

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

**ADDENDUM NO. 1
for
QUEEN KA'AHUMANU HIGHWAY
INTERSECTION IMPROVEMENTS
AT KAWAIHAE ROAD**

FEDERAL-AID PROJECT NO. HSIP-019-1(41)

The following amendments shall be made to the Bid Documents:

A. TABLE OF CONTENTS

1. Replace the Table of Contents pages 1 and 2 dated 7/6/15 with the attached Table of Contents pages 1 to 3 dated 12/05/17.

B. DISADVANTAGED BUSINESS ENTERPRISE (DBE) REQUIREMENTS

The Disadvantaged Business Enterprise Requirements dated 6/13/17 shall be deleted in its entirety and replaced with the Disadvantaged Business Enterprise Requirements dated 11/17/17 included with the original bid documents.

Bidders' (Prime Contractor and Subcontractors) attention is directed to Section XII CONTRACT COMPLIANCE. DBE participation reports and prompt payment certification shall be reported electronically in the HDOT online Certification and Contract Compliance Management System.

C. SPECIFICATIONS

1. Add the attached Section 304 – Aggregate Base Course page 304-1h dated 12/04/17.
2. Delete Section 415 – Cold Planing of Existing Pavement page 415-1a dated 07/01/08 in its entirety.
3. Amend Section 603 – Culverts and Storm Drains by replacing page 603-1a dated 02/07/12 with the attached page 603-1h dated 12/01/17.
4. Add the attached Section 606 – Guardrails pages 606-1h to 606-3h dated 12/03/17.

Addendum No. 1
12/05/17

5. Add the attached Section 612 - Grouted Rubble Paving page 612-1h dated 12/04/17.
6. Add the attached Section 626 – Manholes and Valve Boxes for Utility Systems pages 626-1h to 626-3h dated 12/04/17.
7. Amend Section 629 – Pavement Markings by replacing pages 629-3a and 629-4a dated 5/20/09 with the attached pages 629-3a and 629-4a dated 12/04/17.
8. Add the attached Section 630 – Traffic Control Guide Signs page 630-1h dated 12/04/17.
9. Add the attached Section 631 – Traffic Control, Regulatory, Warning, and Miscellaneous Signs pages 631-1h to 631-3h dated 12/04/17.

C. PROPOSAL

1. Replace pages P-8 to P-10 dated 11/20/17 with the attached pages P-8 to P-10 dated 12/04/17.

D. PLANS

1. Amend Plan Sheet Nos. 2, 3, 7 to 10, 12 to 14, 16, 17, 19, 20, 28, 29, and 33 to 42 by replacing them with the attached Plan Sheet Nos. ADD. 2, ADD. 3, ADD. 7 to ADD. 10, ADD. 12 to ADD. 14, ADD. 16, ADD. 17, ADD. 19, ADD. 20, ADD. 28, ADD. 29, and ADD. 33 to ADD. 42.

E. PRE-BID MEETING MINUTES, REQUESTS FOR INFORMATION (RFIs) AND OTHER INFORMATION


1. Attached are the December 4, 2017 minutes of the pre-bid meeting and the attendance sheet 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.
3. Attached are files with additional information regarding the NPDES permit for this project:
 - a. Storm Water Pollution Prevention Plan (SWPPP)
filename: 500 HDOT.SWPPPTemplate.pdf
 - b. Notice of General Permit Coverage

Addendum No. 1
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filename: 20170628.R10F291.FNL.17.pdf

- c. SWPPP Attachment A-1, BMP Maps
filename: 510 A1 BMP All.pdf
- d. Certification of Clean Water Branch SWPPP
filename: SWPPP Certification.pdf
- e. Clean Water Branch NOI Form
(Submission No. 2RC-J4PJ-X098S)
filename: 2RC-J4PJ-X98S-v1-SubmissionDownload.pdf
- f. Clean Water Branch, NOI Form C
filename: 010 NOIFormC20130820-v1.docx
- g. Form C Attachment A-1, Location and Outfall Maps
filename: 011 Form C Attch All-v1.pdf
- h. Clean Water Branch NOI Form - Section 5 (Tax Map Key)
filename: tmknoi-v1.xlsx

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
Interim Director of Transportation

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626	Manholes and Valve Boxes for Utility Systems	626-1h – 626-3h
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Performance Bond

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Labor and Material Payment Bond

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(I) Amend **Section 304.04 Measurement**, from lines 54 to 55, to read as follows:

(II) Amend **Section 304.05 Payment**, from lines 145 to 154, to read as follows:

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

Pay Item	Pay Unit
Aggregate Base	Ton"

END OF SECTION 304

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(I) Amend Subsection 603.03 Construction (C)(1) Culverts, by revising lines 106 to 108 to read as follows:

(II) Amend **Section 603.04 Measurement**, from lines 284 to 288 to read as follows:

(B) The Engineer will measure Structural Plate Pipe Arch Culvert per linear foot in accordance with the contract documents.”

“603.05 Payment. The Engineer will pay for the accepted pay items 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.

Pay Item	Pay Unit
Bed Course Material for Culvert	Cubic Yard
_____ Structural Plate Pipe Arch Culvert, No. ____ Gage	Linear Foot"

HSIP-019-1(41)
603-1h

12/01/17

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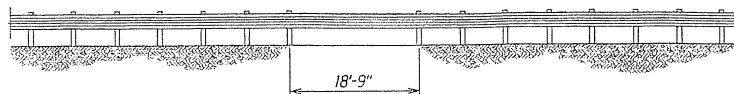
(I) Amend Subsection 606.03(A) – Beam Type Guardrail by adding the following after line 81:

If more than one nested long span is required in the same longitudinal guardrail installation, the nested long spans shall be separated by a minimum of twenty-five (25) feet.”

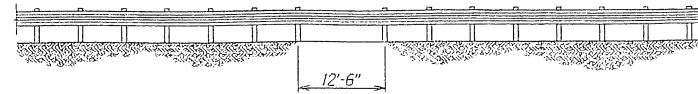
“606.04 Measurement. Guardrail and reset guardrail will be measured per linear foot. End anchorage, terminal section, and transition section will be measured per each. Nested Long Span shall be considered incidental to guardrail installation and shall not be measured separately.”

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

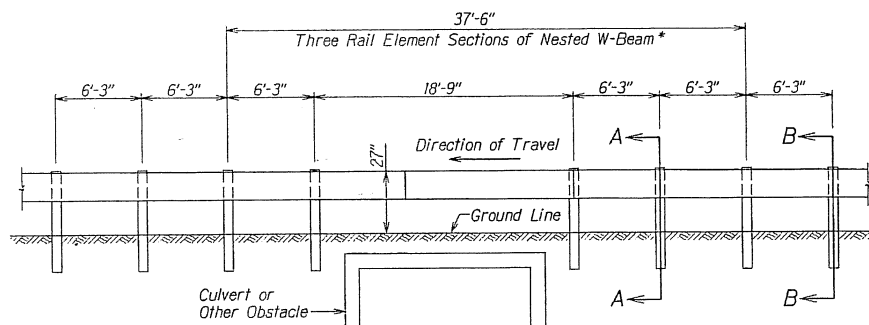
46	Pay Item	Pay Unit
47		
48	Guardrail Type _____	Linear Foot
49		
50	End Anchorage Type _____	Each
51		
52	Terminal Section Type _____	Each
53		
54	Transition Section Type _____	Each
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56	Reset Guardrail	Linear Foot"
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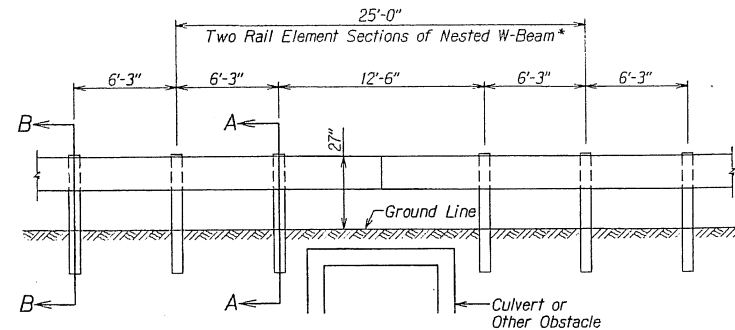
LONG SPAN OVER CULVERT



LONG SPAN OVER CULVERT



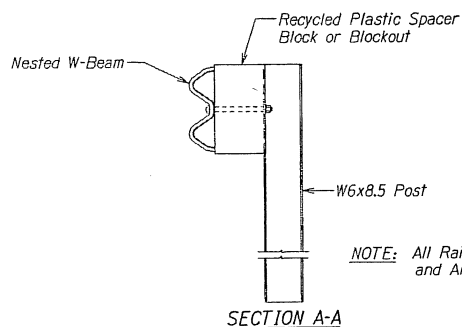
NESTED LONG SPAN STRONG POST
W-BEAM GUARDRAIL OVER 18'-9" CULVERT
(MAXIMUM DYNAMIC DEFLECTION OF 3.2 FT.)



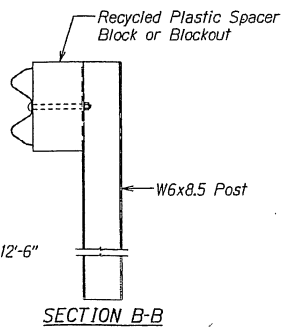
(SPlice IN CENTER OF 12'-6" SPACING)

NESTED LONG SPAN STRONG POST
W-BEAM GUARDRAIL OVER 12'-6" CULVERT
(MAXIMUM DYNAMIC DEFLECTION OF 3.1 FT.)

*Note: All nested W-Beam splice points shall be staggered.



SECTION A-A



SECTION B-B

NOTE: All Rail Elements Sections are 12'-6" and All Posts are 6' Long

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
<u>NESTED LONG SPAN STRONG POST</u> <u>W-BEAM GUARDRAIL OVER CULVERT</u>	
Scale: NTS	Date: 12/1/17
SHEET No. 1 OF 1 SHEETS	

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(I) Amend Section 612.04 Measurement, from lines 46 to 47 to read as follows:

(II) Amend Section 612.05 Payment, from lines 49 to 60, to read as follows:

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

Pay Item	Pay Unit
Grouted Rubble Paving	Cubic Yard"

END OF SECTION 612

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(I) Amend the title of this section by amending lines 1 and 2 to read:

(II) Amend **Section 626.03 Construction** by adding the following after line 171:

Partial details of the 4'-0" x 6'-6" x 6'-6" Hawaiian Telcom manhole are shown on pages 636-2h and 636-3h. Complete details may be found in the Hawaiian Telcom Standard Specifications for Placing Telephone System."

“626.04 Measurement. Pay items listed below will be measured “per each.”

“626.05 Payment. The Engineer will pay for the accepted pay items 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. Removal of the old box or manhole and installing new box at the same location shall be paid for as reconstructing.

Pay Item	Pay Unit
Reconstructing Hawaiian Telcom Manhole _____	Linear Foot"

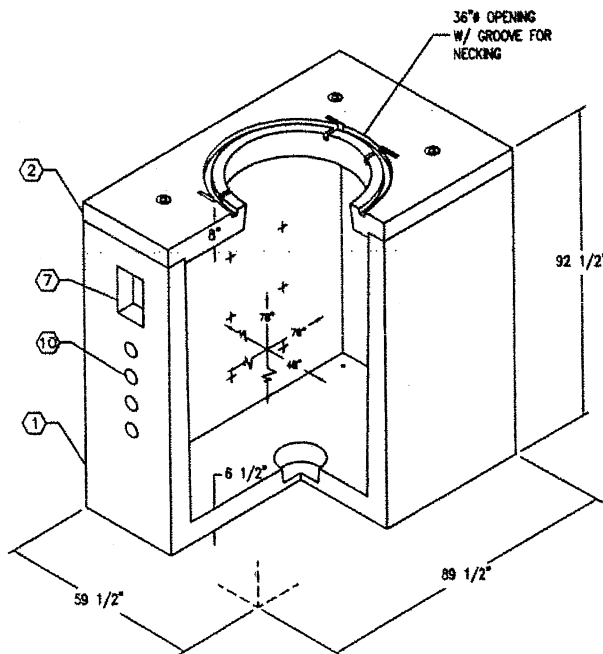
4'-0" x 6'-6" x 6'-6" HAWAIIAN TELCOM MANHOLE

NOTES:

- MANHOLE DESIGNED IN ACCORDANCE WITH AASHTO H-20 LRFD TRAFFIC BRIDGE LOADING USING 5,500 PSI COMPRESSIVE STRENGTH CONCRETE AND 60,000 PSI YIELD STRENGTH ASTM A-615 OR A-706 STEEL REINFORCEMENT PER CALCS. No. 466-201-33
 - LIMIT OF COVER OVER ROOF SECTION IS 1'-6" TO 5'-0". WATER TABLE BASED ON THREE FEET.
 - MANHOLE TO BE PLACED ON A MIN. 6" BASE OF CRUSHER RUN FOR EASE OF INSTALLATION AND EVEN LOAD DISTRIBUTION.
 - INTERIOR CONCRETE BUG HOLES TO BE HAND SACKED PRIOR TO BEING PAINTED.
 - ALL WALLS AND CEILINGS SHALL BE PAINTED WHITE.
 - PRODUCT TO BE STENCILED: (INSIDE AND OUTSIDE)
 - MANUFACTURER
 - DATE OF POUR
 - PRODUCT PART NO.
 - WEIGHT
1. UV466-B78-33, 78" BOTTOM SECTION. WT. 14,800 lbs.
 2. UV466-T8-33, 8" TOP SLAB. WT. 3,000 lbs.
 3. A1134 30" DIA. TRAFFIC RING (6") & COVER W/ MARK AS REQ'D.
 4. 7/8" x 6" STAINLESS STEEL PULL IRON. LOCATE AS FOLLOWS: BOTTOM SECTION (2) CORE MTD.
 5. MN36-R8, 12 - 36" DIA RINGS AS REQ'D
 6. 12" x 13" DIA. SUMP x 4 1/2" DEEP WITH 1/4" SAFETY PLATE COVER. LOCATE AS FOLLOWS: BOTTOM SECTION (1) CORE MTD.
 7. 7" x 12" K.O. x 4 1/2" DEEP. DRAFT AS FOLLOWS: 1" TYP. BOTTOM SECTION (2) SHELL MTD.
 8. 7/8" DIA. x 3 3/8" STAINLESS STEEL RECESSED PULL IRON. LOCATE AS FOLLOWS: TOP SLAB (4) TABLE MTD.
 9. 1/2" PLASTIC INSERT. LOCATE AS FOLLOWS: BOTTOM SECTION (24) CORE MTD.
 10. 4" DIA. TERMS (SCH. 40). LOCATE AS FOLLOWS: BOTTOM SECTION (8) SHELL MTD.
 11. 1/2" BRONZE INSERT WELDED TO THE INTEGRAL STEEL REBAR CAGE. LOCATE AS FOLLOWS: BOTTOM SECTION (6) CORE MTD.
 12. 1/4" BRONZE INSERT WELDED TO THE INTEGRAL STEEL REBAR CAGE. LOCATE AS FOLLOWS: BOTTOM SECTION (2) CORE MTD.
 13. 1/4" DIA. P1ST INSERT; BOTTOM SECTION (2) CORE MTD.

THE FOLLOWING MATERIAL TO BE SHIPPED WITH THE MANHOLE

- a) 7/8" x 1 3/4" GASKET (45 FT. REQ'D.)
- b) A-3383 GALVANIZED LADDER STEPS (2 REQ'D.)
- c) A-3600 GALVANIZED LADDER 8" (1 REQ'D.)
- d) FOR RACKING PACKAGE SEE DRAWING No. CR-466FM78-33



MINIMUM EXCAVATION SIZE:
6'-0" x 8'-6" x DEPTH REQ'D.

Hawaiian Telcom

AUTOCAD 2006

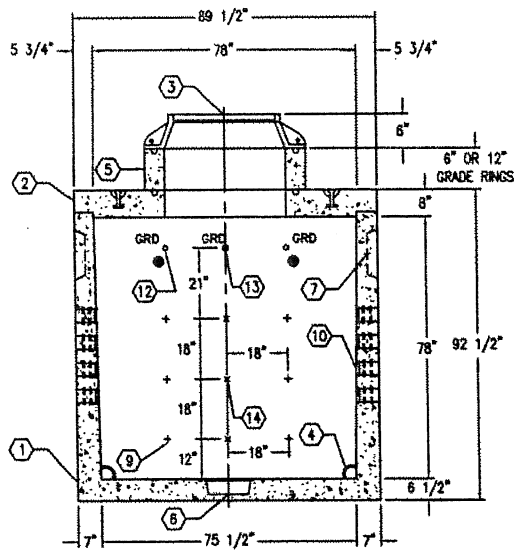
K466-FM78-33

PER HAWAIIAN TELCOM SPEC'S.

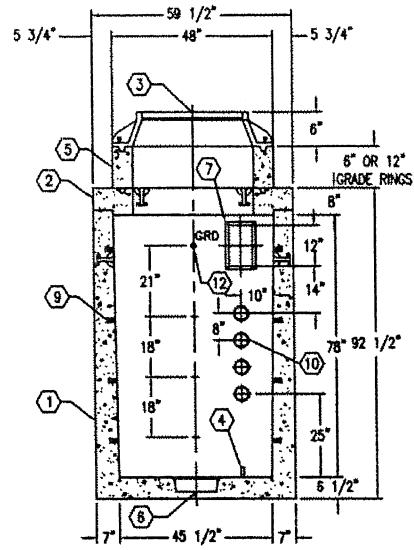
11-14-06

HSIP-019-1(41)
626-2h

4'-0" x 6'-6" x 6'-6" HAWAIIAN TELCOM MANHOLE

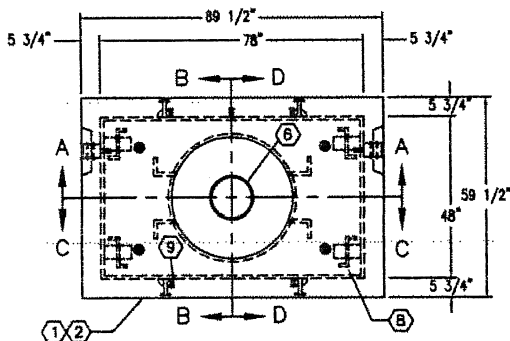


SECTION A-A/C-C

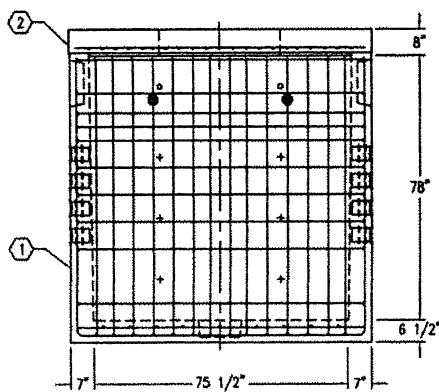


SECTION B-B

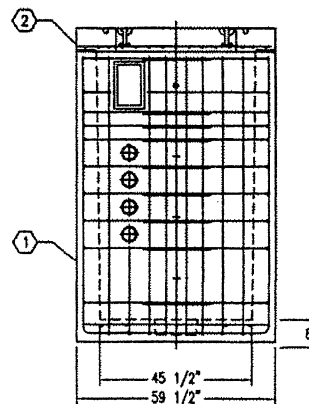
(SECTION D-D OPPOSITE HAND)



PLAN VIEW



TYPICAL SIDE REINFORCING



TYPICAL END REINFORCING

#	DATE	DESCRIPTION	BY

K466-FM78-33

PER HAWAIIAN TELCOM SPEC'S

11-14-06

END OF SECTION 626

HSIP-019-1(41)
626-3h

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, Arrows, Words and Symbols.** The Engineer will measure pavement markers, pavement arrows, pavement words, and pavement symbols per each."

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

"629.05 Payment. The Engineer will pay for the accepted pay items 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 the following pay items when included in the proposal schedule:

110	Pay Item	Pay Unit
111		
112	____-Inch Pavement Striping (Thermoplastic Hot Spray)	Linear Foot
113		
114	____-Inch Pavement Striping (Thermoplastic Extrusion)	Linear Foot
115		
116	Type ____ Pavement Marker	Each
117		
118	Pavement Arrow (Tape, Type III or Thermoplastic Extrusion)	Each
119		
120	Pavement Word (Tape, Type III or Thermoplastic Extrusion)	Each
121		
122	Pavement Symbol (Tape, Type III or Thermoplastic Extrusion)	Each"
123		
124		
125		
126		
127		
128	END OF SECTION 629	
129		

1 **SECTION 630 – TRAFFIC CONTROL GUIDE SIGNS**

2
3 Make the following amendment to said Section:

4
5 **(I) Amend Section 630.04 – Measurement (C),** lines 213 to 221, to read as
6 follows:

7
8 **“(C)”** The Engineer will measure breakaway steel post and foundation
9 for ground-mounted destination sign per each.”

10
11
12 **(II) Amend Section 630.05 – Payment,** lines 223 to 296, to read as follows:

13
14 **“630.05 Payment.** The Engineer will pay for the accepted pay items
15 listed below at the contract price per pay unit, as shown in the proposal schedule.
16 Payment will be full compensation for the work prescribed in this section and the
17 contract documents.

18
19 The Engineer will pay for the following pay items when included in the
20 proposal schedule:

Pay Item	Pay Unit
Panel for _____	Square Foot
The Engineer will pay for:	
(A) 80 percent of the contract bid price upon completion of furnishing and installing complete sign panel.	
(B) 20 percent of the contract price upon completion of labeling sign panel.	
Breakaway Steel Post _____ and Foundation for Ground-Mounted Destination Sign	Each”

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44 **END OF SECTION 630**

1 **SECTION 631 – TRAFFIC CONTROL, REGULATORY, WARNING, AND**
2 **MISCELLANEOUS SIGNS**

3
4 Make the following amendment to said Section:

5
6 **(I)** Amend Section 631.03(C) Labeling of Signs, from lines 42 to 51 to read:

7
8 **“(C) Labeling of Signs.** Label back of each sign with sign stickers as
9 directed by the State. Sign stickers will be provided by the State.”

10
11 **(II)** Amend **Section 631.03 Construction** by adding the following subsection
12 after line 65:

13
14 **“(G) Additional Sign Requirements.**

15
16 (1) Letter Size

17 (a) When letters are all uppercase, use series "E".

18 (b) When initial uppercase letter is used in conjunction with
19 lowercase letters, use series "E" (M) for upper case letter.

20
21 (2) All signs shall conform to Section 621 of the Standard Specifications
22 (as modified by the Special Provisions, as applicable) and the latest
23 editions and amendments of the following FHWA publications:

24 (a) Manual on Uniform Traffic Control Devices for Streets and
25 Highways (MUTCD)

26 (b) Standard Highway Signs

27 (c) Standard Alphabets for Highway Signs

28
29 (3) Borders, messages, arrows, symbols and shield shall conform to the
30 details as shown on the plans and as specified in the MUTCD.

31
32 (4) Sign messages shall be as indicated on the plans.

33
34 (5) All panels shall be reflectorized in accordance with Section 712.20 of
35 the Standard Specifications. Minimum width of panels shall be 2 feet.
36 Abutting edges of panels shall be in only one direction if vertical
37 abutting edges are used. No horizontal abutting edges shall be
38 allowed.

39
40 (6) Contractor shall submit all sign splicing details to the Engineer for
41 approval. All backing for signs up to and including 4 feet by 6 feet
42 shall be of one sheet.

43
44 (7) Final locations of all signs shall be approved by the Engineer prior to
45 any installation work.
46

- 47 (8) Existing signs that are to be replaced, shall be removed until new
48 signs are installed as replacements, or the messages are no longer
49 necessary.
50
51 (9) Existing signs not shown on these plans shall remain as posted
52 unless otherwise directed by the Engineer.
53
54 (10) All new signs and sign panels shall be identical to the existing signs
55 that they replace, unless otherwise noted on the plans. The
56 Contractor shall submit shop drawings to the Engineer for approval
57 prior to fabricating the signs.
58
59 (11) New Speed Limit signs shall be 36" x 48" and installed on two posts.
60 New Reduced Speed and Minimum Speed signs shall be 24" x 30"
61 size signs.
62
63 (12) All signs greater than 10 square feet shall be installed with two posts,
64 unless otherwise noted on the plans.
65
66 (13) After removing existing sign posts, backfill post holes with selected
67 material accepted by the Engineer. Place backfill in layers and
68 compact each layer as accepted by the Engineer. Grade and
69 compact before resetting existing posts and installing new posts.
70
71 (14) All signs shall be installed on square tube posts, unless otherwise
72 noted.
73
74 (15) Mount sign posts with RM-3 reflector markers as directed in the field
75 by the Engineer.
76
77 (16) Sign posts shall be painted with yellow reflective paint, except where
78 located behind guardrails. Such paint work shall be considered
79 incidental to sign items."
80

81 (III) Amend **Section 631.04 – Measurement**, from lines 67 to 69, to read as
82 follows:
83

84 **"631.04 Measurement.** The Engineer will measure regulatory, warning,
85 and miscellaneous signs as complete units of the type and design specified in
86 the proposal.
87

88 The Engineer will not measure removal and disposal and storing of existing and
89 temporary signs that the Contractor will not incorporate in the completed highway
90 for payment."
91
92

(IV) Amend **Section 631.05 – Payment** by replacing lines 71 to 99 to read as follows:

“631.05 Payment. The Engineer will pay for regulatory, warning, and miscellaneous signs at the contract price per each for the type and design specified complete in place. Payment will be full compensation for excavating and backfilling, furnishing and installing materials, furnishing equipment, tools, labors and incidentals necessary to complete the work.

The Engineer will not pay for removing and disposing or storing of existing and temporary signs that the Contractor will not incorporate in the completed highway separately. The Engineer will consider them incidental to the various contract items.

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

Pay Item	Pay Unit
Regulatory Sign (10 Square Feet or Less) _____	Each
Regulatory Sign (More than 10 Square Feet) _____	Each
Warning Sign (10 Square Feet or Less) _____	Each
Warning Sign (More than 10 Square Feet) _____	Each
_____ Sign	Each
Relocation of Existing _____ Sign	Each”

END OF SECTION 631

PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
201.0200	Clearing and Grubbing	L.S.	L.S.	L.S.	\$ _____
203.0100	Roadway Excavation	22	C.Y.	\$ _____	\$ _____
203.0200	Borrow Excavated Material	1,124	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>
212.1000	Temporary Construction Fence	400	L.F.	\$ _____	\$ _____
212.2000	Archaeological Monitoring	F.A.	F.A.	F.A.	\$ <u>50,000.00</u>
301.0300	Hot Mix Asphalt Base Course	502	Ton	\$ _____	\$ _____
304.0100	Aggregate Base	555	Ton	\$ _____	\$ _____
401.0400	HMA Pavement Mix No. IV	335	Ton	\$ _____	\$ _____
603.0100	Bed Course Material for Culvert	10	C.Y.	\$ _____	\$ _____
603.1010	12'-8" x 8'-1" Structural Plate Pipe Arch Culvert, No. 8 Ga.	35	L.F.	\$ _____	\$ _____
603.9000	Clean Existing Culverts	F.A.	F.A.	F.A.	\$ _____
606.7000	Guardrail Type 3 W-Beam with Strong Post	1,062.5	L.F.	\$ _____	\$ _____

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PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
606.7000	Terminal Section Type (Mod A-1 with Rub Rail)	1	EACH	\$ _____	\$ _____
606.7100	Terminal Section Type (Fleat-350)	2	EACH	\$ _____	\$ _____
612.1000	Grouted Rubble Paving	21	CY	\$ _____	\$ _____
615.1000	Milled Rumble Strip, Centerline	678	L.F.	\$ _____	\$ _____
622.1000	Relocate Existing Street Light System	L.S.	L.S.	L.S.	\$ _____
622.2000	Relocate Existing Flashing Warning Beacon System	L.S.	L.S.	L.S.	\$ _____
626.0400	Reconstructing Hawaiian Telcom Manhole 4'-0" x 6'-6" x 6'-6"	4	EACH	\$ _____	\$ _____
629.1014	Double Yellow 4-Inch Pavement Striping (Thermoplastic Hot Spray)	2,539	L.F.	\$ _____	\$ _____
629.1016	Single White 4-Inch Pavement Striping (Thermoplastic Extrusion)	3,996	L.F.	\$ _____	\$ _____
629.1018	Single White Guide 4-inch Pavement Striping (Thermoplastic Extrusion)	533	L.F.	\$ _____	\$ _____
629.1020	Single White 8-Inch Pavement Striping (Thermoplastic Extrusion)	806	L.F.	\$ _____	\$ _____
629.1021	Single White 12-Inch Pavement Striping (Thermoplastic Extrusion)	143	L.F.	\$ _____	\$ _____
629.1022	Single Yellow 12-Inch Pavement Striping (Thermoplastic Extrusion)	144	L.F.	\$ _____	\$ _____
629.2012	Type C Pavement Markers	127	EACH	\$ _____	\$ _____

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PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
629.2014	Type D Pavement Markers	87	EACH	\$ _____	\$ _____
629.2050	Pavement Arrow (Tape, Type III or Thermoplastic Extrusion)	7	EACH	\$ _____	\$ _____
629.2060	Pavement Word (Tape, Type III or Thermoplastic Extrusion)	1	EACH	\$ _____	\$ _____
630.0100	Panel for Destination Sign	40.5	S.F.	\$ _____	\$ _____
630.2010	Breakaway Steel Post and Foundation for Ground-Mounted Destination Sign	2	EACH	\$ _____	\$ _____
631.0100	Regulatory and Warning Sign (10 Square Feet or Less) with post	5	EACH	\$ _____	\$ _____
631.0200	Regulatory and Warning Sign (10 Square Feet or Less) without post	3	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 10 Percent of the Sum of All Items Excluding this Item and all Force Account Items)	L.S.	L.S.	L.S.	\$ _____

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MINUTES FOR PRE-BID MEETING

PROJECT: Queen Ka'ahumanu Highway
Intersection Improvements at Kawaihae Road

PROJECT NO.: HSIP-019-1(41)

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

DATE & TIME: Monday, December 4, 2017 at 9:00 a.m.

ATTENDING: (See attached sign-in log.)

Robert Taira began the meeting by introducing himself as Project Manager, Natasha Soriano as Project Engineer, Clifford Corpuz as one of the staff engineers, and Donald Smith as Hawaii District Engineer.

Robert announced that before opening the meeting up for questions and answers, there were two items that HDOT wanted to discuss: the new Section 108 – Prosecution and Progress of the Special Provisions and the forthcoming Addendum No. 1.

Robert stated that the new Section 108 has a provision for a 60-day time frame between the time the Notice to Proceed is issued until the time the Contractor must begin construction. The reason for the new provision is because HDOT had noticed that some contracts were taking an unusually long period of time before the Contractor was ready to begin construction. Henceforth, the Contractor must anticipate all of the licenses, permits, and other coordination items well before he receives the Notice to Proceed to ensure that he can meet the 60-day start construction timeline.

Robert then proceeded with the overview of the upcoming addendum. The purpose of the addendum was to clarify errors and omissions on the original plans. Also, due to the relatively short bid time allowed for this project, most of the lump sum pay items on the proposal will be changed to unit quantities in order to minimize the risk to the Contractors for overlooking an item.

1. Special Provisions.

- a. Section 304 – Aggregate Base Course, Section 603 – Culverts and Storm Drains, Section 606 – Guardrails, Section 612 – Grouted Rubble Paving, Section 629 – Pavement Markings, Section 630 – Traffic Control Guide Signs, and Section 631 – Traffic Control, Regulatory, Warning, and Miscellaneous Signs added to change Lump Sum bid items to unit quantity bid items.
- b. Section 626 – Manholes and Valve Boxes for Utility Systems added to Special Provisions to better describe the work required for reconstructing

Hawaiian Telcom manholes and boxes, including details for 4'-0" x 6'-6" x 6'-6" manhole.

- c. Section 415 – Cold Planing of Existing Pavement deleted from the Special Provisions.

2. Proposal Schedule.

- a. Most of the Lump Sum bid items changed to unit quantity bid items.
- b. Errors in quantities corrected, Contractors referred to upcoming addendum for more information as to exact items and changes.
- c. Item for Bed Course Material for Culvert added for 6" bed course under the new culvert extension.
- d. Milled Edge Line Rumble Strip pay item deleted. No new edge line (shoulder) rumble strips are to be installed, just new centerline rumble strips are called for under this project.
- e. Item 606.0400 changed from "Adjusting Hawaiian Telcom Manhole Frame and Cover" to "Reconstructing Hawaiian Telcom Manhole 4'-0" x 6'-6" x 6'-6"" in order to better describe the work. Also, the pay item changed from Lump Sum to 4 EACH.
- f. Pay items added for "Relocate Existing Street Light System" and "Relocate Existing Flashing Warning Beacon System", new work shown on addendum plans.
- g. Pay items added for destination sign panels (40.5 square feet); breakaway steel posts and foundation for destination signs (2 each); regulatory and warning signs, 10 S.F. or less, with post (5 each); and regulatory and warning signs, 10 S.F. or less (2 each).

3. Plans.

- a. Sheet ADD. 2: Applicable circles added for breakaway support, mounting, and sign panel details for the relocated destination sign called out on the plans.
- b. Sheet ADD. 3: Notes added regarding accommodation of the Ironman Triathlon schedule and regarding no new shoulder rumble strips will be installed under this project.
- c. Sheets ADD. 7 and ADD. 8: AC Mix V labels corrected to AC Mix IV.
- d. Sheets ADD. 9: Corrected station callouts and lengths of guardrail to be installed.
- e. Sheet ADD. 10: Corrected station callouts and lengths of guardrail to be installed; deleted reference to 8-foot guardrail posts (no 8-foot guardrail posts are required for this project); and corrected reference to Drainage Plan and Details from Sheets 17 and 18 to Sheets 19 and 20.
- f. Sheet ADD. 13: Deleted yield bar, added two stop bars, and note added referring to Sheet 17 for details on relocating existing flashing warning beacon.
- g. Sheets ADD. 16 and 17: Utility plans revised to show work that needs to be done by Contractor (reconstruct 4 Hawaiian Telcom manholes, relocate one street light pole and relocate one flashing warning beacon); to show

work to be done by others (relocation of power poles and joint poles); and items to remain that may require handwork to preserve in place (3 water meter handholes).

- h. Sheet ADD. 19: Note added to refer to the Special Provisions, Section 606 – Guardrails, for details and instructions on omitting the guardrail posts in the vicinity of the culvert outlet. (There is insufficient cover over the new culvert extension to drive regular length guardrail posts.)
- i. Sheet ADD. 20: Detail added to install 6" Bed Course material under new culvert extension.
(Post Edit: After the Pre-Bid Meeting was over, Sheet ADD. 20 was subsequently changed by changing the batter of the GRP inlet structure from 1-1/2:1 to 2:1. The resultant culvert extension changed from 29± feet to 35± feet. The GRP inlet structure was also widened from 23-1/2± feet to 24-1/2± feet. The detail to install 6" Bed Course material was dropped from this sheet and a note was added on Sheet ADD. 19 instead.)
- j. Sheets ADD. 28 and 29: All schedules (with the exception of the centerline rumble strip schedule) changed to reflect revised quantities and to correct errors and omissions in the original schedules.
- k. Sheets ADD. 33 to ADD. 42: Cross-section sheets amended as to format and presentation, no substantive changes.
- l. Other ADD. sheets will be included as part of the addendum, but those sheets only have minor formatting changes, such as line weights and font sizes (Sheets ADD. 12 and 14).

Robert then opened the floor for questions and answers by the Contractors.

1. Question was raised about when the addendum will be published?

The addendum is scheduled for submittal to HDOT's Contracts Office no later than Wednesday, December 6, 2017. It is unknown how long it will take to process and publish the addendum.

2. If Contractors have additional questions after the addendum is published, can they submit RFI's?

Yes, however, we will only answer questions where the answers may be discerned by a plain reading of the bid documents. No new information may be provided, because that might provide an unfair bidding advantage. Consequently, if the Contractors really need to have a question answered, they will need to do so as soon as possible (preferably by today), so that the answer may be disseminated via the forthcoming addendum.

3. Can the bid opening date be extended?

No, due to the tight federal timelines required for this project, no extension of the bid opening date will likely to be granted.

4. How many days are allowed under the project?

68 working days.

5. Are any Corps of Engineers permits required for the culvert extension work?

We will respond to this question in the addendum.

(Post Edit: This is a dry streambed, no Corps permits are required.)

6. What hours are the Contractor allowed to work?

There are no modifications of the working hours under this project. Refer back to the Standard Specifications for working hours.

(Post Edit: Standard Specification, Section 107.03, specifies normal working hours shall be 7:00am to 3:30pm, Monday through Friday, excluding holidays.)

7. Is a grading permit required?

Yes.

(Post Edit: Correction. No grading permit is required for this project.)

8. Are there any site-specific traffic control plans?

No, there are no site-specific traffic control plans in the drawings. Section 645 of the Standard Specifications covers the requirements for traffic control plan submittals by the Contractor.

9. Has the State gotten historic clearances for this project?

Yes, the HDOT has received approval for this project from the State Historic Preservation Division. There is an approved Archaeological Monitoring Plan for this project.

10. Is there an NPDES permit for this project?

Yes, a copy of the Notice of General Permit Compliance was included in the original bid documents. Further information will be provided in Addendum No. 1.

The meeting concluded at 9:27am.

Requests for Information - Received Before the Pre-Bid Meeting

1. Plan Sheet 29 – Sign Replacement, Removal, and Installation Schedule indicates a new destination sign in Station 82+29. However, it's not included in the bid proposal

schedule and no size & post indicated. Please provide a bid item no. and indicate the sign dimension and post mounting requirement.

2. Plan Sheet 29 – Sign Replacement, Removal, and Installation Schedule indicates new route markers in Stations 87+76, 7+65 & 9+91 . However, these are not included in the bid proposal schedule and no sizes & posts indicated. Please provide a bid item nos. and indicate the sign dimensions and post mounting requirement.
3. Plan Sheet 29 – Sign Replacement, Removal, and Installation Schedule indicates a new stop sign in Station 6+25. However, it's not included in the bid proposal schedule and no size & post indicated. Please provide a bid item no. and indicate the sign dimension and post mounting requirement.
4. Plan Sheet 29 – Construction Sign Schedule indicates Bid Item Nos. 621.7121 (No Posts) & 621.7120 (Two Posts). However, these are not included in the bid proposal schedule. Please verify.

Response to all questions: We cannot provide you any specific information, because that would create a potentially unfair bid situation. However, we can advise you that an addendum is forthcoming that will include clarification of the sign items. We will go over the addendum at the pre-bid meeting.

Queen Ka'ahumanu Highway Intersection Improvements at Kawaihae Road
Project No. HSIP-019-1(41)

Requests for Information - Received After Pre-Bid Meeting

For the pavement markings, could we use ribbon and/or extruded thermoplastic in lieu of hot spray thermoplastic?

The new addendum will change all of the striping to thermoplastic extrusion, with the exception of the double-yellow centerline striping which will remain thermoplastic hot spray. The reason that the double-yellow centerline striping must remain as hot spray is because of the centerline rumble strip construction.

If the Contractor has some other means or method for properly installing the double-yellow centerline striping along with the centerline rumble strip, we will be happy to entertain the suggestion as a contract change order during construction. However, for bidding purposes, a uniform basis for evaluating all bids is required. We will not consider any other changes to the striping at this time.

**QUEEN KAAHUMANU HIGHWAY INTERSECTION IMPROVEMENTS AT KAWAIHAE ROAD
FEDERAL AID PROJECT NO. HSIP-019-1(41)**

Monday, December 4, 2017

PRE-BID MEETING SIGN IN LOG

NAME	COMPANY	PHONE NUMBER	EMAIL ADDRESS
1. Deron Spencer	Grace Pacific	329-8064	dspencer@gracepacific.com
2. Mike Mitchener	Nan, Inc.	808-286-3531	mmitchener@nanhawaii.com
3. TRESA GRACE	JAS. W. GLOVER	808-935-0871	Tresa.G@gloverltd.com
4. DAVID SATO	JAS. W. GLOVER	808-935-0871	David.S@gloverltd.com
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