

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ADDENDUM NO. 1

FOR

BRIDGE JOINT REPAIRS
AT VARIOUS LOCATIONS
ISLAND OF OAHU
PROJECT NO. HWY-OM-2021-51

December 15, 2021

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

- A. NOTICE TO BIDDERS - Prospective bidders are hereby notified that the receiving of bids, scheduled for 2:00 P.M., December 22, 2021 via HiePRO, is hereby POSTPONED until 2:00 P.M., January 6, 2022. The attached NOTICE TO BIDDERS dated 12/15/2021 will be incorporated and made a part of the original NOTICE TO BIDDERS.
- B. SECTION 110 – CONTRACT REQUIREMENTS – Delete SECTION 110 CONTRACT REQUIREMENTS and replace it with the attached SECTION 110 CONTRACT REQUIREMENTS, dated 12/15/2021.
- C. SECTION 520 – BRIDGE JOINT REPLACEMENT – Add and make a part of the specifications the attached SECTION 520 BRIDGE JOINT REPLACEMENT.
- D. APPROVED SUBSTITUTION REQUEST – The following items hereinafter listed are approved as equal to the previously specified items, provided all requirements of the contract documents are met.

Approval shall not in any circumstance be construed as an approval for deviations from the contract documents unless the entity seeking such approval has, in writing, specifically called the Engineer's or the approving agency's attention to each such deviation at the time of submission. Said entity and/or Contractor shall be responsible for coordination of the work pertinent to affected materials, equipment, and labor to insure proper execution of the work as per the intent of the contract documents.

Section/Item	Specified Brand	Substitute of Alternate Brand
Figure 1, General Notes	Silspec 900 PNS	Fastrac CE700 HPC
Figure 1 and 4, General Notes	Simpson AT-XP	Fastrac CE408 Gold
Figure 4, General Notes	Sika Armatex 110	Fastrac CE220 LPL
Figure 4, General Notes	SikaQuick 1000	Fastrac 246 Mortar HPC

The following is provided for information:

- E. QUESTIONS & ANSWERS – Attached are answers to questions submitted via HiePRO.
- F. PRE-BID MEETING – Attached is a summary sheet of the Pre-Bid meeting held on 12/1/2021.

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.



JADE T. BUTAY
Director of Transportation

NOTICE TO BIDDERS
(Chapter 103D, HRS)

The receiving of SEALED BIDS for BRIDGE JOINT REPAIRS AT VARIOUS LOCATIONS, ISLAND OF OAHU, PROJECT NO. HWY-OM-2021-51, scheduled for 2:00 P.M., Wednesday, December 22, 2021, via HlePRO, is HEREBY POSTPONED until 2:00 P.M., Thursday, January 6, 2022.



JADE T. BUTAY
Director of Transportation

1 Make this section part of the standard specifications:

2
3 **“SECTION 110 – CONTRACT REQUIREMENTS**

4
5 **110.01 Scope of Work.** The work shall consist of furnishing all labor, necessary
6 equipment, and materials ~~and traffic control~~ to repair bridge joints at various locations on
7 the ~~H-3 Freeway on the~~ Island of Oahu as requested by the Department by way of work
8 orders during the term of the contract.
9

10 All work shall be performed in a professional manner in accordance with
11 current practices and this document. All debris shall be removed daily at all locations.
12 See Subsection 110.03 – Area of Coverage.
13

14 Order for bridge joint material must be placed within two (2) weeks upon notice by
15 the Engineer. Repair must begin within two (2) and no longer than six (6) weeks upon
16 receipt of the material. At its discretion, the State may provide bridge joint to be installed
17 by the Contractor
18

19 The Contractor shall work as directed by the Engineer or by the Highways
20 Division's Oahu District Maintenance Engineer.
21

22 The Contractor shall possess an “A” General Engineering Contractor's license for
23 the full term of the contract, and shall have possessed the license and have performed
24 similar work for at least two years prior to the bid date. Failure to meet this requirement
25 shall be cause for disqualification.
26

27 **110.02 Contract Period and Option to Extend.** The period of the contract shall
28 be for 12 months commencing from the date indicated in the “Notice to Proceed” from
29 the Department. There is an option to extend for four (4) additional 12 month periods,
30 without re-bidding, upon mutual agreement in writing prior to the contract expiration
31 date, ~~provided the initial bid price remains the same~~. The maximum contract period is
32 60 months.
33

34 Failure by the Contractor to execute the amendment to extend the contract within
35 the number of days specified under Section 103.07 - Failure to Execute Contract may
36 be cause for cancellation of the written agreement to extend the contract and may be
37 subject to disqualification from bidding future projects for a two-year period in
38 accordance with Section 102.12 - Disqualification of Bidders.
39

40 At the beginning of each twelve (12) month extended period, the cost of bid items No.
41 520.1000 Bridge Joint Supplied (Joint A), 520.2000 Bridge Joint Installation (Joint A),
42 520.3000 Bridge Joint Supplied (Joint B), and 520.4000 Bridge Joint Installation (Joint
43 B), will be automatically increased by the percent change of the annual U.S. City
44 Average, Consumer Price Index for All Urban Consumers (CPI-U) from the previous
45 calendar year (percent change from the previous December). Increases will be capped
46 at 5% per twelve (12) month period.
47

110.03 Area of Coverage. The project requires the Contractor to repair bridge joints on the **H-3 Freeway on the** Island of Oahu. The locations are:

- **H-3, North Halawa Valley Highway, Bridge No. 3, Sta 469+05 ±**
- **H-3, Windward Viaduct, Sta 197 + 46.91 ±**
- **H-3, Windward Viaduct, prior to Sta 197 + 46.01±**

110.04 Safety and Convenience. The Contractor shall at all times conduct his work to assure the least possible obstruction to public traffic. The Safety and convenience of the general public and the protection of persons and property is of utmost importance, and the Contractor shall provide appropriate traffic control and safety measures. The Contractor and his employees shall treat members of the public in a fair and polite manner. Workers shall present a professional appearance and conduct themselves in a professional manner at all times.

All Traffic Control and safety measures shall be done in Conformance with the "Administrative Rules of Hawaii Governing the Use of Traffic Control Devices at Work Sites on or Adjacent to Public Streets and Highways" adopted by the Director of Transportation, and the current U.S. Federal Highway Administration "Manual on Uniform Traffic Control Devices (MUTCD), 2009 Edition. Costs for traffic control shall include set-up and removal of all signs, cones, delineators, barricades, flag persons, police officers, arrow boards, etc., and shall be provided by the Oahu District.

The Contractor must notify all private property owners in the vicinity where bridge joint repair is performed in the event that the work may hinder access to their property. The Contractor must also secure permission prior to entering private property to do bridge joint repair, if any.

The Contractor shall remove debris daily and shall leave the work site in a condition equal to or cleaner than prior to commencing work. The Contractor shall be responsible for all hauling and lawful disposal of debris. Any unauthorized or illegal disposal is grounds for termination of the contract.

110.05 Hours of Operation. The Contractor shall be available to provide the specified services during normal working hours and complete the services within the period specified in the work order or as directed by the Engineer.

Normal working days and hours ~~will be determined by the Engineer.~~ are as follows:
Full closure, weekend (Friday to Monday), 9:00 pm to 4:00 am (55 hours)

All services requested after normal work hours may be charged in accordance with Subsection 107.04 – Overtime and Night Work.

110.06 Disposal of Debris. The Contractor shall be responsible for all hauling and dump fees and shall include the cost of these items in his bid. Any unauthorized or illegal disposal is grounds for termination of the contract.

95 **110.07 Work Orders.** The Engineer or his representative will email, phone, or text
96 a work order (Figure 8) for each bridge joint work. Within 48 hours of receiving a work
97 order, the Contractor shall submit a proposed work schedule that demonstrates that
98 work will begin within 2 weeks and be completed by the date indicated on the work
99 order. At certain work sites, erosion control plans or BMP plans will be requested by
100 the Engineer. Submit the signed work order, proposed schedule and BMP plans for
101 approval to the Highways Division District Office, District 727 Kakoi Street, Honolulu,
102 Hawaii 96819. Work shall not be performed unless the Contractor receives an
103 approval from the Engineer. The Engineer or his representative shall authorize any
104 increases in the total price.

105
106 **110.08 Basis of Payment.** Pavement repairs will be made through purchase
107 orders placed with the Contractor during the contract period for which payment will be
108 based on the quantities placed and the unit bid prices in the proposal schedule which
109 prices shall include payment for all materials, equipment, tools, labor, and incidentals
110 necessary to complete the pavement repairs.

111
112 The Contractor shall submit monthly invoices to the Oahu District Office, District
113 Engineer, 727 Kakoi Street, Honolulu, Hawaii 96819, if services are rendered. (See
114 Subsection 109.08 - Progress Payments).
115

116
117 **END OF SECTION 110**

1 Make the following Section a part of the Standard Specifications:

2
3 **“SECTION 520 – BRIDGE JOINT REPLACEMENT**

4
5 **520.01 Description.** This work includes the fabrication of new bridge joints,
6 removal and disposal of existing bridge joints, cleaning and preparing the
7 concrete surface, and the installing of the new bridge joint systems.

8
9 **520.02 Materials.** Materials shall be as shown on the Contract Documents.

10
11 **520.03 Construction Requirements.** Completely remove existing joint
12 system. Remove all traces of foreign substances. Additional cleaning and
13 abrasive blasting may be necessary to obtain adequate surface condition for
14 installation of the joint. Compressed air shall be free of moisture, oil and
15 contaminants.

16
17 Contractor shall field verify the existing bridge dimensions and the existing
18 expansion joint dimensions prior to fabrication of steel. Notify the engineer of any
19 major discrepancies in the existing dimensions.

20
21 All fabricated steel expansion plate sections shall be welded. All locations where
22 steel plates and/or rectangular bars touch shall be welded with a minimum fillet
23 weld as noted in the General Notes, unless otherwise noted on the drawings

24
25 All fabricated steel expansion plate sections, anchor rods and assemblies, shall
26 be hot-dip galvanized after fabrication. All hot-dip galvanized areas that are field
27 welded shall be repaired in accordance with Section 501.03(G) of the Hawaii
28 Standard Specifications.

29
30 **520.04 Measurement**

31
32 **(A)** The Engineer will pay for the accepted bridge joint, supplied at the
33 contract price per each according to the contract. The price
34 includes full compensation for the fabrication and delivery of the
35 bridge joint; furnishing materials (nuts, bolts, washers, plates, joint
36 support anchors); equipment; and incidentals necessary to
37 complete the work.

38
39 **(B)** The Engineer will pay for the accepted bridge joint installation, at
40 the contract price per each according to the contract. The price
41 includes full compensation for removing and disposing the existing
42 bridge joint; installation of the new bridge joint; and furnishing labor;
43 material (repair mortar, bonding agent, joint nosing, joint sealant,
44 neoprene, threaded rod anchor system); equipment; tools; and
45 incidentals necessary to complete the work.

(C) The Engineer will measure additional work, if ordered by the Engineer, on a force account basis in accordance with Subsection 109.06 – Force Account Provisions and Compensation.

520.05 Payment. The Engineer will pay for the accepted pay item listed below at the contract price per pay unit, as shown in the proposal schedule. Payment will be full compensation for the work prescribed in this section and contract documents.

The Engineer will pay for the following pay item when included in the proposal schedule:

Pay Item	Pay Unit
Bridge Joint, Supplied _____	Each
Bridge Joint Installation _____	Each
Additional Work	Force Account

END OF SECTION 520

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

BRIDGE JOINT REPAIRS
AT VARIOUS LOCATIONS
PROJECT NO. HWY-OM-2021-51
ISLAND OF OAHU

**PRE-BID MEETING
DECEMBER 1, 2021
11:00 AM**

VIA TEAMS

ATTENDEES: John Williams, HDOT
Dawna Emoto, HDOT
Milissa Ceria, Kiewit Infrastructure West Co.
Jared Schimmelpfenni, Kiewit Infrastructure West Co.
Dom Cueva, Kaikor Construction Company Inc
Nick Schmid, Abhe & Svoboda, Inc.

SUMMARY:

This voluntary Teams Pre-Bid meeting started at 11:00 am.
HDOT introduced the project and requested that all questions be submitted via the HiePRO Question and Answer portal by the deadline (December 6, 2021)

The meeting concluded at 11:08 am.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

BRIDGE JOINT REPAIRS
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PROJECT NO. HWY-OM-2021-51
ISLAND OF OAHU

ANSWERS TO QUESTIONS SUBMITTED VIA HIEPRO

1. Will the staging area provide by DOT?

Response: Yes

2. Will DOT provides the traffic control?

Response: Yes

3. Does this project require a surety bid bond?

Response: Yes, see Section 102.08

4. What is the specific scope of work?

Response: Demo and remove broken joint and replace with new joint per joint replacement drawings. See also Section 520 (previously omitted from file)

5. What specific locations on Oahu are in need or repairs?

Response: Although there are various bridges along H-1, H-2, and H-3 in need of repair, this project (and Figure sheets) refers to joints on H-3 (Halawa and Windward Viaduct).

6. Is there a maximum award amount?

Response: No

7. Is there job Specific Specifications to follow?

Response: Yes. A work order will be issued with each assignment with job specific specifications, some of which may require specific replacement parameters.

8. Will the State of Hawaii DOT handle all traffic controls?

Response: Yes

9. Will the State of Hawaii DOT handle all BMP requirements?

Response: No. The Contractor must provide their BMP plan, submitted during the permit review process. See Section 110.07

10. Confirming that the State will provide all traffic control/full closure of H3 (including special duty officers) during construction as needed?

Response: Yes

11. If State is to provide the bridge joint material to the contractor, what material will be included?

Response: See Section 520, included in Addendum No. 1

12. Confirming that the bridge joint repair locations are only on the H3. If so, please provide site plan of potential repair locations

Response: Yes. The locations are:

- H-3, North Halawa Valley Highway, Bridge No. 3, Sta 469+05 ±
- H-3, Windward Viaduct, Sta 197 + 46.91 ±
- H-3, Windward Viaduct, prior to Sta 197 + 46.01±

To access the H-3 plans, please contact James Fu via email (james.fu@hawaii.gov) or phone (808-692-7611). He will need your email address so that you can access the plans via Sharepoint.

13. Will the contractor be able to work the main construction scope during a full H3 closure from a Friday night (8:30PM) through the weekend to Monday morning (4AM)?

Response: Yes

14. How many joints to be repaired will be issued at one time (per P.O.)?

Response: One PO per joint replacement project

15. For the potential contract extension, because of the volatility/uncertainty of material costs, will the State pay for increases?

Response: Yes, see Section 110.02

16. For the joints on the Haiku side (Type B Joint) of the H3 tunnel, will the State provide access (e.g., access platform and/or truck/rig) for the contractor?

Response: No

17. Please confirm all traffic control related costs will be covered by the state.

Response: Yes, for joint replacement only

18. Please advise if Buy America(n) requirements are applicable to this project.

Response: Buy America requirements are not applicable to this project.

19. Section 520 is missing from the special provisions document. Please provide.

Response: Included in Addendum No. 1

20. Please provide as-built structural plans for both Bridge No. 3 (Inbound) and Windward Viaduct Inbound.

Response: To access the H-3 plans, please contact James Fu via email (james.fu@hawaii.gov) or phone (808-692-7611). He will need your email address so that you can access the plans via Sharepoint.

21. Section 110 states “normal working days and hours will be determined by engineer”. Please provide working hours so all bidders are using the same basis of bid.

Response: H-3 Joint Replacement working hours: Full closure, weekend (Friday to Monday) 9:00 pm to 4:00 am (55 hours)

22. Please advise if full removal and reconstruction of joint system is required prior to opening to traffic.

Response: Yes

23. Please advise if all lanes will be closed and joint to be replaced full-width.

Response: Yes

24. Will HDOT be providing field verified dimensions prior to procurement of steel joint system? If not, will HDOT be providing the traffic control necessary to gather this information?

Response: Yes. Note: Engineer with contractor will perform full measurements before fabrication or purchase of joint.

25. Please provide plan view of existing joint system to be removed for Joint A and advise on the spacing of the existing support boxes called out in Detail A Sheet Q1.

Response: To access the H-3 plans, please contact James Fu via email (james.fu@hawaii.gov) or phone (808-692-7611). He will need your email address so that you can access the plans via Sharepoint.

26. Please provide additional details of existing expansion joint system for Joint B, specifically as it applies to getting access to secure the W8x28 supports inside the box girder.

Response: To access the H-3 plans, please contact James Fu via email (james.fu@hawaii.gov) or phone (808-692-7611). He will need your email address so that you can access the plans via Sharepoint.

27. Per Specification Section 110.01, it is stated that “At its discretion, the State may provide bridge joint to be installed by the Contractor.” Please confirm that the State will furnish all materials at required quantities and dimensions necessary for the installation.

Response: See Section 520, included in Addendum No. 1

28. Please advise if Fastrac CE700 HPC is an acceptable substitution to Silspec 900 PNS. Substitution request emailed to dawna.l.emoto@hawaii.gov on 12/6/2021.

Response: Yes, acceptable

29. Please advise if Fastrac CE408 Gold is an acceptable substitution to Simpson AT-XP. Substitution request documentation emailed to dawna.l.emoto@hawaii.gov on 12/6/2021

Response: Yes, acceptable

30. Please advise if Fastrac CE220 LPL is an acceptable substitution to Sika Armatex 110. Substitution request documentation emailed to dawna.l.emoto@hawaii.gov on 12/6/2021.

Response: Yes, acceptable

31. Please advise if Fastrac 246 Mortar HPC is an acceptable substitution to SikaQuick 1000. Substitution request documentation emailed to dawna.l.emoto@hawaii.gov on 12/6/2021

Response: Yes, acceptable