

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

ADDENDUM NO. 1

FOR

**GUARDRAIL AND SHOULDER IMPROVEMENTS
AT VARIOUS LOCATIONS**

**KUHIO HIGHWAY, ROUTE 56, M.P. 3.70
AND KUHIO HIGHWAY, ROUTE 560, M.P. 6.25**

FEDERAL-AID PROJECT NO. STP-0700(067)

DISTRICTS OF LIHUE AND HANAIEI

ISLAND OF KAUAI

2016

Amend the Bid Documents as follows:

A. SPECIAL PROVISIONS

- a. Replace "Table of Contents" dated 6/20/16 with the attached "Table of Contents" dated 8/4/16.
- b. Make "Section 401 – HOT MIX ASPHALT (HMA) PAVEMENT" dated 8/4/16 a part of the Special Provisions
- c. Replace "Section 606 – GUARDRAIL" dated 6/20/16 with the attached "SECTION 606 - GUARDRAIL" dated 8/4/16.
- d. Replace "Section 631 – TRAFFIC CONTROL, REGULATORY, WARNING, AND MISCELLANEOUS SIGNS" dated 10/18/12 with the attached "SECTION 631 - TRAFFIC CONTROL, REGULATORY, WARNING, AND MISCELLANEOUS SIGNS" dated 8/4/16.

B. PROPOSAL SCHEDULE

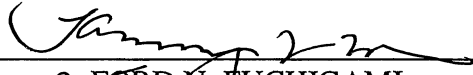
- a. Replace Pages P-8 – P-9 "PROPOSAL SCHEDULE" dated 6/20/16 with the attached Pages P-8 – P-9 "PROPOSAL SCHEDULE" dated 8/4/16.

C. PLANS

- a. Replace "PLAN SHEET NO. 3 – GENERAL NOTES AND LEGEND" with the attached "PLAN SHEET NO. ADD. 3".
- b. Replace "PLAN SHEET NO. 7 – GUARDRAIL DETAILS AND NOTES" with the attached "PLAN SHEET NO. ADD. 7".
- c. Replace "PLAN SHEET NO. 11 – TYPE G-1d TERMINAL" with the attached "PLAN SHEET NO. ADD. 11 - NESTED LONG SPAN STRONG POST W-BEAM GUARDRAIL".
- d. Replace "PLAN SHEET NO. 15 – ROADWAY PLAN" with the attached PLAN SHEET NO. ADD. 15.

Attached are the "Minutes of the Pre-Bid Meeting" and Pre-Bid Meeting Attendance Sheet for your 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.



FORD N. FUCHIGAMI
Director of Transportation

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(I) Amend Section 401.02 Materials, by adding the following after line 14:

(II) Amend **Section 401.02(A) General**, by adding the following paragraph after line 24:

(III) Amend **Section 401.02(A) General**, by replacing lines 36 to 37 to read as follows:

(IV) Amend Section 401.02(C) Submittals, by adding the following paragraph after line 89:

(V) Amend Section 401.03(B)(3) Asphalt Pavers, from line 200 to include the following:

The following specific requirements shall apply to the identified bituminous pavers:

- 46 (1) Blaw-Knox bituminous pavers shall be
47 equipped with the Blaw-Knox Materials
48 Management Kit (MMK).
49
50 (2) Cedarapids bituminous pavers shall be those
51 that were manufactured in 1989 or later.
52
53 (3) Barber-Green/Caterpillar bituminous pavers
54 shall be equipped with deflector plates as
55 identified in the December 2000 Service
56 Magazine entitled "New Asphalt Deflector Kit
57 {6630, 6631, 6640}".
58

59 Prior to the start of using the paver for placing plant
60 mix, the Contractor shall submit for approval a full
61 description in writing of the means and methodologies that
62 will be used to prevent bituminous paver segregation. Use of
63 the paver shall not commence prior to receiving approval
64 from the Engineer.
65

66 The Contractor shall supply a Certificate of
67 Compliance that verifies that the approved means and
68 methods used to prevent bituminous paver segregation have
69 been implemented on all pavers used on the project and is
70 working in accordance with the manufacturer's
71 requirements."
72

73 **(VI) Amend Section 401.03(F)(1) HMA Pavement Courses One and a**
74 **Half Inches Thick Or Greater**, from lines 499 to 505 to read as follows:
75

76 **"(1) HMA Pavement Courses One and a Half Inches Thick Or**
77 **Greater.** Where HMA pavement compacted thickness indicated
78 in the contract documents is 1-1/2 inches or greater, compact to not
79 less than 92.0 percent nor greater than 97.0 percent of the
80 maximum specific gravity determined in accordance with AASHTO
81 T 209, modified by deletion of Supplemental Procedure for Mixtures
82 Containing Porous Aggregate."
83

84
85 **(VII) Amend Section 401.03(F)(3) HMA Pavement Courses One and a**
86 **Half Inches Thick or Greater In Special Areas Not Designated For Vehicular**
87 **Traffic**, from lines 530 to 538 to read as follows:
88

89 **"(3) HMA Pavement Courses One and a Half Inches Thick or**
90 **Greater In Special Areas Not Designated For Vehicular Traffic.**
91 For areas such as bikeways and pavement underneath guardrail

that are not part of roadway and other areas not subjected to vehicular traffic, compact to not less than 90.0 percent of maximum specific gravity determined in accordance with AASHTO T 209, modified by deletion of Supplemental Procedure for Mixtures Containing Porous Aggregate. Increase asphalt content by at least 0.5 percent above that used for HMA pavements designed for vehicular traffic."

(VIII) Amend Section 401.04 Measurement, from lines 597 to 603 to read as follows:

"401.04 Measurement. The Engineer will measure asphalt concrete pavement per ton in accordance with the contract documents."

(IX) Amend Section 401.05 Payment, from lines 605 to 635, to read as follows:

"401.05 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 the contract documents.

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

Pay Item	Pay Unit
----------	----------

HMA Pavement, Mix No. _____	Ton
-----------------------------	-----

(1) 80% of the contract unit price upon completion of submitting a job-mix formula acceptable to the Engineer; preparing the surface, spreading, and finishing the mixture; and compacting the mixture;

(2) 20% of the contract unit price upon completion of cutting samples from the compacted pavement for testing; placing and compacting the sampled area with new material conforming to the surrounding area; protecting the pavement; and final analysis.

The Engineer will pay for cold planing in accordance with and under Section 415 – Cold Planing of Existing Pavement.

The Engineer may, in lieu of requiring removal and replacement, use the sliding scale factor to accept HMA pavements compacted below 92.0 percent and above 97.0 percent. The Engineer will make payment for the material in

that production day at a reduced price arrived at by multiplying the contract unit price by the pay factor shown in Table 401.05-1.

Table 401.05-1 – Sliding Scale Pay Factor for Compaction	
Percent Compaction	Percentage Payment
> 98.0	Removal
97.1 - 98.0	95
92.0 - 97.0	100
90.0 - 91.9	80
<90.0	Removal

END OF SECTION 401

SECTION 606 - GUARDRAIL

Make the following amendments to said Section:

(1) Amend **Subsection 606.03(A) Beam Type Guardrail** by adding the following after line 80:

"(4) All metal guardrails shall be shop coated in accordance with the provisions stated in this paragraph.

The Contractor shall shop coat all guardrail members, including Beam and Terminal sections. Color of top coat shall be a shade of brown as approved by the Engineer. Color samples shall be submitted for approval. Top coat shall not be gloss or high gloss. Field coating shall consist of touch up only.

Shop coating for guardrails shall be performed by using one of the following options:

Option 1:

Preparation: Carboline thinner #2 or surface cleaner #3, per SSPC-SP1. Apply Rustbound Penetrating Sealer.

1st Coat: Carboline 890 epoxy DFT 5 mil (minimum), WFT 7 mil (minimum)

Recoating Time: 8 Hours (minimum)
2 Days (maximum)

Top Coat: Carboline 133HB, Aliphatic polyurethane, DFT 5 mil (minimum), WFT 7 mil (minimum)

Option 2:

Preparation: Solvent Clean per SSPC-SP1. Apply Valspar VyGuard Sealer 513-V-110.

1st Coat: Valspar VyGuard V75 Epoxy, DFT 5 mil (minimum), WFT 6 mil (minimum)

Recoating Time: 36 Hours (minimum)
14 Days (maximum)

Top Coat: Valspar VyGuard V41 Series, DFT 4 mil (minimum),
WFT 7 mil (minimum)

Option 3:

Preparation: Solvent Clean per SSPC-SP1, and as recommended
by the manufacturer.

1st Coat: Sherwin Williams, Tile Clad High Solids B62 Series,
DFT 4 mil (minimum), WFT 7 mil (minimum)

Recoating Time: 8 Hours (minimum)
10 Days (maximum)

Top Coat: Sherwin Williams, Cororthone II B65 W200
Series/B60V2, DFT 4 mil (minimum), WFT 7 mil
(minimum)

Option 4:

Preparation: Solvent Clean per SSPC-SP1. Apply Galvaprep Zinc
Treatment.

1st Coat: Ameron Amercoat 384 epoxy, DFT 5 mil (minimum),
WFT 8 mil (minimum)

Recoating Time: 8 Hours (minimum)
2 Days (maximum)

Top Coat: Ameron Amercoat 450 SA Polyurethane, DFT 4 mil
(minimum), WFT 7 mil (minimum)"

(II) Amend **Subsection 606.04 – Measurement** from lines 116 to 118 to read as
follows:

“606.04 Measurement. The Engineer will measure warning per each in accordance
with the contract documents.”

(III) Amend **Subsection 606.05 – Payment** from lines 130 to 138 to read as follows:

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

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

92		
93	Pay Item	Pay Unit
94		
95	Guardrail Type _____	Linear Foot
96		
97	Terminal Section Type _____	Each
98		
99	_____ End Section	Each"

100

101

102

103

END OF SECTION 606

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(I) Amend Section 631.03(C) Labeling of Signs, from lines 42 to 51 to read:

(II) Amend **Subsection 631.04 – Measurement** from lines 67 to 69 to read as follows:

(III) Amend **Subsection 631.05 – Payment** from lines 71 to 90 to read as follows:

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

END OF SECTION 631

STP-0700(067))
631-1a

r8/4/16

PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY (a)	UNIT	UNIT PRICE (b)	AMOUNT (a)x(b)
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>30,000.00</u>
401.0400	HMA Pavement Mix No. IV	100	Ton	\$_____	\$_____
606.0110	Guardrail, Strong Post W-Beam with 6-Ft. Post	900	Lin. Ft.	\$_____	\$_____
606.0120	Guardrail, Strong Post W-Beam with 8-Ft. Post	312.5	Lin. Ft.	\$_____	\$_____
606.0130	Guardrail, Strong Post W-Beam with Rubrail	75	Lin. Ft.	\$_____	\$_____
606.0140	Guardrail, Nested Strong Post W-Beam with 8-Ft. Post	25	Lin. Ft.	\$_____	\$_____
606.0600	W-Beam End Section	1	Each	\$_____	\$_____
606.0700	Terminal Section, Type G with Rounded End	1	Each	\$_____	\$_____
606.0800	Terminal Section, Modified Type G with Rounded End	1	Each	\$_____	\$_____
606.0900	Terminal Section, Type FLEAT-350	1	Each	\$_____	\$_____
631.0130	Warning Sign (10 Sq. Ft. or Less)	1	Each	\$_____	\$_____
645.0100	Traffic Control	L.S.	L.S.	L.S.	\$_____
645.0200	Additional Police Officers, And Additional Control Devices and Additional Advertisements	F.A.	F.A.	F.A.	\$ <u>75,000.00</u>

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P-8

PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY (a)	UNIT	UNIT PRICE (b)	AMOUNT (a)x(b)
648.0100	Filed Posted Drawings	L.S.	L.S.	L.S.	\$ _____
671.0100	Protection of Seabirds	F.A.	F.A.	F.A.	\$ <u>10,000.00</u>
691.1000	Archeological Monitoring	F.A.	F.A.	F.A.	\$ <u>50,000.00</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.	\$ _____
<p>a. Sum of All Items \$ _____</p> <p>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) \$ _____</p> <p>c. Amount for Comparison of Bids (a + b) \$ _____</p> <p style="margin-top: 20px;">All bidders must fill in b and complete c</p> <p>NOTE: Bidders must complete all unit prices and amounts. Failure to do so may be grounds for rejection of bid.</p>					

MINUTES OF THE PRE-BID MEETING

PROJECT: Guardrail and Shoulder Improvements at Various Locations
Kuhio Highway, Route 56 (M.P. 3.70)
and Kuhio Highway, Route 560 (M.P. 6.25)
Districts of Lihue and Hanalei, Island of Kauai

PROJECT NO. STP-0700(067)

LOCATION: 1720 Haleukana Street
Lihue, Kauai, Hawaii

DATE & TIME: August 4, 2016 at 9:00 A.M.

IN ATTENDANCE: Raymond J. McCormick	HDOT – HWY-K
Fred Reyes	HDOT – HWY-K
Janil Ke	HDOT – HWY-K
Bernie Vargas	HDOT – HWY-K
James Marshall	GP Road way Solutions
David Takiguchi	GP Roadway Solutions
Scott Sheldon	Earthworks Pacific
Dave O'Neill	Global Specialty Contractor

The meeting started at 9:00 A.M. Fred Reyes began the meeting with a brief overview of the background and scope of work.

HDOT informed the attendees that 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. It was also noted that the questions and responses to the questions would be included in an addendum.

HDOT opened the floor to questions.

Question # 1: On Plan Sheet No. 3, note no. 9, since there are no existing earth swales within the project limits, how does the Contractor address this scope of work?

Response: HDOT will revise Plan Sheet No. 3 – GENERAL NOTES AND LEGEND via an addendum.

Question # 2: On Plan Sheet No. 3 note no. 17, Clarify the locations of guardrails to be paved with asphalt.

Response: HDOT will revise Plan Sheet No. 3 – GENERAL NOTES AND LEGEND via an addendum.

Question # 3: Does the contractor required to shop paint guardrail that is to be installed in Route 560 Mile Post 6.25 (Wainiha area)?

Response: Yes, guardrails shall be shop coated in accordance with Section 606 of the Special Provisions.

Question # 4: Are there weight limits for trucks to cross various bridges to get to the job site?

Response: Weight limit for Hanalei Bridge is 15 tons and weight limit for Waioli, Wailapa and Waikoko Bridges is 8 tons.

Question # 5: Is contractor to dispose existing concrete barriers at Wainiha area?

Response: Existing portable concrete barriers are to remain. DOT will revise Plan Sheet No. 3 – GENERAL NOTES and Plan Sheet No. 15 – ROADWAY PLAN via an addendum.

Question # 6: There are low hanging wires in the area, are they electrical and communication wires? What is the offset off of the road?

Response: There are both electrical and communication wires. The Contractor shall coordinate with the respective utility companies regarding working clearance from these power lines.

Question # 7: Checking on the reason for installing G-1 and Type G-1d end treatment on the same guardrail run in Wainiha area. Is the slope stable enough to handle excavation for the installation of these end treatments?

Response: Type G-1d end treatment shall be replaced with Nested Long Span Strong Post W-Beam and W-Beam End Section (ROUNDED RWE03a). HDOT will replace Plan Sheet No. 11 – TYPE G-1d TERMINAL and revise Plan Sheet No. 7 – GUARDRAIL DETAILS AND NOTES via an addendum.

The following RFI's (Request for Information) were received by HDOT thru email before the meeting:

RFI # 1: Are advisory boards needed at both locations? Are construction work zone signs needed at both locations?

Response: Yes to both questions.

RFI # 2: What BMP work will be required for the project?

Response: Refer to Section 209 of the Special Provisions and Plan Sheet Nos. 4, 5, & 6 – WATER POLLUTION AND EROSION CONTROL NOTES.

With no further questions or comments, the pre-bid meeting was adjourned at 10:00 A.M.

The minutes of the meeting will be distributed in Addendum No. 1 to the Contract Plans. Contractors will be notified when addendum will be available for pick up.

PRE-BID CONFERENCE ATTENDANCE LIST

PROJECT : STTP-0700(067), GUARDRAIL AND SHOULDER IMPROVEMENTS AT VARIOUS LOCATIONS, KUHIO HIGHWAY, 56 (M.P. 3.70 AND KUHIO HIGHWAY, RTE 560 (M.P.) 6.25

DATE: Aug. 4 2016 TIME: 9:00 AM LOCATION: 1720 HALEUKANA STREET, LIHUE, KAUAI, HAWAII 96766

CALLED BY: RAYMOND J. McCORMICK

PLEASE PRINT

PARTICIPANT	COMPANY / ORGANIZATION	ADDRESS (Including City and Zip Code)	EMAIL (Print legibly)	PHONE/FAX NUMBERS
1 BERNIE VARGAS	HDOT	1720 HALEUKANA ST. LIHUE	BERNIE.P.VARGAS@HAWAII.GOV	241-3018/241-3011
2 JANIL KE	HDOT	1720 HALEUKANA ST, LIHUE	Janil.Ke@hawaii.gov	241-3025/241-3011
3 James Marshall	GP Roadway Solutions	660 MADUSAPUA ST HONOLULU 96819	jmarshall@gproadwaysolutions.com	833-2502 x 202
4 DAVID ZALCUEWA	GPAS	"	d.zalcuewa@gproadwaysolutions.com	837-2502
5 Fred Reyes	HDOT Kauai Hwy	1720 Haleukana St., Lihue 96766	fred.reyes@hawaii.gov	241-3017/241-3011
6 Scott Sheldon	Earthworks Pacific	4180 HOGA LIHUE 96766	scott@earthworkspacific.com	246-8808/246-8812
7 DAVE O'NEILL	Global Specialty Const.	94-828 Pakela St. Waipahu HI 96797	daoneill@globalspecialty.net	843-8881/843-8882
8 Ray McCormick	HDOT	1720 Haleukana St Lihue	raymond.j.mccormick@hawaii.gov	241-3015/651-2693
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