STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ADDENDUM NO. 1
for
KEAAU-PAHOA ROAD INTERSECTION IMPROVEMENTS
AT AINALOA BOULEVARD
DISTRICT OF PUNA
ISLAND OF HAWAII
FEDERAL AID PROJECT NO. STP-0130(27)

This Addendum shall make the following amendments to the Bid Documents:

A. SPECIFICATIONS

1. Delete in its entirety the Table of Contents dated 7/19/19 and replace it with the attached Table of Contents dated 12/19/19.

2. Delete in its entirety Specification Section 401 dated 7/17/19 and replace it with the attached Section 401 dated 12/19/19.

3. Delete in its entirety Specification Section 603 dated 6/6/19 and replace it with the attached Section 603 dated 12/16/19.

4. Delete in its entirety Specification Section 622 dated 6/5/19 and replace it with the attached Section 622 dated 12/16/19.

5. Delete in its entirety Specification Section 638 dated 7/18/19 and replace it with the attached Section 638 dated 12/16/19.

6. The attached Specification Section 706 dated 12/20/19 shall be incorporated and made part of the Specifications.

B. PROPOSAL

1. Delete in its entirety Proposal Schedule pages P-6 to P-13 dated 12/11/19 and replace it with the attached Proposal Schedule pages P-6 to P-13 dated 12/20/19.

C. PLANS

1. Replace Plan Sheet Nos. 1, 8, 12, 13, 14, 15, 16, 17, 18, 19, 20, 22, 23, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 39, 40, 42, 43, 44, 45, 46, 47, 48, 49 and 50 with the attached Plan Sheet Nos. ADD. 1, 8, ADD. 12, ADD. 13, ADD. 14, ADD. 15, ADD. 16, ADD. 17, ADD. 18,

ADD. 19, ADD. 20, ADD. 22, ADD. 23, ADD. 25, ADD. 26, ADD. 27, ADD. 28, ADD. 29, ADD. 30, ADD. 31, ADD. 32, ADD. 33, ADD. 34, ADD. 35, ADD. 39, ADD. 40, ADD. 42, ADD. 43, ADD. 44, ADD. 45, ADD. 46, ADD. 47, ADD. 48, ADD. 49 and ADD. 50.

2. The attached Plan sheet Nos. ADD. 34S-1, ADD. 44S-1, and ADD. 44S-2 shall be incorporated and made part of the Plans.

The following is provided for information:

D. PRE-BID MEETING MINUTES

1. Attached are the December 18, 2019 Pre-bid Meeting Minutes and Signed 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.

JADE T. BUTAY
Director of Transportation

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755	Pavement Marking Materials	755-1a

END OF TABLE OF CONTENTS

SECTION 401 – HOT MIX ASPHALT (HMA) PAVEMENT

Make the following amendments to said Sections:

(I) Amend **Section 401.02 Materials**, by adding the following after line 12:

"Asphalt Cement for Surface Course (PG 64E-22) 702.01

Warm Mix Asphalt Additive 702.06"

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

"The manufacture of HMA may include warm mix asphalt (WMA) processes in accordance with these specifications. WMA processes include combinations of organic additives, chemical additives, and foaming."

(III) Amend **Section 401.02(A) General**, by adding the following paragraph after line 28:

"Performance Graded (PG) binder. Performance graded binder shall conform to Performance Graded Asphalt Binder Specifications, AASHTO M320 and meet the following additional requirement:

(a) AASHTO T 315 Determining the Rheological Properties of Asphalt Binder Using a Dynamic Shear Rheometer (DSR). Phaseangle on original binder shall be less than 77 degrees.

Submit, before usage, a Certificate of Compliance, accompanied by substantiating test tada, showing conformance with Performance Graded Asphalt Binder Specification. The Engineer will not accept the PG Binder without adequate documentation.

Grade PG binder using AASHTO MP 19 Performance Graded Asphalt Binder Using Multiple Stress Creep Recovery (MSCR) Test. Submit MSCR grading report accompanied by substantiating test data

PERFORMANCE GRADED BINDER FOR SPECIFIC MIXES	
MIX	**BINDER***
Asphalt Cement For Surface Course	PG 64E-22
* Neat asphalt with elastomer polymer modification shall be used to achieve the specified performance grading.	

"

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

"In surface and binder courses, aggregate for HMA may include RAP quantities up to 20 percent of total mix weight."

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

"The Contractor may use warm mix asphalt (WMA) processes in the production of HMA. The Contractor shall submit to the Engineer for approval, the proposed process and how it will be used in the manufacture of HMA. The process submittal shall include the temperature range of the WMA."

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

"**(h)** Equipped with a mean of preventing the segregation of the coarse aggregate particles from the remainder of the bituminous plant mix when that mix is carried from the paver hopper back to the paver augers. The means and methods used shall be approved by the paver manufacturer and may consist of chain curtains, deflector plates, or other such devices and any combination of these.

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

(1) Blaw-Knox bituminous pavers shall be equipped with the Blaw-Knox Materials Management Kit (MMK).

(2) Cedarapids bituminous pavers shall be those that were manufactured in 1989 or later.

(3) Barber-Green/Caterpillar bituminous pavers shall be equipped with deflector plates as identified in the December 2000 Service Magazine entitled "New Asphalt Deflector Kit {6630, 6631, 6640}".

Prior to the start of using the paver for placing plant mix, the Contractor shall submit for approval a full description in writing of the means and methodologies that will be used to prevent bituminous paver segregation. Use of

the paver shall not commence prior to receiving approval from the Engineer.

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

(VII) Amend **Section 401.03(E) Spreading and Finishing**, by revising lines 455 to 461 to read as follows:

"At the end of each workday, HMA pavement that is open to traffic shall not extend beyond an adjacent panel of new lane pavement by more than distance normally covered in one workday. At end of each workweek, complete full width of pavement, including shoulders, to same elevation with no drop-offs. Construct transition taper along lane line at longitudinal pavement drop-off. Maximum drop-off height shall be 2.0 inches. Remove and dispose of transition taper before placing adjoining panel."

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

"**(1) HMA Pavement Courses One and a Half Inches Thick Or Greater.** Where HMA pavement compacted thickness indicated in the contract documents is 1-1/2 inches or greater, compact to not less than 93.0 percent nor greater than 97.0 percent of the maximum specific gravity determined in accordance with AASHTO T 209, modified by deletion of Supplemental Procedure for Mixtures Containing Porous Aggregate."

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

"**(3) HMA Pavement Courses One and a Half Inches Thick or Greater In Special Areas Not Designated For Vehicular Traffic.** For areas such as bikeways that are not part of roadway and other areas not subjected to vehicular traffic, compact to not less that 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."

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

"**401.04 Measurement.**

(A) The Engineer will measure asphalt concrete pavement per ton in accordance with the contract documents.

(B) The Engineer will measure leveling course per ton in accordance with the contract documents."

(XI) 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 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 each of the following pay items when included in the proposal schedule:

Pay Item	**Pay Unit**
(A) HMA Pavement, Mix No. IV	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.	
(B) PMA Pavement, Mix No. IV, Using PG 64E-22 Asphalt Cement	Ton

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

The Engineer will pay for adjusting existing frames and covers and valve boxes in accordance with and under Section 604 – Manholes, Inlets and Catch Basins and Section 626 – Manholes and Valve Boxes for Water and Sewer Systems.

The Engineer may, in lieu of requiring removal and replacement, use the sliding scale factor to accept HMA pavements compacted below 93.0 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
93.0 - 97.0	100
90.0 - <93.0	80
<90.0	Removal

"

END OF SECTION 401

SECTION 603 – CULVERTS AND STORM DRAINS

Make the following amendments to said Section:

(I) Amend **603.02 - Materials** by adding the following after line 28:

"Ductile Iron Pipe 707.01"

(II) Amend **603.03(C)(1) - Culverts** by revising lines 106 to 108 to read as follows:

"Spacing between multi-barrel culverts shall be a minimum of 18 inches or 0.5 the culvert width, whichever is greater. The minimum spacing shall be 1 foot when placing controlled low strength material (CLSM) as backfill. Anchor the culverts in such a manner that the horizontal and vertical alignment of the culverts does not change."

(III) Amend **603.04 – Measurement** by revising lines 282 to 292 to read as follows:

"**603.04 Measurement.**

(A) The Engineer will measure bed course material for culverts per cubic yard in accordance with contract documents.

(B) The Engineer will measure reinforced concrete pipe per linear foot in accordance with contract documents.

(C) The Engineer will measure ductile iron pipe per linear foot in accordance with contract documents."

(IV) Amend **603.05 – Payment** by revising lines 294 to 349 to read as follows:

"**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 contract documents.

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

Pay Item	**Pay Unit**
Bed Course Material for Culvert	Cubic Yard
18- Inch Reinforced Concrete Pipe, Class III	Linear Foot

48	4-Inch Ductile Iron Pipe, Class 52	Linear Foot"
49		
50	**END OF SECTION 603**	

SECTION 622 – ROADWAY AND SIGN LIGHTING SYSTEM

Make the following amendment to said Section:

(I) Amend **Section 622.03 - Construction** by replacing lines 80 to 83 to read:

"622.03 Construction. Perform work in accordance with requirements of the contract documents and the following: NEC; General Order Nos. 6 and 10 of the Hawaii Public Utilities Commission; ASTM; ANSI; local utility company rules; the County of Hawaii Department of Public Works Traffic Division Street Light Standards; and any local ordinances that apply.

(II) Amend **Section 622.04 - Measurement** by replacing lines 402 to 403 to read:

"**622.04 Measurement.** The Engineer will not measure roadway lighting systems, sign illumination systems, lighting systems on structures, modifying systems, temporary systems, or removing systems when contracted on a lump sum basis."

(III) Amend **Section 622.05 – Payment** by replacing lines 405 to 418 to read:

"**622.05 Payment.** The Engineer will pay for the roadway lighting systems, sign illumination systems, lighting systems on structures, modifying systems, temporary systems, or removing systems on a lump sum basis if specified in the proposal.

The price shall be full compensation for and for furnishing and installing, modifying or removing the systems, excavating and backfilling, restoring sidewalks, pavements and appurtenances damaged or destroyed during construction, salvaging existing materials; making required tests, furnishing labors, materials, equipment, tools, and incidentals necessary to complete the work.

The Engineer will consider full compensation for additional materials and labor not shown in the contract that are necessary to complete the installation of the various systems incidental to the various contract items. The Engineer will not allow additional compensation.

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

Pay Item	**Pay Unit**
Roadway Lighting System	Lump Sum"

END OF SECTION 622

SECTION 638 – PORTLAND CEMENT CONCRETE CURB AND GUTTER

Make the following amendments to said Section:

(I) Amend **638.01 – Description** by inserting the following after line 13:

"(D) Cast-In-Place Concrete Gradewall"

(II) Amend **638.04 – Measurement** by revising lines 130 to 131 to read as follows:

"**638.04 Measurement.** The Engineer will measure curb and/or gutter, both new and reset, by the linear foot. The Engineer will measure along the front face of the curb at the finished grade elevation. If the Engineer measures gutter separately, the Engineer will measure gutter along the front face of the gutter. The Engineer will not make deduction in gutter length for drainage appurtenances installed such as catch basins and drop inlets.

The Engineer will not measure curb and/or gutter both new and reset when contracted on a lump sum basis.

The Engineer will measure curb and/or gutter transition for payment as follows:

From	To	Measurement for Payment
Cast-in-place Curb or Precast Curb	Cast-in-place Curb and Gutter	Cast-in-place Curb and Gutter
Cast-in-place Curb and Gutter	Precast Curb and Cast-in-place Gutter	Cast-in-place Curb and Gutter
Cast-in-place Curb and Gutter Mountable	Cast-in-place Curb and Gutter Mountable	Cast-in-place Curb and Gutter 1/2 of Transition to each type

The Engineer will measure precast concrete drop curb and driveway curb or cast-in-place integral driveway curb and gutter under the adjacent normal curb and/or gutter."

(III) Amend **638.05 – Payment** by revising lines 133 to 148 to read as follows:

"**638.05 Payment.** The Engineer will pay for the accepted quantities of curb and/or gutter at the contract unit price per linear foot for each type of curb and/or gutter specified.

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

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

Pay Item	**Pay Unit**
Curb, Type 2D	Linear Foot
Curb and Gutter, Mountable 3-inch	Linear Foot
Cast-In-Place Concrete Gradewall (24-inch High)	Linear Foot"

END OF SECTION 638

SECTION 706 - CONCRETE, CLAY AND PLASTIC PIPE

Make the following amendments to said Section:

(l) Amend **Subsection 706.02(A) RCP for Drainage System** from lines 8 to 28 to read as follows:

"**(A) RCP for Drainage System.** RCP shall conform to AASHTO Load and Resistance Factor Design (LRFD) specifications, and AASHTO M 170 for specified diameters and strength class, and requirements below:

(1) Acceptance shall be based on:

(a) Plant Certification from the American Concrete Pipe Association (ACPA), National Precast Concrete Association (NPCA), or Precast/Prestressed Concrete Institute (PCI).

(b) Certified Plant Load Bearing Test results.

(c) Certified Material Test results.

(d) Inspection for visual defects and imperfections of the manufactured pipe.

(2) Using three-edge-bearing test method, pipe shall be loaded until 0.01-inch crack occurs. Pipe manufacturer shall furnish facilities and provide personnel to perform test according to AASHTO T 280 (ASTM C 497). Each section of pipe, in addition to required pipe markings, shall include project identification and inspection lot designation.

(3) Precast reinforced concrete pipe end sections shall conform to the requirements above."

END OF SECTION 706

PROPOSAL SCHEDULE

ITEM NO.	ITEM	QTY	UNIT	UNIT PRICE	AMOUNT
201.0100	Clearing and Grubbing/Demolition Including Removal of Large Trees and Vegetation	2,157	S.Y.	$ _____	$ _____
202.0100	Removal of Existing Pavement	7,689	S.Y.	$ _____	$ _____
202.0200	Removal of Existing Grated Inlet Drywell (8' Depth)	4	EA	$ _____	$ _____
202.0300	Removal of Existing 6-inch PVC Drainline	72	L.F.	$ _____	$ _____
202.0400	Removal of Existing Sign and Posts	9	EA	$ _____	$ _____
202.0500	Removal of Existing Centerline Monuments	2	EA	$ _____	$ _____
203.0100	Roadway Excavation	1,736	C.Y.	$ _____	$ _____
204.0100	Trench Excavation for Water Lines	18	C.Y.	$ _____	$ _____
204.0200	Trench Backfill for Water Lines	18	C.Y.	$ _____	$ _____
206.0100	Excavation for Drainage Facilities	642	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.	$ 20,000.00
301.0100	Hot Mix Asphalt Base Course (Driveways)	25	TON	$ _____	$ _____

PROPOSAL SCHEDULE

ITEM NO.	ITEM	QTY	UNIT	UNIT PRICE	AMOUNT
304.0100	Aggregate Base	1,321	C.Y.	$ _____	$ _____
304.0200	Aggregate Base (Stamped Textured Cement Concrete)	148	C.Y.	$ _____	$ _____
305.0100	Aggregate Subbase (Bus Pad)	24	C.Y.	$ _____	$ _____
401.0100	HMA Pavement, Mix No. IV	1,637	TON	$ _____	$ _____
401.0200	PMA Pavement, Mix No. IV, Using PG 64E-22 Asphalt Cement	958	TON	$ _____	$ _____
410.0100	4-inch Stamped Textured Cement Concrete (Splitter Islands)	694	S.Y.	$ _____	$ _____
410.0200	8-inch Stamped Textured Cement Concrete (Truck Apron)	191	S.Y.	$ _____	$ _____
411.0100	11-Inch Portland Cement Concrete Pavement (Bus Pad)	41	C.Y.	$ _____	$ _____
411.0200	4-Inch Portland Cement Concrete Pavement (Center Island)	6	C.Y.	$ _____	$ _____
415.0100	Cold Planing	3,550	S.Y.	$ _____	$ _____
603.0100	Bed Course Material for Culvert	22	C.Y.	$ _____	$ _____
603.0200	18-inch Reinforced Concrete Pipe, Class III	106	L.F.	$ _____	$ _____
603.0300	4-Inch Ductile Iron Pipe, Class 52	29	L.F.	$ _____	$ _____

PROPOSAL SCHEDULE

ITEM NO.	ITEM	QTY	UNIT	UNIT PRICE	AMOUNT
604.0100	Modified 1211214P Grate Shallow Drywell	9	EA	$ _____	$ _____
604.0200	Modified 61614P Grate Shallow Drywell	1	EA	$ _____	$ _____
604.0300	Modified 1211214P Grated Drop Inlet, 5 feet to 10 feet	3	EA	$ _____	$ _____
613.0100	Adjusting Centerline and Reference Survey Monument	1	EA	$ _____	$ _____
613.0200	New Centerline and Reference Survey Monument	3	EA	$ _____	$ _____
622.0100	Roadway Lighting System	L.S.	L.S.	L.S.	$ _____
624.0100	Relocate Fire Hydrant	2	EA	$ _____	$ _____
626.0100	Adjusting Water Manhole Frame and Cover	5	EA	$ _____	$ _____
626.0200	Adjusting Water Standard Valve Box	7	EA	$ _____	$ _____
626.0300	Adjusting Water Standard Meter Box	2	EA	$ _____	$ _____
627.0100	Bolt Down Curb with Delineators	997	L.F.	$ _____	$ _____
629.0100	Single 4-Inch White Pavement Striping (Thermoplastic)	2,598	L.F.	$ _____	$ _____
629.0200	Single 8-Inch White Pavement Striping (Thermoplastic)	1,270	L.F.	$ _____	$ _____

PROPOSAL SCHEDULE

ITEM NO.	ITEM	QTY	UNIT	UNIT PRICE	AMOUNT
629.0300	Single 8-Inch Yellow Pavement Striping (Thermoplastic)	1,338	L.F.	$ _____	$ _____
629.0400	Single 12-Inch Yellow Pavement Striping (Thermoplastic)	105	L.F.	$ _____	$ _____
629.0500	Single 24-Inch White Crosswalk Marking (Thermoplastic)	180	L.F.	$ _____	$ _____
629.0600	Double 4-Inch Yellow Pavement Striping (Thermoplastic)	1,596	L.F.	$ _____	$ _____
629.0700	Dotted 16-Inch White Pavement Striping (Thermoplastic)	91	L.F.	$ _____	$ _____
629.0800	Dotted 4-Inch White Pavement Striping (Thermoplastic)	200	L.F.	$ _____	$ _____
629.0900	Type C Pavement Marker	94	EA	$ _____	$ _____
629.1000	Type D Pavement Marker	40	EA	$ _____	$ _____
629.1100	Type F Pavement Marker	2	EA	$ _____	$ _____
629.1200	Type H Pavement Marker	139	EA	$ _____	$ _____
629.1300	Double Pavement Arrow (Thermoplastic)	3	EA	$ _____	$ _____
629.1400	Pavement Word (Thermoplastic)	4	EA	$ _____	$ _____
629.1500	White Yield Line Marking	44	LF	$ _____	$ _____

PROPOSAL SCHEDULE

ITEM NO.	ITEM	QTY	UNIT	UNIT PRICE	AMOUNT
631.0100	Regulatory Sign (10 Sq. Feet or less)	15	EA	$ _____	$ _____
631.0200	Warning Sign (10 Sq. Feet or less)	17	EA	$ _____	$ _____
631.0300	Destination Sign (10 Sq. Feet or less)	1	EA	$ _____	$ _____
631.0400	Destination Sign (10 Sq. Feet or more)	3	EA	$ _____	$ _____
631.0500	Milepost Sign with Post (Bi-Directional)	1	EA	$ _____	$ _____
632.0100	Type II Object Marker	8	EA	$ _____	$ _____
632.0200	Reflector Marker RM-3	32	EA	$ _____	$ _____
638.0100	Curb, Type 2D	1,237	L.F.	$ _____	$ _____
638.0200	Curb and Gutter, Mountable 3-inch	183	L.F.	$ _____	$ _____
638.0300	Cast-In-Place Concrete Gradewall (24-Inch High)	34	L.F.	$ _____	$ _____
639.0100	Curb, Type 6	287	L.F.	$ _____	$ _____
641.0100	Hydro-Mulch Seeding	L.S.	L.S.	L.S.	$ _____
645.0100	Traffic Control	L.S.	L.S.	L.S.	$ _____

PROPOSAL SCHEDULE

ITEM NO.	ITEM	QTY	UNIT	UNIT PRICE	AMOUNT
645.0200	Additional Police Officers and/or Additional Traffic Control Devices, And Advertisement	F.A.	F.A.	F.A.	$ 75,000.00
648.0100	Field-Posted Drawings	L.S.	L.S.	L.S.	$ _____
696.0100	Project Site Laboratory Trailer (Not to Exceed $22,000)	L.S.	L.S.	L.S.	$ _____
696.0200	Maintenance of Trailers	F.A.	F.A.	F.A.	$ 10,000.00
671.0100	Protection of Endangered Species	F.A.	F.A.	F.A.	$ 10,000.00
699.0100	Mobilization (Not to exceed 6 percent of the sum of all items excluding bid price of this item)	L.S.	L.S.	L.S.	$ _____
	Total Sum for Comparison of Bids				$ _____

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

KEAAU-PAHOA ROAD INTERSECTION IMPROVEMENTS
AT AINALOA BOULEVARD
FEDERAL AID PROJECT NO. STP-0130(27)

PRE-BID MEETING MINUTES
December 18, 2019
9:00 a.m.

A. INTRODUCTIONS

Julann Sonomura opened the meeting and introduced herself as the HDOT project manager and all attendees introduced themselves.

B. SIGN-IN SHEET (See attached sign in sheet)

C. PROJECT DESCRIPTION & SCOPE OF WORK

a. The project includes installation of a roundabout at Ainaloa Boulevard, which also includes bus pullouts, center and splitter islands, asphalt shoulders with delineators and street lights.

b. Contract time is 175-working days from the issue of the Start Work Date.

D. BID OPENING

a. Bids shall be publicly opened and read on January 9, 2020 at 2:00 p.m. at the Office of the District Engineer

E. DISADVANTAGED BUSINESS ENTERPRISE REQUIREMENTS

a. DBE Project Goal is 6.5%

b. Proposal Sheets P-5 and P-6 *supporting documents[sic]* are required to be submitted to the Acting District Engineer, Mr. Harry Takiue, in a separate, sealed envelope no later than 5-calendar days after bid opening. Failure to provide completed forms may be cause for rejection of the bid.

Refer to clarification in paragraph H.e.1 below.

F. AWARD OF CONTRACT

a. The award of contract, if it be awarded, will be made within 60 calendar days after the opening of bids.

G. NOTICE TO PROCEED

a. Notice to Proceed (NTP) will be issued to the Contractor not more than 30 days after the contract certification date, on or about March 2, 2020.

H. QUESTIONS DURING BID

a. Submit all Requests for Information (RFI) to Acting District Engineer/Project Manager, Harry Takiue in writing (email is preferred) by 2:00 p.m. on December 20, 2019.

b. All questions raised during this Pre-Bid Meeting shall be submitted in writing on the forms provided.

c. All responses to RFI's will be addressed in the Addendums.

d. 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.

e. Discussion of written Questions

1. Shouldn't P-5 and P-6 be submitted with the bid documents? *[clarified]*

   P-5 and P-6 are submitted with the bid documents, however, the 5-calendar day period as referenced in the DBE Requirements section of the specifications shall apply:

   > *Per Section V.C., "Confirmation by DBE" forms signed by each DBE listed in the proposal shall be submitted to the Project Manager listed in the proposal five (5) days after bid opening.*
   >
   > *Per Section V.D. The dollar amount of each subcontract (both DBE and non DBE firms) for all subcontractors, manufacturers and suppliers listed in the proposal shall be submitted within five (5) calendar days of bid opening.*

   Dollar amounts are required to compute if DBE Goals are met.

   Reference the DBE Requirements section of the specifications for complete DBE requirements and procedures.

2. In the proposal schedule, line item 624.0100 notes a quantity of 2 each but also says L.S., please clarify if item is unit price or lump sum.

   Proposal schedule will be corrected in the addendum.

3. Will traffic control plans be provided?

   Traffic control plans will not be provided to allow the contractor flexibility in their means and methods. Contractor is allowed to utilize the state ROW available. Contractor's traffic control should comply with Section 645 of the Specifications as well as with MUTCD requirements. Through traffic must be maintained on HWY 130 at all times along with access to Ainaloa Boulevard.

4. What is the volume of traffic?

   The District is currently reviewing its numbers and this information will be provided in the addendum.

5. Who should questions be submitted to since Item E.a. above states to submit to Harry Takiue but RFI form provided lists Julann Sonomura?

   Please submit to Harry Takiue and copy Julann Sonomura.

6. Please provide email address for Harry Takiue.

   Email address for Harry Takiue is: harry.h.takiue@hawaii.gov

7. Will night work be allowed?

   Night work will be allowed provided the contractor secures the required permits, such as a nightwork noise variance, community noise variance, etc. All permits are the responsibility of the contractor.

8. Please confirm there will not be a site visit?

   There will not be a site visit, however, contractors are welcome to drive by the site on their own.

I. ADJOURN

The meeting was adjourned at 9:13am.

J. EMAIL QUESTIONS

1. What is the daily volume of traffic through Keaau-Pahoa Road in the vicinity of Ainaloa Blvd?

   Based on available traffic data, average daily traffic is approximately 28,300 south of Ainaloa Blvd.

2. Please provide traffic control plan for the work.

   Traffic Control Plans will be determined by the Contractor's means and methods and will be subject to the Engineer's approval as stated in Section 645 – Work Zone Traffic Control.

3. Is there any information regarding the existing depth of the pavement for this project? If not, is there any cores of the existing road to confirm the depth of the existing pavement?

   Information on the existing depth of the pavement can be found in the project's Pavement Justification Report, dated December 7, 2018, attached

4. With reference to SP section 107.01(B)(4), please confirm or clarify section requirement for builders risk insurance for the subject bid.

   Builder's Risk Insurance will not be required.

5. With reference to plan sheet 43, please confirm that the work designated to be completed "by others" will be coordinated by the State to be completed prior to the contractor commencing work on project, or provide the approximate work duration required within the 175 working day contract period.

   The "by others" was included to clarify ownership of the existing transformer, not work. Callout has been removed for clarity.

6. Proposal for bid on item no. 604.0200 Modified 61614p Grate Shallow Drywell has a quantity of 1. But when looking through the plans I don't see any callouts for this drywell. Please advise on how to proceed with this item.

   See Sheet 18 for grates with a 6:1 side.

7. Request for viewing the Geotechnical Report referenced on plan sheet #4, note #50 for background information related to the demolition, grading and subgrade prep work for this bid. If this is not available for viewing, request information on the existing AC pavement thickness in locations required for full depth removal (ref. plan sheets #22-23).

   Geotechnical Investigation dated December 7, 2018 is attached.

8. Please provide exist AC Pavement Section

   See attached Pavement Justification Report dated December 7, 2018

9. Please provide copy of Geotech Report with boring logs.

   See attached Geotechnical Investigation dated December 7, 2018

DEPARTMENT OF TRANSPORTATION, HIGHWAYS DIVISION – HAWAII DISTRICT
SIGN-IN SHEET

PROJECT:	Kea'au-Pahoa Road Intersection Improvements At Ainaloa Boulevard District of Puna, Island of Hawaii	SUBJECT:	Pre-Bid Meeting
		PLACE:	Department of Transportation, Highways Division, Hawaii District Office
		DATE:	December 18, 2019
Job No:	Federal Aid Project No. STP-0130(27)	TIME:	9:00 am

NAME (PRINT)	FIRM	PHONE NO.	E-MAIL ADDRESS
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Renee Ishisaka	SSFM	808-933-2727	rishisaka@ssfm.com
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