

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ADDENDUM NO. 2

for

FURNISHING ASPHALT CONCRETE MIX
ISLANDS OF OAHU, HAWAII, MAUI, AND KAUAI
PROJECT NO. HWY-C-07-22

The following amendments shall be made to the Bid Documents:

A. TABLE OF CONTENTS

- i. On Page 1 dated 10/5/22, amend page number of the “Proposal Schedule” and “Supplement to the Proposal Schedule” to read PF-6 – PF-11 and PF-12 – PF-14, respectively.

B. SECTION 10 – GENERAL REQUIREMENTS

- i. Replace pages 10-1 and 10-2, dated 10/5/22 with attached revised pages 10-1 and 10-2, dated r11/4/22.

C. PROPOSAL SCHEDULE

- i. Replace Proposal Schedule pages PF-12 to PF-20 dated 10/5/22 with attached pages PF-6 to PF-14, dated r11/4/22.

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



JADE T. BUTAY
Director of Transportation

Addendum No. 2
r11/4/2022

SECTION 10 – GENERAL REQUIREMENTS

10.1 DESCRIPTION OF WORK: The Contractor shall provide unit pricing for hot and cold mix asphalt concrete amounts on an as-needed basis as may be required for maintenance conducted by State Highways Division on the islands of Oahu, Hawaii, Maui, and Kauai.

10.2 MATERIALS:

A. Hot Mix Asphalt, No. IV and No. V, shall conform to the requirements of Section 401, Hot Mix Asphalt Pavement, of the 2005 Hawaii Standard Specifications, for Road and Bridge Construction. Prior to producing the Hot Mix, the Contractor shall submit in writing a job-mix formula to the Engineer for approval.

B. Cold Mix Asphalt. No. IV and No. V, shall meet the following requirements:

1. Composition of Cold Mix Asphalt. The cold mix asphalt shall be composed of a mixture of aggregate and bituminous material. The bituminous percentage range based on dry weight of aggregate shall be five (5) to nine (9) percent.

Prior to producing cold mix asphalt, the Contractor shall submit in writing a job-mix formula to the Engineer for his approval. The job-mix formula submitted shall propose definite single values for:

- a. The percentage of aggregate passing each specified sieve, based on the dry weight of aggregate.
- b. The percentage of bituminous material to be added based on the dry weight of aggregate. Should a change in source of material be proposed or should a job-mix formula prove unsatisfactory, a new job-mix formula shall be established.

The Engineer may request samples of the individual material for laboratory testing.

The job-mix formula will be approved by the Engineer prior to production.

2. Bituminous Materials. Bituminous materials shall be a cutback asphalt MC 250 in accordance with Section 702.03, emulsified asphalt in accordance with Section 702.04 or as approved by the Engineer.

3. Aggregate. Aggregate shall meet the quantity requirements of Section 703.09, Aggregate for Hot Mix Asphalt Pavement of the 2005 Hawaii Standard Specifications for Road and Bridge Construction, as amended.
4. Control of Bituminous Mixture. After the job-mix formula is established, all mixtures furnished to the Department shall fall within the following ranges of tolerances in Table 413-II:

TABLE 413-II
RANGE OF TOLERANCES FOR JOB-MIX FORMULA

Passing No. 4 and larger sieves	+7	percent
Passing No. 8 sieve	+4	percent
Passing No. 200 sieve	+2	percent
Bitumen	+0.4	percent

5. Preparation of Mixture. The mixture may be prepared without heating approved aggregates, and the asphalt shall be heated in accordance with Section 702.05. The mixed temperature shall not exceed 230 degrees F (110 degrees C). The mixture shall be mixed until all of the aggregates are uniformly coated.
 6. Plant and Equipment. Storage facilities and all equipment used in the preparation of the mixture shall conform to Subsection 401.03(B), Equipment, as applicable, of the 2005 Hawaii Standard Specifications for Road and Bridge Construction, as amended, and shall be approved by the Department. The materials for individual batches shall be measured accurately either by volume or weight using approved methods and equipment.
- C. Emulsified Asphalts shall conform to the requirements of Section 702.04, Emulsified Asphalt, of the 2005 Hawaii Standard Specifications for Road and Bridge Construction, as amended.
- D. Bidders for Group A (see Proposal Schedule) shall have a plant located in the urban Honolulu area covered by zip codes 96813 through 96819, 96822, and

**FURNISHING ASPHALT CONCRETE MIX, PROJECT NO. HWY-C-07-22
PROPOSAL SCHEDULE - GROUP A - OAHU, URBAN**

PROPOSAL SCHEDULE - GROUP A - OAHU, URBAN				
Item No.	Item	Estimated Quantities (a)	Unit Price (b)	Amount (a) x (b)
1	Hot Mix Asphalt, No. V	2,500 ton	\$ _____/ton	\$ _____
2	Cold Mix Asphalt, No. V	500 ton	\$ _____/ton	\$ _____
3	Emulsified Asphalt SS-1h	4,000 gal.	\$ _____/gal.	\$ _____
GROUP A – TOTAL AMOUNT FOR COMPARISON OF BIDS (Sum items 1 through 3)				\$ _____

**FURNISHING ASPHALT CONCRETE MIX, PROJECT NO. HWY-C-07-22
PROPOSAL SCHEDULE - GROUP B - OAHU, RURAL**

PROPOSAL SCHEDULE - GROUP B - OAHU, RURAL				
Item No.	Item	Estimated Quantities (a)	Unit Price (b)	Amount (a) x (b)
4	Hot Mix Asphalt, No. V	2,500 ton	\$ _____/ton	\$ _____
5	Cold Mix Asphalt, No. V	400 ton	\$ _____/ton	\$ _____
6	Emulsified Asphalt SS-1h	2,000 gal.	\$ _____/gal.	\$ _____
GROUP B – TOTAL AMOUNT FOR COMPARISON OF BIDS (Sum items 4 through 6)				\$ _____

**FURNISHING ASPHALT CONCRETE MIX, PROJECT NO. HWY-C-07-22
PROPOSAL SCHEDULE - GROUP C - KAILUA-KONA, HAWAII**

PROPOSAL SCHEDULE - GROUP C - KAILUA-KONA, HAWAII				
Item No.	Item	Estimated Quantities (a)	Unit Price (b)	Amount (a) x (b)
7	Hot Mix Asphalt, No. IV	1,000 ton	\$ _____/ton	\$ _____
8	Hot Mix Asphalt, No. V	1,000 ton	\$ _____/ton	\$ _____
9	Cold Mix Asphalt, No. IV	2,000 ton	\$ _____/ton	\$ _____
10	Cold Mix Asphalt, No. V	2,000 ton	\$ _____/ton	\$ _____
11	Emulsified Asphalt SS-1h	400 gal.	\$ _____/gal.	\$ _____
GROUP C – TOTAL AMOUNT FOR COMPARISON OF BIDS (Sum items 7 through 11)				\$ _____

FURNISHING ASPHALT CONCRETE MIX, PROJECT NO. HWY-C-07-22
PROPOSAL SCHEDULE - GROUP D - MAUI

PROPOSAL SCHEDULE - GROUP D - MAUI				
Item No.	Item	Estimated Quantities (a)	Unit Price (b)	Amount (a) x (b)
12	Hot Mix Asphalt, No. V	100 ton	\$ _____/ton	\$ _____
13	Cold Mix Asphalt, No. V	500 ton	\$ _____/ton	\$ _____
14	Emulsified Asphalt SS-1h	200 gal.	\$ _____/gal.	\$ _____
GROUP D – TOTAL AMOUNT FOR COMPARISON OF BIDS (Sum items 12 through 14)				\$ _____

FURNISHING ASPHALT CONCRETE MIX, PROJECT NO. HWY-C-07-22
PROPOSAL SCHEDULE - GROUP E - KAUAI

PROPOSAL SCHEDULE - GROUP E - KAUAI				
Item No.	Item	Estimated Quantities (a)	Unit Price (b)	Amount (a) x (b)
15	Hot Mix Asphalt, No. V	500 ton	\$ _____/ton	\$ _____
16	Cold Mix Asphalt, No. V	300 ton	\$ _____/ton	\$ _____
17	Emulsified Asphalt SS-1h	2,000 gal.	\$ _____/gal.	\$ _____
GROUP E – TOTAL AMOUNT FOR COMPARISON OF BIDS (Sum items 15 through 17)				\$ _____

FURNISHING ASPHALT CONCRETE MIX, PROJECT NO. HWY-C-07-22
PROPOSAL SCHEDULE - BID SUMMARY

BID SUMMARY	
GROUP A – TOTAL AMOUNT FOR COMPARISON OF BIDS	\$ _____
GROUP B – TOTAL AMOUNT FOR COMPARISON OF BIDS	\$ _____
GROUP C – TOTAL AMOUNT FOR COMPARISON OF BIDS	\$ _____
GROUP D – TOTAL AMOUNT FOR COMPARISON OF BIDS	\$ _____
GROUP E – TOTAL AMOUNT FOR COMPARISON OF BIDS	\$ _____

FURNISHING ASPHALT CONCRETE MIX, PROJECT NO. HWY-C-07-22
PROPOSAL SCHEDULE

“The attention of out-of-state bidders is directed to Section 2.8 of the Specifications. An out-of-state bidder is required to answer the following statement:

State of Hawaii General Excise and Use Taxes are included in all bid prices.

Write “Yes” or “No”

If the above statement is left unanswered, it will be considered a “No” answer by the State.”

GENERAL NOTES:

1. Bids shall include all Federal, State, County and other applicable taxes and fees.
2. The TOTAL AMOUNT FOR COMPARISON OF BIDS for each group will be used to determine the lowest responsible bidder for that group.
3. Bidders must complete all unit prices and amounts for the group they intend to bid on. Failure to do so may be grounds for rejection of bid.
4. If a discrepancy occurs between unit bid price and the bid price, the unit bid price shall govern.
5. Do not add or remove anything on the proposal schedule. Altered proposal schedules will be rejected. Only provide bid prices and totals where space is provided.
6. Bidder may bid on any or all groups. To be considered, bidder must submit a bid for all items within a group. Separate contracts will be awarded for each area. If a bidder is determined the lowest bidder for multiple areas, one combined contract will be awarded.
7. Bidders for Group A shall have a plant located in the urban Honolulu area covered by zip codes 96813 through 96819, 96822, and 96826. Bidders for Group B shall have a plant located in the rural Honolulu areas outside the areas covered by Group A.
8. Bidders for Group C shall have a plant located in the Kailua-Kona area.
9. The materials for this contract shall be furnished on an “as-needed” basis as required by the State. The estimated quantities specified do not signify a maximum or minimum quantity.

10. If product is unavailable due to plant closure the State may obtain product by other means.

FURNISHING ASPHALT CONCRETE MIX

PROJECT NO. HWY-C-07-22

SUPPLEMENT TO THE PROPOSAL SCHEDULE

The Department recognizes that certain items of material to be incorporated into the project and/or consumed in the prosecution of the project are temporarily in short supply and effect of such shortages has, among other things, resulted in periodic fluctuations in the posted prices of such short supply materials, thereby making it difficult for the Contractor to bid with confidence.

For this project, the only materials considered to be in short supply and Sections involved herewith are tabulated below (See proposal Schedule in regards to the Contract items involved):

<u>Description</u>	<u>Short Supply Material</u>
Asphalt Concrete Mix V	Asphalt Cement
Asphalt Concrete Fine Mix	Asphalt Cement
Cold-Laid Plant Mix or Cold Mix No. V	Asphalt Cement

Each bidder shall submit with the proposal a written statement from the supplier of each short supply material indicating the supplier's current posted price, effective date of that price and the location of the material at that posted price (by island).

If the price of such short supply material is increased or decreased by more than five (5%) percent by the supplier prior to the completion of that contract item requiring the short supply material, the Contractor shall submit to the Department a written statement from the supplier indicating the effective date and changed price. The Contractor will thereafter be charged for such short supply material. The Contractor shall also obtain whenever possible, quotations for furnishing the material from other available local suppliers. The quotations shall be obtained sufficiently in advance of the need for the material to allow review by the Department so as not to delay the work.

The Contractor's request to the Department for adjusted compensation due to such changed prices will be computed only with prices in effect at the time of delivery. Only the lowest quotation obtained will be accepted by the Department.

Transportation, handling, loading, processing and other similar costs will not be subject to adjusted compensation.

No adjustment to the unit bid prices will be made when the increase or decrease in the price of the short material is less than five (5%) percent of the original posted price.

If the adjustment to the unit bid price is decreased in the price of the short supply material by more than five (5%) percent of the original posted price, the State will be credited. If an increase in the price of any short supply material exceeds or is scheduled to exceed thirty-five (35%) percent of the original posted price, the Contractor must notify the state within five (5) working days before using the short supply material. Upon receipt of such notification from the Contractor, the State will direct the Contractor to either (1) authorize work to proceed as usual with the assurance that the indicated incremental price increase above the thirty-five (35%) percent will be compensable, (2) issue such change orders as the State may deem necessary to reduce further requirements of the short supply material which is to be paid at the increased price, or (3) if the material is considered to have priced itself beyond reason or beyond what the State can pay, the State may order cessation of further use of such short supply material on the project. Such notification by the Contractor will be required at each instance of incremental price increase above the thirty-five (35%) percent limit. If the Contractor fails to notify the State of any such incremental price increase within five (5) working days before using the short supply material and continues to utilize the short supply material on the project, the State will not be responsible for payment for the incremental cost increase of which the State was not forewarned.

Computation for the adjusted compensation will be as follows:

Asphalt Cement

$$\begin{aligned} \text{If } X &= \text{adjustment per ton of mix,} \\ P &= \text{asphalt cement content, expressed in percent of dry weight} \\ &\text{of the aggregates, as determined and accepted by the} \\ &\text{Department for each of the design plant mixes,} \\ Q &= \text{increase or decrease in the price of asphalt cement, in} \\ &\text{dollars per ton,} \\ \text{Then } X &= \frac{Q(P)}{100+P} \text{ for A.C. Hot Mix and Cold Mix} \end{aligned}$$

Example: Posted price of asphalt cement increases from \$70.00 to \$80.00 per ton and the asphalt content of the A.C. mix was accepted at 6.0%, then the adjustment shall be:

$$\begin{aligned} \$80.00 - \$70.00 &= \$10.00 \\ (\$70.00)(5\%) &= \$ 3.50 \\ \$10.00 - \$3.50 &= \$ 6.50 \end{aligned}$$

$$X = \$6.50 \frac{(6)}{100+6} = \$0.37 \text{ per ton A.C. mix}$$

For the purpose of determining the adjustment per ton, “x”, the Contractor shall follow the above example. Current State of Hawaii General Excise Tax may be added to the result of “x” if supplier of the materials has not added above said taxes.

The Contractor shall submit to the Department original receipted bills covering the short supply material used on the project as soon as practicable after shipments are completed. The bills shall be accompanied by a tabulation on which the bills are listed in chronological order showing for each bill the quantity, the date shipped from the supplier’s terminal, and the price per unit at the place indicated in the posted price (reflecting any deduction for quantity shipments). These bills shall be subject to audit verification.