STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION

ADDENDUM NO. 5

FOR

KAMEHAMEHA HIGHWAY DRAINAGE AND SAFETY IMPROVEMENTS
VICINITY OF LANIAKEA BEACH (MP 3.06 TO MP 3.54)

PROJECT NO. 83B-01-09

DISTRICT OF WAIALUA

ISLAND OF OAHU

October 5, 2023

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

A. SPECIAL PROVISIONS

1. Delete page 108-1a of Section 108 dated 6/5/2020 and replace with the attached page 108-1a dated r10/5/2023.

B. PROPOSAL

1. Delete Proposal Schedule dated r9/19/2023 in its entirety and replace with the attached Proposal Schedule dated r10/5/2023.

C. PLANS

1. Replace Plan Sheet No. 184 with the attached Plan Sheet No. Addendum 184.

The following is provided for information.

D. RESPONSES TO REQUESTS FOR INFORMATION/QUESTIONS (RFIs/Questions)

1. Attached Responses to Request for Information/Questions is provided for information.

Please acknowledge receipt of this Addendum No. 5 by recording the date of its receipt in the space provided on Page P-4 of the Proposal.

ROBIN K. SHISHIDO
Deputy Director of Transportation for Highways

Amend **Section 108 – PROSECUTION AND PROGRESS** to read as follows:

"SECTION 108 – PROSECUTION AND PROGRESS

108.01 Notice to Proceed (NTP).

A Notice To Proceed will be issued to the Contractor not more 30 calendar days after the contract certification date. The Engineer may suspend the contract before issuing the Notice To Proceed, in which case the Contractor's remedies are exclusively those set forth in Subsection 108.10 – Suspension of Work.

5 The Contractor shall be allowed up to 180 calendar days after the Notice to Proceed to begin physical work as indicated by the Engineer. The Start Work Date will be established when this period ends or on the actual day that the Engineer authorizes the start of physical work, whichever is first. Charging of Contract Time will begin on the Start Work Date. The Engineer shall notify the Contractor, in writing, at least five working days before beginning physical work.

In the event that the Contractor fails to start physical work within the time specified, the Engineer may terminate the contract in accordance with Subsection 108.11 – Termination of Contract for Cause.

During the period between the Notice to Proceed and the Start Work Date the Contractor should adjust work forces, equipment, schedules, and procure materials and required permits, prior to beginning physical work. Long lead items for the project include materials specified in Section 619 and Section 622.

Any physical work done prior to the Start Work Date will be considered unauthorized work. If the Engineer does not direct that the unauthorized work be removed, it shall be paid for after the Start Work Date and only if it is acceptable.

In the event that the Engineer establishes, in writing, a Start Work Date that is beyond 180 calendar days from the Notice to Proceed date, the Contractor may submit a claim in accordance with, Subsection 107.15 – Disputes and Claims for increased labor and material costs which are directly attributable to the delay beyond the first 60 calendar days after the Notice to Proceed date.

The Contractor shall notify the Engineer at least 24 hours before restarting physical work after a suspension of work pursuant to Subsection 108.10 – Suspension of Work.

Once physical work has begun, the Contractor shall work expeditiously and pursue the work diligently to completion with the contract time. If a portion of the work is to be done in stages, the Contractor shall leave the area safe and usable for the user agency and the public at the end of each stage.

PROPOSAL SCHEDULE					
ITEM NO.	**ITEM**	**APPROX. QUANTITY**	**UNIT**	**UNIT PRICE**	**AMOUNT**
201.1000	Clearing and Grubbing	17,910	SY	$_____	$_____
202.0100	Removal of Existing Traffic Sign and Post	35	Each	$_____	$_____
202.0200	Removal of Existing Signs	56	Each	$_____	$_____
202.0300	Removal of Existing Headwall	1	Each	$_____	$_____
202.0500	Removal of Existing Pavement and Driveways	5,985	SY	$_____	$_____
202.0600	Removal of Existing Pavement Striping, Markers and Crosswalks	LS	LS	LS	$_____
202.0700	Removal of Existing Fence	800	LF	$_____	$_____
202.0900	Removal of Existing Barriers, Barrels and Sand	LS	LS	LS	$_____
202.2000	Removal of Existing CRM Walls	LS	LS	LS	$_____
203.1000	Roadway Excavation	980	CY	$_____	$_____
203.2000	Imported Borrow	11,420	CY	$_____	$_____
204.1000	Trench Excavation for Water Systems	LS	LS	LS	$_____
204.2000	Trench Backfill for Water Systems	LS	LS	LS	$_____
205.1000	Structure Excavation for Abutments, Pier and Wingwalls	825	CY	$_____	$_____

5

PROPOSAL SCHEDULE					
ITEM NO.	**ITEM**	**APPROX. QUANTITY**	**UNIT**	**UNIT PRICE**	**AMOUNT**
205.2000	Structure Backfill for Abutments and Wingwalls	140	CY	$_____	$_____
205.3000	Structure Excavation for Cutoff Wall	90	CY	$_____	$_____
205.4000	Structure Excavation Dumped Riprap and Cushion Layer	60	CY	$_____	$_____
205.5000	CLSM Backfill for Abutments and Wingwalls	1,220	CY	$_____	$_____
206.1000	Excavation for 24-inch Drainline	80	CY	$_____	$_____
207.1000	Ditch and Channel Excavation	170	CY	$_____	$_____
209.1000	Installation, Maintenance, Monitoring and Removal of BMP for Construction Activities including in-water inspections	LS	LS	LS	$_____
209.2000	Installation, Maintenance, Monitoring and Removal of BMP for Hydrotesting Activities	LS	LS	LS	$_____
209.3000	Installation, Maintenance, Monitoring and Removal of BMP for Dewatering Activities	LS	LS	LS	$_____
209.4000	Additional Water Pollution, Dust and Erosion Control	FA	FA	FA	$25,000.00
212.1000	Archaeological Monitoring	FA	FA	FA	$100,000.00
219.1000	Determination and Characterization of Fill Material	LS	LS	LS	$_____
219.2000	Testing for Lead Based Paint	FA	FA	FA	$250,000.00

PROPOSAL SCHEDULE					
ITEM NO.	**ITEM**	**APPROX. QUANTITY**	**UNIT**	**UNIT PRICE**	**AMOUNT**
301.1000	Hot Mix Asphalt Base Course	2,735	Ton	$_____	$_____
304.1000	Aggregate Base	1,920	CY	$_____	$_____
313.1000	Permeable Separator	12,995	SY	$_____	$_____
401.1000	PMA Pavement, Mix No. IV	1,420	Ton	$_____	$_____
415.1000	Cold Planing	LS	LS	LS	$_____
417.1000	Geogrid	10,850	SY	$_____	$_____
417.1010	Additional Geogrid	FA	FA	FA	$10,000.00
503.1000	Concrete for Abutment Walls	LS	LS	LS	$_____
503.1010	Concrete for Drill Shaft Cap Beams, Pier Wall and Pier Cap Beam	LS	LS	LS	$_____
503.1020	Concrete for Concrete Topping, Edge Beams, Pier Diaphragm, and End Beams	LS	LS	LS	$_____
503.1030	Concrete Approach Slabs and Sleeper Slabs	LS	LS	LS	$_____
503.1040	Concrete for Wingwalls and Drilled Shaft Caps	LS	LS	LS	$_____
503.1050	Concrete for Keywalls	LS	LS	LS	$_____
503.1060	Concrete for Mud Slabs	LS	LS	LS	$_____

PROPOSAL SCHEDULE					
ITEM NO.	**ITEM**	**APPROX. QUANTITY**	**UNIT**	**UNIT PRICE**	**AMOUNT**
503.2000	Concrete for Cutoff Wall	LS	LS	LS	$_____
503.3000	Concrete for Water System	LS	LS	LS	$_____
503.4000	Blanket Grinding and Mechanical Grooving	LS	LS	LS	$_____
504.1000	Prestressed Concrete Planks	16	Each	$_____	$_____
507.1000	Bridge Concrete Railing	220	LF	$_____	$_____
507.1010	Concrete End Post Railing	4	Each	$_____	$_____
511.0100	Furnishing Drilled Shaft Drilling Equipment	LS	LS	LS	$_____
511.0200	Obstructions	40	Hours	$_____	$_____
511.0300	Load Test (36-inch Diameter)	1	Each	$_____	$_____
511.0400	Drilled Shaft for Abutments and Pier (36-inch Diameter)	600	LF	$_____	$_____
511.0410	Drilled Shaft for Wingwalls (36-inch Diameter)	200	LF	$_____	$_____
511.0500	Unclassified Shaft Excavation (36-inch Diameter)	800	LF	$ _____	$_____
511.0600	Trial Shaft (36-inch Diameter)	70	LF	$_____	$_____
511.0700	Coring for Integrity Testing for Acceptable Drilled Shafts	220	LF	$_____	$_____

PROPOSAL SCHEDULE					
ITEM NO.	**ITEM**	**APPROX. QUANTITY**	**UNIT**	**UNIT PRICE**	**AMOUNT**
602.1000	Reinforcing Steel for Abutment Walls	LS	LS	LS	$_____
602.1010	Reinforcing Steel for Drilled Shaft Cap Beam, Pier Wall, and Pier Cap Beam	LS	LS	LS	$_____
602.1020	Reinforcing Steel for Concrete Topping, Edge Beams, Pier Diaphragm and End Beams	LS	LS	LS	$_____
602.1030	Reinforcing Steel for Approach Slabs and Sleeper Slabs	LS	LS	LS	$_____
602.1040	Reinforcing Steel for Wingwalls and Drilled Shaft Caps	LS	LS	LS	$_____
602.1050	Reinforcing Steel for Keywalls	LS	LS	LS	$_____
602.2000	Reinforcing Steel for Cutoff Wall	LS	LS	LS	$_____
603.1000	Bed Course Material for Culvert	15	CY	$_____	$_____
603.2000	24-inch Reinforced Concrete Pipe, Class III	75	LF	$_____	$_____
603.3000	Clean Existing Culverts	FA	FA	FA	$5,000.00
604.1000	Type 61614P Grated Drop Inlet, 4 feet to 5 feet	1	Each	$_____	$_____
604.1010	Type A Storm Drain Manhole, 6 feet to 7 feet	1	Each	$_____	$_____
606.1000	Guardrail Type 3 Thrie Beam	100	LF	$_____	$_____
606.2000	Guardrail Type 3 (31” W-Beam with Standard 8” Offset Block)	1,660	LF	$_____	$_____

PROPOSAL SCHEDULE					
ITEM NO.	**ITEM**	**APPROX. QUANTITY**	**UNIT**	**UNIT PRICE**	**AMOUNT**
606.3000	Terminal Section (MSKT-SP-MGS or Approved Equal)	6	Each	$_____	$_____
607.1000	4-Feet Chain Link Fence	1058	LF	$_____	$_____
607.1010	4-Feet Wooden Fence	577	LF	$_____	$_____
607.1020	4-Feet High Tensile Hinge Joint Fence	401	LF	$_____	$_____
607.1030	4-Feet Chain Link fence w/ Geotextile Fabric	931	LF	$_____	$_____
607.1040	4-Feet Bollard	14	Each	$_____	$_____
607.1050	4-feet High Tensile Hinge Joint Fence w/ Geotextile Fabric	996	LF	$_____	$_____
607.1060	Cattle Gate, 20’ Span	2	Each	$_____	$_____
610.1000	4-inch Reinforced Concrete Driveway	LS	LS	LS	$_____
612.1000	Grouted Rubble Paving	25	CY	$_____	$_____
613.1000	Centerline and Reference Survey Monuments	3	Each	$_____	$_____
615.1000	12-Inch Bicycle Friendly Milled Edgeline Rumble Strip, Shoulder	600	LF	$_____	$_____
615.2000	12-Inch Continuous Milled Strip	1,200	LF	$_____	$_____
617.0100	Imported Planting Soil, 4” Layer	1,545	CY	$_____	$_____

PROPOSAL SCHEDULE					
ITEM NO.	**ITEM**	**APPROX. QUANTITY**	**UNIT**	**UNIT PRICE**	**AMOUNT**
617.0200	Imported Compost, 2” Layer	124,900	SF	$_____	$_____
619.0100	True Kou Tree (Cordia subcordata, 25 Gal.)	LS	LS	LS	$_____
619.0200	Beach Heliotrope Tree (Heliotropium foertherianum, 25 Gal.)	LS	LS	LS	$_____
619.0300	Milo Tree (Thespesia popuinea, 25 Gal.)	LS	LS	LS	$_____
619.0400	Beach Naupaka Shrub (Scaevola taccada, 1 Gal. 30” O.C. Tri. Spacing)	LS	LS	LS	$_____
619.0500	Akia (Wikstroemia uva-ursi, 1 Gal., 24” O.C. Tri. Spacing)	LS	LS	LS	$_____
619.0600	Nanea (Vigna marina, 6” Pot 12” O.C. Tri. Spacing)	LS	LS	LS	$_____
619.0700	Pohinahina (Vitex rotundifolia, 4” Pots, 24” O.C. Tri. Spacing)	LS	LS	LS	$_____
619.0800	Wood Mulch, 2” Layer	LS	LS	LS	$_____
619.0900	Plastic Root Control Barrier, 36” Depth	LS	LS	LS	$_____
621.0100	Inventory of Invasive Species before Construction	LS	LS	LS	$_____
621.0200	Invasive Species Removal Plan	FA	FA	FA	$5,000.00
621.0300	Removal of Plants and Animals Established before Physical Construction or Site Work, Post-removal Monitoring	FA	FA	FA	$30,000.00

PROPOSAL SCHEDULE					
ITEM NO.	**ITEM**	**APPROX. QUANTITY**	**UNIT**	**UNIT PRICE**	**AMOUNT**
621.0400	Monitoring of Invasive Species Before and After Construction	LS	LS	LS	$_____
621.0500	Post-Construction Inventory Prior to Returning the Site to the State	LS	LS	LS	$_____
622.1000	Roadway Lighting System	LS	LS	LS	$_____
622.2000	HECO Costs	FA	FA	FA	$6,225.00
622.3000	HDOT Light Grid Consultant Costs	FA	FA	FA	$2,100.00
623.1000	Communication System	LS	LS	LS	$_____
624.1000	Fire Hydrant Water System A	LS	LS	LS	$_____
624.2000	Fire Hydrant Water System B	LS	LS	LS	$_____
624.3000	Fire Hydrant Water System C	LS	LS	LS	$_____
624.4000	Temporary 12-inch Water System	LS	LS	LS	$_____
624.5000	Adjusting Water Meter Frame and Cover	6	Each	$_____	$_____
626.1000	Adjusting Water Manhole Frame and Cover	6	Each	$_____	$_____
626.2000	Adjusting Water Standard Valve Box	9	Each	$_____	$_____
627.1000	Cathodic Protection System	LS	LS	LS	$_____

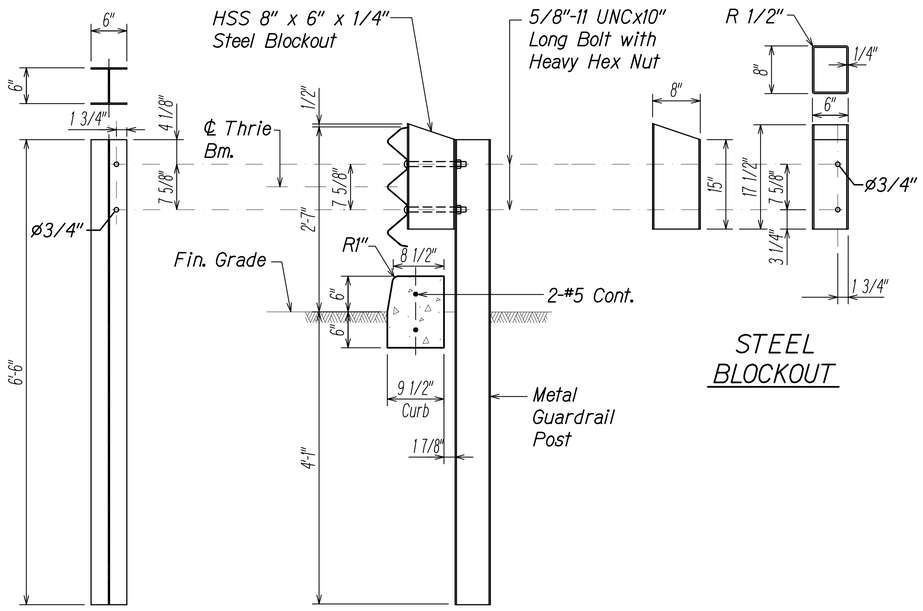
PROPOSAL SCHEDULE					
ITEM NO.	**ITEM**	**APPROX. QUANTITY**	**UNIT**	**UNIT PRICE**	**AMOUNT**
629.1000	White, 6-inch Pavement Striping (Tape, Type I, or Thermoplastic)	4,395	LF	$_____	$_____
629.1010	Yellow, Double 4-Inch Pavement Striping (Tape, Type I, or Thermoplastic)	6,010	LF	$_____	$_____
629.1020	White, 12-Inch Pavement Striping (Tape, Type III, or Thermoplastic)	25	LF	$_____	$_____
629.1030	Yellow, 12-inch Pavement Striping (Tape, Type III, or Thermoplastic)	495	LF	$_____	$_____
629.2000	Type C Pavement Marker	107	Each	$_____	$_____
629.2010	Type D Pavement Marker	60	Each	$_____	$_____
629.2020	Type H Pavement Marker	90	Each	$_____	$_____
629.2030	Type F Pavement Marker	3	Each	$_____	$_____
631.1000	Regulatory Sign and Post (10 Square Feet or Less)	5	Each	$_____	$_____
631.1010	Relocation of Existing Sign Installed on New Post	3	Each	$_____	$_____
631.1020	Relocation of Existing Sign	6	Each	$_____	$_____
632.1000	Type II Object Marker	10	Each	$_____	$_____
632.1010	Type III Object Marker	4	Each	$_____	$_____
632.1020	Flexible Delineator Post and Reflectors	17	Each	$_____	$_____

PROPOSAL SCHEDULE					
ITEM NO.	**ITEM**	**APPROX. QUANTITY**	**UNIT**	**UNIT PRICE**	**AMOUNT**
636.1000	Additional E-Construction Programs, Additional License or Additional Equipment	FA	FA	FA	$10,000.00
638.1000	Curb, Type 2D	123	LF	$_____	$_____
640.1000	Concrete Spillway No. 1	1	Each	$_____	$_____
640.1010	Concrete Spillway No. 2	1	Each	$_____	$_____
641.0100	Hydro-Mulch Seeding	LS	LS	LS	$_____
641.0200	Additional Hydro-Mulch Seeding Applications	FA	FA	FA	$15,000.00
642.1000	Maintenance of Existing Landscape	FA	FA	FA	$30,000.00
645.1000	Traffic Control	LS	LS	LS	$_____
645.2000	Additional Police Officers, Additional Traffic Control Devices, and Advertisement	FA	FA	FA	$50,000.00
648.1000	Field Posted Drawings	LS	LS	LS	$_____
652.1000	Grass Pavers	19,235	SF	$_____	$_____
655.0100	Dumped Riprap	600	CY	$_____	$_____
655.0200	Dumped Riprap Cushion Layer	55	CY	$_____	$_____
671.1000	Protection of Endangered Species	FA	FA	FA	$25,000.00

PROPOSAL SCHEDULE					
ITEM NO.	**ITEM**	**APPROX. QUANTITY**	**UNIT**	**UNIT PRICE**	**AMOUNT**
694.1000	Public Education Materials or Services	FA	FA	FA	$20,000.00
695.1000	Just-In-Time Training	LS	LS	LS	$_____
696.1000	Maintenance of Trailer	FA	FA	FA	$60,000.00
696.2000	Field Office Trailer (Not to Exceed $32,000.00)	LS	LS	LS	$_____
699.1000	Mobilization (Not to Exceed 6 Percent of the Sum of All Items Excluding Bid Price of This Item)	LS	LS	LS	$_____
	Total Amount for Comparison of Bids				$ _____

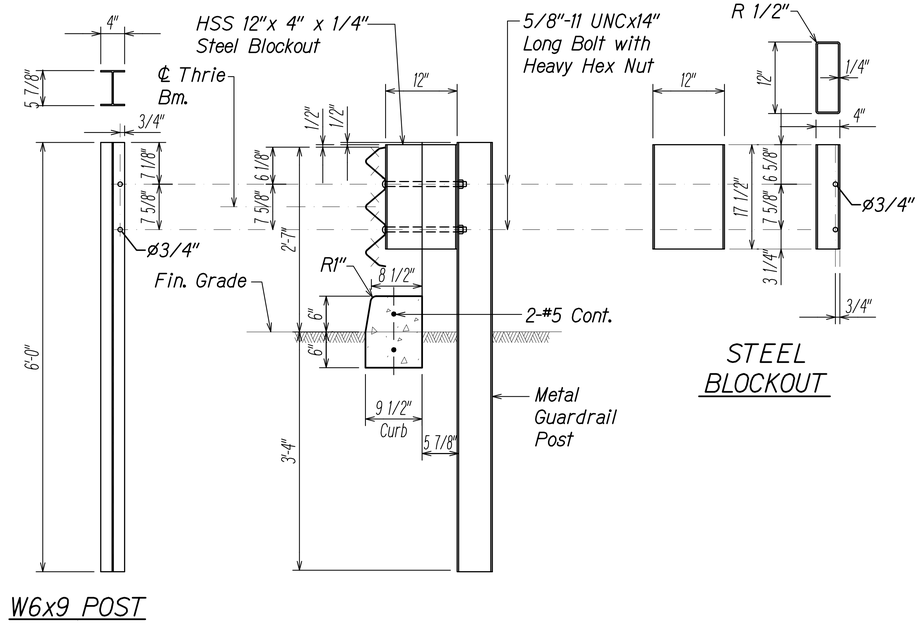
NOTE: Bidders must complete all unit prices and amounts. Failure to do so may be grounds for rejection of bid.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83B-01-09	2023	184	231



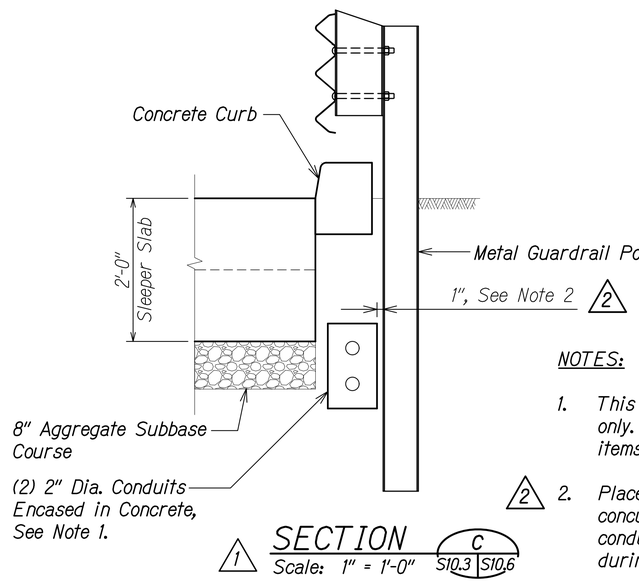
W6x15 POST

SECTION A
Scale: 1" = 1'-0"
S10.3 | S10.6



W6x9 POST

SECTION B
Scale: 1" = 1'-0"
S10.3 | S10.6



1 SECTION C
Scale: 1" = 1'-0"
S10.3 | S10.6

NOTES:

1. This condition occurs on the mauka side of the structure only. The Contractor shall coordinate the placement of various items to ensure proper installation.
2. Placement of metal guardrail posts may need to be performed concurrently with the placement of the concrete encased conduits. The location of these conduits shall be coordinated during the construction of the utility beam.

DATE	REVISION
10/2/23	2 Addendum 5 Add Note
9/19/23	1 Addendum 3 New Section

RUSS S. MIYAHARA
LICENSED PROFESSIONAL ENGINEER
NO. 9444-S
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE — EXPIRATION DATE OF THE LICENSE: 4-30-24

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

METAL GUARDRAIL TYPE 3 THRIE BEAM SECTIONS AND DETAILS

KAMEHAMEHA HIGHWAY DRAINAGE AND SAFETY IMPROVEMENTS
Vicinity of Laniakea Beach (MP 3.06 to MP 3.54)
Project No. 83B-01-09

Scale: As Noted — Date: December 2022

SHEET No. S10.6 OF 7 SHEETS

ADD. 184

ORIGINAL PLAN | SURVEY PLOTTED BY | DRAWN BY | TRACED BY | DESIGNED BY | QUANTITIES BY | CHECKED BY | DATE

No. | NOTE BOOK

DRAWING NAME: Z:\00 ONGOING\00 JF PROJECTS\22-015.1 KAM HWY LANIAKEA\01 CAD\09-29-23 ADD5\KHP-S1005 GRAIL DTLS ADD5.DWG PLOT TIME: 09-29-23, 9:51 AM)

Kamehameha Highway Drainage and Safety Improvements
Vicinity of Laniakea Beach
Project No. 83B-01-09
Addendum **No.** 5 Date:10/**5**/2023

RFI #	Description	Response
1	Does Proposal Item 202.0700 Removal Of Existing Fence include the removal of existing wooden fence, existing chain link fence, existing barbed wire fence, and all other existing fence? Proposal quantity seems low if removal of all existing fence falls under this item.	Yes. Proposal Schedule revised to 800 L.F.
2	Referencing spec section 511.03 (G): please clarify if use of slurry is required	Do not use slurry. Use temporary casing as stated in notes on sheets S8.1 and S8.5.
3	Referencing spec section 511.03 (J): clarify if CSL testing is required for all shafts	Yes, CSL Testing required for all shafts.
4	Referencing spec section 511.03 (K). for bidding purposes, how much concrete overage should be accounted for?	Recommend using concrete overage of 150% for the bidding.
5	Referencing spec section 511.03 (N) please clarify which shafts shall be cored for integrity testing, and to what depths.	The shafts to be cored will be determined by the Geotechnical Engineer based on field observations and CSL test results.
6	Is Proposal Item 415.1000 Cold Planing just for pavement transitions per the Pavement Transition Detail on Plan Sheet 53? Or are there other areas to be cold planed?	Yes, only for the pavement transition areas
7	Note 1 on Plan Sheet 50 states "Dumped Riprap: Class 4 Stone". What is the gradation and size of the stone for Class 4 Stone? What spec is this referring to?	1) D50 15-inch rock, 2) Spec section 655.02
8	Please confirm if a Builder's Risk Insurance policy is required for full replacement value of the project work.	Confirmed, Per Section 107(1)(B)(4).
9	What are the work hours for this project? Is night and weekend work allowed?	The Contractor may schedule their work during normal working hours: M-F 7:00 AM to 6:00PM, Sat 9:00 AM to 6:00pm. A noise variance for night work has been submitted to the Department of Health to allow work between 6:00 PM and 7:00 AM as needed to tie-in the new roadway to the existing highway and for the bridge deck pour. Issuance of the Noise Variance is pending.