

**SPECIFICATIONS AND PROPOSAL**

**FOR**

**FENDER AND WATERLINE REPAIRS AT**

**PORT ALLEN, KAUAI, HAWAII**

**JOB S70145**

**STATE OF HAWAII**  
**DEPARTMENT OF TRANSPORTATION**  
**HARBORS DIVISION**

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Performance Bond (Surety)  
Performance Bond  
Labor and Material Payment Bond (Surety)  
Labor and Material Payment Bond  
Chapter 104, HRS Compliance Certificate  
Certification of Compliance for Employment of State Residents, Act 192, SLH 2011

NOTICE TO BIDDERS  
(Chapter 103D, Hawaii Revised Statutes)

The receiving of SEALED BIDS for FENDER AND WATERLINE REPAIRS AT PORT ALLEN HARBOR, KAUAI, HAWAII - JOB S70145, will begin as advertised in HIEPRO. Bidders are to register and submit bids through HIEPRO only. See the following HIEPRO link for important information on registering: <https://hiepro.ehawaii.gov/welcome.html>.

Plans, specifications, proposal, contract forms, and any other applicable documents may be obtained from HIEPRO.

Deadline to submit bids is June 2, 2023, at 2:00 p.m. Hawaii Standard Time (HST). Bids received after said due date and time shall not be considered.

The scope of work for this project consists of repairing the fender system, concrete spalls and delaminations, stairs and guardrails, and waterline at Port Allen Harbor, Kauai, Hawaii. The estimated construction cost is between \$500,000 and \$800,000.

To be eligible for award, bidders must possess a valid State of Hawaii General Engineering Contractor's "A" license at the time of bidding.

The GENERAL PROVISIONS dated 2016 applicable to this project are available on the internet at <http://hidot.hawaii.gov/administration/con/>.

All questions and requests for information (RFI) applicable to the bid documents shall be submitted via HIEPRO no later than 14 calendar days before bid opening. Questions received after the deadline will not be addressed. Verbal RFI will not receive a response.

A pre-bid meeting is scheduled for May 11, 2023, at 10:00 a.m. HST. All prospective bidders or their representatives (employees) are encouraged to attend, but attendance is not mandatory. The pre-bid meeting will be conducted on Microsoft Teams. Contact

Mr. Branden Sumida, Harbors Project Manager, by phone at (808) 587-1873 or by email at branden.sumida@hawaii.gov, a minimum of 24 hours prior to the scheduled pre-bid meeting to receive the Teams meeting invitation. Anything said at the conference is for clarification purposes and any changes to the bid documents will be made by addendum and posted in HiePRO.

Apprenticeship Preference. A 5% bid adjustment for bidders that are parties to apprenticeship agreements pursuant to §103D-55.6, Hawaii Revised Statutes (HRS), is applicable to this project.

Employment of State Residents on Construction Procurement Contracts. Compliance with §103B-3, HRS, is a requirement for this project whereby a minimum of 80% of the bidder's work force on this project **must** consist of Hawaii residents.

Campaign Contributions by State and County Contractors. Contractors are hereby notified of the applicability of §11-355, HRS, which states that campaign contributions are prohibited from specified State or County government contractors during the term of the contract if the contractors are paid with funds appropriated by a legislative body. For more information, contact the Campaign Spending Commission at (808) 586-0285.

Protests. Any protest of this solicitation shall be submitted in writing to the Director of Transportation, in accordance with §103D-701, HRS, and §3-126, Hawaii Administrative Rules.

The Equal Employment Opportunity Regulations of the Secretary of Labor implementing Executive Order 11246, as amended, shall be complied with on this project.

The U.S. Department of Transportation Regulation entitled "Nondiscrimination in Federally-Assisted Programs of the U.S. Department of Transportation," Title 49, Code of Federal Regulations (CFR), Part 21, is applicable to this project. Bidders are hereby notified that the State Department of Transportation will affirmatively ensure that the contract entered into pursuant to this advertisement will be awarded to the lowest responsible bidder without

discrimination on the grounds of race, color, national origin, or sex (as directed by 23 CFR, Part 200).

For additional information, contact Mr. Sumida as noted above.

The State reserves the right to reject any or all proposals and to waive any defects in said proposals for the best interest of the public.



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DREANALEE K. KALILI  
Deputy Director  
Department of Transportation, Harbors

Posted on HlePRO: May 3, 2023

## **INSTRUCTIONS FOR CONTRACTOR'S LICENSING**

"A" general engineering contractors and "B" general building contractors are reminded that due to the Hawaii Supreme Court's January 28, 2002 decision in Okada Trucking Co., Ltd. v. Board of Water Supply, et al., 97 Haw. 450 (2002), they are prohibited from undertaking any work, solely or as part of a larger project, which would require the general contractor to act as a specialty contractor in any area where the general contractor has no license. Although the "A" and "B" contractor may still bid on and act as the "prime" contractor on an "A" or "B" project (*See, HRS § 444-7 for the definitions of an "A" and "B" project.*), respectively, the "A" and "B" contractor may only perform work in the areas in which they have the appropriate contractor's license (*An "A" or "B" contractor obtains "C" specialty contractor's licenses either on its own, or automatically under HAR § 16-77-32.*). The remaining work must be performed by appropriately licensed entities. It is the sole responsibility of the contractor to review the requirements of this project and determine the appropriate licenses that are required to complete the project.

## SPECIAL PROVISIONS

The General Provision is amended as follows:

A. ARTICLE I - TERMS, ABBREVIATIONS, AND DEFINITIONS

1. Section 1.3 Definitions: The definition for “Subcontractor” is amended by deleting it and replacing it with the following:

“Subcontractor – An individual, partnership, firm, corporation, or joint venture, or other legal entity, as licensed or required to be licensed under Chapter 444, Hawaii Revised Statutes, as amended, which enters into an agreement with the Contractor to perform a portion of the work.”

2. Add the following to section 1.3 Definitions.

“HAWAII ePROCUREMENT SYSTEM (HIePRO) - The State of Hawaii eProcurement System for issuing solicitations, receiving proposals and responses, and issuing notices of award.”

B. ARTICLE II – STANDARD PROVISIONS FOR COMPETITIVE SEALED BIDS AND AWARDS

1. 2.7 Request for Substitution of Specified Materials and Equipment Before Bid Opening is amended as follows:

- a. The last sentence in the first paragraph (line 147 to 152) be replaced with the following:

“Where a bidder intends to use a material or equipment of an unspecified brand, make, or model, the bidder must submit a request to the Department for review and approval at the earliest date possible. Requests shall be submitted via email to the Contact person listed in HIePRO for the solicitation and also posted as a question in HIePRO under the question/answer tab referencing the email with the request. The request must be posted in HIePRO no later than seventeen (17) calendar days before the bid opening date, not including the bid opening date.”

- b. The first sentence in the second paragraph (line 154 to 156) shall be replaced with the following:

“It shall be the responsibility of the bidder to submit sufficient evidence based upon which a determination can be made by the Department that the alternate brand is a qualified equivalent.”

2. 2.8 Preparation and Delivery of Bid is amended as follows: Last paragraph (line 189 to 192) shall be replaced with the following:

“The bidder shall submit the proposal in HiePRO. The proposal shall be UPLOADED to HiePRO prior to the bid opening date and time. Proposals received after said due date and time shall not be considered. Original (wet ink) proposal documents are not required to be submitted. The award will be made based on proposals uploaded in HiePRO. Any and all other additional documents explicitly designated and labeled as CONFIDENTIAL OR PROPRIETARY shall be UPLOADED SEPARATELY to HiePRO.”

3. 2.11 Bid Security is amended by deleting (a) and replacing it with:

“(a) Unless directed otherwise in the invitation for bids, each bid shall be accompanied by bid security which is intended to protect the Department against the failure or refusal of a bidder to execute the contract for the work bid or to supply the required performance and payment bonds. Bid security shall be in an amount equal to at least five percent of the base bid and additive alternates. Bid security shall be in one of the following forms:

- (1) A deposit of legal tender;
- (2) A valid surety bid bond, underwritten by a company licensed to issue bonds in the State of Hawaii; or
- (3) A certificate of deposit; credit union share certificate; or cashier’s, treasurer’s, teller’s, or official check drawn by or a certified check accepted by a bank, savings institution, or credit union insured by the Federal Deposit Insurance Corporation (FDIC) or the National Credit Union Administration (NCUA) and payable at sight or unconditionally assigned to the Department. These instruments may be utilized only to a maximum of one hundred thousand dollars (\$100,000.00). If the required amount totals over one hundred thousand dollars (\$100,000.00), more than one instrument not exceeding one hundred thousand dollars (\$100,000.00) each and issued by different financial institutions shall be accepted.
- (4) Proposal Guaranty listed in (1) and (3) shall be in its original form, and shall be received at the Contracts Office, Department of Transportation, Aliiimoku Hale, 869 Punchbowl Street, Room 105, Honolulu, Hawaii 96813 before the bid deadline.”

4. 2.12 Pre-Opening Modification or Withdrawal of Bids is amended by deleting 2.12 Pre-Opening Modification or Withdrawal of Bids in its entirety and replacing it with the following:

“2.12 Pre-Opening Modification or Withdrawal of Bids. A bidder may withdraw or modify a proposal after the bidder submits the proposal in HIePRO. Withdrawal or modify of proposal must be completed before the time set for the receiving of bids.”

5. 2.14 Public Opening of Bids is amended by deleting 2.14 Public Opening of Bids in its entirety.
6. 2.20 Bid Evaluation and Award is amended by replacing 2.20(a) and 2.20(b) with the following:

“(a) The award shall be made to the lowest, responsive, responsible bidder within 120 days after bid opening and shall be based on the criteria set forth in the invitation for bids. The Department may request the bidders to allow the Department to consider the bids for the issuance of an award beyond the 120 day period. Agreement to such an extension must be made by a bidder in writing. Only bidders who have agreed to such an extension will be eligible for the award.

(b) No bid shall be withdrawn or corrected for a period of 120 days after bid opening except for a mistake as described in this article; however, a bidder may withdraw a bid without penalty anytime prior to award of the contract if it finds it is unable to comply with the provisions regarding the employment of State of Hawaii residents as described in Section 7.2 and 103B-3, H.R.S.”

C. ARTICLE VII – LEGAL RELATIONS AND RESPONSIBILITY TO PUBLIC

1. 7.1 Insurance Requirements is amended by deleting paragraph “(b)(4) Builder’s Risk for All Work” in its entirety.

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HONOLULU, HAWAII

**SPECIFICATIONS**

**PART I**

**GENERAL PROVISIONS**

The Hawaii Department of Transportation AIR and WATER Transportation Facilities Division General Provisions for Construction Projects dated 2016 is not physically included in these specifications. The General Provisions are available at

<http://hidot.hawaii.gov/administration/con/>

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HONOLULU, HAWAII

**SPECIFICATIONS**

**PART II**

**TECHNICAL PROVISIONS**

## ARTICLE X - PROJECT DESCRIPTION

10.1 GENERAL - The work to be done under this project includes furnishing of all labor, material, and equipment necessary to perform fender system, substructure, stairs and guardrails, and waterline repairs at Port Allen, Kauai, Hawaii.

Bidders are advised to examine the existing conditions at the proposed project site to familiarize themselves with the nature and extent of work involved and working conditions. Appointments may be made with the Harbors Project Engineer for clarification of the work involved or definition of the limits of the work and the character and quality of materials specified.

10.2 SCOPE OF WORK – The major items of work to be done include, but are not limited to the following:

- A. Repair fenders and related appurtenances including the following:
  - 1. Replacing select areas of the entire fender system.
  - 2. Replacing tire fenders and related appurtenances at select areas of the fender system.
  - 3. Replacing vertical lagging at select areas of the fender system.
- B. Repair of concrete spalls and delaminations on the pier substructure in the vicinity of the fender repairs.
- C. Replacing an existing stairs and related appurtenances.
- D. Repair waterline and related appurtenances.

10.3 CONTRACT DRAWINGS – The location and size of the repair areas shown on the plan are approximate and are included for bidding purposes only. All structures and portions of structures shown on the plan are existing unless specifically noted. Existing conditions shown are based on the best available information. No guarantee is given that they are more than approximately correct.

10.4 WORK SCHEDULE – The work schedule and assignment of storage area(s) shall be discussed and coordinated with the Harbors Kauai District Manager and the Construction Engineer and shall be subject to their written approval. The contractor shall turn in a work schedule two (2) weeks prior to actual construction for approval by the Harbors Kauai District Manager and the Construction Engineer. The Contractor shall be responsible for maintaining the work and storage areas in neat and orderly condition.

Shipping and dock activities by tenants/users will take precedence over the Contractor's activities. Vessels call at various days of the week. An approximate vessel schedule for the project area can be found at hawaiiportcall.com. The exact scheduling of the work and restrictions on the Contractor's activities will be established at the pre-construction meeting. Phasing and careful coordination of the work will be required to allow continuous use of the project area. The Contractor shall be responsible for coordination with all tenants/users of the area and Harbors on a daily basis regarding scheduling of all work at no additional cost to the State.

Tenants including charter boats use the pier on a daily basis. Tenant operations will be ongoing in areas adjacent to the project area for the duration of the project. Phasing of the work will be required to minimize shutdown of the pier as determined by Harbors. Daily coordination with the main tenants/users of project area and Harbors will be required for the successful completion of the project at no additional cost to the State.

No work will be allowed when the fuel barge is in port. Presently the fuel barge comes in every other Monday. Fender repair work will need to be scheduled around fuel barge operations to maintain an operational fender system for berthing of the fuel barge.

Contractor shall phase the work to allow continuous use of the area behind the pier and also minimize shutdown of existing bollards.

The Contractor shall provide a 10'-0" minimum travel lane on the pier apron during the entire project duration.

The Contractor shall coordinate its work so as to minimize interference with the pier operations. All work shall be scheduled to minimize interference with any operations in the project area. Weekend and night work may be required.

The exact scheduling and sequencing of the work and restrictions on the Contractor's operation while working at the project site will be established at the pre-construction meeting. The Contractor shall attend the pre-construction meeting to coordinate its work with others and shall complete all work within the work schedule.

10.5 LIABILITY AND RESPONSIBILITY - The Contractor shall provide, erect and maintain warning signs, lights, barricades, fences, watchmen and/or other means as necessary to prevent unauthorized persons from wandering onto the job site where they may suffer injury or create a hazard to the construction operations or the work in progress. The Contractor shall also take reasonable precautions for safety in its operations and to prevent injury to its employees and to others having lawful business at the job site.

The Contractor shall be responsible for any and all damages to the existing Harbors pier facilities caused by its operations or negligence. The Contractor shall, at its own expense, make prompt restitution for damages to the facilities caused by its operations or negligence. The Contractor shall hold the State harmless from all claims for loss or injury.

The Contractor SHALL verify existing conditions in the field prior to ordering any materials. The existing conditions are based on the best available information. The Contractor shall make no claim for extra compensation should actual existing conditions differ from those shown on the plans.

10.6 BEST MANAGEMENT PRACTICES (BMPs) - The Contractor must follow standard best management practices (BMPs) for air pollution, water pollution, noise and solid waste control, as required by Federal, State and County regulations, to protect the environment from effects of construction activity, including prohibiting any construction debris or other deleterious materials to fall, flow or otherwise enter harbor waters.

The Contractor shall submit a site-specific BMP plan to Harbors for review and comment before work begins. The plan shall satisfy the requirements of ARTICLE XII – TEMPORARY WATER POLLUTION, DUST, AND EROSION CONTROL. This plan shall describe and detail the methods and procedures to be used to prevent air and water pollution, including preventing any materials, wastes, and debris from entering any adjacent storm drain system and harbor waters to the satisfaction of Harbors. The Contractor shall revise the BMP plan, at no additional cost to the State, should it be determined by the Construction Engineer that the plan is insufficient to prevent pollution.

10.7 SUBMITTALS – The Contractor shall submit for review one (1) copy of the following items in PDF format.

- A. Best Management Practices (BMP) Plan.
- B. Proof of valid TWIC credential card for all Contractor and Sub-contractor workers.
- C. Shop Drawings and Material Submittals for Fender System Repairs
- D. Concrete Spall Repair Work
  - 1. Concrete Mix Design for Spall Repairs
  - 2. Patching Compound for Form and Pour Repairs
  - 3. Patching Compound for Vertical Surface and Underside Repairs
  - 4. Reinforcing Steel
  - 5. Reinforcing Steel Coating
  - 6. Curing Compound
- E. Structural Steel Shop Drawings for Stairs and Guardrails
- F. Epoxy Coating System

G. Shop Drawings and Material Submittals for Waterline Repairs

10.8 STANDARD SPECIFICATIONS - The term "Standard Specifications" as used in the Technical Specifications shall mean the Hawaii Standard Specifications for Road and Bridge Construction, State of Hawaii, Department of Transportation, Highways Division, 2005.

10.9 AS-BUILT DRAWINGS - The Contractor shall keep one (1) set of drawings at the job site and make all field changes thereon. After completion of the project, a PDF/A format digital file marked up with all the field changes shall be submitted to the Construction Engineer.

10.10 HARBOR SECURITY - The Contractor shall submit required documentation of all Contractor and subcontractor's employees, their representatives, suppliers, manufacturers, and alike, and of all necessary vehicles needing access to the project site to the Harbors Construction Engineer and Kauai District Manager before starting work on the project. The documentation will include the following:

- A. Authorized personnel's first name, middle initial(s), and last name by company name.
- B. Vehicle(s) license plate number(s) by company name.
- C. The Contractor may be directed to use a specified entrance to enter and exit the harbor. Upon every entry, each employee must present and possess a photo identification (ID) card.
- D. All Contractor's and sub-contractor's employees, their representatives, suppliers, manufacturers, and authorized personnel needing access to the project site shall wear their photo ID card at all times.
- E. Contractor's vehicles must be identified with a company logo and will be subject to search. Any employee's personal belongings will also be subject to search.
- F. If the Contractor wishes to remove any fencing or open any locked gates, they shall coordinate with and request approval from the Harbors Division Construction Engineer and Kauai District Manager. If approval is granted, the Contractor shall then be responsible for securing open fencing or gate(s) immediately after entering, or posting security personnel to monitor ingress and egress. Inspections of vehicles and equipment moving through the access points will be done in accordance with current MARSEC level and directives.
- G. If security personnel are required, the Contractor shall hire the same contract security that provides service to the State of Hawaii, Department of Transportation, Harbors Division. In the event that the security contract for Harbors changes, contractor must hire the new security contractor.

- H. By the end of each day, the Contractor shall re-erect and restore all fencing/barrier/perimeter security measures to the satisfaction of the Harbors Division Construction Engineer and the Kauai District Manager. Electricity and lighting shall also be restored and in satisfactory working order, to no less than pre-construction conditions, by the end of each day, to the satisfaction of the Harbors Division Construction Engineer and District Manager.
- I. Under no circumstances shall perimeter security be compromised. If determined by the State, and solely by the State, that the contractor has left the project site in a condition that compromises security of the harbor, the State reserves the right to make the necessary arrangements to provide and enhance perimeter security, including restoration of electrical power and lighting, at the sole expense of the Contractor.
- J. At times, the maritime security level for the State of Hawaii and/or the general color-coded security level for State of Hawaii may be temporarily elevated. In these events, the contractor may be prohibited to access the project site and may be required to stop work as directed by either the Harbors Division Construction Engineer or Kauai District Manager. The Harbors Division will consider impacts to the work and schedule as a result of prolonged work stoppages.

With the possible exception of Item J above, all other requirements indicated shall be considered incidental to the project and shall be provided by the contractor at no cost to the State.

The Contractor's personnel requiring access to secure areas of maritime facilities will be required to obtain a Transportation Worker Identification Credential (TWIC). No escorting of personnel is allowed. The project area has been deemed to be within a secured area. TWIC was established by Congress through the Maritime Transportation Security Act and is administered by the Transportation Security Administration (TSA) and U.S. Coast Guard. To obtain a TWIC, the applicant must provide biographic and biometric information such as fingerprints, sit for a digital photograph and successfully pass a security threat assessment conducted by TSA. The Contractor will be responsible to obtain and pay for all costs associated in providing their appropriate employees with TWIC. Information regarding TWIC is available on the TSA website at: <https://www.tsa.gov/for-industry/twic>.

10.11 COMPLETION TIME - All work for this project shall be completed within the specified time period as listed on page P-1 of the Proposal. The number of days shall commence on the issuance of the notice to proceed. The intent of the contract is to provide for the construction final acceptance of the work described by the contract documents at the accepted bid price and within the time established by the contract. The Contractor has the duty to furnish all labor, materials, equipment, tools, transportation, incidentals, and supplies and to determine the means, methods and schedules required to complete the work in accordance with the contract documents.

Unless otherwise directed by the Engineer in writing, the Contractor shall not commence with physical construction without sufficient materials and equipment available at the project site for either continuous construction until completion, or completion of a specified portion of the work.

10.12 PAYMENT – Payment shall be made as specified below. Such payment shall include furnishing all labor, material, equipment and other expenses required to complete each item in accordance with the plans and specifications. The Best Management Practices (BMP) plan, including temporary water pollution, dust, and erosion measures shall be considered incidental to the pay items below.

Item 1 – Mobilization and Demobilization. Payment shall be made at the lump sum price bid in the Proposal Schedule. Sixty percent (60%) of the lump sum price bid will be paid to the Contractor upon completion of mobilization at the work site and approval of the BMP plan. The remaining forty percent (40%) will be included in the final payment under this contract. Such payment shall include setting up and removing all plant equipment and materials at the job site, providing temporary barricades as required for Harbor operations during construction, cleaning up the job site and all other incidental work required to complete this item.

Item 2 – Fender System Replacement. Payment shall be made at the lump sum price bid in the Proposal Schedule. Such payment shall include removing and disposing of the existing fender system; properly salvaging any items as directed by Harbors; furnishing and installing tire fenders, vertical lagging, wales, blocking, bolts, hardware as shown on the project plans, and all other incidental work required to complete this item.

Item 3 – Tire Fender Repairs. Payment shall be made at the unit price bid in the Proposal Schedule. Such payment shall include removing and disposing of existing tire fenders at select areas on the existing fender system, furnishing and installing tire fenders, cables and hardware as shown on the project plans, and all other incidental work required to complete this item.

Item 4 – Vertical Lagging Fender Repairs. Payment shall be made at the unit price bid in the Proposal Schedule. Such payment shall include removing and disposing of existing lagging at select areas on the existing fender system, furnishing and installing all vertical lagging and hardware as shown on the project plans, and all other incidental work required to complete this item.

Item 5 - Corbel Spall Repairs. Payment shall be made at the unit price bid per square foot in the Proposal Schedule. Such payment shall include concrete removal work, preparing repair area, cleaning effective reinforcing steel to remain, applying reinforcing steel coating, installing and removing formwork, placing concrete or patching compound, patching holes used to support formwork, and all other incidental work required to complete this item. Payment for reinforcing steel replacement shall be made in accordance with Item 6.

Item 6 - Reinforcing Steel Replacement. Payment shall be made at the unit price bid per pound in the Proposal Schedule. Such payment shall include furnishing and installing new reinforcing steel to be welded for Item 5, welding new reinforcing steel, and all other incidental work required to complete this item.

Item 7 - Stair Repairs. Payment shall be made at the lump sum price bid in the Proposal Schedule. Such payment shall include demolishing, removing, and disposing of the existing stairs and related appurtenances; properly salvaging any items as directed by Harbors; furnishing and installing new stairs including connections to the existing pier as shown on the project plans; furnishing, coating, and installing new guardrail including connections to the existing pier as shown on the project plans; and all other incidental work required to complete this item.

Item 8 – Waterline Repairs. Payment shall be made at the lump sum price bid in the Proposal Schedule. Such payment shall include installation of new waterline and lateral connections, pipe hanger assemblies, tape wrapping, and connections to existing water main; proper removal of existing waterline and related appurtenances; disposal work; testing work; properly salvaging any items as directed by Harbors; and all other incidental work required to complete this item.

Preparation of photographs of repairs will not be paid for directly but shall be considered incidental to the various contract items.

Fender and concrete spall repair quantities listed in the Proposal Schedule are increased from actual field quantities to account for growth in repair areas and additional repairs not shown in plans. Additional repairs may be present in project limits. No adjustment to the unit prices listed in the Proposal Schedule will be allowed due to difference between actual quantities and bid quantities.

## ARTICLE XI – MOBILIZATION AND DEMOBILIZATION

11.1 GENERAL – The work consists of furnishing at the job site, plant, equipment, materials, labor and appliances and performing all work in connection with mobilization and demobilization for the job in accordance with this Article of the Specifications.

### 11.2 DESCRIPTION

- A. Mobilization shall include setting up, ready for use, all plant, equipment and necessary materials at the job site.
- B. Demobilization shall include the removal of all the Contractor's plant and equipment and surplus material from the job site. The cleanup of the job site, satisfactory to the Construction Engineer, shall also be included in this article.

11.3 PAYMENT – Payment for Mobilization and Demobilization shall be made as described in Article X of these Specifications.

ARTICLE XII – TEMPORARY WATER POLLUTION, DUST, AND EROSION CONTROL  
**For Project NOT Subject to NPDES NOI-C Permit**

12.1 DESCRIPTION – This section is required for all work, including the Contractor’s storage sites. It describes the following:

- A. A detailed site-specific Best Management Practice (BMP) Plan including diagrams and narratives; constructing, maintaining, and repairing temporary water pollution, dust, and erosion control measures at the project site including local material sources, work areas and access roads; removing and disposing of wastes and hazardous wastes; and control of fugitive dust (defined as uncontrolled emission of solid airborne particulate matter from any source other than combustion). Additionally, all projects at Honolulu, Kalaehoa Barbers Point, and Kahului Harbors are subject to State of Hawaii, Department of Transportation (HDOT) Harbors Division, Stormwater Management Plan (SWMP) requirements, unless exempted, and are subject to Harbors Stormwater BMP inspections. If any requirement conflicts with those administered by State of Hawaii, Department of Health (HDOH), the Contractor shall follow the more stringent requirement.
- B. Compliance with applicable federal and other state permit conditions.
- C. Work associated with dewatering and hydrotesting activities and compliance with conditions of the NPDES general permit coverage authorizing discharges associated with construction activity dewatering and hydrotesting.

12.2 GENERAL REQUIREMENTS – In order to provide for the control of water pollution, dust, and erosion arising from the construction activities of the Contractor and his subcontractors in the performance of this contract, the work performed shall comply with all applicable federal, state, and local laws and regulations concerning water pollution control including, but not limited to, the following regulations:

- A. State of Hawaii, HDOH, Hawaii Administrative Rules (HAR) Chapter 11-54 – Water Quality Standards and Chapter 11-55 – Water Pollution Control.
- B. For projects at Honolulu, Kalaehoa Barbers Point, and Kahului Harbors ONLY, HDOT Harbors Division, Stormwater Management Plan.
- C. For projects at Honolulu, Kalaehoa Barbers Point, and Kahului Harbors ONLY, City and County of Honolulu (CCH), Rules Relating to Water Quality.
- D. For projects at Honolulu, Kalaehoa Barbers Point, and Kahului Harbors ONLY, CCH, Storm Water BMP Manual for Construction.
- E. 40 CFR Part 110, Environmental Protection Agency (EPA), Discharge of Oil.

- F. 40 CFR Part 117, EPA, Determination of Reportable Quantities for Hazardous Substances.
- G. 40 CFR Part 261, EPA, Identification and Listing of Hazardous Waste.
- H. 40 CFR Part 302, EPA, Designation, Reportable Quantities, and Notification.
- I. 49 CFR Part 171, U.S. Department of Transportation, Hazardous Materials Regulations.

12.3 MATERIALS - Materials shall conform to the following when applicable:

- A. Slope Drains. Slope drains may be constructed of pipe, fiber, mats, erosion control fabric, geotextiles, rubble, Portland cement concrete, bituminous concrete, plastic sheets, or other materials acceptable to the Construction Engineer.
- B. Grass. Grass shall be quick growing species such as rye grass, Italian grass, or cereal grasses. Grass shall be suitable to the area and provide a temporary cover that will not compete later with permanent cover. Alternative grasses are allowable if acceptable to the Construction Engineer.
- C. Fertilizer and Soil Conditions. Fertilizer and soil conditioners shall be a standard commercial grade acceptable to the Construction Engineer.
- D. Silt Fences. Silt fences shall be synthetic filter fabric mounted on posts and embedded in compacted ground in compliance with American Society for Testing and Materials (ASTM) D6462-03, Standard Practice for Silt Fence Installation.
- E. Berms. Berms shall be gravel or sand wrapped with geotextile material. Alternate materials are allowable if acceptable to the Construction Engineer.
- F. Alternate materials or methods to control, prevent, remove, and dispose of pollution are allowable if acceptable to the Construction Engineer.

12.4 CONSTRUCTION

- A. Preconstruction Requirements.
  - 1. Temporary Water Pollution, Dust, and Erosion Control Meeting. The contractor shall be required to submit a site-specific BMP Plan to the Construction Engineer and address all comments by the Construction Engineer. After the Plan is accepted in writing by the Construction Engineer, the Contractor shall schedule a meeting with the Construction Engineer before the start of construction work to discuss the sequence of work, and plans and proposals for water pollution, dust, and erosion control.

2. Temporary Water Pollution, Dust, and Erosion Control Submittals.  
The Contractor shall submit the site-specific BMP Plan to the Construction Engineer prior to the start of work for review of compliance with this Article. A site-specific BMP Plan template is available online at <https://hidot.hawaii.gov/harbors/malamaikeawakai/>, under **HDOT Harbors Construction and Post-Construction Programs – Documents and Forms.**
- a. Written site-specific BMP Plan shall include the following as applicable:
- 1) Identification of potential pollutants and their sources and other factors that may cause water pollution, dust, and erosion.
  - 2) A list of all material and heavy equipment to be used during construction. Vehicles and equipment shall be well maintained and free from any type of fluid leaks.
  - 3) Construction schedule.
  - 4) Name(s) of specific individual(s) designated responsible for water pollution, dust and erosion controls on the project site. Include home, business, and cellular telephone numbers, fax numbers, and e-mail addresses.
  - 5) Descriptions of the methods and devices used to eliminate certain pollutants (e.g., wastewater, fuels, solvents, detergents, toxic or hazardous substances) from discharging into state waters and drainage systems, and provide details of BMP(s) to be installed or utilized. Indicate approximate dates when BMP(s) will be installed and removed.
  - 6) Description of maintenance and subsequent removal of BMP(s).
  - 7) Method(s) of removal and disposal of solid and regulated hazardous wastes encountered or generated during construction. The Contractor is advised to procure regulated hazardous materials on an as-needed basis, as feasible. All excess regulated hazardous materials at the conclusion of this project shall remain the property of the Contractor and shall be removed from HDOT Harbors Division property upon the completion of the project.
  - 8) Method(s) of removing and disposing concrete and asphalt pavement cutting slurry, concrete curing water, and hydrodemolition water.

- 9) Method(s) of containing, removing and disposing of demolition dust and debris to minimize the discharge of these pollutants into state waters and drainage systems.
- 10) Spill kit contents and location.
- 11) Fugitive dust control, including dust from grinding, sweeping, or brooming off operations or combination thereof.
- 12) Method(s) of storing and handling of regulated hazardous materials (e.g. oils, paints) and other products used for the project. Safety Data Sheets (SDS) for all regulated hazardous materials used during construction activities shall be kept on-site throughout the duration of the project and readily available upon inspection. All containers of regulated hazardous materials should be provided with secondary containment during storage. Regulated hazardous materials not specifically needed in the execution of this project shall not be brought or stored on site. As feasible, the Contractor is encouraged to use products that do not contain any regulated constituents. The use of green products is encouraged.
- 13) Method(s) of concrete washout/waste control.
- 14) Method(s) of managing material stockpiles to minimize erosion and dust.
- 15) Good housekeeping practices.
  - a) Minimize tracking of sediment offsite from project entrances and exits.
  - b) Litter management. The Contractor shall have a comprehensive housekeeping policy and shall actively enforce housekeeping requirements. Housekeeping items include, but are not limited to, cups, cans, bottles and other forms of lightweight litter, unattended containers of hazardous materials, concrete debris (e.g. dust, chips, and other sweepings), and discarded articles of disposable Personal Protective Equipment (e.g., earplugs, dust masks, and gloves). Employees who are specifically tasked with housekeeping duties shall be identified by name.

- c) The Contractor should provide and maintain covered waste receptacles. No construction debris or other refuse that is generated as a result of project activities is to be disposed in HDOT Harbors Division-owned waste receptacles.
- 16) Provide plan(s)/drawing(s) showing location of followings when applicable:
- a) Boundaries of the property and the locations where construction activities will occur, including:
    - i. Locations where earth-disturbing activities will occur (noting any sequencing of construction activities);
    - ii. Approximate slopes and drainage patterns with flow arrows before and after the construction;
    - iii. Locations where sediment, soil, or other construction materials will be stockpiled;
    - iv. Locations of any contaminated soil or contaminated soil stockpiles;
    - v. Locations of any crossings of state waters;
    - vi. Designated points on the site where vehicle will exit onto paved roads;
    - vii. Locations of structures and other impervious surfaces upon completion of construction; and
    - viii. Locations of construction support activity areas.
  - b) Locations of all state waters, including wetlands and indicate which water bodies are listed as impaired.

- c) The boundary lines of any natural buffers.
  - d) Topography of the site, existing vegetative cover, and features (e.g., forest, pasture, pavement, structures), and drainage pattern(s) of stormwater onto, over, and from the site property before and after major grading activities.
  - e) Stormwater discharge locations, including locations of any storm drain inlets on-site and in the immediate vicinity of the site to receive stormwater runoff from the project; and locations where stormwater will be discharging to state waters (including wetlands).
  - f) Locations of all potential pollutant-generating activities.
  - g) Locations of stormwater control measures; and
  - h) Locations where chemicals will be used and stored.
- 17) Procedures for notification of appropriate facility personnel, emergency response agencies, and regulatory agencies where a leak, spill, or other release containing a hazardous substance or oil in an amount equal to or in excess of a reportable quantity established under either 40 CFR Parts 110, 117, or 302, occurs during a 24-hour period. Contact information must be in locations that are readily accessible and available.
- 18) The Contractor shall date and sign the site-specific BMP Plan.
- b. The Contractor shall keep the accepted Plan on-site or at an easily accessible location throughout the duration of the project. Revisions to the Plan shall be included with the original plan. The Contractor shall obtain written acceptance from the Construction Engineer before revising BMP. An updated Plan shall be kept on-site throughout the remainder duration of the project.

The Contractor shall follow guidelines in the “*The City and County of Honolulu Storm Water Best Management Practice Manual – Construction*,” (dated November 2011) in developing, installing, and maintaining BMP for the project. Additionally, the Contractor shall follow applicable CCH *Rules Relating to Water Quality for all projects at Honolulu, Kalaehoa Barbers Point, and Kahului Harbors*, and use respective Soil Erosion Guidelines for other

Maui, Kauai and Hawaii County projects. Information can be found at the respective County websites.

B. Construction Requirements are as follows.

1. No work shall be allowed to begin until submittals detailed in Subsection 12.4.A.2 – Temporary Water Pollution, Dust, and Erosion Control Submittals are completed and accepted in writing by the Construction Engineer. The Contractor shall prevent pollutants from entering state waters. These efforts shall address areas such as those that drain to water, are over water, or drain to storm drains adjacent and in the area of the project site. The Contractor shall design, operate, implement, and maintain the Plan to ensure that stormwater discharges associated with construction activities will not cause or contribute to a violation of applicable state water quality standards.
2. All projects at Honolulu, Kalaehoa Barbers Point, and Kahului Harbors are subject to HDOT Harbors Division SWMP requirements for construction at those harbors unless the project meets a specified exemption class. The requirements include, but are not limited to, construction site BMP initial, recurring (i.e. every two weeks from October through March and every two months otherwise), and final inspections at the frequencies outlined in the SWMP. No grading or land disturbance activities are allowed until the initial BMP inspection is completed and required BMPs are found to be properly installed.
3. Address all comments received from the Construction Engineer.
4. Modify and resubmit plans and construction schedules to correct conditions that develop during construction which were unforeseen during the design and pre-construction stages.
5. Coordinate temporary control provisions with permanent control features throughout the construction and post-construction period.
6. BMP shall be in place and operational until the construction is completed and accepted by Harbors.
7. Install and maintain either or both stabilized construction entrances and wheel washes to minimize tracking of dirt and mud onto roadways. Restrict traffic to stabilized construction areas only. Clean dirt, mud, or other material tracked onto the road immediately. Modify stabilized construction entrances to prevent mud from being tracked onto roadways.
8. Chemicals may be used as soil stabilizers for either or both erosion and dust control if acceptable to the Construction Engineer.

9. Cover exposed surface of materials completely with tarpaulin or similar device when transporting aggregate, soil, excavated material or material that may be a source of fugitive dust.
  10. Clean up and remove any pollutant that can be attributed to the Contractor.
  11. Install or modify BMP due to change in the Contractor's means and methods, or for omitted condition that should have been allowed for in the accepted site-specific BMP Plan or a BMP that replaces an accepted site-specific BMP that is not satisfactorily performing.
  12. Properly maintain BMP.
  13. Remove, replace or relocate any BMP that must be removed, replaced or relocated due to potential or actual flooding, or potential danger or damage to the project or public.
  14. The Contractor's designated representative specified in Subsection 12.4.A.2.a.4 shall address any BMP concerns brought up by the Construction Engineer within 24 hours of notification, including weekends and holidays. Should the Contractor fail to satisfactorily address these concerns, the Construction Engineer reserves the right to employ outside assistance or use the Construction Engineer's own labor forces to provide necessary corrective measures. The Construction Engineer will charge the Contractor such incurred costs plus any associated project engineering costs. The Construction Engineer will make appropriate deductions from the Contractor's monthly progress estimate. Failure to apply BMP shall result in either or both the establishment and increase in the amount of retainage due to unsatisfactory progress or withholding of monthly progress payment. Continued failure to apply BMP may result in one or more of the following: The Contractor being fully responsible for all additional costs incurred by HDOT Harbors Division including any fines levied by HDOH, suspension of the Contract, or cancellation of the Contract.
- C. Hydrotesting Activities. If work includes removing, relocation or installing waterlines, and the Contractor elects to flush waterline or discharge hydrotesting effluent into state waters or drainage systems, obtain a Notice of General Permit Coverage (NGPC) authorizing discharges associated with hydrotesting waters from the HDOH Clean Water Branch (CWB). If a permit is required, prepare and submit permit application (CWB-Notice of Intent (NOI) Form F) to the HDOH CWB.

Do not begin hydrotesting activities until the HDOH CWB has issued a NGPC. Hydrotesting operations shall be in accordance with conditions in the NGPC. Submit a copy of the NPDES Hydrotesting Waters Application and Permit to the Construction Engineer.

- D. Dewatering Activities. If excavation of backfilling operations requires dewatering, and the Contractor elects to discharge dewatering effluent into state waters or existing drainage systems, the Contractor shall obtain an NGPC authorizing discharges associated with construction activity dewatering from the HDOH CWB. If a permit is required, prepare and submit permit application (CWB-NOI Form G) to the HDOH CWB.

Do not begin dewatering activities until the HDOH-CWB has issued an NGPC. Conduct dewatering operations in accordance with the conditions in the NGPC. Submit a copy of the NPDES Dewatering Application and Permit to the Construction Engineer.

12.5 PAYMENT – Payment for Temporary Water Pollution, Dust, and Erosion Control shall not be measured and paid for separately but shall be considered incidental to the applicable items described in Article X of these Specifications.

No progress payment will be authorized until the Construction Engineer accepts in writing the site-specific BMP Plan or when the Contractor fails to maintain the project site in accordance with the accepted BMP Plan.

The Contractor shall reimburse the State of Hawaii within 30-day for the full amount of all outstanding costs incurred by the State of Hawaii for all citations or fines received as a result of the Contractor's non-compliance with regulations.

## ARTICLE XIII – FENDER SYSTEM REPAIRS

### 13.1 GENERAL

- A. Work under this Article includes furnishing all labor, materials and equipment necessary to replace a portion of the timber fender system as shown on the drawings. Concrete spall repairs in the vicinity on the pier substructure and on corbels shall be repaired per Article XIV.
  
- B. In general, the work includes, but is not necessarily limited to the following:
  - 1. Replacing the entire existing fender system at select locations including removing and disposing of the existing fender system, furnishing and installing all tire fenders, vertical lagging, wales, blocking, bolts, hardware as shown on the plans.
  
  - 2. Replacing existing tire fenders at select locations including removing and disposing of existing tire fenders, furnishing and installing tire fenders, cables and hardware as shown on the plans. Tire fender quantity in the Proposal Schedule includes a minimum of 5 extra tire fenders and hardware to be delivered to the project site and installation is not required.
  
  - 3. Replacing vertical lagging at select locations including removing and disposing of existing lagging furnishing and installing all vertical lagging and hardware as shown on the plans. Vertical lagging quantity in the Proposal Schedule includes a minimum of 5 extra lagging members and hardware to be delivered to the project site and installation is not required.
  
- C. All work shall be in accordance with the following sections of the Standard Specifications except as modified or supplemented herein:

Section 202 Removal of Structures and Obstructions  
Section 502 Timber Structure  
Section 714 Structural Timber and Related Materials

Sections on Materials referenced in the above sections are hereby incorporated.

### 13.2 GENERAL REQUIREMENTS

- A. The provisions of Section 202 “Removal of Structures and Obstructions” of the Standard Specifications shall apply except as hereinafter modified.
  
- B. Reference to “highway” in this section means “harbor facilities”.

### 13.3 MATERIALS

- A. Preservative Treatment – Lumber shall be Chemonite ACZA pressure-treated coastal Douglas Fir conforming with standard grading and dressing rules of the West Coast Lumber Bureau (WCLB).
- B. Timber – Structural members shall be rough sawn lumber Grade No. 1 or better.
- C. Structural Steel – Structural steel shapes shall conform to ASTM A36 unless noted otherwise. All structural steel shall be hot dipped galvanized according to ASTM A123, unless noted otherwise.
- D. Connections – Plates, bolts and screws for new connections shall be hot-dipped galvanized unless noted otherwise. All bolts shall have a flat washer at bolt head and O.G. washers at nut end. Lag screws have a rounded head. Install per manufacturers recommendations.
- E. Tires – Tires for the new fender systems shall match the existing tire fenders and as shown on the plans.

### 13.4 CONSTRUCTION METHODS

- A. Phasing of Work – The Contractor shall phase the work to minimize shutdown of existing mooring bollards, work around fuel barge and tenant operations and maintain a travel lane An existing bollard shall not be used when concrete repair work is performed in the bays adjacent to the bollard. Bollards shall not be put back into use until the repair concrete has been allowed to cure for 7 days.
- B. Demolition
  - 1. Dust Control. Take appropriate action to check the spread of dust and to avoid the creation of nuisance in the surrounding area. Provide barriers, dust screens, tarpaulins or similar action as necessary to comply with all dust regulations imposed by local air pollution agencies.
  - 2. The Contractor shall take precautions to prevent damage to items indicated to remain. The Contractor shall repair any damage to items indicated to remain at no cost to the State. **Properly salvage any items as directed by Harbors.**
  - 3. Contractor shall remove the existing fender system as shown on the plan including all existing bolts and anchors. Removed material shall be disposed of away from the project site in a lawful manner at no cost to the State. The Contractor will not be allowed to deposit removed material into State waters or rubbish bins.

4. Survey for Hazardous Areas – The Contractor shall survey the entire area around the project site to ensure that no hazardous vapors are present. The Contractor shall certify in writing that the project site shall be safe for hot work and free of hazardous vapor. No open flame, hot cutting, welding or other hot work will be permitted without the certification.
- C. After removal of the existing fender system, the Contractor shall clean, grease and service the existing spring assemblies. Servicing of spring assemblies shall include replacing springs and cap screws, and cleaning rust from existing cast iron socket and reinstallation.
- D. General – Erect timber framing true and plumb. Provide temporary bracing to maintain lines and levels until permanent supporting members are in place. Handle and temporarily support heavy timber to prevent surface damage, compression, and other effects that might interfere with indicated finish.
- E. Fit timber framing by cutting and restoring exposed surfaces to match specified surfacing. Pre-drill for fasteners and assembly of units.
  1. Machine sand exposed surfaces to remove planing or surfacing marks, finishing with No. 120 grit sandpaper.
  2. Coat crosscuts with end sealer.
  3. Where treated members must be cut during erection, apply a field-treatment preservative per manufacturer's recommendations.
- F. Cutting - Avoid extra cutting after fabrication. Where field fitting is unavoidable, comply with requirements for shop fabrication.
- G. Install connections, anchors, and accessories as indicated on the drawings.
- H. Adjustments and Cleaning – Repair damaged surfaces and finishes after completing erection. Replace damaged heavy timber if construction is not acceptable to the Harbors Construction Engineer.
- I. Final Adjustment of Fenders – Final adjustments (if any) required to fit the fenders snugly against the exterior face shall be made by the Contractor at his expense and to the satisfaction of the Harbors Construction Engineer. All fender adjustments shall be made prior to the final acceptance of the contract by the State.

13.5 PAYMENT - Payment for fender system repairs shall be made as described in Article X of these Specifications.

## ARTICLE XIV – CONCRETE REPAIR WORK

### 14.1 GENERAL

- A. Work under this Article includes furnishing all labor, materials and equipment necessary to repair spalled concrete on the pier substructure.
- B. In general, the work includes, but is not necessarily limited to the following:
  - 1. Sounding concrete to determine extent of concrete spall repairs.
  - 2. Removal of concrete surrounding reinforcing steel in repair areas.
  - 3. Preparing concrete repair area.
  - 4. Replacing severely corroded reinforcing steel with replacement reinforcing steel at spall repairs.
  - 5. Installing new reinforcing steel.
  - 6. Cleaning reinforcing steel and applying reinforcing steel coating.
  - 7. Installing and removing formwork.
  - 8. Placing concrete or patching compound.
  - 9. Temporarily supporting existing utilities and related appurtenances under the pier as required.
- C. All work shall be in accordance with the following sections of the Standard Specifications except as modified or supplemented herein:

Section 503 Concrete Structures  
Section 601 Structural Concrete  
Section 602 Reinforcing Steel  
Section 711 Concrete Curing Materials and Admixtures

Sections on Materials referenced in the above sections are hereby incorporated.

### 14.2 MATERIALS

- A. Concrete
  - 1. Concrete shall be Class  $f'c = 5,000$  psi conforming to Section 601 “Structural Concrete” of the Standard Specifications.

2. Maximum aggregate size shall be 3/8 inches and shall be coordinated with concrete preparation procedures for spall repairs.
- B. Admixture - Admixture to be used in the concrete shall be approved by the Harbors Construction Engineer and shall conform to Section 711 of the Standard Specifications. Contractor shall strictly adhere to the manufacturer's recommendations regarding the use of admixtures including storage, transportation and method of mixing.

CORTEC MCI 2005NS migrating corrosion inhibiting admixture manufactured by Cortec Corporation or approved equal shall be added at the following rate and as recommended by the manufacturer.

CORTEC MCI 2005NS: 1.5 pints per cubic yard of concrete

To combat climate change and reduce the concrete carbon footprint, supplementary cementitious material(s) shall be used to reduce the cement content in the concrete for this project. The following supplementary cementitious material shall be substituted for cement by weight at the following rate and as recommended by the concrete supplier.

Silica Fume: 10% of cement by weight

The maximum water to cementitious materials ratio shall be 0.40 and the mix water shall be reduced as necessary to account for the admixture.

- C. Reinforcing Steel for Weld Splicing - Reinforcing for weld splicing shall be ASTM A706 Grade 60.
- D. Welds - Welding electrodes shall be low hydrogen E70.
- E. Reinforcing Steel Anti-Corrosion Coating – Anti-corrosion coating with a minimum 7 day open time for reinforcing steel shall be Sika Armatec 110 Epocem by Sika, or approved equal.
- F. Epoxy Grout - Epoxy for grouting of dowels shall be Set 3G by Simpson Strong-Tie, or approved equal.
- G. Patching Compound for form and pour repairs shall be Sikacrete 211 SCC Plus by Sika, or approved equal.
- H. Patching Compound for repairing vertical repairs in lifts shall be Sikaquick VOH with Later R by Sika, or approved equal.
- I. Curing Compound for concrete repairs shall be acceptable to the Harbors Construction Engineer.
- J. Forms shall conform to Section 503.03.C “Forms” of the Standard Specifications.

- K. Snap ties and inserts shall be plastic or stainless steel. All loose reinforcing steel shall be secured with ties at all intersections with adjacent reinforcing steel.

### 14.3 CONSTRUCTION METHODS

- A. Concrete construction shall conform to the American Concrete Institute (ACI) ACI 318R and ACI 546R-14.
- B. Surface preparation for spall repair work shall follow the International Concrete Repair Institute (ICRI) Guideline No. 310.1R-2008. The sizes, locations and types of repair work specified on the drawings are intended to be approximate only. The actual amount and type of repair work to be done shall be determined after completion of the removal work. Removal and surface preparation shall be performed in the order listed below.
  - 1. All visible loose and deteriorated concrete shall be removed with suitable pneumatic or hand tools until only sound concrete remains.
  - 2. Such chipped areas and adjoining areas shall be further sounded by tapping with a light hammer. Areas emitting a hollow sound indicating unsound and delaminated concrete with voids shall be further chipped to sound concrete and beyond the extent of the corroded reinforcing.
  - 3. Partially exposed reinforcing steel or steel exposed during the concrete chipping process shall be fully exposed throughout their length within the repair area. There shall be a minimum of 3/4 inch of clear distance between the reinforcing steel and the chipped surface of the existing concrete for placing patching compound or concrete.
  - 4. The edges of the repair shall be saw-cut and chipped as necessary to attain a minimum repair material depth of 3/4 inch and to prevent featheredge conditions.
  - 5. The existing concrete in the repair areas shall be chipped to approximate rectangular dimensions to facilitate the repair work.
  - 6. The patch area shall be cleaned of all dust and debris just prior to patching with high pressure, oil-free compressed air with appropriate PPE's and containment.
- C. Live Load Limitation
  - 1. Any element being repaired shall not be subjected to live loads during the period starting from the removal of existing concrete until the repair concrete has been allowed to cure for 7 days or obtained a minimum compressive strength of  $f'c = 4,000$  psi.

2. Mooring bollards shall be shut down when spall repair work is performed in the vicinity of the bollards. See Article X for additional information.
  3. The repair area shall remain barricaded with barriers visible at night from traffic during this period. The Contractor shall provide shoring for severely spalled areas as necessary to prevent damage or collapse.
- D. Cleaning Reinforcing Steel - All exposed concrete and reinforcing steel in the repair area shall be needle gunned to remove all scale, loose rust, debris and other bond-inhibiting materials. Any areas not patched more than 48 hours after cleaning shall be recleaned.
- E. Replacing Reinforcing Steel - All existing reinforcing bars with less than 80% of their cross-section remaining after cleaning shall be supplemented with welded reinforcing as shown on the plans. Replacement reinforcing steel will be measured by the pound, complete in place. The theoretical unit weight of each size of reinforcing bar used will be based upon Table 602.04-1 of the Standard Specifications.
- F. Welding Reinforcing Steel - All welding shall conform to AWS D1.4. All existing bars to be welded with a carbon equivalent (C.E.) above 0.55 percent shall be preheated according to the requirements set forth in AWS D1.4. If the C.E. is unknown, maximum preheat requirements for an assumed C.E. greater than 0.75 percent shall be used.

The Contractor shall survey the entire area around the project site to ensure that no hazardous vapors are present. The Contractor shall certify in writing that the project site shall be safe for hot work and free of hazardous vapor. No open flame, hot cutting, welding or other hot work will be permitted without the certification.

- G. Reinforcing Steel Coating - All exposed steel shall be liberally coated with anti-corrosion coating per manufacturer's recommendations.
- H. Epoxy Grouting - Blow holes completely clean of all concrete debris to allow for adequate bonding of the epoxy. The holes shall be filled with epoxy gel before inserting and turning the supplemental reinforcement to displace the grout.
- I. Photographs – The Contractor shall provide digital photographs of substructure spall repairs to the Harbors Construction Engineer for their review. Photos shall be in color and taken with a digital camera having a 6.0 mega pixel resolution or higher. Each photo shall be identified with the time, date, and location referenced to the plans.

The Contractor shall provide one set of photos per 25 square feet of spall repairs. A set of photos shall contain at least two photos for each of the procedures listed below.

1. Existing condition of concrete repair.
2. After all removal of existing concrete has been completed, including spalled and delaminated concrete, concrete surrounding reinforcing steel in repair areas, and sawcut and chipped out concrete at the perimeter of the repair.
3. After cleaning of the reinforcing steel.
4. After replacing severely corroded steel with weld spliced reinforcing steel.
5. After installing replacement reinforcing steel.
6. After applying reinforcing steel coating.
7. After formwork has been installed.
8. After forms have been removed, or concrete has cured for at least 3 days.

The photos shall be taken on the same day that the procedure has been completed and shall clearly represent typical details of the completed procedure. The photos shall also be emailed to the Harbors Construction Engineer on the same day that the photos were taken. Additionally, one set of 4" x 6" sized prints shall be delivered to the Harbors Construction Engineer at the completion of the project.

- J. Formwork - Formwork shall be installed in accordance with Section 503.03.C - "Forms" of the Standard Specifications. The exact method of formwork requires the Harbors Construction Engineer's approval. Forms shall be designed to provide a minimum of three (3) inches of concrete cover over all reinforcing steel, unless noted otherwise. All edges of concrete repairs shall be chamfered and existing joints shall be maintained.
- K. Placing Concrete - Concrete shall be placed in accordance with Section 503.03 - "Construction" of the Standard Specifications. All repair surfaces including forms shall be thoroughly washed with clean water and remain in a saturated surface dry condition prior to placing concrete. Surfaces shall be clean and free of loose and other bond-inhibiting materials. The repair concrete shall be vibrated, rodded or tamped during placement to consolidate the pour and fill all corners of the patch or form and beneath the reinforcing. As an alternate self-consolidating concrete maybe used. There shall be no cold joints in the field of the repair.
- L. Patching Compound - Patching compound shall be used only to fill minor spalls and voids and to fill minor depressions such as those caused by the installation of expansion anchors used for formwork support. The Contractor shall follow the manufacturer's recommendations for mixing and placing patching compound, including application of a slurry coat to prime the substrate and application of the repair material in lifts.

- M. Finish - Concrete finish shall be Class I - Ordinary Surface Finish as specified in Section 503.03.M.1 of the Standard Specifications. Provide smooth finish on pier decks for all holes patched. Cementitious compound used to patch holes shall be finished to the level of the concrete surface. Remaining void in asphalt topping pavement shall be filled with asphalt to match existing elevation and composition.
- N. Formwork Removal - Formwork for all repairs shall not be removed for a minimum of 24 hours and until concrete has obtained a minimum compressive strength of  $f'c = 4,000$  psi.
- O. Concrete Curing - Concrete repairs on the underside of the pier shall be cured a minimum 7 days by leaving the forms in place or covering the surface with a curing compound approved by and acceptable to the Harbors Division Construction Engineer.
- P. Identifying Repairs - Identify all repair work with paint unless visible from the pier exterior. The color and marking for identification shall be a minimum 6 inch in height and black stenciling unless otherwise directed by the Harbors Construction Engineer.
- Q. Defective Work - After forms have been removed, the repaired area shall be tested by tapping with a hammer. Any "hollow" sound emitted shall indicate the presence of voids and shall be sufficient cause for removal of repair work and reconstruction. The method of repairing defects shall be subject to the approval of the Harbors Construction Engineer. All defects shall be corrected by the Contractor at no additional cost to the State.

14.4 PAYMENT - Payment for concrete repair work shall be made as described in Article X of these Specifications.

## ARTICLE XV – STAIR REPAIRS

15.1 GENERAL – The work to be done under this Article consists of furnishing all labor, materials and equipment necessary to replace the stairs and guardrails as shown on the project plans.

- A. In general, the work includes, but is not necessarily limited to the following:
  - 1. Demolish, haul and dispose of existing stairs and related appurtenances. Properly salvage any items as directed by Harbors.
  - 2. Furnish and install new stairs, guardrails, connections, and related appurtenances.
- B. All work shall be in accordance with the following sections of the Standard Specifications except as modified or supplemented herein:

Section 202 Removal of Structures and Obstructions  
Section 501 Steel Structures

Sections on Materials referenced in the above sections are hereby incorporated.

## 15.2 MATERIALS

- A. Structural Steel
  - 1. Structural steel shall be Type 316 stainless steel, unless otherwise noted.
  - 2. Bolts shall conform to ASTM F593, Type 316, stainless steel, unless otherwise noted.
  - 3. Welding electrodes shall be E70xx.
- B. Epoxy Grout - Epoxy for grouting of anchor bolts shall be Set 3G by Simpson Strong-Tie, or approved equal.
- C. Non-Shrink Grout – Non-shrink grout to be installed under base plates shall be a premixed non-metallic formula, capable of developing a minimum compressive strength of 3,000 psi in 1 day and 5,000 psi in 28 days.
- D. Metal Grating – Metal grating shall be 1-1/4”x3/16” 15 space Type 316 stainless steel bar grating.

### 15.3 CONSTRUCTION METHODS

- A. Demolition and Removal of Existing Stairs
1. The Contractor shall remove the existing stairs as shown on the plan. Removed material shall be disposed of away from the project site in a lawful manner at no cost to the State. The Contractor will not be allowed to deposit removed material into State waters or rubbish bins.
  2. Survey for Hazardous Areas – The Contractor shall survey the entire area around the project site to ensure that no hazardous vapors are present. The Contractor shall certify in writing that the project site shall be safe for hot work and free of hazardous vapor. No open flame, hot cutting, welding or other hot work will be permitted without the certification.
- B. Concrete Spall Repair – Repair concrete spalls prior to installation of stairs per Article XIV. Areas shall be confirmed with the Harbors Construction Engineer.
- C. Structural Steel
1. Fabrication and erection of structural steel shall conform to The American Institute of Steel Construction Manual of Steel Construction, Fifteenth Edition.
  2. Welds and welding procedures shall conform to the structural welding code AWS D1.1 and D1.6 of the American Welding Society.
  3. Welding shall be performed by welders prequalified for welding procedures to be used.
- D. Epoxy Grouting – Blow holes completely clean of all concrete debris to allow for adequate bonding of the epoxy. The holes shall be filled with epoxy gel before inserting and turning the anchor bolts to displace the grout.
- E. Installation
1. The new stairs and guardrails shall be properly installed in accordance with the drawings.
  2. Base plates for the guardrails shall be set on a bed of non-shrink grout. The grout shall be finished in such a manner as to prevent water from seeping under the base plate.
- F. Guardrail Painting – The guardrail shall be painted as described in Article XVI of these specifications.

G. Clean-Up

1. The Contractor shall maintain the job site in a neat and orderly condition during the progress of the work. Upon completion, the Contractor shall remove all surplus material, debris, equipment, tools, etc. belonging to it and leave the premises in a neat and orderly condition.

15.4 PAYMENT - Payment for stair repairs shall be made as described in Article X of these Specifications.

## ARTICLE XVI - GUARDRAIL PAINTING

16.1 GENERAL – Work under this Article includes furnishing all labor, materials, and equipment necessary to prepare and paint all surfaces of the guardrail.

16.2 MATERIALS – All paints shall be delivered to the site in the manufacturer’s sealed containers. Each container shall be labeled by the manufacturer with the label showing the name, brand, type of paint, color of paint, and the manufacturer’s instructions for reducing consistency. The painting materials shall be the following or approved equal.

- A. High Solids Epoxy Coating – High Solids Epoxy Coating shall be Amerlock 400 manufactured by PPG Protective and Marine Coatings or approved equal.
- B. Engineered Siloxane Coating – Engineered Siloxane Coating shall be PSX 700 manufactured by PPG Protective and Marine Coatings or approved equal.

The color of the finish paint for the guardrail shall be OSHA yellow as approved by the Harbors Construction Engineer.

### 16.3 CONSTRUCTION METHODS

- A. Surface Preparation
  - 1. Surfaces to be painted shall be prepared per manufacturer’s instructions. All methods and procedures shall comply with OSHA and HIOSH requirements and be approved by the Construction Engineer.
  - 2. All surfaces must be dry, clean, free of oil, grease, dust, wax, soaps, powdery residue, form release agents, curing compounds, laitance, and other foreign matter and be structurally sound. Remove all paint, mortar splatter, mill scale and rust. Round off welds and sharp edges and remove weld splatter.
- B. Paint Application
  - 1. All surfaces to be painted shall be properly prepared prior to painting and shall be inspected for approval by the Harbors Division Construction Engineer before painting will be allowed.
  - 2. All surfaces of the guardrail including the base plates shall be painted.
  - 3. Apply two (2) coats of Amerlock 400 at a dry film thickness of 4-6 mils per coat and one (1) coat of PSX 700 at a dry film thickness of 5-7 mils.
  - 4. The prime coat shall be applied on the same day that the surface is prepared. It may take more than a single application to obtain the required

thickness. If a coat requires more than a single application, it shall be done no later than the following day.

5. Field coating shall be applied by brush.
6. The time interval between each coat of paint shall be at least 24 hours. Each coat shall be of a lighter color than the later coat to be painted upon it.
7. Finish work shall be uniform and of approved color. The finish shall completely cover, be smooth and be free from runs, sags, drips, waves, laps or brush marks. Edges of paint shall be sharp and clean without overlapping.
8. Paint shall be allowed to cure completely. Any marred surfaces or damages to the paint finish shall be corrected by proper preparation and repainting.

C. Clean Up

1. All paint, oil, etc. shall be cleaned off the pavement, concrete, stairs, or any portion of the pier where paint has splashed or been spilled. The Contractor shall take precautions to prevent paint from being splashed on equipment, vehicles, or cargo in the project area.
2. All unused rags, waste and empty containers shall be removed from the work area at the end of each work day and precautions shall be taken to avoid the danger of fire.
3. The Contractor shall maintain the job site in a neat and orderly condition during the progress of the work. Upon completion, the Contractor shall remove all surplus material, debris, equipment, tools, etc. belonging to it and leave the premises in a neat and orderly condition.

16.4 PAYMENT – Payment for guardrail painting shall not be measured and paid for separately but shall be considered incidental to the applicable items described in Article X of these Specifications.

## ARTICLE XVII – PLUMBING WORK

### 17.1 DESCRIPTION OF WORK

- A. This section covers the complete and proper removal of existing waterline and related appurtenances; proper salvaging of any items as directed by Harbors; and furnishing, delivery and proper installation of the new waterline and hose bibb system complete, including but not limited to the following:
  - 1. Domestic cold water piping and related appurtenances;
  - 2. Hose bibb and related appurtenances.

### 17.2 SUBMITTALS

- A. Product Data: Submit manufacturer's current product data, specifications, and installation instructions for each plumbing material and accessory.
- B. Samples: Submit when requested, full-size samples of units for review of finishes. Acceptable samples will be returned and may be used in the work. Compliance with all other requirements is the exclusive responsibility of the Contractor.

### 17.3 CODES, STANDARDS, REGULATIONS

- A. Installation of all work in this Section shall be made in accordance with the Uniform Plumbing Code and International Building Code, including all amendments as adopted by the County of Kauai.
- B. All applicable codes, regulations and ordinances of public bodies having jurisdiction are considered a part of these specifications; all work installed, and materials provided must comply with the current edition of such codes, regulations and ordinances.
- C. Present to the Construction Engineer certificates of inspection and acceptance from proper authorities.

### 17.4 CONTRACT DRAWINGS

- A. Contract drawings are essentially diagrammatic, indicating general layout and approximate locations toward establishing the scope for uniform estimating basis for all bidders. They are not intended to be detailed construction working drawings. Equipment, ductwork and piping arrangements shall fit into space allotted and shall allow adequate clearances for servicing and maintenance. Reasonable modifications to indicated locations and arrangement to suit job conditions shall not constitute basis for requesting additional funds from the State.

- B. Verification of Dimensions: The Contractor shall be responsible for the coordination and proper relation of this work to the building structure and to the work of all trades. The Contractor shall visit the premises and thoroughly familiarize himself with all details of the work and working conditions, to verify all dimensions in the field, and to advise the Construction Engineer of any discrepancy before performing any work.

## 17.5 MATERIALS

- A. Piping and Accessories: All materials shall be new, of equal or better quality of materials specified, and approved by the Harbors Construction Engineer. For ease of maintenance and parts replacement, select equipment from a single manufacturer as much as possible.
  - 1. Above Grade Domestic Water Piping: Piping shall be Type "K" seamless rigid copper tubing conforming to ASTM B88 with wrought copper or cast copper alloy solder type fittings conforming to ANSI B16.22 or ANSI B16.18. Solder shall be 95-5 tin-antimony or approved equal.
  - 2. Couplings, straps, and fittings: Couplings, straps, pipe fittings, all the support hardware, unistruts, supports, nails, bolts, washers, and nuts shall be Type 316 stainless steel and in compliance with the requirements specified for the pipe. Provide dielectric union or separation at all dissimilar metals. Wrap pipe or tubing with 1/4-inch thick felt secured with tape, where they contact other materials.
- B. Plumbing Fixtures:
  - 1. All exposed piping at fixtures and equipment shall be chrome plated.
  - 2. Hose Bibb (HB): Chicago No. 998 rough chrome sill faucet with integral vacuum breaker, 3/4" hose thread outlet, lock shield cap, with loose key tee handle and 1/2" I.P.S. female inlet. Chicago No. 1771 built-in chrome plated straightway loose key shutoff valve with 1/2" I.P.S. female inlet and outlet and wall flange.

## 17.6 PIPE INSTALLATION

- A. Concrete slabs and columns disrupted under this project's scope of work shall be repaired to match existing adjacent surface, including sloping or other definable features.
- B. Pipe shall be carefully handled during hauling, unloading, and placing operations, so as to avoid breakage or damage. Strap-type slings shall be used for lifting and placing; no chains or hooks will be permitted. Broken or damaged pipe will be rejected, and shall be removed from the work site.

- C. Before each new length of pipe is placed, the interior of the preceding pipe shall be carefully cleaned of all dirt and debris. When pipe laying is not in progress, all open pipe ends shall be closed with plugs.
- D. At the end of each day and when work is not in progress, the open end of pipes and fittings installed in the line shall be closed with plugs and openings for appurtenances shall be suitably covered, to prevent accumulating obstructions in same.
- E. Conform to the requirements of the Uniform Plumbing Code and all manufacturer's recommendations. Inspect all pipes inside and outside. Remove interior obstructions and ream out pipe ends. Tool markings on polished fittings are not acceptable. Cut pipe accurately so that it can be worked into place without springing or forcing. Install pipes parallel to the wall of the structure and plumb. Make changes in direction with fittings. Bushings are not permitted. Pull-tees are not permitted. Install valves with stems above horizontal. Provide proper support and adequate provisions for expansion, contraction, slope and anchorage. Provide dielectric unions or separation at all dissimilar metals. Wrap pipe or tubing with 1/4-inch thick felt, secured with tape, where they contact other materials. Have piping treated, inspected and approved before it is furred in, buried or otherwise hidden.

#### 17.7 CLEANUP AND REPAIRS

- A. Debris shall not be allowed as a result of this work. Upon completion of this work, remove all debris and excess materials, tools, etc., resulting from this work from the jobsite and leave the locations of this work broom-clean and in acceptable manner as approved by the State.
- B. All surfaces damaged by this project's renovation work shall be repaired and restored to match the existing adjacent surfaces. Painted finishes shall be repainted with matching paint type of identical color and sheen. Tiled surfaces shall be replaced with new tiles and grout that are identical to the existing.
- C. All equipment piping, and lines shall be thoroughly cleaned before leaving the work.

17.8 PAYMENT - Payment for Plumbing Work shall be made as specified in Article X of these Specifications.

ARTICLE XVIII - PROJECT PHOTOGRAPHS



Photo 1: Project Site



Photo 2: Pier Topside



Photo 3: Fender System



Photo 4: Stairs to be Replaced



Photo 5: Fender System and Waterline

## **Requirements of Chapter 104, HRS Wages and Hours of Employees on Public Works Law**

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Chapter 104, HRS, applies to every public works construction project over \$2,000, regardless of the method of procurement or financing (purchase order, voucher, bid, contract, lease arrangement, warranty, SPRB).

### **Rate of Wages for Laborers and Mechanics**

- Minimum prevailing wages (basic hourly rate plus fringe benefits), as determined by the Director of Labor and Industrial Relations and published in wage rate schedules, shall be paid to the various classes of laborers and mechanics working on the job site. [§104-2(a), (b), Hawaii Revised Statutes (HRS)]
- If the Director of Labor determines that prevailing wages have increased during the performance of a public works contract, the rate of pay of laborers and mechanics shall be raised accordingly. [§104-2(a) and (b), HRS; §12-22-3(d) Hawaii Administrative Rules (HAR)]

### **Overtime**

- Laborers and mechanics working on a Saturday, Sunday, or a legal holiday of the State or more than eight hours a day on any other day shall be paid overtime compensation at not less than one and one-half times the basic hourly rate plus the cost of fringe benefits for all hours worked. If the Director of Labor determines that a prevailing wage is defined by a collective bargaining agreement, the overtime compensation shall be at the rates set by the applicable collective bargaining agreement [§§104-1, 104-2(c), HRS; §12-22-4.1, HAR]

### **Weekly Pay**

- Laborers and mechanics employed on the job site shall be paid their full wages at least once a week, without deduction or rebate, except for legal deductions, within five working days after the cutoff date. [§104-2(d), HRS]

### **Posting of Wage Rate Schedules**

- Wage rate schedules with the notes for prevailing wages and special overtime rates, shall be posted by the contractor in a prominent and easily accessible place at the job site. A copy of the entire wage rate schedule shall be given to each laborer and mechanic employed under the contract, except when the employee is covered by a collective bargaining agreement. [§104-2(d), HRS]

### **Withholding of Accrued Payments**

- If necessary, the contracting agency may withhold accrued payments to the contractor to pay to laborers and mechanics employed by the contractor or subcontractor on the job site any difference between the wages required by the public works contract or specifications and the wages received. [§104-2(e), HRS]

### **Certified Weekly Payrolls and Payroll Records**

- A certified copy of all payrolls shall be submitted weekly to the contracting agency. [§104-3(a), HRS; §12-22-10, HAR]
- The contractor is responsible for the submission of certified copies of the payrolls of all subcontractors. The certification shall affirm that the payrolls are correct and complete, that the wage rates listed are not less than the applicable rates contained in the applicable wage rate schedule, and that the classifications for each laborer or mechanic conform with the work the laborer or mechanic performed. [§104-3(a), HRS; §12-22-10, HAR]
- Payroll records shall be maintained by the contractor and subcontractors for three years after completion of construction. The records shall contain: [§104-3(b), HRS; §12-22-10, HAR]
  - the name and home address of each employee
  - the last four digits of social security number
  - a copy of the apprentice's registration with DLIR
  - the employee's correct classification
  - rate of pay (basic hourly rate + fringe benefits)
  - itemized list of fringe benefits paid
  - daily and weekly hours worked
  - weekly straight time and overtime earnings
  - amount and type of deductions
  - total net wages paid
  - date of payment
- Records shall be made available for examination by the contracting agency, the Department of Labor and Industrial Relations (DLIR), or any of its authorized representatives, who may also interview employees during working hours on the job. [§§104-3(c), 104-22(a), HRS; §12-22-10, HAR]

## Termination of Work on Failure to Pay Wages

- If the contracting agency finds that any laborer or mechanic employed on the job site by the contractor or any subcontractor has not been paid prevailing wages or overtime, the contracting agency may, by written notice to the contractor, terminate the contractor's or subcontractor's right to proceed with the work or with the part of the work in which the required wages or overtime compensation have not been paid. The contracting agency may complete this work by contract or otherwise, and the contractor or contractor's sureties shall be liable to the contracting agency for any excess costs incurred. [§104-4, HRS]

## Apprentices

- Apprentice wage rates apply to contractors who are a party to a bona fide apprenticeship program which has been registered with the DLIR. In order to be paid apprentice rates, apprentices must be parties to an agreement either registered with or recognized as a USDOL nationally approved apprenticeship program by the DLIR, Workforce Development Division, (808) 586-8877, and the apprentice must be individually registered by name with the DLIR. [§12-22-6(1) and (2), HAR]
- The number of apprentices on any public work in relation to the number of journeyworkers in the same craft classification as the apprentices employed by the same employer on the same public work may not exceed the ratio allowed under the apprenticeship standards registered with or recognized by the DLIR. A registered or recognized apprentice receiving the journeyworker rate will not be considered a journeyworker for the purpose of meeting the ratio requirement. [§12-22-6(3), HAR]

## Enforcement

- To ensure compliance with the law, DLIR and the contracting agency will conduct investigations of contractors and subcontractors. If a contractor or subcontractor violates the law, the penalties are: [§104-24, HRS]
  - First Violation Equal to 25% of back wages found due or \$250 per offense up to \$2,500, whichever is greater.
  - Second Violation Equal to amount of back wages found due or \$500 for each offense up to \$5,000, whichever is greater.
  - Third Violation Equal to two times the amount of back wages found due or \$1,000 for each offense up to \$10,000, whichever is greater; and  
**Suspension** from doing any new work on any public work of a governmental contracting agency for three years.
- A violation would be deemed a second violation if it occurs within two years of the **first notification of violation**, and a third violation if it occurs within three years of **the second notification of violation**. [§104-24, HRS; §12-22-25(b), HAR]
- **Suspension:** For a first or second violation, the department shall immediately suspend a contractor who fails to pay wages or penalties until all wages and penalties are paid in full. For a third violation, the department shall penalize and suspend the contractor as described above, **except that if the contractor continues to violate the law, then the department shall immediately suspend the contractor for a mandatory three years. The contractor shall remain suspended until all wages and penalties are paid in full.** [§§104-24, 104-25, HRS]
- **Suspension:** Any contractor who fails to make payroll records accessible or provide requested information within 10 days, or fails to keep or falsifies any required record, shall be assessed a penalty including suspension as provided in Section 104-22(b) and 104-25(a)(3), HRS. [§104-3(c), HRS; §12-22-26, HAR]
- If any contractor interferes with or delays any investigation, the contracting agency shall withhold further payments until the delay has ceased. Interference or delay includes failure to provide requested records or information within ten days, failure to allow employees to be interviewed during working hours on the job, and falsification of payroll records. The department shall assess a penalty of \$10,000 per project, and \$1,000 per day thereafter, for interference or delay. [§104-22(b), HRS; §12-22-26, HAR]
- Failure by the contracting agency to include in the provisions of the contract or specifications the requirements of Chapter 104, HRS, relating to coverage and the payment of prevailing wages and overtime, is not a defense of the contractor or subcontractor for noncompliance with the requirements of this chapter. [§104-2(f), HRS]

**For additional information, visit the department's website at <http://labor.hawaii.gov/wsd> or contact any of the following DLIR offices:**



Oahu (Wage Standards Division).....(808) 586-8777  
Hawaii Island .....(808) 974-6464  
Maui and Kauai .....(808) 243-5322

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION

**PROPOSAL**

PROPOSAL TO THE STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HARBORS DIVISION

PROJECT: FENDER AND WATERLINE REPAIRS AT PORT ALLEN, KAUAI, HAWAII

JOB NO: S70145

CONTRACT TIME: All work shall be completed within ONE HUNDRED EIGHTY (180) CALENDAR DAYS from the date indicated in the Notice to Proceed from the Department.

LIQUIDATED DAMAGES: THREE HUNDRED AND FIFTEEN DOLLARS (\$315.00) for each and every calendar day which the Contractor has delayed the completion of this project.

DESIGN PROJECT MANAGER: MR. BRANDEN SUMIDA  
DEPARTMENT OF TRANSPORTATION  
HARBORS DIVISION  
HALE AWA MOKU  
79 S. NIMITZ HIGHWAY  
HONOLULU, HAWAII 96813  
PHONE: (808) 587-1873  
EMAIL: branden.sumida@hawaii.gov

ELECTRONIC SUBMITTAL: The bidder shall submit the proposal in HIePRO. The Proposal shall be UPLOADED to HIePRO prior to the bid opening date and time. See SPECIAL PROVISIONS – Section 2.8 Preparation and Delivery of Bid – for additional information.

Director of Transportation  
869 Punchbowl Street  
Honolulu, Hawaii 96813

Dear Sir:

The undersigned Bidder declares the following:

1. It has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this proposal.
2. It has not been assisted or represented on this matter by any individual who has, in a State capacity, been involved in the subject matter of this contract within the past two years.
3. It has not and will not, either directly or indirectly offered or given a gratuity (i.e. an entertainment or gift) to any State or County employee to obtain a contract or favorable treatment under a contract.

The undersigned Bidder further agrees to the following:

1. If this proposal is accepted, it shall execute a contract with the Department to provide all necessary labor, machinery, tools, equipment, apparatus and any other means of construction, to do all the work and to furnish all the materials specified in the contract in the manner and within the time therein prescribed in the contract, and that it shall accept in full payment therefore the sum of the unit and/or lump sum prices as set forth in the attached proposal schedule for the actual quantities of work performed and materials furnished and furnish satisfactory security in accordance with Section 103D-324, Hawaii Revised Statutes, within 10 days after the award of the contract or within such time as the Director of Transportation may allow after the undersigned has received the contract documents for execution, and is fully aware that non-compliance with the aforementioned terms will result in the forfeiture of the full amount of the bid guarantee required under Section 103D-323, Hawaii Revised Statutes.
2. That the quantities given in the attached proposal schedule are approximate only and are intended principally to serve as a guide in determining and comparing the bids.
3. That the Department does not either expressly or by implication, agree that the actual amount of work will correspond therewith, but reserves the right to increase or decrease the amount of any class or portion of the work, or to omit portions of the work, as may be deemed necessary or advisable by the Director of Transportation, and that all increased or decreased quantities of work shall be performed at the unit prices set forth in the attached proposal schedule except as provided for in the specifications.

4. In case of a discrepancy between unit prices and the totals in said Proposal Schedule, the unit prices shall prevail.
5. Agrees to begin work within 10 working days after the date of notification to commence with the work, which date is in the notice to proceed, and shall finish the entire project within the time prescribed.
6. The Director of Transportation reserves the right to reject any or all bids and to waive any defects when in the Director's opinion such rejections or waiver will be for the best interest of the public.

The Bidder acknowledges receipt of and certifies that it has completely examined the following listed items: the Hawaii Department of Transportation, Air and Water Transportation Facilities Division General Provisions for Construction Projects dated 2016, the Notice to Bidders, the Special Provisions, if any, the Technical Provisions, the Proposal, the Contract and Bond Forms, and the Project Plans.

In accordance with Section 103D-323, Hawaii Revised Statutes, this proposal is accompanied with a bid security in the amount of 5% of the total amount bid, in the form checked below. (Check applicable bid security submitted with bid.)

Surety Bid Bond (Use standard form),

Cash,

Cashier's Check,

Certified Check, or

\_\_\_\_\_  
(Fill in other acceptable security.)

The undersigned Bidder acknowledges receipt of any addendum issued by the Department by recording in the space below the date of receipt.

Addendum No. 1 \_\_\_\_\_

Addendum No. 3 \_\_\_\_\_

Addendum No. 2 \_\_\_\_\_

Addendum No. 4 \_\_\_\_\_

In accordance with Section 103D-302, Hawaii Revised Statutes, the undersigned as Bidder, has listed the name of each person or firm, who will be engaged by the Bidder on the project as a Subcontractor or Joint Contractor and the nature of work to be done by each. The Bidder must adequately and unambiguously disclose the unique nature and scope of the work to be performed by each Subcontractor or Joint Contractor. For each listed firm, the Bidder declares the respective firm is a Subcontractor or Joint Contractor and is subject to evaluation as a Subcontractor or Joint Contractor. It is understood that failure to comply with the aforementioned requirements may be cause for rejection of the bid submitted.

<u>Name of Subcontractor</u>	<u>Nature and Scope of Work</u>
1. _____	_____
2. _____	_____
3. _____	_____
4. _____	_____
5. _____	_____
6. _____	_____
7. _____	_____
8. _____	_____

<u>Name of Joint Contractor</u>	<u>Nature and Scope of Work</u>
1. _____	_____
2. _____	_____
3. _____	_____

("None" or if left blank indicates no Subcontractor or Joint Contractor; if more space is needed, attach additional sheets.)

The undersigned hereby certifies that the bid prices contained in the attached proposal schedule have been carefully checked and are submitted as correct and final.

This declaration is made with the understanding that the undersigned is subject to the penalty of perjury under the laws of the United States and is in violation of the Hawaii Penal Code, Section 710-1063, unsworn falsification to authorities, of the Hawaii Revised Statutes, for knowingly rendering a false declaration.

\_\_\_\_\_  
Bidder (Company Name)

By \_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Print Name and Title

\_\_\_\_\_  
Business Address

\_\_\_\_\_  
Business Telephone                      Email

\_\_\_\_\_  
Date

\_\_\_\_\_  
Contact Person (If different from above)

Phone: \_\_\_\_\_ Email: \_\_\_\_\_

NOTE:

If Bidder is a CORPORATION, the legal name of the corporation shall be set forth above, the corporate seal affixed, together with the signature(s) of the officer(s) authorized to sign contracts for the corporation. Please attach to this page current (not more than six months old) evidence of the authority of the officer(s) to sign for the corporation.

If Bidder is a PARTNERSHIP, the true name of the partnership shall be set forth above, with the signature(s) of the general partner(s). Please attach to this page current (not more than six months old) evidence of the authority of the partner authorized to sign for the partnership.

If Bidder is an INDIVIDUAL, the bidder's signature shall be placed above.

If signature is by an agent, other than an officer of a corporation or a partner of a partnership, a POWER OF ATTORNEY must be on file with the Department before opening bids or submitted with the bid. Otherwise, the Department may reject the bid as irregular and unauthorized.

## PREFERENCES

Bidders agree that preferences shall be taken into consideration to determine the low bidder in accordance with said Sections and the rules promulgated, however, the award of contract will be in the amount of the bid offered exclusive of any preferences.

### **A. HAWAII PRODUCTS PREFERENCE**

In accordance with ACT 174, SLH 2022, effective June 27, 2022, Hawaii Products Preference shall not apply to solicitations for public works construction. Therefore, the Hawaii Products Preference shall not apply to this project.

### **B. APPRENTICESHIP PROGRAMS PREFERENCE**

In accordance with ACT 17, SLH 2009 – Apprenticeship Program, a 5% bid adjustment for bidders that are parties to apprenticeship agreements pursuant to Hawaii Revised Statutes (HRS) Section 103-55.6 may be applied to the bidder's price for evaluation purposes.

Any bidder seeking this preference must be a party to an apprenticeship agreement registered with the Department of Labor and Industrial Relations at the time the offer is made for each apprenticeable trade the bidder will employ to construct the public works projects for which the offer is being made.

The bidder is responsible for complying with all submission requirements for registration of its apprenticeship program before requesting the preference.

**( ) Yes, I wish to be considered for the Apprenticeship Programs Preference. I have included Certification Form(s) 1 with my bid.**

### **C. RECYCLED PRODUCT PREFERENCE**

Recycled product preference shall not apply to this proposal.

FENDER AND WATERLINE REPAIRS AT PORT ALLEN, KAUAI, HAWAII,

JOB S70145

PROPOSAL SCHEDULE

Item No.	Item Description	Approximate Quantity (a)	Unit	Unit Price (b)	Amount Bid (a x b)
1	Mobilization and Demobilization	L.S.	L.S.	\$ _____	\$ _____
2	Fender System Replacement (Approx. 282 LF)	L.S.	L.S.	\$ _____	\$ _____
3	Tire Fender Repairs	40	EA.	\$ _____	\$ _____
4	Vertical Lagging Fender Repairs	20	EA.	\$ _____	\$ _____
5	Corbel Spall Repairs	300	S.F.	\$ _____	\$ _____
6	Reinforcing Steel Replacement	300	LBS	\$ _____	\$ _____
7	Stair Repairs	L.S.	L.S.	\$ _____	\$ _____
8	Waterline Repairs	L.S.	L.S.	\$ _____	\$ _____
TOTAL AMOUNT FOR COMPARISON OF BIDS				\$ _____	

NOTES:

The bidder shall submit the proposal in HiePRO. The proposal shall be UPLOADED to HiePRO prior to the bid opening date and time. Proposals received after said due date and time shall not be considered. Original (wet ink) proposal documents are not required to be submitted. The award will be made based on proposals uploaded in HiePRO. Any and all other additional documents explicitly designated and labeled as CONFIDENTIAL OR PROPRIETARY shall be UPLOADED SEPARATELY to HiePRO.

Bid to include all Federal, State, County and other applicable taxes and fees.

The TOTAL AMOUNT FOR COMPARISON OF BIDS will be used to determine the lowest responsible bidder.

Bidders must complete all unit prices and amounts. Failure to do so may be grounds for rejection of bid.

If a discrepancy occurs between unit bid price and the bid price, the unit bid price shall govern.

If the lowest TOTAL AMOUNT FOR COMPARISON OF BIDS exceeds the funds available for this project, the State reserves the right to negotiate with the lowest responsible bidder as permitted under Section 103D-302, Hawaii Revised Statutes, as amended, to reduce the scope of work and award a contract.

Submission of Proposal is a warranty that the bidder has made an examination of the project site and is fully aware of all conditions to be encountered in performing the work and the requirements of the plans and specifications.

No additional compensation will be paid by the State for losses, including overhead and profit, resulting from reduced scope of work.

Contract time shall remain the same whether or not the overall scope of work is decreased.

# SURETY BID BOND

Bond No. \_\_\_\_\_

KNOW TO ALL BY THESE PRESENTS:

That we, \_\_\_\_\_  
(full name or legal title of offeror)

as Offeror, hereinafter called the Principal, and

\_\_\_\_\_  
(name of bonding company)

as Surety, hereinafter called Surety, a corporation authorized to transact business as a Surety in the State of Hawaii, are held and firmly bound unto

\_\_\_\_\_  
(State/county entity)

as Owner, hereinafter called Owner, in the penal sum of

\_\_\_\_\_  
(required amount of bid security)

Dollars (\$ \_\_\_\_\_), lawful money of the United States of America, for the payment of which sum well and truly to be made, the said Principal and the said Surety bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

**WHEREAS:**

The Principal has submitted an offer for

\_\_\_\_\_  
(project by number and brief description)

**NOW, THEREFORE:**

The condition of this obligation is such that if the Owner shall reject said offer, or in the alternate, accept the offer of the Principal and the Principal shall enter into a contract with the Owner in accordance with the terms of such offer, and give such bond or bonds as may be specified in the solicitation or Contract Documents with good and sufficient surety for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof as specified in the solicitation then this obligation shall be null and void, otherwise to remain in full force and effect.

Signed this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_

\_\_\_\_\_  
Name of Principal (Offeror) (Seal)

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

\_\_\_\_\_  
Name of Surety (Seal)

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HONOLULU, HAWAII

**SAMPLE FORMS**

Contents:

Performance Bond (Surety)  
Performance Bond  
Labor and Material Payment Bond (Surety)  
Labor and Material Payment Bond  
Chapter 104, HRS Compliance Certificate  
Certification of Compliance for Employment of State Residents, Act 192, SLH 2011

**PERFORMANCE BOND (SURETY)**  
(6/21/07)

**KNOW TO ALL BY THESE PRESENTS:**

That \_\_\_\_\_,  
*(Full Legal Name and Street Address of Contractor)*

as Contractor, hereinafter called Principal, and \_\_\_\_\_  
\_\_\_\_\_  
*(Name and Street Address of Bonding Company)*

as Surety, hereinafter called Surety, a corporation(s) authorized to transact business as a  
surety in the State of Hawaii, are held and firmly bound unto the \_\_\_\_\_,  
*(State/County Entity)*

its successors and assigns, hereinafter called Obligee, in the amount of \_\_\_\_\_

\_\_\_\_\_ DOLLARS (\$ \_\_\_\_\_), to which payment Principal and Surety bind themselves,  
their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by  
these presents.

**WHEREAS**, the above-bound Principal has signed a Contract with Obligee on  
\_\_\_\_\_, for the following project: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

hereinafter called Contract, which Contract is incorporated herein by reference and made a part  
hereof.

**NOW THEREFORE**, the condition of this obligation is such that:

If the Principal shall promptly and faithfully perform, and fully complete the Contract in  
strict accordance with the terms of the Contract as said Contract may be modified or amended  
from time to time; then this obligation shall be void; otherwise to remain in full force and effect.

Surety to this Bond hereby stipulates and agrees that no changes, extensions of time, alterations, or additions to the terms of the Contract, including the work to be performed thereunder, and the specifications or drawings accompanying same, shall in any way affect its obligation on this bond, and it does hereby waive notice of any such changes, extensions of time, alterations, or additions, and agrees that they shall become part of the Contract.

In the event of Default by the Principal, of the obligations under the Contract, then after written Notice of Default from the Obligees to the Surety and the Principal and subject to the limitation of the penal sum of this bond, Surety shall remedy the Default, or take over the work to be performed under the Contract and complete such work, or pay moneys to the Obligees in satisfaction of the surety's performance obligation on this bond.

Signed this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

(Seal)

\_\_\_\_\_  
Name of Principal (Contractor)

\*

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

(Seal)

\_\_\_\_\_  
Name of Surety

\*

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

**\*ALL SIGNATURES MUST BE ACKNOWLEDGED  
BY A NOTARY PUBLIC**

# PERFORMANCE BOND

**KNOW TO ALL BY THESE PRESENTS:**

That we, \_\_\_\_\_  
*(full legal name and street address of Contractor)*

as Contractor, hereinafter called Contractor, is held and firmly bound unto the

\_\_\_\_\_ *(State/County entity)*

its successors and assigns, as Obligee, hereinafter called Obligee, in the amount

\_\_\_\_\_ DOLLARS \$ \_\_\_\_\_),  
*(Dollar amount of Contract)*

lawful money of the United States of America, for the payment of which to the said Obligee, well and truly to be made, Contractor binds itself, its heir, executors, administrators, successors and assigns, firmly by these presents. Said amount is evidenced by:

- Legal Tender;**
- Share Certificate** unconditionally assigned to or made payable at sight to  
Description: \_\_\_\_\_;
- Certificate of Deposit**, No. \_\_\_\_\_, dated \_\_\_\_\_ issued  
by \_\_\_\_\_ drawn on \_\_\_\_\_ a bank, savings  
institution or credit union insured by the Federal Deposit Insurance Corporation or the  
National Credit Union Administration, payable at sight or unconditionally assigned to  
\_\_\_\_\_;
- Cashier's Check** No. \_\_\_\_\_, dated \_\_\_\_\_  
drawn on \_\_\_\_\_ a  
bank, savings institution or credit union insured by the Federal Deposit Insurance  
Corporation or the National Credit Union Administration, payable at sight or  
unconditionally assigned to \_\_\_\_\_;
- Teller's Check** No. \_\_\_\_\_, dated \_\_\_\_\_  
drawn on \_\_\_\_\_ a  
bank, savings institution or credit union insured by the Federal Deposit Insurance  
Corporation or the National Credit Union Administration, payable at sight or  
unconditionally assigned to \_\_\_\_\_;
- Treasurer's Check** No. \_\_\_\_\_, dated \_\_\_\_\_  
drawn on \_\_\_\_\_ a  
bank, savings institution or credit union insured by the Federal Deposit Insurance  
Corporation or the National Credit Union Administration, payable at sight or  
unconditionally assigned to \_\_\_\_\_;
- Official Check** No. \_\_\_\_\_, dated \_\_\_\_\_  
drawn on \_\_\_\_\_ a  
bank, savings institution or credit union insured by the Federal Deposit Insurance  
Corporation or the National Credit Union Administration, payable at sight or  
unconditionally assigned to \_\_\_\_\_;
- Certified Check** No. \_\_\_\_\_, dated \_\_\_\_\_  
accepted by a bank, savings institution or credit union insured by the Federal Deposit  
Insurance Corporation or the National Credit Union Administration, payable at sight or  
unconditionally assigned to \_\_\_\_\_;

**WHEREAS:**

The Contractor has by written agreement dated \_\_\_\_\_ entered into a contract with Obligee for the following Project: \_\_\_\_\_

hereinafter called Contract, which Contract is incorporated herein by reference and made a part hereof.

**NOW THEREFORE,**

The Condition of this obligation is such that, if Contractor shall promptly and faithfully perform the Contract in accordance with, in all respects, the stipulations, agreements, covenants and conditions of the Contract as it now exists or may be modified according to its terms, and shall deliver the Project to the Obligee, or to its successors or assigns, fully completed as in the Contract specified and free from all liens and claims and without further cost, expense or charge to the Obligee, its officers, agents, successors or assigns, free and harmless from all suits or actions of every nature and kind which may be brought for or on account of any injury or damage, direct or indirect, arising or growing out of the doing of said work or the repair or maintenance thereof or the manner of doing the same or the neglect of the Contractor or its agents or servants or the improper performance of the Contract by the Contractor or its agents or servants or from any other cause, then this obligation shall be void; otherwise it shall be and remain in full force and effect.

**AND IT IS HEREBY STIPULATED AND AGREED** that suit on this bond may be brought before a court of competent jurisdiction without a jury, and that the sum or sums specified in the said Contract as liquidated damages, if any, shall be forfeited to the Obligee, its successors or assigns, in the event of a breach of any, or all, or any part of, covenants, agreements, conditions, or stipulations contained in the Contract or in this bond in accordance with the terms thereof.

The amount of this bond may be reduced by and to the extent of any payment or payments made in good faith hereunder.

Signed and sealed this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

(Seal) \_\_\_\_\_

Name of Contractor

\_\_\_\_\_  
Signature\*

\_\_\_\_\_  
Title

\*ALL SIGNATURES MUST BE ACKNOWLEDGED BY A NOTARY PUBLIC

**LABOR AND MATERIAL PAYMENT BOND (SURETY)**  
(6/21/07)

**KNOW TO ALL BY THESE PRESENTS:**

That \_\_\_\_\_,  
*(Full Legal Name and Street Address of Contractor)*

as Contractor, hereinafter called Principal, and \_\_\_\_\_  
\_\_\_\_\_  
*(Name and Street Address of Bonding Company)*

as Surety, hereinafter called Surety, a corporation(s) authorized to transact business as a surety in the State of Hawaii, are held and firmly bound unto the \_\_\_\_\_,  
*(State/County Entity)*

its successors and assigns, hereinafter called Oblige, in the amount of \_\_\_\_\_

\_\_\_\_\_ Dollars (\$\_\_\_\_\_), to which payment Principal and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

**WHEREAS**, the above-bound Principal has signed Contract with the Oblige on \_\_\_\_\_ for the following project: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

hereinafter called Contract, which Contract is incorporated herein by reference and made a part hereof.

**NOW THEREFORE**, the condition of this obligation is such that if the Principal shall promptly make payment to any Claimant, as hereinafter defined, for all labor and materials supplied to the Principal for use in the performance of the Contract, then this obligation shall be void; otherwise to remain in full force and effect.

1. Surety to this Bond hereby stipulates and agrees that no changes, extensions of time, alterations, or additions to the terms of the Contract, including the work to be performed thereunder, and the specifications or drawings accompanying same, shall in any way affect its obligation on this bond, and it does hereby waive notice of any such changes, extensions of time, alterations, or additions, and agrees that they shall become part of the Contract.

2. A "Claimant" shall be defined herein as any person who has furnished labor or materials to the Principal for the work provided in the Contract.

Every Claimant who has not been paid amounts due for labor and materials furnished for work provided in the Contract may institute an action against the Principal and its Surety on this bond at the time and in the manner prescribed in Section 103D-324, Hawaii Revised Statutes, and have the rights and claims adjudicated in the action, and judgment rendered thereon; subject to the Obligee's priority on this bond. If the full amount of the liability of the Surety on this bond is insufficient to pay the full amount of the claims, then after paying the full amount due the Obligee, the remainder shall be distributed pro rata among the claimants.

Signed this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

(Seal)

\_\_\_\_\_  
Name of Principal (Contractor)

\*

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

(Seal)

\_\_\_\_\_  
Name of Surety

\*

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

**\*ALL SIGNATURES MUST BE ACKNOWLEDGED  
BY A NOTARY PUBLIC**

# LABOR AND MATERIAL PAYMENT BOND

KNOW TO ALL BY THESE PRESENTS:

That we, \_\_\_\_\_  
(full legal name and street address of Contractor)

as Contractor, hereinafter called Contractor, is held and firmly bound unto \_\_\_\_\_  
(State/County entity)

its successors and assigns, as Obligee, hereinafter called Obligee, in the amount  
\_\_\_\_\_ DOLLARS (\$ \_\_\_\_\_ )  
(Dollar amount of Contract)

lawful money of the United States of America, for the payment of which to the said Obligee, well and truly to be made, Contractor binds itself, its heir, executors, administrators, successors and assigns, firmly by these presents. Said amount is evidenced by:

- Legal Tender;
- Share Certificate unconditionally assigned to or made payable at sight to \_\_\_\_\_  
Description: \_\_\_\_\_
- Certificate of Deposit, No. \_\_\_\_\_, dated \_\_\_\_\_ issued by \_\_\_\_\_ drawn on \_\_\_\_\_ a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to \_\_\_\_\_;
- Cashier's Check No. \_\_\_\_\_, dated \_\_\_\_\_ drawn on \_\_\_\_\_ a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to \_\_\_\_\_;
- Teller's Check No. \_\_\_\_\_, dated \_\_\_\_\_ drawn on \_\_\_\_\_ a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to \_\_\_\_\_;
- Treasurer's Check No. \_\_\_\_\_, dated \_\_\_\_\_ drawn on \_\_\_\_\_ a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to \_\_\_\_\_;
- Official Check No. \_\_\_\_\_, dated \_\_\_\_\_ drawn on \_\_\_\_\_ a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to \_\_\_\_\_;
- Certified Check No. \_\_\_\_\_, dated \_\_\_\_\_ accepted by a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to \_\_\_\_\_;

**WHEREAS:**

The Contractor has by written agreement dated \_\_\_\_\_ entered into a contract with Obligee for the following Project: \_\_\_\_\_

hereinafter called Contract, which Contract is incorporated herein by reference and made a part hereof.

**NOW THEREFORE,**

The condition of this obligation is such that, if Contractor shall promptly and faithfully perform the Contract in accordance with, in all respects, the stipulations, agreements, covenants and conditions of the Contract as it now exists or may be modified according to its terms, free from all liens and claims and without further cost, expense or charge to the Obligee, its officers, agents, successors or assigns, free and harmless from all suits or actions of every nature and kind which may be brought for or on account of any injury or damage, direct or indirect, arising or growing out of the doing of said work or the repair or maintenance thereof or the manner of doing the same or the neglect of the Contractor or its agents or servants or the improper performance of the Contract by the Contractor or its agents or servants or from any other cause, then this obligation shall be void; otherwise it shall be and remain in full force and effect.

**AND IT IS HEREBY STIPULATED AND AGREED** that suit on this bond may be brought before a court of competent jurisdiction without a jury, and that the sum or sums specified in the said Contract as liquidated damages, if any, shall be forfeited to the Obligee, its successors or assigns, in the event of a breach of any, or all, or any part of, covenants, agreements, conditions, or stipulations contained in the Contract or in this bond in accordance with the terms thereof.

**AND IT IS HEREBY STIPULATED AND AGREED** that this bond shall inure to the benefit of any and all persons entitled to file claims for labor performed or materials furnished in said work so as to give any and all such persons a right of action as contemplated by Sections 103D-324(d) and 103D-324(e), Hawaii Revised Statutes.

The amount of this bond may be reduced by and to the extent of any payment or payments made in good faith hereunder, inclusive of the payments of mechanics' liens which may be filed of record against the Project, whether or not claim for the amount of such lien be presented under and against this bond..

Signed this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

(Seal) \_\_\_\_\_

Name of Contractor

\_\_\_\_\_  
Signature\*

\_\_\_\_\_  
Title

ALL SIGNATURES MUST BE ACKNOWLEDGED BY A NOTARY PUBLIC

CHAPTER 104, HRS COMPLIANCE CERTIFICATE

The undersigned bidder does hereby certify to the following:

1. Individuals engaged in the performance of the contract on the job site shall be paid:
  - A. Not less than the wages that the director of labor and industrial relations shall have determined to be prevailing for corresponding classes of laborers and mechanics employed on public works projects; and
  - B. Overtime compensation at one and one-half times the basic hourly rate plus fringe benefits for hours worked on Saturday, Sunday, or a legal holiday of the State or in excess of eight hours on any other day.
2. All applicable laws of the federal and state governments relating to workers' compensation, unemployment compensation, payment of wages, and safety shall be fully complied with.

DATED at Honolulu, Hawaii, this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
«CONTRACTOR»  
Name of Corporation, Partnership, or Individual

\_\_\_\_\_  
Signature and Title of Signer

Notary Seal  
NOTARY ACKNOWLEDGEMENT

Subscribed and sworn before me this \_\_\_\_\_ day of \_\_\_\_\_  
Notary signature \_\_\_\_\_  
Notary public, State of \_\_\_\_\_  
My Commission Expires: \_\_\_\_\_

Notary Seal  
NOTARY CERTIFICATION

Doc. Date: \_\_\_\_\_ #Pages: \_\_\_\_\_  
Notary Name: \_\_\_\_\_ Circuit \_\_\_\_\_  
Doc. Description: \_\_\_\_\_  
\_\_\_\_\_  
Notary signature \_\_\_\_\_  
Date \_\_\_\_\_

**PROVISIONS TO BE INCLUDED IN  
CONSTRUCTION PROCUREMENT SOLICITATIONS**

1. Definitions for terms used in HRS Chapter 103B as amended by Act 192, SLH 2011:
  - a. "Contract" means contracts for construction under 103D, HRS.
  - b. "Contractor" has the same meaning as in Section 103D-104, HRS, provided that "contractor" includes a subcontractor where applicable.
  - c. "Construction" has the same meaning as in Section 103D-104, HRS.
  - d. "General Contractor" means any person having a construction contract with a governmental body.
  - e. "Procurement Officer" has the same meaning as in Section 103D-104, HRS.
  - f. "Resident" means a person who is physically present in the State of Hawai'i at the time the person claims to have established the person's domicile in the State of Hawai'i and shows the person's intent is to make Hawai'i the person's primary residence.
  - g. "Shortage trade" means a construction trade in which there is a shortage of Hawai'i residents qualified to work in the trade as determined by the Department of Labor and Industrial Relations.
  
2. HRS Chapter 103B as amended by Act 192, SLH 2011--Employment of State Residents Requirements:
  - a. A Contractor awarded a contract shall ensure that Hawai'i residents comprise not less than 80% of the workforce employed to perform the contract work on the project. The 80% requirement shall be determined by dividing the total number of hours worked on the contract by Hawai'i residents, by the total number of hours worked on the contract by all employees of the Contractor in the performance of the contract. The hours worked by any Subcontractor of the Contractor shall count towards the calculation for this section. The hours worked by employees within shortage trades, as determined by the Department of Labor and Industrial Relations (DLIR), shall not be included in the calculation for this section.

- b. Prior to award of a contract, an Offeror/Bidder may withdraw an offer/bid without penalty if the Offeror/Bidder finds that it is unable to comply with HRS Chapter 103B as amended by Act 192, SLH 2011.
- c. Prior to starting any construction work, the Contractor shall submit the subcontract dollar amount for each of its Subcontractors.
- d. The requirements of this section shall apply to any subcontract of \$50,000 or more in connection with the Contractor; that is, such Subcontractors must also ensure that Hawai'i residents comprise not less than 80% of the Subcontractor's workforce used to perform the subcontract.
- e. The Contractor and any Subcontractor whose subcontract is \$50,000 or more shall comply with the requirements of HRS Chapter 103B as amended by Act 192, SLH 2011.
  - 1) Certification of compliance shall be made in writing under oath by an officer of the General Contractor and applicable Subcontractors and submitted with the final payment request.
  - 2) The certification of compliance shall be made under oath by an officer of the company by completing a "Certification of Compliance for Employment of State Residents" form and executing the Certificate before a licensed notary public.
  - 3) In addition to the certification of compliance as indicated above, the Contractor and Subcontractors shall maintain records such as certified payrolls for laborers and mechanics who performed work at the site and time sheets for all other employees who performed work on the project. These records shall include the names, addresses and number of hours worked on the project by all employees of the Contractor and Subcontractor who performed work on the project to validate compliance with HRS Chapter 103B as amended by Act 192, SLH 2011. The Contractor and Subcontractors shall retain these records and provide access to the State for a minimum period of four (4) years after the final payment, except that if any litigation, claim, negotiation, investigation, audit or other action involving the records has been started before the expiration of the four-year period, the Contractor and Subcontractors shall retain the records until completion of the action and resolution of all issues that arise from it, or until the end of the four-year period, whichever occurs later. Furthermore, it shall be the Contractor's responsibility to enforce compliance with this provision by any Subcontractor.

- f. A General Contractor or applicable Subcontractor who fails to comply with this section shall be subject to any of the following sanctions:
- 1) With respect to the General Contractor, withholding of payment on the contract until the Contractor or its Subcontractor complies with HRS Chapter 103B as amended by Act 192, SLH 2011.
  - 2) Proceedings for debarment or suspension of the Contractor or Subcontractor under Hawai'i Revised Statutes §103D-702.
3. Conflict with Federal Law: This section shall not apply if the application of this section is in conflict with any federal law, or if the application of this section will disqualify the State from receiving Federal funds or aid.

**CERTIFICATION OF COMPLIANCE  
FOR  
EMPLOYMENT OF STATE RESIDENTS  
HRS CHAPTER 103B, AS AMENDED BY ACT 192, SLH 2011**

Project Title: \_\_\_\_\_

Agency Project No: \_\_\_\_\_

Contract No.: \_\_\_\_\_

As required by Hawai'i Revised Statutes Chapter 103B, as amended by Act 192, Session Laws of Hawaii 2011--Employment of State Residents on Construction Procurement Contracts, I hereby certify under oath, that I am an officer of \_\_\_\_\_ and  
(Name of Contractor or Subcontractor Company)  
for the Project Contract indicated above, \_\_\_\_\_ was in  
(Name of Contractor or Subcontractor Company)  
compliance with HRS Chapter 103B, as amended by Act 192, SLH 2011, by employing a workforce of which not less than eighty percent are Hawai'i residents, as calculated according to the formula in the solicitation, to perform this Contract.

I am an officer of the **Contractor** for this contract.

I am an officer of a **Subcontractor** for this contract.

*CORPORATE SEAL*

\_\_\_\_\_  
(Name of Company)

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Print Name)

\_\_\_\_\_  
(Print Title)

Subscribed and sworn to me before this  
\_\_\_\_ day of \_\_\_\_\_, 2011.

Doc. Date: \_\_\_\_\_ # of Pages \_\_\_\_\_ 1<sup>st</sup> Circuit

Notary Name: \_\_\_\_\_

Doc. Description: \_\_\_\_\_

\_\_\_\_\_  
Notary Public, 1<sup>st</sup> Circuit, State of Hawai'i  
My commission expires: \_\_\_\_\_

\_\_\_\_\_  
Notary Signature

\_\_\_\_\_  
Date

NOTARY CERTIFICATION