

**STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HARBORS**

**ADDENDUM NO. 1
FOR
EXTEND ROCK WALL AT JETTY ROAD AT
NAWILIWILI HARBOR, KAUAI
JOB S70157**

February 9, 2024

This Addendum shall make the following amendments to Bid Documents:

A. NOTICE TO BIDDERS

- I. Prospective bidders are **hereby notified** that receiving of sealed bids, scheduled for **February 13, 2024, at 2:00 p.m., Hawaii Standard Time (HST)**, is **HEREBY POSTPONED** until **FEBRUARY 28, 2024, at 2:00 p.m., HST**.

The attached **NOTICE TO BIDDERS** dated **r2/9/2024** shall be incorporated and made a part of the **NOTICE TO BIDDERS**.

B. ARTICLE X – PROJECT DESCRIPTION

- I. Delete **pages 10-5 and 10-6** and replace with the **attached pages 10-5 and 10-6** dated r2/9/2024.

C. ARTICLE XII – ROCK WALL EXTENSION

- I. Delete **ARTICLE XII** in its entirety and replace with the attached **ARTICLE XII** dated r2/9/2024.

D. ARTICLE XIII – ASPHALT PAVEMENT BUFFER ZONE

- I. Delete **ARTICLE XIII** in its entirety and replace with the attached **ARTICLE XIII** dated r2/9/2024.

The following is provided for your information:

E. RESPONSE TO REQUEST FOR INFORMATION (RFI / QUESTIONS)

The attached Response to RFI is provided for you information.

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



DREANALEE K. KALILI

Deputy Director of Transportation for Harbors

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

SEALED BIDS for EXTEND ROCK WALL AT JETTY ROAD AT
NAWILIWILI HARBOR, KAUAI, HAWAII - JOB S70157, will begin as advertised
in HIePRO. Bidders shall register and submit complete bids through HIePRO only.

Refer to the following HIePRO link for important information on registering:

<https://hiepro.ehawaii.gov/welcome.html>.

Plans, specifications, proposal, and other documents designated or incorporated
by reference shall be available in HIePRO.

DEADLINE TO SUBMIT BIDS scheduled for February 13, 2024, at 2:00 p.m.,
Hawaii Standard Time (HST), is **HEREBY POSTPONED** until
FEBRUARY 28, 2024, at 2:00 p.m., HST. Bidders shall submit and **upload the
complete proposal to HIePRO** prior to the bid opening date and time. Proposals
received after said due date and time shall not be considered. Any additional
support documents explicitly designated as **confidential and/or proprietary** shall be
uploaded as a **separate file** to HIePRO. Do not include confidential and/or
proprietary documents with the proposal. The record of each bidder and
respective bid shall be open to public inspection. **FAILURE TO UPLOAD THE
PROPOSAL TO HIePRO SHALL BE GROUNDS FOR REJECTION OF THE
BID.**



DREANALEE K. KALILI
Deputy Director of Transportation for Harbors

Specifications for Road and Bridge Construction, 2005, Department of Transportation Highways Division, Honolulu, Hawaii.

10.11 AS BUILT DRAWINGS – The Contractor shall keep one set of drawings at the job site and make all field changes thereon. After completion of the project, a stamped, Portable Document Format (PDF)/A formatted digital file shall be submitted to the Construction Engineer and the Maintenance Engineer.

10.12 COMPLETION TIME – All work for this project shall be completed within the specified time period as listed in 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 work.

10.13 SUBMITTALS – The Contractor shall submit for review, within 30 days after the execution of the contract, one PDF format copy of shop drawings and manufacturer’s brochures for the following items:

1. Best Management Practices (BMP) Plan.
2. Work Schedule and Work Phasing Plan two weeks prior to actual construction.
3. Rocks, Mortar/Grout, and Concrete.
4. Polyvinyl Chloride (PVC) Pipe
5. Hot Mix Asphalt (HMA) Pavement Coating & material data sheets
6. Bituminous Tack Coating & material data sheets
7. Aggregate base course material data sheets

10.14 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.

Item 1 Rock Wall Extension. Payment shall be made at the lump sum bid price in the Proposal Schedule. Such payment shall include laying out control points;

excavating and disposing of existing concrete and subgrade material; cleaning and preparing excavated surfaces; placing and compacting 6-inch minimum aggregate base course material; setting and placing new rocks; placing mortar; filling voids with grout; placing a concrete cap on rock wall; repairing any damaged pavement, structures, and earthwork; and any other incidental work required to complete this item.

- Item 2 Asphalt Pavement Buffer Zone. Payment shall be made at the lump sum bid price in the Proposal Schedule. **Such payment shall include excavating and disposing of existing concrete and subgrade material; cleaning and preparing excavated surfaces; placing and compacting 6-inch minimum aggregate base course material;** placing new 1-1/2-inch hot-mix asphalt pavement material; if needed, applying bituminous tack coat; repairing any damaged pavement, structures, and earthwork; installation, maintenance, monitoring, and removal of BMP; and other incidental work required to complete this item.

ARTICLE XII – ROCK WALL EXTENSION

12.1 GENERAL – The work to be done under this Article consists of furnishing all labor, materials, equipment and other expenses necessary to excavate embedment area, prepare subgrade area, and install new mortar, rocks, and grout for rock wall construction near Jetty Road at Nawiliwili Harbor as indicated on the drawings and as specified.

12.2 MATERIALS

- A. Rocks – Rocks to be used shall be dense (minimum specific gravity of 2.70) rock of basaltic origin. All rocks shall be durable, hard, clean, resistant to abrasion and of a suitable quality to ensure permanence in the new structure. Rocks shall be free from cracks, seams and other defects and not subject to disintegration when exposed to air or seawater. All rocks shall be similar in size, texture and subject to approval of the Construction Engineer.

- B. Mortar – Mortar shall consist of one part Portland cement to two parts of fine aggregate by volume. The Contractor shall add sufficient water to make the mortar easy to handle and spread with a trowel. In preparing the mortar, the Contractor shall mix the fine aggregate and cement first dry in a tight container or mixing machine until the mixture assumes a uniform color. As the mixing continues, the Contractor shall add the water until the mixture attains the proper consistency to suit field conditions, approximately 4-inch slump. The Contractor shall not use mortar that has not been placed within thirty minutes after adding water. Retempering of the mortar will not be permitted.

- C. Fine Aggregate – Fine aggregate for mortar shall be in accordance with Section 703.01 of the Specifications.

- D. PVC Pipe – PVC pipe shall be Schedule 40 and conform to American Society for Testing and Materials D1785.

- E. Concrete – Concrete for rock wall cap shall be Class D (1500 pounds per square inch) in accordance with Section 601 of the Standard Specifications.

12.3 CONSTRUCTION

- A. Excavation of subgrade areas within the proposed new rock wall extension shall provide an embedment depth of no less than 12 inches of new rock wall below grade level and provide drainage patterns as shown on the drawing. Excavation shall be to the construction limits shown on the drawing. The Contractor shall exercise caution while removing the material to prevent damage to any existing rock wall and concrete curb and gutter. The excavated material shall be removed from the job site and disposed of in a lawful manner by the Contractor unless otherwise noted by the Kauai Harbor District and approved by the Harbors Construction Engineer.

- B. Excavated areas and surfaces shall be prepared for construction of rock wall by placing and compacting aggregate base course material under the wall. The new aggregate base course material shall be 6-inch minimum depth. Aggregate base course depth is separate than the depth of new rock wall.
- C. Any damaged existing rocks within the connecting area shall be removed from the area and discarded from State property within a lawful manner by the Contractor. New rocks shall be set to match the lines, grades, and dimensions of the existing rock wall. Rocks shall be placed and adjusted until they are keyed and sit firmly in place to make close joints. Contractor shall place rocks as necessary to provide a stable base for the new concrete rock masonry (CRM) wall.
- D. The new CRM wall shall be constructed to the dimensions shown on the drawings.
- E. Prior to placing the mortar to set the new rock wall, the Contractor shall wet the rocks thoroughly with clean fresh water. Mortar shall be placed between the rocks on the finish face of the rock wall. The mortar shall be rodded between the rocks to ensure placement of the mortar and to fill voids between the rocks. The Contractor shall point and recess the mortar between the joints to a quarter-inch below the rock surface. Excess mortar shall be removed from the rock wall and shall not be visible on exposed rock surface. The texture of recessed pointing shall match the texture of the rock used.
- F. The top of the rock wall shall be finished with a concrete cap and have a two-inch minimum thickness. The top surface of the new cap shall match the appearance and grade of the adjacent existing rock wall.
- G. The Contractor shall install new 6-inch diameter PVC pipe scuppers to provide new drainage openings in the rock wall as shown on the drawing. Scuppers shall be spaced 10-inch on center with length of pipe extending the full width of the new rock wall and sloped to provide positive drainage.

12.4 PAYMENT – Payment for the new rock wall extension shall be made as specified in Article X of these Specifications.

ARTICLE XIII – ASPHALT PAVEMENT BUFFER ZONE

13.1 GENERAL – The work to be done under this Article consists of furnishing all labor, materials, equipment and other expenses necessary to install HMA pavement areas along the existing Jetty Road, Nawiliwili Harbor.

13.2 MATERIALS – The Contractor shall submit for approval one copy in PDF format of catalog cuts of the painting materials it proposes to furnish for this project.

- A. Bituminous Tack Coat - Bituminous tack coat shall be a slow-setting emulsified asphalt, Type SS-1H, conforming to Section 407 of the Standard Specifications.
- B. Asphalt Pavement– HMA Pavement shall be State HMA Pavement Mix No. V conforming to Section 401 of the Standard Specifications.
- C. Aggregate Base Course - Aggregate base course material shall conform to Section 304 of the Standard Specifications.

13.3 CONSTRUCTION CRITERIA

- A. The base excavation and compaction shall be constructed to provide the existing drainage patterns as shown on the drawing.
- B. The completed thickness of the pavement shall vary. Uniform slopes shall be maintained on the finished pavement surfaces. Thinner and thicker pavement surfaces shall be provided to maintain uniform slopes, fill low spots, and minimize ponding.
- C. The new pavement shall be placed to provide a smooth transition between the new pavement and the existing area. The new pavement shall be feathered into existing catch basins, utilities manholes and water valve boxes.
- D. Where more than one course of new asphalt pavement is placed, a tack coat shall be provided between each course.

13.4 CONSTRUCTION

- A. Any existing concrete and excavation material shall be excavated to a depth of 1-1/2-inches and removed from existing buffer zone area. Excavation shall be to the repair limits as shown on the drawing. The Contractor shall exercise caution while removing the concrete and subgrade material to prevent damage to the existing rock wall and concrete curb and gutter. The excavated concrete and subgrade material shall be removed from the job site and disposed of in a lawful manner by the Contractor unless otherwise noted by the Kauai Harbor District and approved by the Harbors Construction Engineer.

- B. Clean the buffer zone area of all loose material, water, dirt, excess dust or other objectionable matter.
- C. Excavated areas and surfaces shall be prepared for the asphalt buffer zone pavement by placing and compacting aggregate base course material. The new aggregate base course material shall be 6-inch minimum depth. Aggregate base course depth is separate than the depth of new asphalt buffer zone pavement.
- D. If necessary, a bituminous tack coat shall be applied on the prepared surface in accordance with Section 407.03 of the Standard Specifications.
- E. New 1-1/2-inch HMA Mix No. V asphalt pavement shall be placed in accordance with Section 401 of the Standard Specifications. The finished pavement shall be placed to satisfy the Construction Criteria paragraph above and to the approval of the Harbor Construction Engineer.

13.5 PAYMENT – Payment for the asphalt pavement buffer zone shall be made as specified in Article X of these Specifications.

RESPONSE TO REQUEST FOR INFORMATION (QUESTIONS)

Questions for solicitation: B24001309
S70157 – Extend Rock Wall at Jetty Road, Nawiliwili Harbor
01/30/2024

1. Will the project/contract be administered by an outside construction manager? If so, which firm?

No, this project is to be managed by the State Department of Transportation.

2. Please confirm that concrete and loose material only needs to be removed as needed for wall installation. All other material to be left onsite.

A. Material needing to be excavated or removed for the installation of the rock wall and asphalt buffer zones are to be removed from the site at no additional cost to the State. Excess debris, trash, etc. on other areas of the Jetty Road are not a part of this project.

3. Please clarify bottom of wall footing location. Is the footing of the wall to be 12-inches below the existing pavement or is the intent to excavate 12-inches below the existing ground? This would mean in some areas that we may need to sawcut and remove existing concrete in the area?

The footing depth (below the changing existing grade elevation) is to be a minimum of 12-inches for the entire length of the new rock wall. This does not include the 6-inch minimum of new aggregate base course material underneath.

- The height of the rock wall (above grade) will vary due to changing elevation of the existing grade.
- The top elevation of the new rock wall (EL= ~9' 0" mean lower low water) will match the existing rock wall and will be level, constant, unchanged for the entire length of the new rock wall.

4. Base course is noted in the asphalt section of the specifications but no base is shown in detail under asphalt. Please clarify if base course is required under new asphalt pavement buffer zone area. If so, please provide section with base course thickness shown.

Please review the revised Articles within this Addendum No. 1 for new information regarding the 6-inch minimum of new aggregate base course material underneath both the new rock wall extension and asphalt buffer zone.

5. Crushed coral is noted in the specifications section 10.14 Item 1. Please clarify if new crushed coral is to be purchased and placed under the wall prior to construction and if so, please provide required thickness for new crushed coral base under wall.

Please review the revised Articles within this Addendum No. 1 for new information regarding the 6-inch minimum of new aggregate base course material underneath both the new rock wall extension and asphalt buffer zone.

6. How long is the extension, height, and thickness of the retaining wall?

The length of the new wall is roughly 225 linear feet.

- The height of the new wall will vary due to explanation in Question No. 3.
- The thickness of the new wall will vary from the top to the footing (due to makai slope of 1/4). Please see detail X/X on the Plans.
- Please review all dimensions and quantities on site before bidding, pre-con meeting, and ordering materials.