

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

ADDENDUM NO. 1

FOR

**INTERSTATE ROUTE H-1
GUARDRAIL AND SHOULDER IMPROVEMENTS
KAPIOLANI INTERCHANGE TO AINAKOA AVENUE
FEDERAL-AID PROJECT NO. IM-H1-1(244)R**

**DISTRICT OF HONOLULU
ISLAND OF OAHU
FY 2019**

Amend the Bid Documents as follows:

A. SPECIAL PROVISIONS

1. Replace Table of Contents dated 12/24/18 with the attached Table of Contents dated 1/28/19.
2. Remove Special Provision Section 411 – Portland Cement Concrete Pavement dated 12/17/18.
3. Replace Special Provision Section 629 – Pavement Markings with the attached Special Provision Section 629 – Pavement Markings dated 1/28/19.

B. PROPOSAL SCHEDULE

Replace Proposal Schedule Pages P-8 through P-20 dated 12/24/18 with the attached Proposal Schedule pages P-8 through P-20 dated 1/28/19.

C. PLANS

Replace sheets **7, 16, 17, 46, 49 through 52, 163, and 171** with **ADD. 7, ADD. 16, ADD. 17, ADD. 46, ADD. 49 through ADD. 52, ADD. 163, and ADD. 171.**

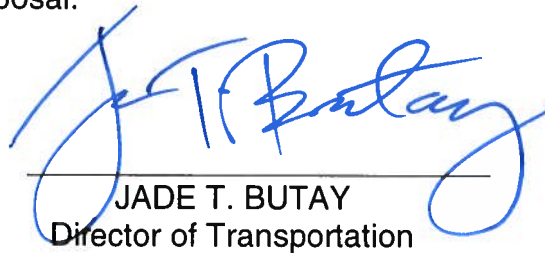
D. PRE-BID MEETING

1. Attached for your information the Pre-Bid Meeting minutes and signed attendance list from January 16, 2019 non-mandatory pre-bid conference.

E. ANSWERS TO QUESTIONS FROM PROSPECTIVE BIDDER

1. HDOT Responses to Bidder Questions received as of January 25, 2019, dated January 28, 2019.

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

TABLE OF CONTENTS

Notice To Bidders

Instructions for Contractor's Licensing

Notice of Requirement for Affirmative Action to Ensure
Equal Employment Opportunity (Executive Order 11246)

Disadvantaged Business Enterprise (DBE) Requirements

Required Federal-Aid Contract Provisions

Special Provisions Title Page

Special Provisions:

DIVISION 100 - GENERAL PROVISIONS		
Section	Description	Pages
101	Terms, Abbreviations and Definitions	101-1a – 101-12a
102	Bidding Requirements and Conditions	102-1a – 102-8a
103	Award And Execution of Contract	103-1a – 103-5a
104	Scope of Work	104-1a – 104-2a
105	Control of Work	105-1a – 105-3a
106	Material Restrictions and Requirements	106-1a
107	Legal Relations and Responsibility To Public	107-1a – 107-3a
108	Prosecution And Progress	108-1a – 108-24a
109	Measurement and Payment	109-1a – 109-2a

DIVISION 200 - EARTHWORK		
Section	Description	Pages
202	Removal of Structures and Obstructions	202-1a
203	Excavation And Embankment	203-1a – 203-2a
205	Excavation And Backfill For Bridge and Retaining Structures	205-1a – 205-5a
209	Temporary Water Pollution, Dust, and Erosion Control	209-1a – 209-29a
212	Archaeological Monitoring	212-1a – 212-3a

DIVISION 300 - BASES		
Section	Description	Pages
304	Aggregate Base Course	304-1a

DIVISION 400 - PAVEMENTS		
Section	Description	Pages
401	Hot Mix Asphalt (HMA) Pavement	401-1a – 401-4a

DIVISION 500 - STRUCTURES		
Section	Description	Pages
503	Concrete Structures	503-1a – 503-4a
507	Railing	507-1a
508	Cement Rubble Masonry	508-1a

DIVISION 600 - INCIDENTAL CONSTRUCTION		
Section	Description	Pages
601	Structural Concrete	601-1a – 601-2a
602	Reinforcing Steel	602-1a – 602-3a
606	Guardrail	606-1a – 606-2a
622	Roadway and Sign Lighting System	622-1a – 622-2a
623	Traffic Signal System	623-1a – 623-2a
629	Pavement Markings	629-1a – 629-3a
631	Traffic Control, Regulatory, Warning and Miscellaneous Signs	631-1a – 631-2a
638	Portland Cement Concrete Curb and Gutter	638-1a – 638-2a
641	Hydro-Mulch Seeding	641-1a
645	Work Zone Traffic Control	645-1a – 645-2a
656	Drilling Holes and Installing Dowel Reinforcing Bars	656-1a – 656-2a
671	Protection of Sea Birds	671-1a – 671-3a
672	Glass Fiber Reinforced Polymer Rebar	672-1a – 672-3a
699	Mobilization	699-1a

DIVISION 700 – MATERIALS		
Section	Description	Pages
702	Bituminous Materials	702-1a
705	Joint Materials for Concrete Structures	705-1a
709	Reinforcing Steel, Wire Rope and Prestressing Steel	709-1a
712	Miscellaneous	712-1a
755	Pavement Marking Materials	755-1a

Requirement of Chapter 104, HRS
Wages and Hours of Employees on Public Works Law

Federal Wage Rates

Proposal Title Page

Proposal P-1 – P-7

Proposal Schedule P-8 - P-24

Confirmation by DBE

Surety Bid Bond

Sample Forms

Contract

Performance Bond (Surety)

Performance Bond

Labor and Material Payment Bond (Surety)

Labor and Material Payment Bond

Disclosure of Lobbying Activities
Standard Form - LLL and LLL-A

Statement of Compliance
Form WH-348

Chapter 104, HRS Compliance Certificate

END OF TABLE OF CONTENTS

SECTION 629 - PAVEMENT MARKINGS

Make the following amendments to said Section:

(I) Amend **Subsection 629.03(B) – Temporary Pavement Markings** by revising the third paragraph from line 62 to 63 to read:

“Maintain and replace temporary pavement markings, flexible delineators, and barricades. ”

(II) Amend **Table 629.03 – 1 – Temporary Pavement Markings** to read as follows:

“TABLE 629.03-1 TEMPORARY PAVEMENT MARKINGS	
TYPE	PAVEMENT MARKINGS
Passing Permitted - Both Sides	Single 4-inch yellow stripe 5 feet in length spaced 20 feet on center with Type D markers spaced 40 feet on center and located on center of 5-foot length of stripe.
Passing Prohibited - Both Sides	Double solid 4-inch yellow stripes with Type D markers placed 20 feet on center on one of 4-inch yellow stripes selected by the Engineer.
Passing Permitted - One Side Only	Single continuous 4-inch yellow stripe with Type D markers placed on stripe 20 feet on center on no-passing side and single 4-inch yellow stripes 5 feet in length spaced 20 feet on center on passing side.
Lane Lines - Lane Changing Permitted	Single 4-inch yellow or white stripe 5 feet in length spaced 20 feet on center with Type C or Type D markers spaced 40 feet on center.
Lane Lines - Lane Changing Prohibited	Double solid 4-inch white stripes with Type C markers placed 20 feet on center on one of the 4-inch white stripes selected by the Engineer.
Crosswalk	Two 12-inch white transverse lines spaced 8 feet on center or as ordered by the Engineer.
Stop Line	Single 12-inch white transverse line.
Note: Paint may be used for temporary markings in areas where final paving is not complete.”	

(III) Amend **629.04 – Measurement** by revising lines 292 to 294 to read as follows:

18
19 **"629.04 Measurement.**

20
21 (A) The Engineer will measure pavement striping (thermoplastic
22 extrusion) and line pavement striping (thermoplastic extrusion) per
23 linear foot in accordance with the contract documents. The
24 longitudinal pavement striping will be measured per linear foot as a
25 single stripe for the width specified in the contract and in the proposal.
26 The Engineer will include the longitudinal gaps for skip striping, up to
27 thirty (30) feet long, in the measurement.
28

29 The Engineer will measure temporary pavement stripes (temporary
30 performed pavement marking tape) per linear foot in accordance with
31 the contract documents. The Engineer will not measure the
32 replacement of the temporary pavement stripes during the duration of
33 the Traffic Control Plan phase.
34

35 The Engineer will not measure flexible delineator posts with
36 reflector makers or Type I Barricades and temporary signs installed for
37 the longitudinal guidance of public traffic over reconstructed areas,
38 cold planed surfaces, newly paved surfaces or other unmarked or
39 scarified areas for payment.
40

41 The Engineer will measure the removal of existing pavement
42 striping per linear foot in accordance with the contract documents.
43

44 (B) The Engineer will measure the lane markers per each for the types
45 shown in the proposal."
46

47 (IV) Amend **629.05 – Payment** by revising lines 296 to 330 to read as follows:
48

49 **"629.05 Payment.**

50
51 (A) The Engineer will pay for pavement striping (thermoplastic
52 extrusion) at the contract price per linear foot according to the contract,
53 complete in place, including primers.
54

55 The Engineer will pay for line pavement striping (thermoplastic
56 extrusion) at the contract price per linear foot according to the contract,
57 complete in place, including primers.
58

59 The Engineer will pay for double four (4) inch line pavement striping
60 (thermoplastic extrusion) with a four (4) inch space between stripes at
61 the contract price per linear foot according to the contract complete in
62 place, including primers.
63

The contract unit price paid shall be full compensation for furnishing labors, materials, tools, equipment and incidentals and for doing the work involved in furnishing and installing pavement markings complete in place according to the contract.

The Engineer will pay for temporary pavement stripes (temporary performed pavement marking tape) per linear foot in accordance with the contract documents, complete in place, including primers. The Engineer will not pay for the replacement of the temporary pavement stripes during the duration of the Traffic Control Plan phase. The contractor is responsible to maintain temporary pavement stripes for the duration of the Traffic Control Plan phase, including replacement of damaged or missing temporary pavement stripes.

The Engineer will not pay for flexible delineator posts with reflector markers or Type I Barricades and temporary signs installed for the longitudinal guidance of public traffic over reconstructed areas, cold planed surfaces, newly paved surfaces or other unmarked or scarified areas for payment if not shown in the proposal separately. The Engineer will consider them incidental to the various contract items.

The Engineer will pay for the removal of existing pavement striping per linear foot in accordance with the contract documents.

- (B) The Engineer will pay for the various types of pavement markers at the contract price per each or on a lump sum basis according to the contract, complete in place, including adhesives.

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

Pay Item	Pay Unit
_____ - Inch Pavement Striping (Thermoplastic Extrusion)	Linear Foot
_____ - Inch _____ Line Pavement Striping (Thermoplastic Extrusion)	Linear Foot
Type _____ Lane Marker	Each
Temporary _____ Stripe (Temporary Preformed Pavement Marking Tape)	Linear Foot
Removal of Existing Pavement Striping	Linear Foot"

END OF SECTION 629

BASE BID PROPOSAL SCHEDULE					
ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
202.0100	Removal of Metal Bridge Railing	L.S.	L.S.	L.S.	\$ _____
202.0200	Removal of Concrete Curb	L.S.	L.S.	L.S.	\$ _____
202.0300	Removal of Portions of Concrete Barrier	L.S.	L.S.	L.S.	\$ _____
202.0400	Removal of AC Curbs	L.S.	L.S.	L.S.	\$ _____
202.0500	Removal of Guardrail	L.S.	L.S.	L.S.	\$ _____
203.1000	Roadway Excavation	<u>12</u>	C.Y.	\$ _____	\$ _____
209.1000	Installation, Maintenance, Monitoring and Removal of BMP	L.S.	L.S.	L.S.	\$ _____
209.2000	Additional Water Pollution,Dust, and Erosion Control	F.A.	F.A.	F.A.	\$ <u>100,000.00</u>
212.0100	Archaeological Monitoring	F.A.	F.A.	F.A.	\$ <u>80,000.00</u>
304.1000	Aggregate Base Course	<u>3</u>	C.Y.	\$ _____	\$ _____
503.0100	Concrete for Infill Walls @ Sites 2 I.B., 5 I.B., and 6 I.B.	L.S.	L.S.	L.S.	\$ _____
507.7001	Concrete End Post Upgrade for Pedestrian Overpass Structures No. 4 and No. 5	<u>2</u>	Each	\$ _____	\$ _____

BASE BID PROPOSAL SCHEDULE					
ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
507.7002	Concrete End Post Upgrade at Overpasses	<u>5</u>	Each	\$ _____	\$ _____
507.7003	Concrete End Post Upgrade at Retaining Walls	<u>4</u>	Each	\$ _____	\$ _____
507.7004	Concrete Railing Upgrade for Bridges and Retaining Walls	<u>1200</u>	L.F.	\$ _____	\$ _____
507.7005	Concrete End Posts Upgrade at Waialae Avenue Off Ramp (EB)	<u>1</u>	Each	\$ _____	\$ _____
603.0100	Cleaning of Existing Culverts	F.A.	F.A.	F.A.	\$ <u>50,000.00</u>
606.0100	Strong Post Thrie-Beam Guardrail	<u>630</u>	L.F.	\$ _____	\$ _____
622.1022	Relocating Abutment Conduit Systems	L.S.	L.S.	L.S.	\$ _____
629.1000	8-Inch Pavement Striping (Thermoplastic Extrusion)	<u>22</u>	L.F.	\$ _____	\$ _____
629.2000	12-Inch Pavement Striping (Thermoplastic Extrusion)	<u>60</u>	L.F.	\$ _____	\$ _____
629.3000	Temporary -Lane (Dashed Black/White) Stripe (Temporary Preformed Pavement Marking Tape)	<u>11,900</u>	L.F.	\$ _____	\$ _____
629.3010	Temporary -Solid White Stripe (Temporary Preformed Pavement Marking Tape)	<u>7,900</u>	L.F.	\$ _____	\$ _____

BASE BID PROPOSAL SCHEDULE					
ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
629.3020	Temporary -Auxiliary Stripe (Temporary Preformed Pavement Marking Tape)	<u>3,600</u>	L.F.	\$ _____	\$ _____
629.4000	Removal of Existing Pavement Striping	<u>23,400</u>	L.F.	\$ _____	\$ _____
629.7000	4-inch Black & White Lane Pavement Striping (Thermoplastic Extrusion)	<u>1600</u>	L.F.	\$ _____	\$ _____
631.1000	Roadway Warning Sign (Less than 10 Square Feet)	<u>4</u>	Each	\$ _____	\$ _____
641.1000	Hydro-mulch Seeding	<u>2000</u>	S.F.	\$ _____	\$ _____
643.0100	Maintenance of Existing Landscape Area	F.A.	F.A.	F.A.	\$ <u>25,000.00</u>
644.0100	Repair of Existing Sprinkler Systems	F.A.	F.A.	F.A.	\$ <u>30,000.00</u>
645.0100	Traffic Control	L.S.	L.S.	L.S.	\$ _____
645.0200	Additional Police Officers, Additional Traffic Control Devices, And Advertisement	F.A.	F.A.	F.A.	\$ <u>600,000.00</u>
648.0100	Field Posted Drawings	L.S.	L.S.	L.S.	\$ _____
671.0100	Protection of Seabirds	F.A.	F.A.	F.A.	\$ <u>10,000.00</u>

BASE BID PROPOSAL SCHEDULE					
ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
693.1000	Terminal Impact Attenuator, including foundation and all appurtenances specified by the manufacturer to install complete in place	L.S.	L.S.	L.S.	\$ _____
696.0100	Maintenance of Trailers	F.A.	F.A.	F.A.	\$ <u>40,000.00</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 Base Bid 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>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>					

BID ADDITIVE ALTERNATE #1 PROPOSAL SCHEDULE					
ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
202.0200	Removal of Concrete Curb	L.S.	L.S.	L.S.	\$ _____
209.2000	Additional Water Pollution,Dust, and Erosion Control	F.A.	F.A.	F.A.	\$ <u>10,000.00</u>
304.1000	Aggregate Base Course	<u>8</u>	C.Y.	\$ _____	\$ _____
401.0100	Hot Mix Asphalt Pavement, Mix No. IV	<u>11</u>	Ton	\$ _____	\$ _____
603.0100	Cleaning of Existing Culverts	F.A.	F.A.	F.A.	\$ <u>10,000.00</u>
623.2021	Type II Traffice Signal Standard With 40' Mast Arm	<u>1</u>	Each	\$ _____	\$ _____
623.2041	Foundation for Type II Traffic Signal Standard	<u>1</u>	Each	\$ _____	\$ _____
623.3003	Traffic Signal Assembly (1-Way, 12 Inch, 1-3 Section LED Vertical Dual Indication Head with Type IA Mounting)	<u>3</u>	Each	\$ _____	\$ _____
623.5004	Traffic Signal Ductline, Four 2-Inch Conduit	<u>40</u>	L.F.	\$ _____	\$ _____
623.6010	Type B Pullbox	<u>1</u>	Each	\$ _____	\$ _____
623.7026	No. 14 26-Conductor Traffic Control Cable	<u>80</u>	L.F.	\$ _____	\$ _____

BID ADDITIVE ALTERNATE #1 PROPOSAL SCHEDULE					
ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
629.1000	8-inch Pavement Striping (Thermoplastic Extrusion)	<u>290</u>	L.F.	\$ <u> </u>	\$ <u> </u>
629.2000	12-inch Pavement Striping (Thermoplastic Extrusion)	<u>50</u>	L.F.	\$ <u> </u>	\$ <u> </u>
629.3010	Temporary -Solid White Stripe (Temporary Preformed Pavement Marking Tape)	<u>400</u>	L.F.	\$ <u> </u>	\$ <u> </u>
629.4000	Removal of Existing Pavement Striping	<u>400</u>	L.F.	\$ <u> </u>	\$ <u> </u>
629.5000	4-inch White Edge Lane Line Pavement Striping (Thermoplastic Extrusion)	<u>960</u>	L.F.	\$ <u> </u>	\$ <u> </u>
629.6000	4-inch Double White Lane Line Pavement Striping (Thermoplastic Extrusion)	<u>150</u>	L.F.	\$ <u> </u>	\$ <u> </u>
629.7000	4-inch Dashed White Edge Lane Line Pavement Striping (Thermoplastic Extrusion)	<u>340</u>	L.F.	\$ <u> </u>	\$ <u> </u>
629.8000	4-inch Yellow Line Pavement Striping (Thermoplastic Extrusion)	<u>240</u>	L.F.	\$ <u> </u>	\$ <u> </u>
629.9000	Type "A" Lane Markers	<u>112</u>	Each	\$ <u> </u>	\$ <u> </u>
631.1000	Roadway Warning Sign (Less than 10 Square Feet)	<u>2</u>	Each	\$ <u> </u>	\$ <u> </u>

BID ADDITIVE ALTERNATE #1 PROPOSAL SCHEDULE					
ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
631.3000	Street Name Sign on Traffic Signal Mast Arm	<u>1</u>	Each	\$ <u> </u>	\$ <u> </u>
638.1000	Portland Cement Concrete Curb, Type 2D	<u>235</u>	L.F.	\$ <u> </u>	\$ <u> </u>
645.0100	Traffic Control	L.S.	L.S.	L.S.	\$ <u> </u>
645.0200	Additional Police Officers, Additional Traffic Control Devices, And Advertisement	F.A.	F.A.	F.A.	\$ <u>20,000.00</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.	\$ <u> </u>
<p>d. Sum of All Bid Additive Alternate #1 Items \$ <u> </u></p> <p>e. 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) \$ <u> </u></p> <p>f. Amount for Comparison of Bids (d + e) \$ <u> </u></p> <p>All bidders must fill in e and complete f</p> <p>NOTE: Bidders must complete all unit prices and amounts. Failure to do so may be grounds for rejection of bid.</p>					

**BID ADDITIVE ALTERNATE #2
PROPOSAL SCHEDULE**

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
202.0200	Removal of Concrete Curb	L.S.	L.S.	L.S.	\$ _____
203.1000	Roadway Excavation	<u>1</u>	C.Y.	\$ _____	\$ _____
209.2000	Additional Water Pollution,Dust, and Erosion Control	F.A.	F.A.	F.A.	\$ <u>20,000.00</u>
304.1000	Aggregate Base Course	<u>1</u>	C.Y.	\$ _____	\$ _____
401.0100	Hot Mix Asphalt Pavement, Mix No. IV	<u>1</u>	Ton	\$ _____	\$ _____
507.7006	Concrete End Posts Upgrade at Ainakoa On Ramp (EB)	<u>1</u>	Each	\$ _____	\$ _____
603.0100	Cleaning of Existing Culverts	F.A.	F.A.	F.A.	\$ <u>5,000.00</u>
606.0100	Strong Post Thrie-Beam Guardrail	<u>40</u>	L.F.	\$ _____	\$ _____
629.1000	8-Inch Pavement Striping (Thermoplastic Extrusion)	<u>55</u>	L.F.	\$ _____	\$ _____
629.2000	12-Inch Pavement Striping (Thermoplastic Extrusion)	<u>75</u>	L.F.	\$ _____	\$ _____
629.3010	Temporary -Solid White Stripe (Temporary Preformed Pavement Marking Tape)	<u>400</u>	L.F.	\$ _____	\$ _____

**BID ADDITIVE ALTERNATE #2
PROPOSAL SCHEDULE**

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
629.4000	Removal of Existing Pavement Striping	<u>400</u>	L.F.	\$ _____	\$ _____
631.2000	Relocation of Existing Roadway Regulatory Sign	<u>1</u>	Each	\$ _____	\$ _____
638.1000	Portland Cement Concrete Curb, Type 2D	<u>35</u>	L.F.	\$ _____	\$ _____
638.2000	Portland Cement Concrete Curb & Gutter, Type 2DG	<u>35</u>	L.F.	\$ _____	\$ _____
643.0100	Maintenance of Existing Landscape Area	F.A.	F.A.	F.A.	\$ <u>10,000.00</u>
644.0100	Repair of Existing Sprinkler Systems	F.A.	F.A.	F.A.	\$ <u>5,000.00</u>
645.0100	Traffic Control	L.S.	L.S.	L.S.	\$ _____
645.0200	Additional Police Officers, Additional Traffic Control Devices, And Advertisement	F.A.	F.A.	F.A.	\$ <u>25,000.00</u>
693.1000	Terminal Impact Attenuator, including foundation and all appurtenances specified by the manufacturer to install complete in place	L.S.	L.S.	L.S.	\$ _____

BID ADDITIVE ALTERNATE #2 PROPOSAL SCHEDULE					
ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
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>g. Sum of All Bid Additive Alternate #2 Items \$ _____</p> <p>h. 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>i. Amount for Comparison of Bids (g + h) \$ _____</p> <p>All bidders must fill in h and complete i</p> <p>NOTE: Bidders must complete all unit prices and amounts. Failure to do so may be grounds for rejection of bid.</p>					

**BID ADDITIVE ALTERNATE #3
PROPOSAL SCHEDULE**

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
202.0100	Removal of Metal Bridge Railing	L.S.	L.S.	L.S.	\$ _____
202.0200	Removal of Concrete Curb	L.S.	L.S.	L.S.	\$ _____
202.0300	Removal of Portions of Concrete Barrier	L.S.	L.S.	L.S.	\$ _____
205.0100	Structure Excavation for Barrier/Retaining Walls	<u>160</u>	C.Y.	\$ _____	\$ _____
205.0200	Structure Backfill for Barrier/Retaining Walls	<u>100</u>	C.Y.	\$ _____	\$ _____
209.2000	Additional Water Pollution,Dust, and Erosion Control	F.A.	F.A.	F.A.	\$ <u>30,000.00</u>
503.0200	Concrete for Barrier Wall at Ramp 20	<u>75</u>	C.Y.	\$ _____	\$ _____
503.0300	Concrete for Barrier Wall at Waialae Grade Separation	<u>35</u>	C.Y.	\$ _____	\$ _____
602.0100	Reinforcing Steel for Barrier Wall at Ramp 20	<u>7000</u>	LBS	\$ _____	\$ _____
602.0200	Reinforcing Steel for Barrier Wall at Waialae Grade Separation	<u>3000</u>	LBS	\$ _____	\$ _____
603.0100	Cleaning of Existing Culverts	F.A.	F.A.	F.A.	\$ <u>10,000.00</u>
606.0100	Strong Post Thrie-Beam Guardrail	<u>40</u>	L.F.	\$ _____	\$ _____

BID ADDITIVE ALTERNATE #3 PROPOSAL SCHEDULE					
ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
629.1000	8-Inch Pavement Striping (Thermoplastic Extrusion)	<u>20</u>	L.F.	\$ <u> </u>	\$ <u> </u>
629.2000	12-Inch Pavement Striping (Thermoplastic Extrusion)	<u>50</u>	L.F.	\$ <u> </u>	\$ <u> </u>
629.3010	Temporary -Solid White Stripe (Temporary Preformed Pavement Marking Tape)	<u>350</u>	L.F.	\$ <u> </u>	\$ <u> </u>
629.4000	Removal of Existing Pavement Striping	<u>350</u>	L.F.	\$ <u> </u>	\$ <u> </u>
643.0100	Maintenance of Existing Landscape Area	F.A.	F.A.	F.A.	\$ <u>10,000.00</u>
644.0100	Repair of Existing Sprinkler Systems	F.A.	F.A.	F.A.	\$ <u>5,000.00</u>
645.0100	Traffic Control	L.S.	L.S.	L.S.	\$ <u> </u>
645.0200	Additional Police Officers, Additional Traffic Control Devices, And Advertisement	F.A.	F.A.	F.A.	\$ <u>20,000.00</u>
656.0100	Drilling Holes and Installing Dowel Reinforcing Bars for Barriers and Railings	<u>220</u>	Each	\$ <u> </u>	\$ <u> </u>

BID ADDITIVE ALTERNATE #3 PROPOSAL SCHEDULE					
ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
693.1000	Terminal Impact Attenuator, including foundation and all appurtenances specified by the manufacturer to install complete in place	L.S.	L.S.	L.S.	\$ _____
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>j. Sum of All Bid Additive Alternate #3 Items \$ _____</p> <p>k. 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>l. Amount for Comparison of Bids (j + k) \$ _____</p> <p>All bidders must fill in k and complete l</p> <p>NOTE: Bidders must complete all unit prices and amounts. Failure to do so may be grounds for rejection of bid.</p>					

BID SUMMARY

Base Bid		\$ _____
Additive Alternate #1	\$ _____	
Additive Alternate #2	\$ _____	
Additive Alternate #3	\$ _____	
Total Amount for Comparison of Bids (Sum of Total Lump Sum Base Bid and Additive Alternates #1 - #3)		\$ _____

Notes:

1. Bidders must complete all unit prices and amounts. Failure to do so may be grounds for rejection of bid.
2. All bidders are required to bid on the BASE BID and ALL BID ADDITIVE ALTERNATE 1 THRU BID ALTERNATE 3 ITEMS to be considered responsive.

3. Evaluation of Bids. The lowest responsive, responsible bid is determined by the following procedures:

- a. Chapter 103D, HRS, which provides for the preferences, shall apply.
- b. Project control budget is established prior to the submission of bids.
- c. If there is more than one alternate for a project, the State will determine the precedence of the alternates for each project prior to the submission of bids.
- d. The project will be evaluated based on the adjusted bid price.

4. Evaluating Bids with Additive Alternates:

- a. Prior to opening bids, the State will announce the project control budget. All bids will be evaluated on the basis of the same alternate item.
- b. The ADDITIVE ALTERNATES, in their precedence order, are added to the TOTAL LUMP SUM BASE BID price. This (these) sum(s) are compared to the project control budget, and must be within the project control budget.

If adding another ADDITIVE ALTERNATE would make the aggregate amount exceed the project control budget for all bidders, that ADDITIVE ALTERNATE and all subsequent numbered alternates will be skipped.

The bidder with the lowest aggregate amount, within the project control budget, for the TOTAL LUMP SUM BASE BID plus ADDITIVE ALTERNATE(S) in their precedence order, is the lowest responsible bidder.

Should the TOTAL LUMP SUM BASE BID price exceed the project control budget, the State reserves the right to negotiate with the lowest responsible bidder as permitted under Section 103D-302, Hawaii Revised Statutes, to further reduce the scope of work and award a contract thereafter.

- c. The bidder with the lowest aggregate amount, within the project control budget (after application of the various preferences), for the total lump sum base bid plus the alternates in their precedence order, is the "Low Bidder" for that project and is designated for award.
 - d. Should the Lump Sum Base Bid of all bidders exceed the project control budget, the bidder with the lowest total lump sum base bid after application of the preferences is designated the low bidder for the project.
 - e. Should the Lump Sum Base Bid of all bidders exceed the project control budget, the bidder with the lowest total lump sum base bid after application of the preferences is designated the low bidder for the project.
5. No additional compensation will be made by the State for losses, including overhead and profit, resulting from the deletion of the additive alternate items.
6. Contract time shall remain the same whether or not the scope of work is increased.

PRE-BID MEETING AGENDA

Project: Interstate Route H-1, Guardrail and Shoulder Improvements, Kapiolani Interchange to Ainakoa Avenue
Federal-aid Project No. IM-H1-1(244)R

Subject: Non-mandatory Pre-bid Conference

Date/Time: January 16, 2019 at 9:30 AM

Held: Kakuhihewa State Office Building
601 Kamokila Boulevard, Room 264
Kapolei, HI 96707

Present: See attached lists of attendees

Discussed:

- A. Mr. Yoshida introduced himself and had each meeting participant do the same as well.
- B. Steven Yoshida opens meeting at 9:35 A.M. after waiting to see if others will show. The following is to be announced once the meeting began:
 - 1. Pre-bid conference is non-mandatory and is intended for clarification prior to bidding.
 - 2. If you haven't done so, please sign in.
 - 3. Announcement: "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."
 - 4. Bidders have no less than 14 calendar days before bid opening to submit requests for information (RFI). All RFI shall be received in writing (email is preferred).
 - 5. The minutes to this meeting and the sign-in sheet will be distributed by addendum prior to bid opening.
 - 6. Archaeological Monitoring is required for this project, which is Force Account Item No. 212.0100 Archaeological Monitoring. As noted in Section 212.01 of the Special Provisions, "The Contractor shall obtain the services of an Archaeologist or firm with an approved permit from the Department of Land and Natural Resources (DLNR) for conducting archaeological activities in the State of Hawaii."
 - 7. Lane Closure requires are specified in Section 645 of the Special Provisions. Shoulder Closures are only allowed during the day, while nighttime closures are allowed as specified. Also note as specified in Subsection 645.03(F), "At the Engineer's discretion, with a one week prior notification to the Contractor, work may be suspended to allow traffic to flow freely during major public events, such as concerts, parades,

PRE-BID MEETING MINUTES

Interstate Route H-1, Guardrail and Shoulder Improvements, Kapiolani Interchange to Ainakoa Avenue
Federal-aid Project No. IM-H1-1(244)R

sporting events, etc. The Contractor will not be compensated but the Contractor's Roadway Completion Time and/or Contract Time will be adjusted accordingly."

8. A Community Noise Control Variance has been secured for this project from the Department of Health. Currently the variance expires on January 31, 2020. An extension will be requested prior to that expiration date.
9. An extension to the Notice of General Permit Coverage (NGPC) for this project has been requested to the Department of Health. It is currently being reviewed for approval by the Department of Health.
10. Bid opening is scheduled for 2:00 P.M., Thursday, February 7, 2019 at the Contracts Office, Department of Transportation, 869 Punchbowl Street, Honolulu, HI 96813.

C. Open discussion with prospective bidder:

1. Reference: Re-advertising

Question: Why was the project re-advertised?

HDOT Response: The bids at the time were higher than the project budget. The project is being re-advertised with a base plus additive alternates. The award and scope of work for this project will be determined by the control budget, which will be announced at the time of bid opening.

2. Reference: Award based on Control Budget

Question: If the control budget is \$10 million and the Base Bid is say, \$8 million and two Additive Alternate bids are \$1 million each, will the Base Bid and the two Additive Alternates be awarded?

HDOT Responses: We cannot say at this time.

3. Reference: Temporary Striping

Question was sent in by email earlier.

HDOT Response: The question sent by email earlier is currently being discussed. It will be responded to in writing by Addendum No. 1.

4. Reference: Addendum No. 1's Release

Question: When will the Addendum be released?

HDOT Response: The design manager is not sure. The release of addendums are not controlled by the design manager, but rather the department's contracts office.

Meeting Adjourned at 9:50 A.M.

Prepared by: Steven Yoshida

PRE-BID CONFERENCE ATTENDANCE LIST

PROJECT NO.: IM-H1-1(244)R PROJECT NAME: INTERSTATE ROUTE H-1, GUARDRAIL AND SHOULDER IMPROVEMENTS, KAPIOLANI INTERCHANGE TO AINAKOA AVENUE

DATE: JANUARY 16, 2019 TIME: 9:30 AM LOCATION: KAKUHIHEWA STATE OFFICE BUILDING, 601 KAMOKILA BLVD, ROOM 264, KAPOLEI, HI 96707

CALLED BY: STEVEN YOSHIDA, HDOT DESIGN PROJECT MANAGER

PLEASE PRINT

PARTICIPANTS	COMPANY / ORGANIZATION	ADDRESS (Including City and Zip Code)	TELEPHONE NUMBER
1 CALVIN MIYAHARA	KSF INC	615 PIKOI ST. HONO., HI 96814	495-6231
2 CATHY LEONG	WILSON OKAMOTO CORP	1907 S. PIERCE AVE #400 HAWAII, HI 96826	946-2277
3 Roy Ortiz	GPRS	660 MAPUNAPUNA ST. HAWAII, HI 96819	306-9310
4 Phil Flanigan	GPRS	660 MAPUNAPUNA ST	285-3597
5 RANDALL YONG	R.M. TOWILL	2024 N. KING ST. SUITE 200, HONOLULU, HI 96819	842-1133
6 Steven Yoshida	HDOT	601 Kamokila Blvd, Rm 602, Kapolei, HI 96707	692-7682
7 Nilesh Shelar	NAN INC	636 Laumaka St, Honolulu, HI 96819	515-708925
8 Yeomoon Yun	Nan, Inc	636 Laumaka St. Honolulu, HI 96819	842-4929
9 JIM ECKER	GLOBAL SPECIALTY	94-978 Pakela St, Waipahu, HI 96797	843-8881
10 STACY ARMSTRONG	R.M. TOWILL CORP	2024 N. KING ST. #200 HAWAII, HI 96819	842-1133
11 RANDY STEVENS	GLOBAL SPECIALTY	94-978 Pakela St., Waipahu, HI 96797	843-8881
12			

QUESTIONS FROM BIDDERS WITH HDOT RESPONSES

Interstate Route H-1, Guardrail and Shoulder Improvements

Kapiolani Interchange to Ainakoa Avenue

Federal-aid Project No. IM-H1-1(244)R

January 28, 2019

BASE BID

Question 1 (Received on 01/14/19): With reference made to general site plan sheet C1.4, and Site Plan sheet C3.3 & 3.4, please clarify apparent discrepancy in location identification for Sites 7 & 8 OB (Site locations for 7 & 8 OB on general site plan do not match Site Plan sheets).

HDOT Response: Sheet C1.4 revised, see attached Sheet ADD 7.

Question 2 (Received on 01/14/19): With reference made to plan sheet C3.4, Site 9 OB, and Traffic Control plans, there does not appear to any traffic control for retrofit guardrail connection to abutment approach end work. Will this work be paid for in proposal item #645.0200?

HDOT Response: Site 9 OB is covered by typical traffic control plan 4. Please note that the 24-hour barriers are not reflected on the plans. As for the cost, it is included in proposal item #645.0100 for the base bid. See attached Sheets TC-29 (ADD 46), C3.4 (ADD 16), and C3.5 (ADD 17) which have been revised.

Question 3 (Received on 01/14/19): With reference made to Traffic Control plan sheet TC-32 to TC-35 request confirmation that the Phase 6 (11th Avenue WB) traffic control plan is not required for this contract.

HDOT Response: 3. Phase 6 traffic control plans are not required for this contract. These plans were initially included but since the work areas have changed, Phase 6 has been removed from this contract as shown on sheet C1.4 and can be disregarded. See attached sheets TC-32 to TC-35 (ADD 49 to 52) which have been revised.

Question 4 (Received on 01/14/19): With reference to proposal item 411.1000 (PCC Pavement) request a descriptive narrative as to where this item shall be measured for payment as our quantity is significantly greater than the proposal quantity.

Response: PCC quantities have been removed from the Proposal Schedule. All PCC work shall be considered incidental to the other Pay Items. Any other items not specifically called for in the Proposal Schedule shall be considered incidental to the other Pay Items.

Question 5 (Received on 01/14/19): With reference to the traffic control plans, does the State have any appropriate portable barriers available to be used for this project? If such portable barriers are available, where can they be picked up?

QUESTIONS FROM BIDDERS WITH HDOT RESPONSES
Interstate Route H-1, Guardrail and Shoulder Improvements
Kapiolani Interchange to Ainakoa Avenue
Federal-aid Project No. IM-H1-1(244)R
January 28, 2019

HDOT Response: The State does not have any available portable barriers for this project. The contractor will be required to provide these portable barriers. Cost for this work is included in Item No. 645.1000.

Question 6 (Received on 01/17/19): One more question- I can't find the base bid item number 631.2000- relocation of existing roadway regulatory sign on the plans anywhere. Is this supposed to be the mile marker posts?
If that is the case, item number 631.1000 roadway warning sign would be missing in the base bid plans.

HDOT Response: No relocation of existing sign for base bid, see attached revised Proposal Schedule. Mile markers are covered under Item No. 631.1000.

ADDITIVE ALTERNATE 1

Question 7 (Received on 01/15/19): With reference to proposal item 411.1000 (PCC Pavement), and pavement transition detail C2.2, request a descriptive narrative as to where this item shall be measured for payment as we are unable to locate any work for this alternate.

HDOT Response: PCC to be used as foundations for the terminal impact attenuators.

See Sheet C4.0-C4.2 for Pavement Transition work.

ADDITIVE ALTERNATE 2

Question 8 (Received on 01/14/19): Some of the detail sheets are missing. On Sheet C5.0 (page 163), the notes tell us to refer to sheets S16.3, 17.28, and 17.29. The sheets are not part of the set.

HDOT Response: Sheet C5.0, Sheet 163, callouts to be revised as Sheet ADD. 163. Detail sheet references revised to sheets S15.19 and S15.20. See attached Sheet ADD. 163.

Sheet S16.3 is included, it is on Sheet 170.

GENERAL QUESTIONS APPLYING TO BASE AND/OR INDIVIDUAL ADDITIVE ALTERNATES

Question 9 (Received 01/14/19): I was wondering if we could substitute Quadguards for the terminal impact attenuators throughout this project. I've attached a brochure from the manufacturer.

HDOT Response: Yes, QuadGuard Systems are an acceptable terminal impact attenuator. Either MASH or NCHRP Report 350 previously approved compliant QuadGuard products are acceptable for this project. Regardless of the manufacturer, all requirements set by the manufacturer shall be included in

QUESTIONS FROM BIDDERS WITH HDOT RESPONSES
Interstate Route H-1, Guardrail and Shoulder Improvements
Kapiolani Interchange to Ainakoa Avenue
Federal-aid Project No. IM-H1-1(244)R
January 28, 2019

the bid price. This includes the necessary hardware, foundations, anchor blocks, and anything else that is specified by the manufacturer to provide units complete in place.

Question 10 (Received on 01/15/19): On the traffic control plans it shows the location and layout of the temporary pavement striping. Is acceptable to use paint instead of thermoplastic for the temporary striping?

When we install the temporary striping, does the existing striping get eradicated or blacked out?

HDOT Response: In accordance with spec section 645 and 629, temporary preformed pavement marking tape may be implemented for temporary striping. The contractor will be expected to maintain the temporary preformed pavement marking tape for the duration of the TCP implementation. As for the removal of the existing pavement striping, it shall be removed in accordance with spec section 629. "Blacking out" of the existing pavement markings is not allowed under section 629.03(D)(4).

Question 11 (Received on 01/18/19): Have the following question for Additive Alternate #2 & 3: For Additive Alternate #2 and #3, and with reference to proposal item 411.1000 (PCC Pavement), request a descriptive narrative as to where this item shall be measured for payment as we are unable to locate any work for this alternate

HDOT Response: PCC quantities have been removed from the Proposal Schedule. All PCC work shall be considered incidental to the other Pay Items. Any other items not specifically called for in the Proposal Schedule shall be considered incidental to the other Pay Items.

See Sheet C4.0-C4.2 for Pavement Transition work.