

**STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HARBORS**

**ADDENDUM NO. 1
FOR
REPAIR FENCING AT PIER 53,
HONOLULU HARBOR, OAHU, HAWAII
JOB S10845**

January 16, 2024

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

A. NOTICE TO BIDDERS

1. Prospective bidders are hereby notified that the receiving of sealed bids, scheduled for January 17, 2024, at 2:00 p.m., Hawaii Standard Time (HST), is hereby POSTPONED until **January 30, 2024, at 2:00 p.m., HST.**
The attached **NOTICE TO BIDDERS** dated r1/16/2024 will be incorporated and made a part of the original **NOTICE TO BIDDERS**.

B. SPECIFICATIONS

1. Delete **ARTICLE XIII FENCING REPAIRS** dated 11/23/2023 in its entirety, and replace with the attached **ARTICLE XIII FENCING REPAIRS** dated r1/16/2024.

The following is provided for information.

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

1. The attached Response to Request for Information is provided for information.

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


DREANALEE K. KALILI

Deputy Director of Transportation for Harbors

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

The receiving of SEALED BIDS for REPAIR FENCING AT PIER 53, HONOLULU HARBOR, OAHU, HAWAII, JOB S10845, will begin as advertised in HIePRO. Bidders are to 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>.

DEADLINE TO SUBMIT BIDS is January 17, 2024, at 2:00 p.m., Hawaii Standard Time (HST), is HEREBY POSTPONED until **January 30, 2024, at 2:00 p.m., HST**. Bids received after said due date and time shall not be considered.



DREANALEE K. KALILI
Deputy Director of Transportation for Harbors

ARTICLE XIII – FENCING REPAIRS

13.1 GENERAL

A. Section Includes:

- 1) Fence framework, fabric, and accessories.
- 2) Excavation for post bases.
- 3) Concrete foundation for posts.

B. Definitions:

Additional terminology shall be as defined in American Society for Testing and Materials (ASTM) F552.

C. System Description:

- 1) Fence Height: Eight feet nominal, unless indicated otherwise on drawings.
- 2) Line Post Spacing: As indicated on drawings, at intervals maximum 10 feet.

13.2 SUBMITTALS

- 3) Barbed wire on extension arms.

- A. Shop Drawings: Indicate plan layout, spacing of components, post foundation dimensions, and schedule of components.
- B. Product Data: Submit data on fabric, posts, accessories, and fittings.
- C. Samples: Submit samples of fence fabric illustrating construction and colored finish.

13.3 CLOSEOUT SUBMITTALS

Project Record Documents: Accurately record actual locations of property perimeter posts relative to property lines or easements.

13.4 QUALITY ASSURANCE

- A. Supply material in accordance with CLFMI - Product Manual.

- B. Perform installation in accordance with ASTM F567.
- C. Tolerances: Currently published editions of ASTM specification tolerances apply. ASTM specification tolerances supersede conflicting tolerances.
- D. Maintain one copy of each document on site.

13.5 QUALIFICATIONS

- A. Manufacturer: Company specializing in manufacturing products specified in this section with minimum three years experience.
- B. Installer: Company specializing in performing work of this section with minimum three years experience.

13.6 DELIVERY, STORAGE AND HANDLING

- A. Deliver, store, protect and handle products with adequate protection against damage.
- B. Deliver fence fabric and accessories in packed cartons or firmly tied rolls.
- C. Identify each package with manufacturer's name.
- D. Store fence fabric and accessories in secure and dry place.

13.7 COORDINATION

Coordinate work with work of others.

13.8 WARRANTY

- A. Provide warranty for minimum two years for chain link fence installation. Include coverage for polyvinyl chloride (PVC) coating against delaminating, cracking, crazing, blistering, peeling, chalking or fading.
- B. Surety shall not be liable for warranty beyond one year.

13.9 MATERIALS – All materials shall be hot-dipped galvanized unless otherwise specified.

- A. Chain link fabric for fence shall be PVC coated over a zinc coated steel wire. The wire used in the fabric shall be No. 9 gauge with a zinc coating of 0.30 ounces per square foot minimum. Mesh size shall be two inches. The PVC coating shall be applied by thermal fusion bonding and shall have a minimum thickness of seven mils. The color of the PVC coating shall be dark green. The minimum breaking strength of the PVC coated wire shall be 1,200 pounds. Fabric shall comply with

ASTM F668 Class 2.b. The mesh for the fencing shall be woven with twisted and barbed salvage at both top and bottom.

- B. Posts, top rails and braces shall be fabricated from Schedule 40 galvanized steel pipe conforming to ASTM F1083. All steel pipe shall be coated on the outside with PVC. The PVC coating shall be applied by the thermal fusion method and shall be 10-15 mil. The color of the coating shall be dark green. All posts shall be of a total length of not less than the depth of the concrete footing plus the height above ground and as specified on the drawings.
- C. Bolts and nuts shall be Type 316 Stainless Steel.
- D. Fittings shall be pressed steel or cast iron and coated with a 10-15 mil thickness PVC coating. All posts shall be fitted with approved tops and barb arms designed to fit securely over the posts, and the top rail shall pass through the base of these tops. All components of the fence except for the barbs, bolts, washers and nuts shall be coated with 10-15 mil thickness PVC coating. Fittings and accessories shall comply with ASTM F626.
- E. Barbed wires shall consist of three 12 ½ gauge galvanized wire with 14 gauge 4-point barbs spaced approximately five inches apart. Strands (except barbs) shall be coated with a seven mil minimum thickness PVC coating. Barbed wire shall conform to the requirements of ASTM A121.
- F. Tension wire shall be seven gauge galvanized steel wire with a 0.30 ounces per square foot minimum weight of zinc coating. The wire shall be coated with a seven mil minimum thickness PVC coating.
- G. Tie wire shall be nine gauge galvanized steel wire with a 0.30 ounces per square foot minimum weight of zinc coating. The wire shall be coated with a seven mil minimum thickness PVC coating. The tie wires shall be spaced on line posts at intervals of approximately 12 inches, and on top rails, brace rails and tension wires at intervals of approximately 12 inches.
- H. Concrete for fence post footings shall be Class B, (2500 psi) in accordance with Section 601 of the Standard Specifications.

13.10 COMPONENTS

- A. Line Posts: As indicated on drawings.
- B. Corner and Terminal Posts: As indicated on drawings.
- C. Top, Intermediate and Bottom Rail: As indicated on drawings.
- D. Tension Wire: As indicated on drawings.

- E. Stretcher Bar: As indicated on drawings.
- F. Truss Rod with Turnbuckle: As indicated on drawings.
- G. Tie Wire: As indicated on drawings.

13.11 ACCESSORIES

- A. Caps: Ball type, cast steel galvanized, or malleable iron galvanized, size to post diameter, set screw retainer.
- B. Extension Arms: Galvanized pressed steel, PVC coated, to accommodate three strands of barbed wire, single arm, sloped 45 degrees.
- C. Fittings: Sleeves, bands, clips, rail ends, tension bars, fasteners and fittings; galvanized steel.

13.12 FINISHES

- A. Components: In accordance with ASTM F1043, apply supplemental coating of 10 to 15 mils of thermally fused PVC over galvanizing. Color shall match wire fabric. Components not suited for PVC shall be coated with an epoxy paint system of minimum 14 mils dft, as follows:
 - 1) Clean surfaces according to Society for Protective Coatings Surface Preparation 1 and apply a wash primer at 0.5 to 1.0 mils dry film thickness (DFT).
 - 2) Apply one coat of cycloaliphatic amino epoxy at 5 to 7 mils DFT.
 - 3) Apply two coats of aliphatic acrylic polyester polyurethane at 3 mils per coat.
- B. Hardware: Galvanized to ASTM A153.
- C. Accessories: Apply PVC coating of minimum 10 to 15 mils, except for fasteners. Color shall match wire fabric.

13.13 EXAMINATION

- A. Verify that field conditions are acceptable and are ready to receive work.
- B. Beginning of work means installer accepts existing surface and substrate conditions.

13.14 INSTALLATION

A. General:

Install framework, fabric, and accessories in accordance with ASTM F567 and as noted on drawings.

B. Post and Rail Installation:

- 1) Any sand, dirt, rocks and other debris shall be removed from the fence line so that the fence can be installed level with the adjacent fence. Existing signs on the fence shall be carefully removed and stored for reinstallation on the new fence. The entire fence shall be removed to the limits shown in the plans. The existing fence posts shall be removed at least three inches below the top of the existing ground. The portion of the fence posts to remain shall be filled with grout. The resulting holes shall be filled with dirt. Cold patch asphalt pavement shall be placed on the new dirt surface. Bushes and plants along the fence shall also be removed. All removed materials shall be properly disposed of by the Contractor away from the project site.
- 2) Excavate holes for posts to diameter and spacing indicated on drawings without disturbing underlying materials. Contractor responsible to remove dirt and plants from fence line.
- 3) Center and align posts. Place concrete around post and vibrate or tamp for consolidation. Verify vertical and top alignment of post and make necessary corrections.
- 4) Set top of concrete footings flush with finish grade. Extend top of concrete footing one inch and form crown to shed water, unless indicated otherwise.
- 5) Allow concrete to cure for minimum seven days before installing fabric and other materials attached to posts.
- 6) Install posts with six inches maximum clear opening from end posts to buildings, fences and other structures, unless indicated otherwise.
- 7) Set intermediate and terminal posts plumb in concrete footings or concrete walls, as shown on drawings.
- 8) Line Post Footing Depth Below Finish Grade: As indicated on drawings.
- 9) Corner and Terminal Post Footing Depth Below Finish Grade: Follow ASTM F567, unless indicated otherwise.
- 10) Brace each corner post to adjacent line post with diagonal brace rail and diagonal truss rods. Install brace rail one bay from end posts.
- 11) Install top rail through line post tops and splice with six inch long rail sleeves.

12) Install tension wire at bottom of fence fabric as indicated on the drawings.

C. Chain-Link Fabric Installation:

- 1) Place fabric on outside of posts and rails, unless shown otherwise.
- 2) Do not stretch fabric until grout for sleeves has cured 14 days.
- 3) Stretch fabric between terminal posts or at intervals of 100 feet maximum, whichever is less.
- 4) Fasten fabric to top, intermediate and bottom rails, line posts, truss rods, stretcher bars and with tie wire at 12 inches on centers, unless shown otherwise.
- 5) Attach fabric to end and corner posts with stretcher bars and stretcher bar clips.

D. Barbed Wire Installation:

- 1) Install support arms sloped inward and attach barbed wire, tension and secure.
- 2) Install barbed wire tight without sags.

E. The removed signs shall be reinstalled in the original locations on the new fence with new hardware.

13.15 ERECTION TOLERANCES

- A. Maximum Variation From Plumb: 1/4 inch.
- B. Maximum Offset From Indicated Position: One inch.
- C. Minimum distance from property line: Six inches.

13.16 FINAL TOUCH-UP

Just prior to Substantial Completion Inspection, touch-up and restore damaged or defaced coating surfaces, with coating material specified under Paragraph 13.12 Item C so that unblemished coating work may be reviewed at time of Substantial Completion. There shall be no bare metal visible.

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

**Response to Request for Information (RFI/Questions) for solicitation: B24001165
S10845 - Repair Fencing at Pier 53, Honolulu Harbor
January 3, 2024**

1. Is there a site visit scheduled so that existing conditions can be verified?

Response: There are no scheduled guided site visits for the subject project, however, Areas 1 and 2 can be viewed from outside of the secured areas.

2. In area 3 is the fence line on the property line? If so, how is the work supposed to be done if we are not allowed to encroach on Coast Guard property to accomplish the work?

Response: The wall and fence reside on the Container Yard side of the property line. The wall should not be demolished, so work within the Container Yard should be achievable.

3. In Area 1 is the new fence in the same location as the existing fence? If so, how do we excavate for the new footings with the existing asphalt curb in the way and what appears to be an existing water line? Is Contractor responsible to restore asphalt curb? Is the waterline live and does it need to be removed and replaced?

Response: The new fence should be installed in line with the existing alignment. Exercise caution when working in vicinity of backflow preventer. The AC curb may be temporarily removed to facilitate the Contractor's work. If the AC curb is disturbed, it should be replaced. Waterline is live but should not require relocation since the fence line is along the same alignment.

4. In Area 1 at the west end near the turnstile, plan states to connect to existing gate post. There is no gate. Are we supposed to connect to the turnstile? If so, do we copy how the fence is installed at the turnstile now?

Response: Connect fence to nearest end post of turnstile.

5. For the post installation in Area 3, will sleeves be acceptable to be installed in the new concrete vs trying to install the new post in the new wall. If so, will standard Schedule 40 galvanized pipe be acceptable for sleeve material?

Response: Sleeves would not be acceptable, as they would allow water to collect at the bottom and could accelerate corrosion.

6. Since the work has to follow the dock activities, will additional time be added for any days that we cannot work?

Response: Credit will be given to the Contractor for all days that the Contractor is not allowed to work.

7. Given the award, submittal, and material ordering process, the April 1 start date is unrealistic. Will this be pushed back to accommodate actual time?

Response: As noted in the General Comments in the HlePRO solicitation, Contract Start and End Dates shown in the HlePRO solicitation are estimates. The exact dates shall be provided by written notice from the Harbors Construction Engineer. Upon award, the Contractor shall work with the Construction Engineer to determine the Notice to Proceed date and the start date of the actual construction.

8. Please clarify the required ID for all workers. Specifications states just a photo ID, then it states a company ID what exactly must all workers have?

Response: Follow 10.4 Harbor Security of the Specifications for all security requirements. Some of the requirements are for entry into the secured area and will be checked by the guard at the gate. Some of the requirements are to be worn at all times while in the secured area.

9. Clarify the TWIC requirement. In past projects we were allowed to have five workers for each TWIC card holder. Will this be allowed or will all workers entering the jobsite have to have a TWIC?

Response: The tenant for the area determines the security requirements. For this project, assume that TWIC escorting will not be allowed.

10. Fence specifications state that all pipe to meet ASTM F1083. This is domestic pipe and very expensive. Will standard ASTM A53 Schedule 40 pipe be acceptable?

Response: Fence does not need to meet ASTM F1083. Relevant Specifications section shall be amended.

11. Fence Specifications under submittals states that "manufacturer's installation instructions" are to be submitted. All fence is installed to meet ASTM F567 and manufacturers don't have installation for commercial installations. Will these instructions really need to be submitted?

Response: Instructions will not need to be submitted. Fence will be installed to meet ASTM F567. Specifications 13.2 to be revised.

12. Under Fence Specifications 13.3. can this requirement be deleted since the new fence has to follow the existing lines?

Response: Specifications 13.3 will not be deleted. If the existing alignment is followed, the State may choose to omit this requirement. Regardless, the Contractor shall submit as-builts.

13. Fence Specifications 13.9 C, states that washers to be used. Washers are not part of standard fence installation. If washers are required, please indicate exactly where they are to be installed.

Response: Washers will not be required. Specifications 13.9C to be revised.

14. Clarify the required thickness of the PVC coating on new material. Fence Specifications 13.9 states 7 mil thick on fabric and fittings, and 10 mil on pipe. But 13.12 states that coating is to be 10-15 mil. What is required?

Response: 10-15 mil required. Specifications 13.9 to be revised.

15. Clarify Fence Specifications 13.12B states hardware to be galvanized with 2.0 oz/square foot. Exactly what hardware is this referring to? If it is fence components, this cannot be achieved since the galvanizing thickness is not 2.0 but governed by the specific ASTM for that material.

Response: Hardware galvanizing thickness to be governed by ASTM. Specifications 13.12B to be revised.

16. Fence Specifications 13.14B7 states to install terminal post as shown on the plans, there are no pull post shown on the plans can we assume that there are no pull post required?

Response: Pull posts should be installed to facilitate installation of chainlink mesh. Pull posts should be similar to end post in chainlink fence detail.

17. In Area 3 is the existing wall level with no steps or slopes? If not, please provide a wall profile.

Response: The wall has sloped sections that are 1 span long throughout its run. However, since the scope consists of replacing the fence in place, a profile was omitted.

18. Fence Specifications 13.14B10 states to install horizontal brace rails at ends. But, details shows a diagonal brace, what is required?

Response: Diagonal brace as depicted in detail is required. Specifications 13.14B10 to be revised.

19. Fence Specifications 13.14C4 states to install ties on post, 15 inch on center. But plans show ties on post to be 12 inch on center, what is required?

Response: Ties to be spaced 12 inch on center. Specifications 13.14C4 to be revised.

20. Fence Specification 13.14E states to re-install signs with new hardware. Please confirm that the new hardware is to match the existing hardware. If not, please provide details for what is required.

Response: New hardware shall match existing hardware.

21. In Area 3 the plans appear to show that the new post will be in the same location as the existing post. Can the new post be offset from the existing post to allow for the existing post to remain in place to use as temporary security. If not, how will temporary security be maintained without any post?

Response: It is recommended to locate new posts in the same location as the existing post in Area 3. If the posts are offset, it is the Contractor's responsibility to ensure that the existing wall reinforcing is not damaged while demolishing and removing the existing embedded post. It is the Contractor's responsibility to maintain the same level of security during the duration of the project as noted in 10.1 General of the Specifications.