

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HARBORS

ADDENDUM NO. 1

TO

SPECIFICATIONS AND PROPOSAL

PAVEMENT REPAIRS AT VARIOUS CONTAINER YARDS,  
HONOLULU HARBOR, OAHU, HAWAII  
PROJECT NO. S10885

June 28, 2023

This Addendum shall make the following amendments to the Bid Documents:

1. TABLE OF CONTENTS

Delete the TABLE OF CONTENTS and replace it with the attached TABLE OF CONTENTS dated r6/28/2023.

2. SPECIFICATIONS

a. ARTICLE X – PROJECT DESCRIPTION

1. Delete page 10-5 and replace it with the attached page 10-5 dated r6/28/2023.
2. Delete page 10-11 and replace it with the attached page 10-11 dated r6/28/2023.

b. ARTICLE XII – PAVEMENT REPAIRS

1. Delete page 12-8 and replace it with the attached page 12-8 dated r6/28/2023.

c. ARTICLE XIII – TRIAXIAL GEOGRID

1. Delete pages 13-1 through 13-3 and replace it with the attached pages 13-1 through 13-3 dated r6/28/2023.

3. PROPOSAL SCHEDULE

Delete page P-7 and replace it with the attached page P-7 dated r6/28/2023.

4. PRE-BID MEETING

A pre-bid meeting for the subject project was held on June 22, 2023, via Microsoft Teams. The pre-bid meeting minutes are attached for your 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.



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DREANALEE K. KALILI

Deputy Director

Department of Transportation, Harbors

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2. Hot Mixed Asphalt (HMA) pavement mix design
  3. Stone Matrix Asphalt (SMA) pavement mix design
  4. Bituminous tack coat material data sheets
  5. **Interaxial** Geogrid
  6. Aggregate base course mix design
  7. Retroreflective Traffic Paint
- A. Worker Credentials:
- Proof of valid Transportation Worker Identification Credential and U.S. Coast Guard Maritime Security credential card for all Contractor and Subcontractor workers.
- B. Best Management Practices Plan

10.8 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 PDF/A format digital file marked up with all the field changes showing the locations, dimensions, areas, and the type of repair work completed shall be submitted to the Construction Engineer.

10.9 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 Construction Engineer and 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 Subcontractor’s employees, their representatives, suppliers, manufacturers, and authorized personnel needing access to the project site shall wear their photo ID card at all times.

Item 2 – Type “A” Repairs. Payment shall be made at the unit price bid per square yard in the Proposal Schedule for Type “A” Repairs. Such payment shall include removing 11-inch deep existing asphalt pavement and base course by cold planing, disposing of existing asphalt pavement and base course materials, compacting the subbase, applying bituminous tack coat, placing new 6-inch thick HMA Base (HMAB) course, applying bituminous tack coat, and placing new 5-inch thick State Mix No. III or Superpave 19mm HMA pavement, compaction testing, and all other incidental work required to complete this item.

Item 3 – Type “B” Repairs. Payment shall be made at the unit price bid per square yard in the Proposal Schedule for Type “B” Repairs. Such payment shall include removing an acceptable width (depending on the cutting width of the cold planer) and a depth of nine inches of existing asphalt pavement and base course by cold planing, disposing of existing asphalt pavement and base course materials, compacting the subbase, applying bituminous tack coat, placing new six-inch thick HMAB course, applying bituminous tack coat, placing new three-inch thick SMA pavement, compaction testing, and all other incidental work required to complete this item.

Item 4 – Type “C” Repairs. Payment shall be made at the unit price bid per square yard in the Proposal Schedule for Type “C” Repairs. Such payment shall include removing 3-inch deep existing asphalt pavement by cold planing, disposing of existing asphalt pavement materials, cleaning the existing asphalt pavement surfaces, applying bituminous tack coat, and placing new 3-inch thick State Mix No. III or Superpave 19mm HMA pavement, compaction testing, and all other incidental work required to complete this item.

Item 5 – Unsuitable Subbase Repair. Payment shall be made at the unit price bid per cubic yard in the Proposal Schedule for Replacing Subbase. Such payment shall include removing 12-inch deep unsuitable subbase, disposing of unsuitable subbase materials, placing and compacting new 12-inch thick aggregate base course, and all other incidental work required to complete this item.

Item 6 – **Interaxial** Geogrid. Payment shall be made at the unit price bid per square yard in the Proposal Schedule for **Interaxial** Geogrid. Such payment shall include installing new **interaxial** geogrid material and all other incidental work required to complete this item.

Item 7 – Pavement Markings. Payment for pavement markings shall be made at the unit price bid per lineal foot in the Proposal Page for Pavement Markings. Such payment shall include laying out control points, cleaning pavement surfaces, placing new pavement markings, and all other incidental work required to complete this item.

2. New aggregate base course shall be placed to conform to Section 304.03 of the Standard Specifications.
  3. New **interaxial** geogrid material shall be placed. For **interaxial** geogrid specifications, see Article XIII of these Specifications.
- E. The Contractor shall hire an independent qualified testing lab to verify asphalt pavement compaction requirements using field compaction testing in accordance with American Society for Testing and Materials (ASTM) D2950, density test method by nuclear methods. Tests shall be performed at the minimum rate of 3 tests per 1,000 square yards.

12.5 PAYMENT – Payment for pavement repairs shall be made as described in Article X of these Specifications.

## ARTICLE XIII – INTERAXIAL GEOGRID

13.1 DESCRIPTION – The work to be done under this Article consists of furnishing all labor, materials and equipment necessary to install an interaxial geogrid on a prepared surface.

### 13.2 MATERIALS

- A. General. Unless otherwise indicated in the contract documents, geogrid shall be manufactured from a punched and drawn polypropylene material that has been formed by regular network of integrally connected, multi-directional tensile elements of appropriate orientation, size, and shape with apertures of appropriate size and shape to allow interlocking with the unbound aggregate or base course materials. The combination of the two materials creates an improved mechanically stabilized layer with significantly improved properties and performance capabilities that quantifiably allows a designer to modify aggregate and/or pavement sections.
  
- B. Geogrid Acceptance. The manufacturer’s certificate of compliance and certified test results from a nationally accredited U.S. testing laboratory on the product, tested within six months of the submittal date, shall be submitted for approval. Additionally, the following shall be included in the submittal:
  - 1. Manufacturer’s name, current address, and telephone number.
  - 2. Manufacturer’s current Quality Assurance / Quality Control Manual.
  - 3. Full product name by trademark and product number.
  - 4. Geogrid polymer type(s).
  - 5. Recommended overlap.
  - 6. Six square yards of geogrid sample. Geogrid sample shall conform to requirements of Subsection 13.2.C – Sampling.
  
- C. Sampling. Sampling shall be in accordance with ASTM D4354.
  
- D. Physical Properties. Physical property values in these specifications represent minimum average roll values and are included for quality assurance purposes only. Average test results for any individual roll tested within a lot sampled shall meet or exceed specified values.
  
- E. Packaging. Geogrids shall be provided in roll form of length and width to meet requirements.

- F. Identification. Unless otherwise indicated in the contract documents, geogrid shall be identified in accordance with ASTM D4873 and this subsection. Include the following information:
1. Unique roll number serially designated.
  2. Manufacturer's lot number or control numbers.
  3. Name of geogrid manufacturer.
  4. Date of manufacture.
  5. Product brand name.
  6. Manufacturer's style or catalog designation of the geogrid.
  7. Roll width, in feet.
  8. Roll length, in feet.
  9. Net weight of geogrid.
- G. Storage and Handling. Geogrids shall be stored and handled in accordance with ASTM D4873 and this subsection. During shipment and storage, material shall not be exposed to sunlight or other forms of light that contain ultraviolet rays, for more than 6 months.
- H. Geogrid Pavement Modification Material. Material shall be Tensar InterAx NX850 Geogrid, as manufactured by Tensar International Corporation, or approved equal.

### 13.3 CONSTRUCTION

- A. Site Preparation. Compact subbase properly.
- B. Installation. Unroll geogrid smoothly on prepared surface in longitudinal direction. Do not drag geogrid. Remove wrinkles and folds by stretching and anchoring. Overlap adjacent rolls of geogrid along the sides and ends a minimum of one foot.
- C. Geogrid Placement. Hold geogrid in place by pins, staples, or piles of aggregate base course material. On curves, cut geogrid to conform to curve, with appropriate overlap. Install overlap in direction of aggregate base course material placement.



13.4 PAYMENT – Payment for triaxial geogrid shall be made as described in Article X of these Specifications.

PAVEMENT REPAIRS AT VARIOUS CONTAINER YARDS,  
HONOLULU HARBOR, OAHU, HAWAII

JOB S10885

PROPOSAL SCHEDULE

Item No.	Item Description	Approx. Quantity (a)	Unit	Unit Price (b)	Amount Bid (a x b)
1	Mobilization and Demobilization	1 Job	Lump Sum	Lump Sum	\$ _____
2	Type "A" Repairs	2,500	Square Yard	\$ _____	\$ _____
3	Type "B" Repairs	550	Square Yard	\$ _____	\$ _____
4	Type "C" Repairs	5000	Square Yard	\$ _____	\$ _____
5	Unsuitable Subbase Repairs	100	Cubic Yard	\$ _____	\$ _____
6	Interaxial Geogrid	90	Square Yard	\$ _____	\$ _____
7	Pavement Markings	2,000	Lineal Foot	\$ _____	\$ _____
TOTAL AMOUNT FOR COMPARISON OF BIDS \$ _____					

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. If there is a conflict between this specification and its HiePRO solicitation, the Specifications shall govern and control unless otherwise specified.

Bids shall 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.

## MINUTES TO MEETING

PROJECT: Pavement Repairs at Various Container Yards, Oahu, Hawaii - Job S10885

DATE: June 22, 2023

TIME: 10:00 a.m.

PLACE: Microsoft Teams Meeting

IN ATTENDANCE:

Name	Company/Organization	Email
Emmanuel Legaspi	Hawaii Department of Transportation, Harbors	emmanuel.b.legaspi@hawaii.gov
Jason Ames	Grace Pacific LLC	james@gracepacific.com
Cole Millare	Grace Pacific LLC	cmillare@gracepacific.com

ITEMS OF DISCUSSION:

1. Review of the HIEPRO Solicitation - General Information as follows:

- Solicitation No., Title, and Description
- Offer Due Date & Time
- Contract Start Date
- Contract End Date
- Attachments

2. Question: What is the Engineer's estimate?

Response: For “as-needed” projects the estimate is not included in the bid document. Bidders may refer to Section 2.24 of the Special Provisions, Performance and Payment Bond, “...amount, although the cost estimate may be more or less than that amount.”

3. Question: Is this the same bid as “B23001574 S10863 Pavement Repairs at Various Locations, Honolulu Harbor” that bid in early 2023?

Response: No.

4. Question: What is the difference between this project and “B23001574 S10863 Pavement Repairs at Various Locations, Honolulu Harbor” that bid in early 2023?

Response: This project consists of only container yards, mainly Piers 1, 51, 52, and 53. The earlier project includes container yards, pier aprons, roadways, and other areas within the harbor.

5. Question: HlePRO shows that “B23001574 S10863 Pavement Repairs at Various Locations, Honolulu Harbor” has been awarded. Will this project be done in conjunction with “B23001574 S10863 Pavement Repairs at Various Locations, Honolulu Harbor”?

Response: No.

6. Question: Is Proposal Item 1 “Mobilization and Demobilization” a lump sum amount for the life of the contract?

Response: No. Lump sum amount is for each work order issued.

7. Question: Is Proposal Item 1 “Mobilization and Demobilization” a unit price for each work order issued to the Contractor?

Response: Yes.

8. Question: Is there a contract time for each work order issued?

Response: Yes.

9. Question: Please confirm that Bid Item No. 1 – Mobilization is to be paid on a “per-work order” basis.

Response: One work order shall include a mobilization/demobilization payment for different areas (ex. three or more) as established by Harbors District/Construction/tenants. This means the Contractor is paid their bid amount for this item for all areas to be paved for the first work order, another same amount for the second work order, and so on.

10. Question: Article XII Section 5D states “D. Asphalt Binder shall be Performance Grade (PG) 64E-22 for Types “A”, “B”, and “C” Repairs and shall conform to Section 702 of the Standard Specifications.” Types A and B repairs also include Hot Mixed Asphalt Base (HMAB) Course; does asphalt binder for HMAB Course need to be PG 64E-22 as well?

Response: No, asphalt binder for HMAB course need not be PG 64E-22, PG 64-16 is fine.

11. Question: What is the difference between this project and “Pavement Repairs at Various Locations, Honolulu Harbor” that bid in March 2023?

Response: This project consists of only container yards, mainly Piers 1, 51, 52, and 53. The other project includes container yards, pier aprons, roadways, and other areas within the harbor.

12. Question: HiePRO shows the contract start date as November 1, 2023, and contract end date as January 31, 2024. However, Specifications state that this is a year-long contract. Please advise which is correct?

Response: Sorry for the typo, the correct contract end date is October 31, 2024.

13. Question: The Proposal has a Liquidated Damages provision of “\$225.00 for each and every calendar day which the Contractor has delayed the completion of this project.” How is the contract time determined?

Response: As stated in Article X Section 10.12, “The completion time of this contract shall be for twelve (12) months commencing from the date indicated in the “Notice to Proceed” from the Construction Engineer.”