender system shall not be reused in the newly repaired fender system unless approved by the Construction Engineer and Harbor Agent. Newly provided worn tires may be accepted for use in place of new tires by the Construction Engineer. Worn tires shall be individually inspected and approved by the Construction Engineer or Harbor Agent prior to use in the newly repaired fender system. It is the Contractor's responsibility to provide six satisfactory-worn or brand-new tires with a width within the range of 30 to 36 inches and a diameter within the range of 78 to 84 inches to completely repair the fender system, with any additional tire fenders placed in a location deemed appropriate by the Construction Engineer and Harbor Agent for storage and future use.

12.3 CONSTRUCTION

A. Removal Work - Prior to any removal work, the Contractor shall carefully record the locations of all materials to be removed and the manner in which the materials are secured to the existing structure. Except as specified otherwise on the drawings, or in these Specifications, all removed material shall be reinstalled in the finished structure at the same location and in the same manner as existed prior to removal. The existing tire fender system shall be carefully removed as not to damage the existing pier and other structures. All existing materials that will be replaced shall become the property of the Contractor and shall be disposed of away from the project site in a lawful manner at the Contractor's expense.

B. Metal Appurtenances - The Contractor shall furnish 20 new shackles for all tire repair, replacements, and spares for storage, and the State shall furnish all new chains and tire grommets. The Contractor will be responsible for verifying the required length of chain and quantity of grommets needed with the Construction Engineer and Harbor Agent. The Contractor will be responsible for installing all shackles, chains, tire grommets, and any other appurtenances for the new tire fender system. Hot-dipped galvanized coating, which has been field or shop cut, burned by welding, abraded or otherwise damaged to such extent as to expose the base metal, shall be repaired and recoated. The Contractor shall hang the new rubber tire fender systems from the padeyes as shown on the drawings.

C. Tire Fenders – The Contractor shall furnish six new tire fenders for repair and replacements, and storage for future use. The Contractor shall be responsible for hauling the new rubber tires to the project site at no additional cost to the State. The rubber tire fenders shall be installed as shown on the plans together with any final adjustments required to fit system snugly against the exterior face of the wharf. The fender system shall be pre-assembled on the pier deck before being set on the concrete pier face. Any drilling and cutting after the fender system is set on the concrete pier face shall be prohibited. The Contractor shall drill holes for installation of grommets. New tire grommets shall be installed as shown on the plans. The tires shall be fastened to the padeyes with new chains and shackles as shown on the plans. A three-inch diameter drain hole shall be drilled into the bottom of each tire. Damaged zinc coating on grommets, chain, bolts, washers, nuts or other components shall be treated with cold galvanizing compound.

   Adjustments shall be made by the Contractor at their expense and to the satisfaction of the Construction Engineer. All fender adjustments shall be made prior to the final acceptance of the contract by the State. All debris resulting from this work shall be disposed of away from the jobsite. Depositing debris into harbor waters is prohibited.

12.4 PAYMENT - Payment for Fender System Repairs shall be made as described in Article X of the Specifications.