

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

ADDENDUM NO. 1

FOR

KUHIO HIGHWAY

INTERSECTION IMPROVEMENTS

AT KAPULE HIGHWAY

FEDERAL-AID PROJECT NO. HSIP-056-1(54)

DISTRICT OF LIHUE

ISLAND OF KAUAI

2011

Amend the Bid Documents as follows:

A. SPECIAL PROVISIONS

- a. Delete Section 402 – Superpave Asphalt Concrete Pavement in its entirety. Superpave asphalt concrete pavement will not be used. HMA Pavement, Mix No. IV shall be used instead as specified in Section 401 - Hot Mix Asphalt (HMA) Pavement of the Standard Specifications.

B. PROPOSAL SCHEDULE

- a. Replace the Proposal Schedule pages P-8 to P-12 dated 2/1/09 with the attached Proposal Schedule pages P-8 to P-12 dated r6/13/11.

C. PLANS

- a. Replace Plan Sheet No. 1 with attached Plan Sheet No. ADD.1.
- b. Superpave asphalt concrete pavement will not be used. All references in the plan sheets to superpave asphalt concrete pavement shall be understood to be HMA pavement, mix no. IV instead.

HSIP-056-1(54)

-1-

Addendum No. 1


6/13/11

- c. Contractor shall clean existing culverts. Specifily, the 24" culvert at Station 232+35, the 24" culvert at Station 237+35, and the twin 108" culverts at Station 242+55 as shown on plan sheets 13 and 14.
- d. Revisions to Plan Sheet No 13 and 14 are attached. Note revised leaders for es and ep.
- e. Replace Plan Sheet No. 27 with attached Plan Sheet No. ADD.27. Note pavement marker placements have been revised.
- f. On plan sheets 28, 29 and 30, delete Reflector Markers, RM-3 at sign post and install OM2-2V instead
- g. Delete 2 ½" x 2 ½" square tube posts for Destination Signs and provide posts in accordance with Standard Plan TE-20 instead.

D. PRE-BID MEETING

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.



GLENN M. OKIMOTO, Ph.D.
Director of Transportation

PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
202.1000	Removal of AC Pavement	LS	LS	LS	\$ _____
202.2000	Removal of Concrete Curbs And Gutters	LS	LS	LS	\$ _____
202.3000	Removal of Light Pole Concrete Base	LS	LS	LS	\$ _____
203.1000	Roadway Excavation	3,800	CY	\$ _____	\$ _____
206.0010	Excavation for Storm Drain System	LS	LS	LS	\$ _____
209.0100	Installation, Maintenance, Monitoring, and Removal of BMP	LS	LS	LS	\$ _____
209.0200	Additional Water Pollution, Dust, and Erosion Control	FA	FA	FA	\$ 100,000.00
304.1000	Aggregate Base	550	CY	\$ _____	\$ _____
305.1000	Aggregate Subbase	700	CY	\$ _____	\$ _____
312.0100	Hot Mix Glassphalt Base Course	325	TON	\$ _____	\$ _____
401.1000	HMA Pavement, Mix No. IV	2,700	TON	\$ _____	\$ _____
414.1000	Excavation of Weakened Pavement Areas	150	CY	\$ _____	\$ _____
415.1000	Cold Planing	1,200	SY	\$ _____	\$ _____

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r6/13/2011

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PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
603.0010	Bed Course Material for Culvert	LS	LS	LS	\$ _____
603.0020	24-Inch Reinforced Concrete Pipe, Class III	LS	LS	LS	\$ _____
603.0030	Reinforced Concrete Collar	LS	LS	LS	\$ _____
603.0100	Clean Existing Culverts	FA	FA	FA	\$ 100,000.00
604.5000	Type 2A-9 Inlet, 4 feet to 6 feet	2	EA	\$ _____	\$ _____
604.6000	Reconstruct Grated Drop Inlet	2	EA	\$ _____	\$ _____
614.0120	Adjusting Street Survey Monuments	3	EA	\$ _____	\$ _____
615.1000	16-Inch Milled Rumble Strip, Centerline	LS	LS	LS	\$ _____
622.1000	Roadway Lighting System	LS	LS	LS	\$ _____
623.0500	Traffic Signal System	LS	LS	LS	\$ _____
629.0500	Double 4-Inch Pavement Striping (Thermoplastic Hot Spray)	LS	LS	LS	\$ _____
629.1000	Double 4-Inch Pavement Striping (Thermoplastic Extrusion)	LS	LS	LS	\$ _____
629.1100	4-Inch Pavement Striping (Thermoplastic Extrusion)	LS	LS	LS	\$ _____
629.1200	8-Inch Pavement Striping (Thermoplastic Extrusion)	LS	LS	LS	\$ _____

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r6/13/2011

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PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
629.1300	12-Inch Pavement Striping (Thermoplastic Extrusion)	LS	LS	LS	\$ _____
629.1400	4-Inch Guide Lines (Thermoplastic Extrusion)	LS	LS	LS	\$ _____
629.2100	Type A Pavement Marker	LS	LS	LS	\$ _____
629.2200	Type C Pavement Marker	LS	LS	LS	\$ _____
629.2300	Type D Pavement Marker	LS	LS	LS	\$ _____
629.2400	Type H Pavement Marker	LS	LS	LS	\$ _____
629.8000	Pavement Arrow (Thermoplastic Extrusion)	LS	LS	LS	\$ _____
630.1000	Panel for Destination Sign	LS	LS	LS	\$ _____
630.2000	Type B Route Marker Assembly	LS	LS	LS	\$ _____
630.3000	Breakaway Steel Post and Foundation for Ground-Mounted Destination Sign	LS	LS	LS	\$ _____
631.1000	Regulatory Sign (10 Square Feet or Less)	LS	LS	LS	\$ _____
631.2000	Regulatory Sign (10 Square Feet or Less) with Post	LS	LS	LS	\$ _____
631.3000	Regulatory Sign (Greater than 10 Square Feet) with Post	LS	LS	LS	\$ _____
631.4000	Warning Sign (10 Square Feet or Less)	LS	LS	LS	\$ _____

PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
631.5000	Warning Sign (10 Square Feet or Less) with Post	LS	LS	LS	\$ _____
631.7000	Bike Route Sign with Supplementary Plate and Post	LS	LS	LS	\$ _____
631.8000	Hospital Sign with Supplementary Plate and Post	LS	LS	LS	\$ _____
631.9100	Construct New Contra Flow Sign Post Insert	LS	LS	LS	\$ _____
631.9200	Install New Contra Flow Sign Anchor Sleeve	LS	LS	LS	\$ _____
632.1100	Type II Object Marker	LS	LS	LS	\$ _____
632.1200	Reflector Marker (RM-3) with Post	LS	LS	LS	\$ _____
632.2000	Milepost Marker with Post (Bi-Directional)	LS	LS	LS	\$ _____
632.9000	Flexible Delineator Posts	LS	LS	LS	\$ _____
638.3000	Curb, Type 6	LS	LS	LS	\$ _____
638.9000	Reconstruct Concrete Gutter	LS	LS	LS	\$ _____
641.1000	Hydro-Mulch Seeding	LS	LS	LS	\$ _____

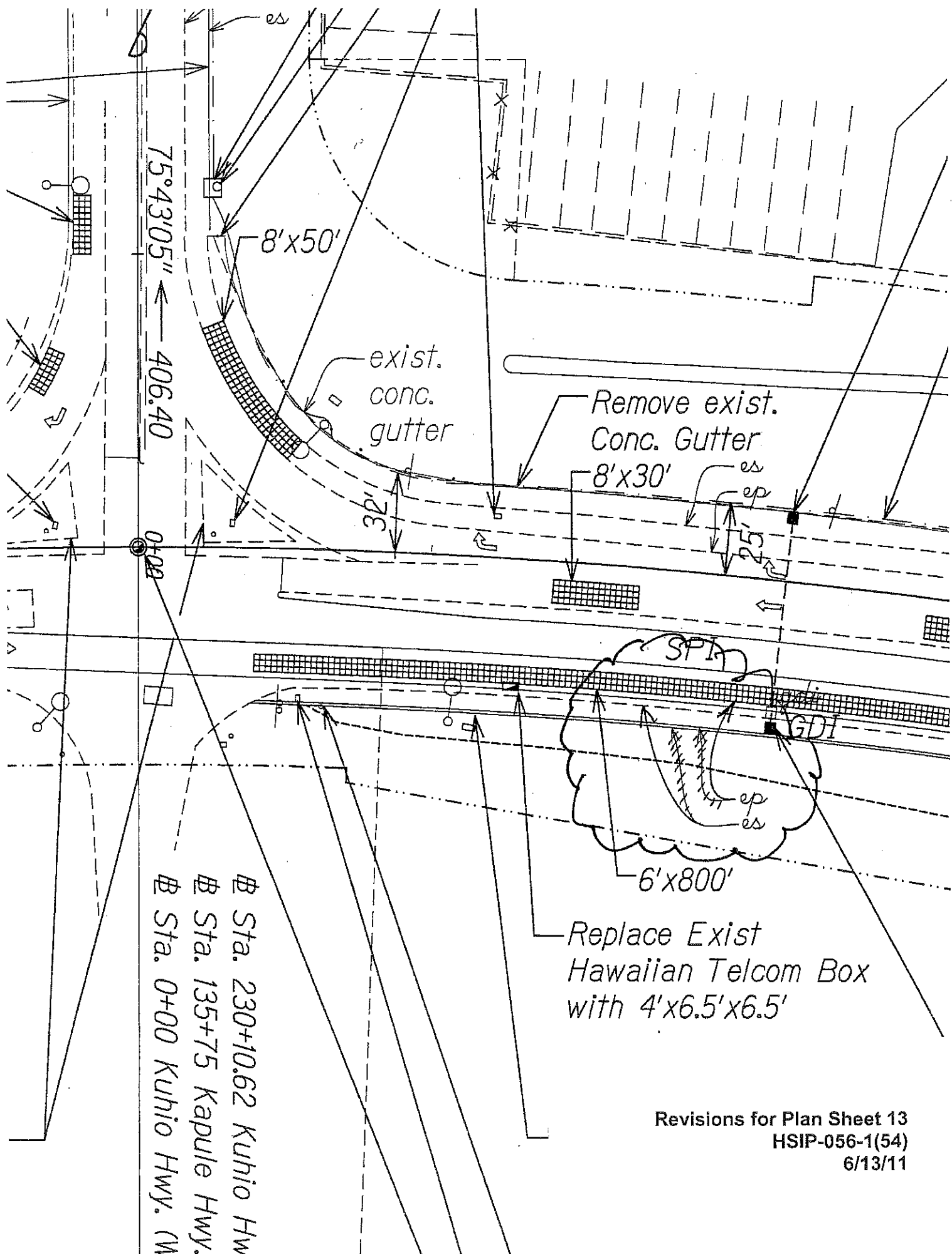
PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
643.1000	Maintenance of Existing Landscape Areas	FA	FA	FA	\$ 50,000.00
645.0100	Traffic Control	LS	LS	LS	\$ _____
645.0200	Additional Police Officers, Additional Traffic Control Devices, and Additional Advertisement	FA	FA	FA	\$ 150,000.00
648.1000	Field-Posted Drawings	LS	LS	LS	\$ _____
690.0000	Construct New Hawaiian Telcom Manhole	LS	LS	LS	\$ _____
699.1000	Mobilization (Not to Exceed 10% of the Sum of All Items Excluding Bid Price of this Item and Force Account Items)	LS	LS	LS	\$ _____

- a. Sum of All Items \$ _____
- 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) \$ _____
- c. Amount for Comparison of Bids (a + b) \$ _____

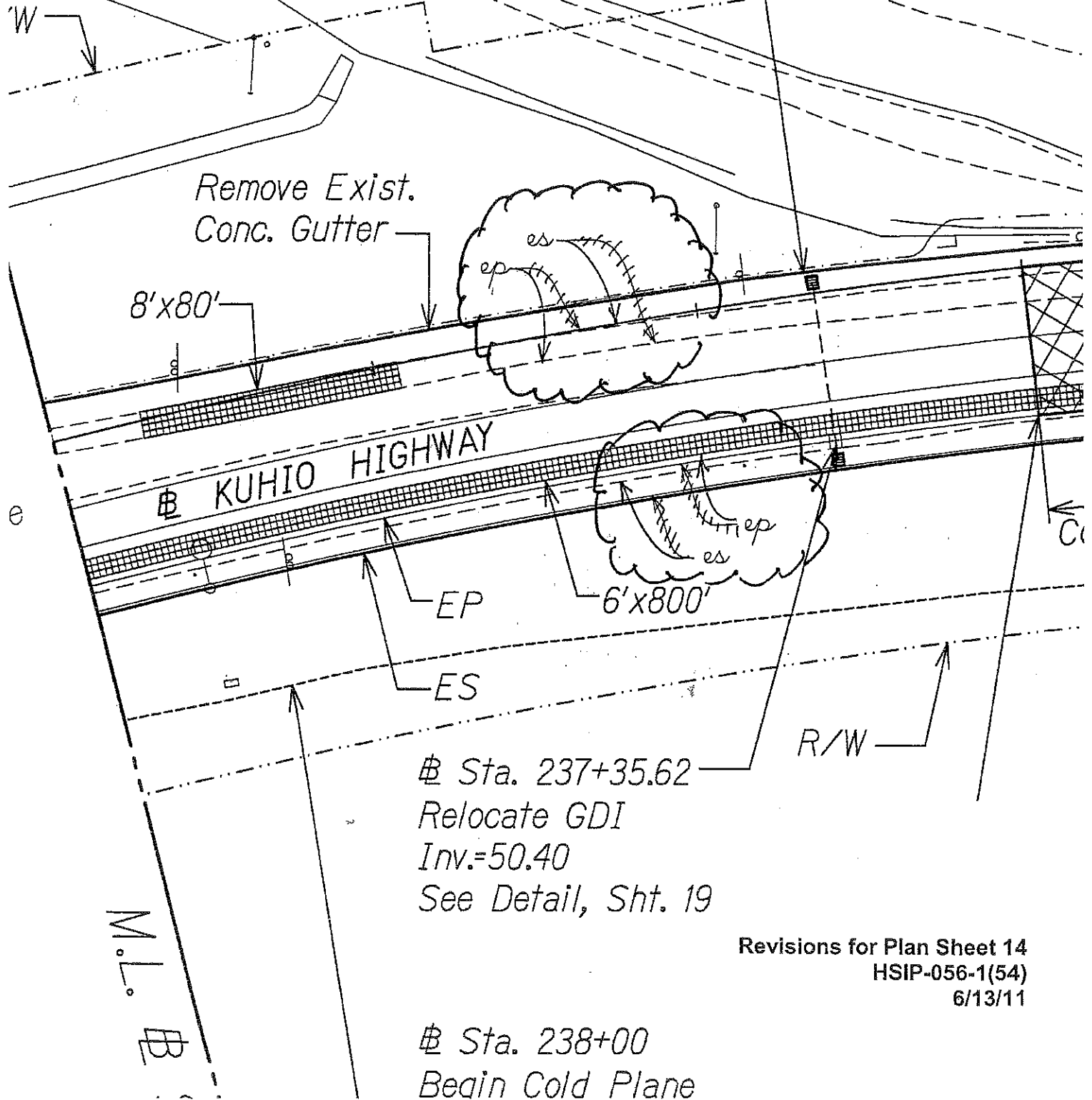
All bidders must fill in b and complete c

NOTE: Bidders must complete all unit prices and amounts. Failure to do so may be grounds for rejection of bid.



Revisions for Plan Sheet 13
HSIP-056-1(54)
6/13/11

Inv=39.00
See Detail, Sht. 18

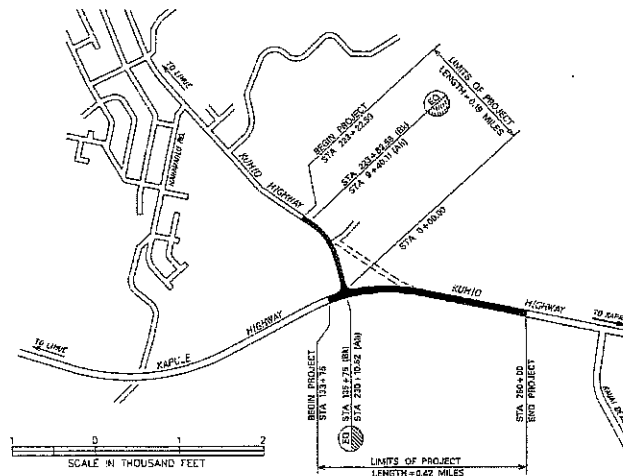


INDEX TO DRAWINGS	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	STANDARD PLANS SUMMARY
3-4	GENERAL NOTES AND LEGEND
5-6	WATER POLLUTION & EROSION CONTROL NOTES
7-11	TYPICAL SECTION AND DETAILS
12-14	ROADWAY PLANS
15-17	MISCELLANEOUS DETAILS
18-19	STORM DRAIN DETAILS
20	UTILITY TRENCH DETAILS
21	ELECTRIC NOTES
22	STREET LIGHT PLAN
23	STREET LIGHT DETAILS
24-25	REPLACE HAWAIIAN TELCOM BOX
26	CENTER LINE MILLED RUMBLE STRIP DETAIL
27	PAVEMENT MARKINGS LEGEND, DETAILS & NOTES
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31	SIGN DETAILS
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33	WORK ZONE SIGNING PLAN, NOTES AND DETAILS
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46	TRAFFIC SIGNAL NOTES & LEGEND
47	TRAFFIC SIGNAL PLAN
48	TRAFFIC SIGNAL DETAILS

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
HONOLULU, HAWAII

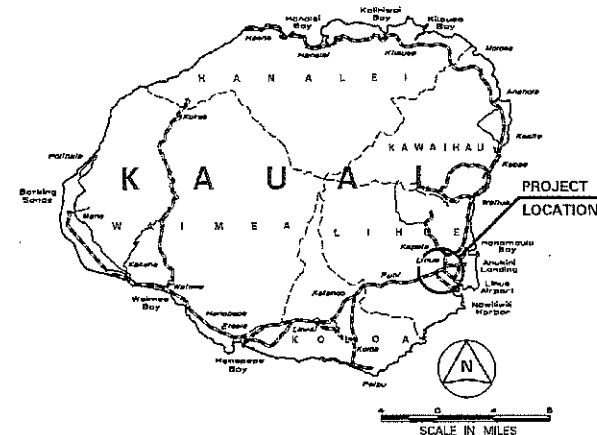
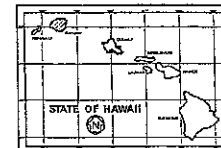
PLANS FOR
KUHIO HIGHWAY
INTERSECTION IMPROVEMENTS AT KAPULE HIGHWAY
FEDERAL AID PROJECT NO. HSIP-056-1(54)

DISTRICT OF LIHUE
ISLAND OF KAUAI



LAYOUT PLAN
LENGTH OF PROJECT: 0.01 MILES

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-056-1(54)	2010	ADD 1	48



FEDERAL AID INTERSTATE PROJECTS PREVIOUSLY CONSTRUCTED OR UNDER CONSTRUCTION




























KUHIO HWY MILE POST 2.51 TO MILE POST 3.02
KAPULE HWY MILE POST 3.45 TO MILE POST 3.48

DESIGN DESIGNATION

ADT (2010)	34,560
ADT (2030)	43,790
DHV	3,500
D	60/40
T	3.0 %
V	35 M.P.H.

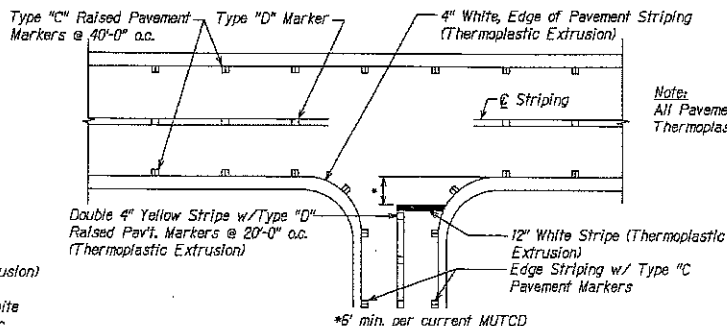
DEPARTMENT OF TRANSPORTATION STATE OF HAWAII	
APPROVED:	
DIR. OF TRANSPORTATION	DATE

LEGEND:

-  Type DB Blue Raised Pavement Marker
-  4 each Type A Raised Pavement Markers
-  Type C Raised Pavement Markers @ 40'-0" o.c.
-  4 each Type J Raised Pavement Markers
-  Type D Raised Pavement Markers @ 40'-0" o.c.
-  8" White Stripe with Type C Raised Pavement Markers @ 20'-0" o.c. (Thermoplastic Extrusion)
-  4" Double Solid Yellow with Type D Raised Pavement Markers @ 20'-0" o.c. (Thermoplastic Extrusion)
-  4" Double Solid Yellow Stripes with Type H Raised Pavement Markers @ 20'-0" o.c. (Thermoplastic Extrusion)
-  4" Yellow Edge Stripe with Type H Raised Pavement Markers @ 40'-0" o.c. (Thermoplastic Extrusion)
-  4" Double Solid White Stripes with Type C Raised Pavement Markers @ 20'-0" o.c. (Thermoplastic Extrusion)
-  Lane Change Restriction Marking
-  4 each Type A Raised Pavement Markers
-  Type C Raised Pavement Markers @ 20'-0" o.c.
-  4" White Stripe (Thermoplastic Extrusion)
-  4" or 8" White Edge Stripe with Type C Raised Pavement Markers @ 40'-0" o.c. (Thermoplastic Extrusion)
-  4" White Guide Lines (Thermoplastic Extrusion except for bus bays)
-  Transverse Median Marking (Thermoplastic Extrusion)
-  Transverse Shoulder Marking (Thermoplastic Extrusion)
-  Channelizing Island or Deceleration Lane Gore (Thermoplastic Extrusion)
-  Crosswalk and Stop Line. All Stop Lines shall be 10'-0" from Crosswalk unless otherwise noted. The circled number indicates the number of lanes for payment (Thermoplastic Extrusion)
-  Pavement Arrow (Thermoplastic Extrusion)
-  Pavement Word (Thermoplastic Extrusion)
-  4 Each Type J Raised Pavement Markers
-  Type D Raised Pavement Markers @ 40'-0" o.c.
-  Type H Raised Pavement Markers (Reflective Surface facing no-passing direction)
-  4" Single Solid Yellow Stripe (Thermoplastic Extrusion)
-  Extension of Edge Line, 4" Wide x 2'-0" Long White Stripe @ 10'-0" o.c. w/Type C Markers @ 40'-0" o.c. (Thermoplastic Extrusion)

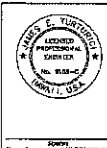
NOTES:

1. Layout of pavement markings and striping shall be done by the Contractor and approved by the Engineer prior to any installation work.
2. Existing pavement markings not incorporated in the final traffic pattern shall be removed as directed by the Engineer. Costs shall be incidental to the various pavement marking items.
3. Raised pavement markers shall not be installed within crosswalks.
4. Final locations of all Stop Lines shall be approved by the Engineer prior to installation.
5. Existing signs not shown on these plans shall remain as posted unless otherwise directed by the Engineer. Removal and disposal of existing signs and/or posts as designated on these plans shall be incidental to the various signing items.
6. Final locations of all stop lines shall be accepted by the Engineer prior to installation.
7. All pavement striping shall be as noted on the legend or plans.
8. All preformed pavement marking tapes over existing pavement shall be applied with a primer as recommended by the tape manufacturer and as accepted by the Engineer. The primer shall be allowed to dry to the tacky stage prior to tape application.
9. The Contractor shall erect at the beginning of the project and at the end of the project advance construction warning signs placed as indicated on the plans or as directed by the Engineer. The signs shall be kept in place for the duration of the project and shall be maintained by the Contractor. These signs shall be placed in addition to the required traffic control signs called for in Section 645 - Work Zone Traffic Control. The advance construction warning signs shall be new and become the property of the Contractor.
10. Existing signs that are to be replaced shall not be removed until new signs are installed as replacements, or the messages are no longer necessary.
11. Backing for all new regulatory and warning signs shall not be spliced.
12. All sign panels shall conform to Section 630 of Special Provisions and the latest editions and amendments of the following FHWA publications:
 - a. "Manual on Uniform Traffic Control Devices for Streets and Highways" (MUTCD)
 - b. "Standard Highway Signs"
 - c. "Standard Alphabets for Highway Signs"
13. State Route Marker Symbols, borders, messages, arrows, symbols and shields shall conform to details as shown on the plans and as specified in the MUTCD.
14. All new and relocated signs and markers installed on pipe posts, light standard or the expressway sign post are to be mounted with band brackets and steel braces.
15. Removal of existing delineators and posts, as directed by the Engineer or shown on the plans, shall be considered incidental to the various signing items.
16. Removal and reinstallation of existing street name signs on regulatory and warning sign post shall not be paid for separately but shall be considered incidental to the various signing items.
17. Size and number of sign posts shall be determined by Standard Plans TE-02 and TE-03. Flanged channel sign posts shall be used only when windload charts shown on Standard Plan TE-03 are exceeded.



TYPICAL PAVEMENT MARKING LAYOUT
Not to Scale

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-056-H54	2010	ADD 27	48



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKINGS LEGEND, DETAILS & NOTES

KUHO HIGHWAY
Intersection Improvements
at Kapule Highway
Federal Aid Project No. HSIP-056-H54

Scale: Not to Scale Date: August 2010

SHEET No. 1 OF 1 SHEETS

MINUTES OF THE PRE-BID MEETING

PROJECT: Kuhio Highway Intersection Improvements
at Kapule Highway
District of Lihue, Kauai

PROJECT NO. HSIP-056-1(54)

LOCATION: 1720 Haleukana Street
Lihue, Kauai, Hawaii

DATE & TIME: June 7, 2011 at 9:00 A.M.

IN ATTENDANCE:

Stanford Iwamoto	HDOT – HWY-K
Vicente Vargas	HDOT – HWY-K
Jim Turturici	Kodani & Assoc.
Delwyne Lau	Hawaiian Dredging Construction Co.
Scott Suga	Earthworks Pacific
Leif Sjostrand	Goodfellow Bros.
Kieth Suga	Goodfellow Bros.
Paul Crivello	Grace Pacific
Julie Wong	James W. Glover

The meeting started at 9:00 A.M. Project Manager Stanford Iwamoto began the meeting with introducing the participants from HDOT and a brief overview of the background and scope of work.

The following project changes were noted:

#1: The specified asphalt pavement will be HMA Pavement, Mix No. IV instead of Superpave. Standard specification section 401-Hot Mix Asphalt (HMA) Pavement shall be used.

#2: The placement of pavement markers will be revised requiring additional markers. Specifically, the spacing of all markers will be halved and the markers on the double yellow lines will be placed in pairs, one on each side of the double yellow line instead of one in the center.

#3: The Title Sheet will be revised.

The following questions were received by HDOT prior to the meeting:

Question # 1: Plan Sheet 8, road widening sections (Sta 238+65 to Sta 240+44) shows 2.5" Superpave (left side) and 4.5" Superpave (right side). Please provide detail, grades, or limits between the 5" superpave (left) and 7" superpave (right).

Response: The longitudinal limits for this section are the limits noted in the typical detail and are shown on plan sheet 13. The grades are as noted in the typical section,

specifically, the mauka side to be 2% and the makai side shall to match the slope of the adjacent north bound lane. Lateral limit of the 2.5" superpave is the edge of the existing concrete gutter. Lateral limit of the 4.5" superpave is the saw cut at the white edge of lane line.

Question # 2: Plan Sheet 26 calls for the entire surface of the milled rumble strips to be sealed. Can SS-1h be used to seal these rumble strips?

Response: Yes.

Question # 3: What is Bid Item 202.1000- Removal of AC Pavement used for?

Response: Removal of asphalt from the existing paved northbound shoulder and removal of asphalt for AC pavement reconstruction.

The following questions were raised at the meeting:

Question # 4: Can Hot Mix Asphalt Base Course be used instead of Hot Mix Glassphalt Base Course?

Response: Yes.

Question # 5: Can a vibratory roller with a notch be used to construct the typical pavement edge detail, resulting in a notch at the ep?

Response: No. The edge needs to be constructed as shown on the detail with no notch.

With no further questions or comments, the pre-bid meeting was adjourned at 9:45 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 NO.: HSIP-056-1(54) - KUHIO HIGHWAY INTERSECTION IMPROVEMENTS AT KAPULE HIGHWAY

DATE: JUNE 7, 2011

TIME: 9:00 AM

LOCATION: 1720 HALEUKANA STREET, LIHUE, KAUAI, HAWAII 96766

CALLED BY: STANFORD IWAMOTO

PLEASE PRINT

PARTICIPANT	COMPANY / ORGANIZATION	ADDRESS (Including City and Zip Code)	EMAIL (Print legibly)	PHONE/FAX NUMBERS
1 VICENTE VARGAS	HDOT	1720 HALEUKANA ST. LIHUE	VICENTE.P.VARGAS@HAWAII.GOV	241-3015 241-3015
2 Delwayne Lau	HDCC		dlau@hdcc.com	735-3211
3 Scott Suga	Earthworks Pacific	4180 Hoola St Lihue	bryan@earthworkspacific.com	846-8808
4 LEIF SJOSTRAND	GOODFELLOW BROS., INC.	PO Box 220, KIHEI, HI 96753	leifs@goodfellowbros.com	808 879.672 800-879-5205 p
5 Keith Suga	" "	" "	keiths@goodfellowbros.com	"
6 PAUL CRIVELLO	GRACE PACIFIC	P.O. Box 78 Hon, HI 96810	pcrivello@gracepacificcorp.com	375-5417
7 Julie Wong	Jas. W. Glover, Ltd.	P.O. Box 579 Honolulu, HI 96809	juliew@gloverLtd.com	591-8977
8 Jim Turturici	Kodani L.A.C.O.	3126 AKANA ST Lihue 96766	Jim@Kodani.com	245-9591
9 STANFORD IWAMOTO	HWY-K	1720 HALEUKANA ST.	stanford.m.iwamoto@Hawaii.gov	241-3015
10				
11				
12				