

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

**ADDENDUM NO. 1
for
HAWAII BELT ROAD GUARDRAIL AND SHOULDER IMPROVEMENTS
VICINITY OF KALOPA BRIDGE AND KAUMOALI BRIDGE
TO EAST PAUUILO BRIDGE
FEDERAL-AID PROJECT NO. NH-019-2(071)**

The following amendments shall be made to the Bid Documents:

A. SPECIFICATION

Replace Section 507 with the attached revised Section 507 dated 12/21/18.

B. PROPOSAL

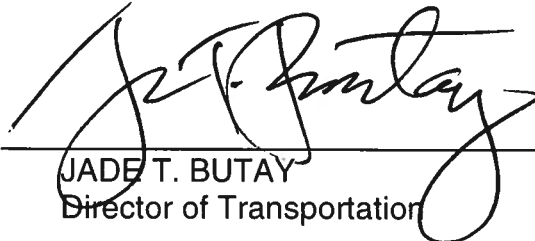
Replace Proposal Schedule pages P-8 through P-11 with the attached revised Proposal Schedule pages P-8 through P-11 dated 12/21/18

The following is provided for information.

C. PRE-BID MEETING MINUTES

Pre-Bid Meeting minutes and signed attendance sheet are attached for 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.



JADE T. BUTAY
Director of Transportation

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(I) Amend 507.04 – Measurement by revising lines 171 to 172 to read as follows:

The Engineer will measure the modified delaware by the linear foot. The Engineer will make the measurement along the centerline and from end to end of the railing.

(II) Amend 507.05 – Payment by revising lines 174 to 186 to read as follows:

Payment will be full compensation for work prescribed in this section and the contract documents.

Pay Item	Pay Unit
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The Engineer will pay for portions of railing bars that extend into slabs or beams in accordance with and under Section 602 - Reinforcing Steel."

NH-019-2(071)
507-1a

PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
202.1001	Removal of Existing Bridge Railing, End Posts, and Retaining Wall for East Paauilo Stream Bridge	L.S.	L.S.	L.S.	\$ _____
205.1001	Structural Excavation for East Paauilo Stream Bridge Footing	110	C.Y.	\$ _____	\$ _____
205.1002	Structural Backfill for East Paauilo Stream Bridge Footing	76	C.Y.	\$ _____	\$ _____
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>
301.0100	Hot Mix Asphalt Base Course	160	TON	\$ _____	\$ _____
401.0100	HMA Pavement, Mix No. IV	412	TON	\$ _____	\$ _____
503.1001	Concrete End Post and Bridge Railing for East Paauilo Stream Bridge	79	C.Y.	\$ _____	\$ _____
503.1001	Concrete Retaining Wall and Footing for East Paauilo Bridge	99	C.Y.	\$ _____	\$ _____
507.1001	Modified Delaware for Waipunahina and Kaumoali Stream Bridge	556	L.F.	\$ _____	\$ _____
507.1002	Modified Delaware for Kalopa Stream Bridge	688	L.F.	\$ _____	\$ _____
507.1101	Metal Pedestrian Railing for Waipunahina and Kaumoali Stream Bridge	12,485	LBS	\$ _____	\$ _____
507.1102	Metal Pedestrian Railing for Kalopa Stream Bridge	15,755	LBS	\$ _____	\$ _____

PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
602.1001	Reinforcing Steel for End Post and Bridge Railing for East Paaulo Stream Bridge	14,124	LBS	\$ _____	\$ _____
602.1101	Reinforcing Steel for Retaining Wall and Footing for East Paaulo Stream Bridge	9,280	LBS	\$ _____	\$ _____
603.9000	Clean Existing Culverts	F.A.	F.A.	F.A.	\$ <u>20,000.00</u>
606.0100	Guardrail Type 3, Strong Post with W-Beam	4,354	L.F.	\$ _____	\$ _____
606.0110	Guardrail Type, Modified Thrie Beam	200	L.F.	\$ _____	\$ _____
606.1001	Transition Section for East Paaulo Stream Bridge	2	EA	\$ _____	\$ _____
606.1002	Transition Section for Waipunahina and Kaumoali Stream Bridge	8	EA	\$ _____	\$ _____
606.1003	Transition Section for Kalopa Stream Bridge	4	EA	\$ _____	\$ _____
606.7010	Terminal Section, Type G Modified	19	EA	\$ _____	\$ _____
606.7040	Terminal Section, Type "A-1"	13	EA	\$ _____	\$ _____
606.7060	Terminal Section, MSKT-SP-MGS (TL-3)	1	EA	\$ _____	\$ _____
615.0100	16-Inch Milled Rumble Strip, Centerline	13,200	L.F.	\$ _____	\$ _____
615.0300	6-Inch Milled Rumble Strip, Shoulder	10,000	L.F.	\$ _____	\$ _____
629.0100	Double 4-Inch Pavement Striping (Thermoplastic Hot Spray)	11,170	L.F.	\$ _____	\$ _____

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r12/21/18

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PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
629.0200	4-Inch Pavement Striping (Thermoplastic Hot Spray)	1,180	L.F.	\$ _____	\$ _____
629.0300	24-Inch Pavement Striping (Thermoplastic Hot Spray)	70	L.F.	\$ _____	\$ _____
629.1030	Crosswalk Marking (Tape, Type III or Thermoplastic)	8	Lane	\$ _____	\$ _____
629.1050	Pavement Word (Tape, Type III or Thermoplastic)	18	E.A.	\$ _____	\$ _____
629.2030	Type "D" Pavement Markers	650	E.A.	\$ _____	\$ _____
629.2040	Type "H" Pavement Markers	30	E.A.	\$ _____	\$ _____
629.2050	Type "J" Pavement Markers	316	E.A.	\$ _____	\$ _____
631.5001	Regulatory Sign (10 Square Feet or Less) with Post(s)	4	E.A.	\$ _____	\$ _____
631.5101	Warning Sign (10 Square Feet or Less)	8	E.A.	\$ _____	\$ _____
631.5102	Warning Sign (10 Square Feet or Less) with Post(s)	10	E.A.	\$ _____	\$ _____
645.0100	Traffic Control	L.S.	L.S.	L.S.	\$ _____
645.0200	Additional Police Officers and/or Additional Traffic 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.	\$ _____

PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
648.0100	Field-Posted Drawings	L.S.	L.S.	L.S.	\$ _____
699.1000	Mobilization (Not to exceed 6% of the sum of all items less excluding the bid price of this item)	L.S.	L.S.	L.S.	\$ _____
<div style="margin-left: 40px;"> a. Sum of All Items \$ _____ </div> <div style="margin-left: 40px;"> b. Either Furnish Foreign Steel Not to Exceed Minimal Amount (Fill in '0') or Furnish Foreign Steel in Excess of Minimal Amount (Fill in 25% x a) \$ _____ </div> <div style="margin-left: 40px;"> c. Amount for Comparison of Bids (a + b) \$ _____ </div> <div style="margin-left: 40px; margin-top: 20px;"> All bidders must fill in b and complete c </div> <div style="margin-left: 40px; margin-top: 20px;"> NOTE: Bidders must complete all unit prices and amounts. Failure to do so may be grounds for rejection of bid. </div>					

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VICINITY OF KALOPA BRIDGE AND KAUMOALI BRIDGE
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**PRE-BID MEETING MINUTES
DECEMBER 14, 2018**

The following are minutes for the Hawaii Department of Transportation (HDOT) pre-bid meeting with prospective bidders for the Hawaii Belt Road Guardrail and Shoulder Improvements, Vicinity of Kalopa Bridge and Kaumoali Bridge to East Pauuilo Bridge project.

The meeting was held at the Hawaii State Highways District Office in Hilo at 10:00 A.M.. Clifford Corpuz conducted the meeting.

A sign-in sheet with the names of the attendees is attached.

Questions:

1. What is the required contractor licensing?

The required license shall be an "A" general engineering contractor.

The meeting ended at 10:10 A.M.

Email Questions:

1. Regarding Bid Item No. 631.5001 – Regulatory Sign (10 Square Feet or Less) with Post(s), the proposal schedule lists a quantity of 6 each but the plans call for 4 each. Confirm which is correct.

See revised proposal schedule

2. Regarding Bid Item No. 631.5101 – Warning Sign (10 Square Feet or Less), the proposal schedule lists a quantity of 28 each but the plans call for 8 each. Confirm which is correct.

See revised proposal schedule

3. Regarding Bid Item No. 631.5102 – Warning Sign (Greater than 10 Square Feet) with Post(s), the proposal schedule lists a quantity of 30 each but the plans call for 10 each. Confirm which is correct.

See revised proposal schedule.

4. General Note #19 indicates that sign post shall be completely painted with yellow reflective paint. Please confirm if required painting.

Yes, yellow reflective paint is required.

5. There are no warning signs over 10 SF.

See revised proposal schedule

6. Confirm that the guardrail end terminals meet current specifications. HDOT memo of 9-25-27 states that the end terminals are supposed to meet new standards. The type G, type A-1, and the SKT-350 shown do not appear to meet these new standards.

There is no new standard replacement for the Type G and Type A-1 that is accepted by HDOT at the moment. Disregard the SKT-350 call out and details in the plans. Install a MSKT-SP-MGS (TL-3) in lieu of the SKT-350. Revised proposal schedule.

7. Per sheet 22 – Guardrail schedule – please clarify the quantity of rubrail to be installed, the schedule states to install 1 LF at several locations?

The 1 linear feet of rubrail shown in the guardrail schedule is incorrect. The intention was to call out possible rubrail at specific locations where the Type A-1 end treatment will be installed. Rubrail shall be incidental to Type A-1 if needed. Bid accordingly.

8. Sheet 14 of the plans show a rubrail section when there are obstructions, is this detail used anywhere on this project? If so, where and will there be a bid item for this?

Thrie beam will be used instead of rubrail. Bid Accordingly.

9. Clarify how the height of the guardrail will be measured. Sheet 8 shows that dimension H is 2'-1" where is this measurement taken from? Is it taken directly below the bolt or at some distance away from the guardrail? Sheet 9 shows the height when there is no slope in the shoulder.

Typically measured from a reference point of the w-beam to the top of the AC pavement, vertically in line with the w-beam front face.

10. Per sheet 22, note 1 states that the guardrail post shall be 6 ft "unless otherwise directed". Will this be a change order if directed to use any other length of post?

Will likely be a change order if directed to use a different length post not called for in the plans.

11. Clarify what the requirements are for the sign mounting hardware. Sheet 31 of the plans note 3B states that the bolts shall meet AASHTO M164 – this spec only covers bolts of ½" and up. The sign mounting bolt per detail TE-01A is 5/16". What is required?

Follow sign mounting hardware noted on Note 3(C) of Sheet 31 which replaced the Standard Plan TE-03A drawing. This is a specific sheet for galvanized square tube sign post.

12. Clarify sheet 31 note 3D – will neoprene washers be required between the post and the sign? Since the sign post are painted, is this washer still required?

Install the neoprene rubber gasket on the face of the sign as shown in TE-01A (also TE-12A), not between the sign and post.

13. Detail TE-01A for the sign mounting hardware states that there is a stainless steel washer 7/8" x .06" thick. We do not know of any manufacturer of this size washer in stainless steel. Will standard galvanized steel washer of this size be acceptable for use?

No change to the requirement. The sign mounting hardware in TE-1A calling for 7/8" x 0.06" stainless steel washer is not new. This requirement also appears in TE-12A, TE-14 and TE-16.

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VICINITY OF KALOPA BRIDGE AND KAUMOALI BRIDGE TO EAST PAUUILO BRIDGE
FEDERAL-AID PROJECT NO. NH-019-2(071)**

DATE Friday, December 14, 2018

TIME 10:00 A.M.

PLACE Higways Hawaii District Office (Classroom D), 50 Makaala St., Hilo, Hawaii 96720

PRE-BID MEETING SIGN IN LOG

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