

**STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION**

**ADDENDUM NO. 2
for
QUEEN KA'AHUMANU HIGHWAY
RUMBLE STRIPS IMPROVEMENTS
MAHA'I'ULA TO KAWAIHAE**

PROJECT NO. 19BC-01-17

The following amendments shall be made to the Bid Documents:

A. TITLE

1. Remove the Title Page and replace it with the attached Title Page.

B. TABLE OF CONTENTS

1. Amend Page 1 of the Table of Contents dated 12/22/16 by removing in its entirety and replacing it with the attached Page 1 of the Table of Contents dated 3/05/17.

C. NOTICE TO BIDDERS

1. Amend the Notice to Bidders pages NB-1 to NB-3 dated 5/18/15 by replacing them with the attached Notice to Bidders pages NB-1 to NB-3 dated 3/05/17.

D. SPECIFICATIONS

1. Amend Special Provisions Section 629 - Pavement Markings pages 629-3a and 629-4a dated 5/20/09 with the attached Section 629 - Pavement Markings pages 629-3a and 629-4a dated 3/05/17.
2. Amend the Special Provisions by adding the attached Section 645 - Work Zone Traffic Control pages 645-1h to 645-2h dated 3/05/17.

E. PROPOSAL

1. Replace Proposal Page P-1 dated 12/21/16 with the attached Proposal Page P-1 dated 3/05/17.

Addendum No. 2
3/06/17

2. Replace Proposal Schedule pages P-11 and P-12 dated 12/22/16 with the attached Proposal Schedule pages P-11 and P-12 dated 3/05/17.

F. PLANS

- a. Amend Plan Sheet Nos. 3, 4, 8, 9, 10, 13, 14, 17 to 22, 24 to 26, and 28 to 30 by replacing them with the attached Plan Sheet Nos. ADD. 3, ADD. 4, ADD. 8, ADD. 9, ADD. 10, ADD. 13, ADD. 14, ADD. 17 to ADD. 22, ADD. 24 to ADD. 26, and ADD. 28 to ADD. 30.

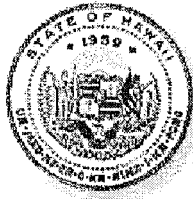
The following are provided for information.

A. PRE-BID MEETING MINUTES AND REQUESTS FOR INFORMATION (RFIs)

- i. The February 3, 2017 minutes of the pre-bid meeting and the attendance sheet are provided for your information. Responses to all RFIs received prior to that date are included in the minutes of the pre-bid meeting.
2. Attached are a list of RFI questions received after the Pre-Bid Meeting and the responses.

Please acknowledge receipt of this Addendum No. 2 by recording the date of its receipt in the space provided on page P-4 of the Proposal.


FORD N. FUCHIGAMI
Director of Transportation



**STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
HONOLULU, HAWAII**

**SPECIAL PROVISIONS
PROPOSAL
CONTRACT AND BOND**

FOR

**QUEEN KA'AHUMANU HIGHWAY
RUMBLE STRIPS IMPROVEMENTS**

MAHAI'ULA TO KAWAIHAE

PROJECT NO. 19BC-01-17

DISTRICTS OF SOUTH KOHALA AND NORTH KONA

ISLAND OF HAWAII

FY 2017

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NOTICE TO BIDDERS

(Chapter 103D, HRS)

SEALED BIDS for:

**Queen Ka'ahumanu Highway, Rumble Strips Improvements,
Mahai'ula to Kawaihae
Project No. 19BC-01-17
Districts of South Kohala and North Kona
Island of Hawai'i**

will be received at the:

 X Contracts Office, Department of Transportation
869 Punchbowl Street, Honolulu, Hawai'i 96813

 X Office of the District Engineer – Hawai'i
50 Maka'ala Street, Hilo, Hawai'i 96720

until 2:00 P.M., March 23, 2017, at which time and place(s) they will be publicly opened and read.

A compact disc containing the plans, specifications, proposal, and contract forms may be obtained from the above offices. Bids (hard copies) shall be submitted in a sealed envelope, and shall be on the Proposal Form provided on the compact disc furnished by said Department. Bids received after the established due date and time will not be considered.

The project includes installing centerline rumble strips, pavement markers, and pavement striping. Estimated construction cost is \$1,000,000 to \$3,000,000.

To be eligible to bid, bidders must possess a valid State of Hawaii General Engineering Contractor's "A" license, Specialty Contractor C-3 Asphalt Paving and Surfacing license or Specialty Contractor C-3a Asphalt Concrete Patching, Sealing, and Striping license, prior to bidding.

The Hawaii Products Preference pursuant to Act 175, SLH 2009, is applicable to this project. Persons wishing to certify and qualify a product as a Hawaii Product shall submit a Certification for Hawaii Product Preference (SPO-Form 38) to the DOT Contracts office no later than 4:30 P.M., fourteen (14) calendar days prior to the bid opening date. Late submittals for this project will not be reviewed by the DOT. A separate SPO-Form 38 shall be completed and submitted for each product. Forms are available at <http://www4.hawaii.gov/StateForms/ShowForm.cfm>.

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

Compliance with Act 68, SLH 2010 is a requirement whereby a minimum of 80% of the bidder's work force on this project **must** consist of Hawaii residents.

A pre-bid conference is set for 9:00 A.M. on February 3, 2017. All prospective bidders or their representatives (employees) are encouraged to attend, but attendance is not mandatory. Persons needing special accommodations at the pre-bid conference due to a disability may contact Project Manager Robert Taira by phone at (808) 933-8866 or by facsimile at (808) 933-8869.

Campaign contributions by State and County Contractors. Contractors are hereby notified of the applicability of Section 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 the legislative body. For more information, contact the Campaign Spending Commission at (808) 586-0285.

The Equal Employment Opportunity Regulations of the Secretary of Labor implementing Executive Order 11246, as amended, shall be complied with on this 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 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 on this project, contact Robert Taira at (808) 933-8866 or by e-mail at Robert.taira@hawaii.gov.

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.


FORD N. FUCHIGAMI
Director of Transportation

On concrete pavements, on HMA pavements more than seven days old, and on HMA pavements paved within seven days containing less than 6 percent bituminous asphalt, pre-stripe application area with binder material, primer, or prime seal coat recommended by pavement marker manufacturer.

Line thickness, as viewed from lateral cross section, shall measure not less than 3/32 inch at edges, and not less than 1/8 inch in center.

Where required by the contract documents to apply new markings over existing markings, eradicate the old markings to the finished grade of the roadway surface by heat or by mechanical grinding. The Contractor shall work in a manner to preempt visible leaching or visible spread of the waste materials that may compromise the clean, finished appearance of the new pavement markings.

Provide finished lines with well-defined edges, free of waviness."

(IV) Amend **Subsection 629.04 - Measurement** by revising lines 292 to 294 to read as follows:

"629.04 Measurement.

(A) Pavement Striping. The Engineer will measure pavement striping per linear foot.

(B) Pavement Markers. The Engineer will measure pavement markers per each."

(V) Amend **Subsection 629.05 – Payment** by revising lines 296 to 324 to read as follows:

"629.05 Payment.

(A) Pavement Striping. The Engineer will pay for the accepted pavement striping at the contract unit price per linear foot basis. Payment will be full compensation for work prescribed in this section and contract documents.

(B) Pavement Markers. The Engineer will pay for the accepted pavement markers at the contract unit price per each. Payment will be full compensation for work prescribed in this section and contract documents.

The Engineer will pay for each of the following pay items when included in the proposal schedule:

| Pay Item | Pay Unit |
|--|-----------------|
| _____-Inch Pavement Striping (Thermoplastic Hot Spray) | Linear Foot |
| Type ____ Pavement Marker | Each" |

END OF SECTION 629

1 **SECTION 645 – WORK ZONE TRAFFIC CONTROL**

2
3 Make the following amendments to said Section:

4
5 **(I) Amend 645.03 (B) Construction Signs** from line 162 to 169 by changing
6 all references to "Construction Signs" to read "**Work Zone Signs**".

7
8 **(II) Amend 645.03 (F) Lane Closure** from line 248 to 278 to read as follows:

9
10 **"(F) Lane Closures.** Provided the minimum number and width of lanes
11 described in paragraph 645.03(K) Minimum Number of Lanes and Lane
12 Widths Lane are provided, lane closures will be allowed only from 8:30 a.m.
13 to 3:00 p.m., Monday through Friday. Exceptions to lane closure hours
14 specified require written acceptance by the Engineer. No increase in
15 contract price or contract time will be given for lane closure restrictions
16 specified.

17
18 For island of Hawaii, no lane closures will be allowed during 24-hour
19 periods as follows:

- 20
21 (1) Holidays (Midnight to Midnight).
22
23 (2) Day before and day after Thanksgiving Day (Midnight to Midnight).
24
25 (3) Holiday period for Christmas and New Years (Two Weeks prior to
26 Christmas and the week between Christmas and New Years).
27
28 (4) Ironman Triathlon in Kona in October (No construction work during
29 the period three weeks prior to the event).
30
31 (5) Other dates of events indicated in the contract documents.

32
33 No time extension will be given for the above restrictions. The contract
34 time for the project has accounted for any loss of time due to the above
35 restrictions.

36
37 Keep lanes open to traffic and allow flow at normal posted speed limit
38 during nonlane-closure hours."

39
40 **(III) Amend 645.03 Construction** by adding the following after line 393:

41
42 **"(I) Work Zone Phasing.** Work zones shall be limited to a continuous
43 section not to exceed five miles in length at any time. The Contractor shall
44 complete all work within the five mile section before proceeding to set up the
45 next work zone. The Contractor may choose a shorter section, but must
46 complete the work on such section before proceeding to set up the next work
47 zone.

48
49 **(J) Variable Message Sign Boards.** Variable message sign boards
50 shall be installed on both approaches (opposite ends) of the work zone. The
51 sign boards shall be installed a minimum of two weeks prior to
52 implementation of the work zone."
53

54 **(K) Minimum Number of Lanes and Lane Widths.** A minimum of two
55 lanes (either permanent lanes or temporary paved detour lanes) shall be
56 provided at all times within the work zone. Each lane of traffic shall be a
57 minimum of ten feet wide with at least two feet clearance from any obstacles
58 or obstructions, including traffic control devices.
59

60 **(IV) Amend 645.05 Payment** line 415 to read as follows:
61

62 "Traffic Control (including Work Zone Signs and Posts) Lump Sum"
63
64
65
66
67
68

END OF SECTION 645

**PROPOSAL TO THE
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION**

PROJECT: Queen Ka'ahumanu Highway
 Rumble Strip Improvements
 Mahai'ula to Kawaihae
 Districts of South Kohala and North Kona
 Island of Hawai'i

PROJECT NO.: 19BC-01-17

COMPLETION TIME: 150 Working days from the date indicated in the
 Notice to Proceed from the Department.

DESIGN PROJECT MANAGER:

NAME: Robert Taira
ADDRESS: 50 Maka'ala Street, Hilo, HI 96720
PHONE NO.: (808) 933-8866
EMAIL: robert.taira@hawaii.gov
FAX NO.: (808) 933-8869

PROPOSAL SCHEDULE

| ITEM NO. | ITEM | APPROX. QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|----------|---|------------------|------|------------|---------------------|
| 209.0100 | Installation, Maintenance, Monitoring, and Removal of BMP | L.S. | L.S. | L.S. | \$ _____ |
| 209.0200 | Additional Water Pollution, Dust, and Erosion Control | F.A. | F.A. | F.A. | \$ <u>50,000.00</u> |
| 615.1000 | Milled Rumble Strip, Centerline | L.S. | L.S. | L.S. | \$ _____ |
| 629.1012 | Single Yellow 4-Inch Pavement Striping (Thermoplastic Hot Spray) | 13,278 | L.F. | \$ _____ | \$ _____ |
| 629.1014 | Double Yellow 4-Inch Pavement Striping (Thermoplastic Hot Spray) | 66,013 | L.F. | \$ _____ | \$ _____ |
| 629.1016 | Single White 4-Inch Pavement Striping (Thermoplastic Hot Spray) | 256,521 | L.F. | \$ _____ | \$ _____ |
| 629.1018 | Single White Guide 4-inch Pavement Striping (Thermoplastic Hot Spray) | 12,085 | L.F. | \$ _____ | \$ _____ |
| 629.1020 | Single White 8-Inch Pavement Striping (Thermoplastic Hot Spray) | 9,012 | L.F. | \$ _____ | \$ _____ |
| 629.1022 | Single Yellow 12-Inch Pavement Striping (Thermoplastic Hot Spray) | 11,362 | L.F. | \$ _____ | \$ _____ |
| 629.2010 | Type A Pavement Markers | 1,650 | Each | \$ _____ | \$ _____ |
| 629.2012 | Type C Pavement Markers | 5,121 | Each | \$ _____ | \$ _____ |
| 629.2014 | Type D Pavement Markers | 2,318 | Each | \$ _____ | \$ _____ |
| 629.2016 | Type H Pavement Markers | 3,098 | Each | \$ _____ | \$ _____ |

PROPOSAL SCHEDULE

| ITEM NO. | ITEM | APPROX. QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|--|---|---------------------|------|------------|---------------------|
| 629.2018 | Type J Pavement Markers | 7,876 | Each | \$_____ | \$_____ |
| 645.1000 | Traffic Control (including Work Zone Signs and Posts) | L.S. | L.S. | L.S. | \$_____ |
| 645.2000 | Additional Police Officers, Additional Control Devices and Advertisement | F.A. | F.A. | F.A. | \$ <u>50,000.00</u> |
| 648.0100 | Field-Posted Drawings | L.S. | L.S. | L.S. | \$_____ |
| 696.0100 | Field Office Trailer (Not to Exceed \$32,000.00) | L.S. | L.S. | L.S. | \$_____ |
| 696.2000 | Maintenance of Trailers | F.A. | F.A. | F.A. | \$ <u>20,000.00</u> |
| 699.1000 | Mobilization (Not to Exceed 6 Percent of the Sum of All Items Excluding the Bid Price of this Item) | L.S. | L.S. | L.S. | \$_____ |
| Sum of All Items | | | | | \$ _____ |
| NOTE: Bidders must complete all unit prices and amounts. Failure to do so may be grounds for rejection of bid. | | | | | |

MINUTES FOR PRE-BID MEETING

PROJECT: Queen Ka'ahumanu Highway, Rumble Strips Improvements
Mahai'ula to Kawaihae

PROJECT NO.: 19BC-01-17

LOCATION: Building D Classroom, 50 Maka'ala Street, Hilo, Hawai'i

DATE & TIME: Friday, February 3, 2017 at 9:00 a.m.

ATTENDING: (See attached sign-in log.)

Project Manager Robert Taira began the meeting by announcing, "Anything said at this meeting is for clarification only, the bid documents shall govern over anything said today and discrepancies shall be clarified by addendum."

Robert reviewed the Requests for Information that had been asked prior to the pre-bid meeting:

1. The Notice to Bidders presently specifies that the contract is only open to contractors with a Type A license. The addendum will add the following Specialty Contractors as being eligible to bid:
 - C-3 Asphalt Paving and Surfacing
 - C-3a Asphalt Concrete Patching, Sealing, and Striping
2. National Pollutant Discharge Elimination System requirements.
 - a. Question was raised whether Site Specific BMP Plan was available? Is silt barrier required for the entire length?

Response: The nature of what is needed in the way of BMP's is dependent on the contractor's operations. The State does not anticipate a need for extensive BMP measures such as the silt barrier along the entire length of project, provided the Contractor use appropriate good housekeeping practices to maintain level of dust down and dispose of onsite debris.

- b. Can the pay item 209.0100 - Installation, Maintenance, Monitoring and Removal of BMP be changed from Lump Sum to Force Account?

Response: No, the State will not pay for the item on a Force Account basis. It is up to the Contractor to decide what means and methods he will use to complete the work and depending on how this work is done, will determine the extent of BMPs needed.

3. Does the existing pavement striping need to be totally eradicated?

No, since the intention is to replace the existing striping with no change in pattern, the State will allow a tolerance of 1/32" to be left in place after grinding, scraping or other removal method.

(Note: The response at the Pre-Bid Meeting has been superseded by new Special Provisions page 629-3a issued in Addendum No. 2, that calls for eradication of the old markings to the finished grade of the roadway surface.)

4. Is a fog seal required to mask the pavement striping eradication/improve visual aesthetics?

No.

Questions and comments raised at the Pre-Bid Meeting:

5. Regarding the Field Office Trailer pay item in the proposal, is there a maximum amount for this bid item.

Response: Yes, not to exceed \$32,000.00. This oversight will be corrected in the addendum.

6. Regarding phasing of the project, the addendum will set five segments, each about four and a half miles long. The Contractor will need to complete each segment before moving on. This is to minimize disruption of traffic.

(Note: The five equal segments requirement has been superseded by new Special Provisions Section 645 - Work Zone Traffic Control. Instead, there is a maximum 5 miles of continuous highway that the Contractor may work on at any point in time. See Subsection 645.03(I) Work Zone Phasing.)

7. There was an undercount of the pavement striping and pavement marking quantities, due to a failure to account for median double-yellow striping and Type H pavement markers. The new addendum will correct this omission.
8. The addendum will also address openings in the rumble strips for side roads.
9. Question was asked requiring the necessity to replace all the Type J pavement markers, which seem to be in generally good condition.

Response: The State would consider options and respond in the addendum.

(Note: In the absence of knowing which markers need to be replaced, the State decided to keep this contract bid item. If, during construction, it is found that the Type J pavement markers are in satisfactory condition; then the State may

consider a contract change order to reduce the number of Type J pavement markers that need to be replaced on the project.)

10. Question was asked about the disposition of the asphalt grindings created by the rumble strip milling operations.

Response: Unless otherwise specified, the Contractor is responsible for disposal of all waste materials.

(Note: Note no. 13 has been added to the General Notes on Sheet No. ADD. 3 to clarify this responsibility.)

11. When does the State expect to issue Notice to Proceed on this project?

Response: Unknown. Anticipate the date for Notice to Proceed would ordinarily be issued around August or September of this year.

12. Does the State have any available water resources or water pipes in this area?

Response: Negative.

13. Will lane closures be allowed?

Response: It is intended that two lanes of travel be provided to motorists at all times. This will be clarified in the addendum.

14. Has the State considered night work?

Response: No, the State has no intention of trying to schedule this project at night. Among the difficulties in doing the work at night: obtaining Department of Health noise permit, complying with federal regulations regarding migratory birds and endangered species, and safety issues.

15. In lieu of the 5 fixed segments of work, can the Contractor provide a moving traffic plan?

Response: The Contractor may submit such a plan for review and approval by the Engineer.

16. Will the Field Office Trailer have to set up at different locations to match the moving segments of construction work?

Response: No. It is the intention of the project to set up the field office just once, somewhere within the State right-of-way.

The meeting concluded at 9:25 A.M

QUEEN KAAHUMANU HIGHWAY, RUMBLE STRIPS IMPROVEMENTS, MAHAIULA TO KAWAIHAE

PROJECT NO. 19BC-01-71

Friday, February 3, 2017

PRE-BID MEETING SIGN IN LOG

| NAME | COMPANY | PHONE NUMBER | EMAIL ADDRESS |
|---------------------|-----------------------|----------------------------------|---|
| 1. Trent Caborn | Apply-A-Line, Inc. | 841-0990 | trrent@applyaline.com |
| 2. John Tighe | Central Striping Inc. | 916-635-5175 | john.tighe@centralstriping.biz |
| 3. Jim LESNIEWSKI | CENTRAL Striping | 916-893-9428 | JL@CENTRALSTRIPING.BIZ |
| 4. Dana Andradak | Central Striping Inc. | 781-8992 | dane.andradak@centralstriping.biz |
| 5. CLIFTON CHURCH | HARRY ASATO PAINTING | 841-7055 | CLIFF@ASATOPAINTING.COM |
| 6. Dionne Kaneshiro | Harry Asato Painting | 841-7055 | |
| 7. Harry Takue | HDOT | 933-8866 | harry.n.takue@hawaii.gov |
| 8. Telann Bromura | HDOT | 933-8866 | Telann.Bromura@hawaii.gov |
| 9. KEAH BURKE | G.P. Roadway | 478-5648 934-0218 935-0871 | kburke@gproadwaysolutions.com |
| 10. Lizi Olson | Jas. W. Glover, LTD | 960-0869 | Lizi@jgloverltd.com; jaswglloverhib@aol.com |
| 11. JUNIOR FISCHER | GOODFELLOW BROS, INC. | 887-6511 | juniorf@goodfellowbros.com |
| 12. Robert Taira | HDOT | 933-8866 | robert.taira@hawaii.gov |
| 13. | | | |
| 14. | | | |
| 15. | | | |
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| 18. | | | |