STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ADDENDUM NO. 2

FOR

KUHIO HIGHWAY
EMERGENCY SLOPE STABLIZATION IN THE VICINITY OF KALIHIWAI BRIDGE

FEDERAL-AID PROJECT NO. ER-16(003)

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

A. NOTICE TO BIDDERS

Prospective bidders are hereby notified that receiving of sealed bids scheduled for October 31, 2019 is hereby POSTPONED until November 7, 2019 at 2:00 P.M. The attached NOTICE TO BIDDERS dated R10/18/19 shall be incorporated and made a part of the NOTICE TO BIDDERS.

B. SPECIAL PROVISIONS

1. Delete TABLE OF CONTENTS dated 7/6/15 and replace it with the attached TABLE OF CONTENTS dated r10/18/19.

2. Add and make a part of the SPECIAL PROVISIONS, SECTION 615 – MILLED RUMBLE STRIPS dated r10/18/19.

3. Delete SECTION 670 – DRAPED WIRE MESH dated 7/24/19 and replace it with the attached SECTION 670 – DRAPED WIRE MESH dated r10/18/19.

4. Delete SECTION 675 – MOVABLE TEMPORARY ROCKFALL BARRIER dated 7/26/19 and replace it with the attached SECTION 675 – MOVABLE TEMPORARY ROCKFALL BARRIER dated r10/18/19.

5. Add and make a part of the SPECIAL PROVISIONS, SECTION 750 – TRAFFIC CONTROL SIGN AND MARKER MATERIALS dated 10/7/16.

6. Delete FEDERAL WAGE RATES dated 07/26/2019 and replace it with the attached FEDERAL WAGE RATES dated 10/18/2019.

C. PROPOSAL SCHEDULE

1. Delete PROPOSAL SCHEDULE pages P-8 through P-10 dated 07/24/19 and replace them with the attached PROPOSAL SCHEDULE pages P-8 through P-10 dated r10/18/19.

D. PLANS

1. Delete Plan Sheet Nos. 3, 13, 14, 20, and 35 and replace them with the attached Plan Sheet Nos. ADD. 3, ADD. 13, ADD. 14, ADD. 20, and ADD. 35.

2. Add and make a part of the PLANS, Plan Sheet No. ADD. 13 S-1.

The following are provided for information:

The attached Pre-Bid Meeting Minutes and signed Attendance Sheet are provided for you information.

The following responses to unanswered questions from the pre-bid conference are provided for your information.

Question #2: During lane closures, will HDOT allow stopped traffic to occupy the existing Kalihiwai Bridge deck?

Answer: Yes. Contractor's traffic control foreman will be monitoring the traffic throughout the work zone to ensure safety. Field adjustments will be implemented as needed.

Question #3: On Plan Sheet 14, note No. 16, it allows for one lane closed from 8:30 A.M. to 3:30 P.M. Can HDOT confirm this?

Answer: Lane closure restrictions are provided on Plan Sheet No. ADD. 14, Note 16.; and in Special Provisions Subsection 645.03(F).

Question #4: Can the Contractor utilize the makai widened paved area (currently shielded by guardrail) of Kuhio Highway as a staging area?

Answer: No. However, upon receiving Contractor's written request, HDOT will allow use of the nearby HDOT maintenance staging area, makai side of Kuhio Highway. It should be noted that HDOT has secured right of entry and easements with selected private property owners uphill of the slope in order to facilitate Contractor's and State representatives' vehicle and equipment ingress and egress to the

work sites, and to provide staging areas, without adversely affecting traffic on Kuhio Highway.

Question #7: For how long can the "bare" slope remain after clearing of trees and rock scaling, until wire mesh is installed?

Answer: Wire mesh installation shall start no later than one week after clearing and grubbing. See Special Provision Subsection 670.03(A).

Question #9: Is this project federally funded? Is "Buy America" required? What about for the movable temporary rockfall barrier?

Answer: This project is federally funded and "Buy America" is required. See Special Provision Subsection 675.03.

The following responses to Contractor RFI's are provided for your information.

1. Please provide Right of Entry Agreements with land owners located above the project.

   HDOT will provide Right of Entry Agreements to the selected Contractor following contract award.

2. Please clarify access routes to top of project as sheet C-3 is not clear on access.

   There are two access routes to top of project; Construction Parcels 2 and 3, as shown on Plan Sheet No. 11.

3. Sheet 11 calls out several different Construction Parcels. Please provide information for what each of these parcels can be used for.

   Construction Parcel 1-A: For access and work area to top part of slope. Staging for longer than 30 days is not permitted in this area.

   Construction Parcels 1-B & 1-C: For staging, access and work area to top part of slope.

   Construction Parcels 2 & 3: For construction access only. No staging is allowed, the driveway needs to remain clear for vehicle access.

4. Please provide available staging area as these are not shown on the plans.

   Staging areas are allowed in the following areas:
   - *Construction Parcels 1-B & 1-C*

- *Makai side of Kuhio Highway. HDOT will provide Contractor with gate key to its staging area.*

5. There is currently centerline rumble strip installed on the highway at the project location, yet project plans and specifications do not call for new rumble strip. Please confirm this will be required and provide pay item and specification.

   Rumble Strip has been added. See Plan Sheet No. ADD. 13, and rumble strip details on Plan Sheet No. ADD. 13S-1. See added Section 615 - MILLED RUMBLE STRIPS and revised Proposal Schedule.

6. The Proposal Schedule has item 607.3000 for chain link gates but none are shown on the plans. Please provide location of chain link gates if these are to be installed.

   See Section 607 – Chain Link Fences and Gates.

7. There are several existing W1-8 Chevron Alignment signs behind the existing portable metal barrier that are not shown on sheet SS-2. Please confirm these signs are to remain.

   All W1-8 Chevron signs behind the existing portable metal barriers including their posts and foundations, shall be removed with the portable metal barrier. Payment shall be considered incidental to the various payment items.

8. Plan Sheet No. 3, Note 29, states: "Road closures are required for the act of tree felling where there is a risk to road users." Special Provisions Subsection 645.03(F) only allows for lane closures for barrier work, paving work and pavement marker work. Please confirm that lane closures will be acceptable per sheet N-2, note 29, for tree felling work.

   Note 29 on Plan Sheet No. 3 has been revised. See Plan Sheet No. ADD. 3.

9. In regard to the temporary, movable rockfall barrier. Does the steel for this barrier need to meet the Buy America requirements of this Federally funded project? (It is our understanding that if the contractor keeps the barrier after the project, the requirements should be open to imported steel. If Hawaii DOT will be keeping the barrier, paid for with the Federal funds, the barrier must meet the Buy America requirements with US Made and Melted steel.)

   Yes, the temporary, movable rockfall barrier needs to meet the Buy America requirements.

10. Regarding pinned slope protection, Section 672 – Anchored Wire Mesh System, 672.02 Material, paragraph (A) High Strength Wire Mesh is a closed specification for GeoBrugg 4mm Tecco mesh. Macccaferri requests Hawaii

DOT approve as alternate the Maccaferri SteelGrid HR20 composite cable/wire mesh for the 14,200 square feet of Anchored Wire Mesh.

Maccaferri SteelGrid HR20 is not approved as an alternate for the following reasons:

1. *Maccaferri SteelGrid HR20 is not specified black in color.*
2. *Maccaferri SteelGrid HR20 spike plates do not indicate the required corrosion protection information.*
3. *End caps with corrosion protection at each anchor are not provided.*
4. *The diameter of the anchor bar does not meet the required specifications. In addition, the grade of the anchor bar is not provided.*
5. *Maccaferri SteelGrid HR20 anchor borehole diameter and length do not meet the required specifications.*
6. *Maccaferri SteelGrid HR20 minimum pullout force does not meet the required specifications.*

Other anchored wire mesh systems will be considered, provided it meets the requirements in the project documents. See HDOT Standard Specifications Subsection 106.13 - Substitution of Materials and Equipment After Bid Opening.

11. The drapery top boundary cable has an out of date planset for the Top Anchor Connection Detail, Sheet G-4.3. The plans indicate that for every anchor (which is spaced 20 feet on-center), we would have stainless steel thimbles, stainless steel wire rope clips, and stainless steel rings. Maccaferri will bid as the plans dictate, but it is our feeling that there is no need for that many connection points, as it does not make the system any more safe or durable.

    The Contractor shall base its bid on the contract documents.

12. Plans are not clear on the Anchored Wire Mesh Details – 1, Sheet No G-4.4, what is the overlap of the upper area simple drapery over the lower area pinned drapery? Maccaferri feels that it is not a good idea to release the rockfall debris from the upper area onto the top of the pinned drapery. We suggest the upper simple drapery extend down to at least 5-feet above the bar ditch on the shoulder of the road.

    It is shown clearly that the anchored wire mesh is overlain by the draped wire mesh on Sheet G-1.1. The Contractor shall base its bid on the contract documents.

13. The details for the tree cutouts are made specifically for TECCO mesh, where the mesh is single-twist product and can unravel. The detail is not needed for a Maccaferri product. Would like HDOT to clarify in the addendum the double

twisted product (composite cable/wire mesh or double twisted wire mesh only) does not require the elaborate 0.375-inch boundary rope with all the additional wire rope clips.

Alternate tree cutout details will be considered by the Engineer, provided it does not reduce the integrity of the mesh. See HDOT Standard Specifications Subsection 106.13 - Substitution of Materials and Equipment After Bid Opening.

Please acknowledge receipt of this Addendum No. 2 by recording the date of its receipt in the space provided on page P-4 of the Proposal.

JADE T. BUTAY
Director of Transportation

NOTICE TO BIDDERS

The receiving of sealed bids for **KUHIO HIGHWAY, EMERGENCY SLOPE STABILIZATION IN THE VICINITY OF KALIHIWAI BRIDGE, FEDERAL-AID PROJECT NO. ER-16(003), DISTRICT OF HANALEI, ISLAND OF KAUAI,** at the Contracts Office, Department of Transportation, 869 Punchbowl Street, Honolulu, Hawaii 96813 or the Office of the District Engineer – Kauai, 1720 Haleukana Street, Lihue, Hawaii 96766, scheduled for 2:00 P.M., October 31, 2019, is hereby POSTPONED UNTIL 2:00 P.M., November 7, 2019, at which time and place they will be publicly opened and read.

JADE T. BUTAY
Director of Transportation

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Make the following Section a part of the Standard Specifications:

"SECTION 615 – MILLED RUMBLE STRIPS

615.01 Description. This section describes constructing centerline, shoulder, and edgeline Milled Rumble Strips (MRS) in HMA pavement.

615.02 Materials. None.

615.03 Construction.

(A) Submittal. Method of constructing the milled rumble strip shall be submitted to the Engineer for acceptance. Meeting shall be scheduled 14 days before start of construction work. Discuss sequence of work plans, and proposal for dust control.

(B) Equipment. Milling equipment shall be equipped with a rotary-type cutting head with cutting tips arranged in a pattern as to provide a relatively smooth cut, approximately 1/16 inches between peaks and valleys.

The cutting head(s) shall be on a suspension independent from the power unit to allow the head(s) to self-align with surface slopes and irregularities.

The machine shall have a guidance system that provides consistent alignment of each cut in relation to the roadway and provide uniformity and consistency throughout the project.

(C) Longitudinal Spacing. The Milled Rumble Strips (MRS) shall be placed perpendicular to the roadway with longitudinal spacing as follow:

Centerline MRS: 20 inch on-center

The 20 inch on-center longitudinal spacing for Centerline MRS is designed to accommodate various centerline pavement striping and raised pavement marker configurations. It will allow placement of raised pavement markers between the concave depressions.

(D) Milling Operations. Clean pavement surface before constructing the rumble strips. Mill the concave depressions to the dimensions shown in the plans.

Align the concave depressions as shown in the plans. Alignment of milled rumble strips shall not deviate from the plans more than ± 2 inches.

After the concave depressions are milled into the pavement surface, use a power broom or sweeper/vacuum to collect the waste material resulting

from the milling operations. Seal the entire surface of milled rumble strips with emulsified asphalt. Refer to Section 407 – Tack Coat for material specification and application procedure.

Contractor shall dispose the waste material as directed by the Engineer at no increase in contract price or contract time.

615.04 Measurement. The Engineer will measure rumble strips per linear foot in accordance with the contract documents.

615.05 Payment. The Engineer will pay for the accepted milled rumble strip at the contract price per pay unit, as shown in the proposal schedule. Payment will be full compensation for the work prescribed in this section and the contract documents

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

Pay Item	**Pay Unit**
16-Inch Milled Rumble Strip, Centerline	Linear Foot"

END OF SECTION 615

Make the following Section a part of the Standard Specifications:

"SECTION 670 – DRAPED WIRE MESH

670.01 Description. This section is for constructing a draped wire mesh on the slope according to the contract.

670.02 Materials. Materials for the draped wire mesh shall be of non-raveling construction and shall consist of a uniform triple twisted hexagonal mesh of zinc-coated steel wire. The zinc-coated wire core shall have a diameter of approximately U.S. Gage 12. The wires used in the fabrication of the netting shall comply with or exceed Federal Specifications QQ-W-461H, possessing soft tempered tensile strength of 70,000 psi as specified in ASTM A 641, Class 3 coating and a PVC coating (black color matte finish) extruded onto the wire core with zinc coating before weaving the coated wire into a triple twisted hexagonal mesh having uniform approximate openings of 3¼ inches by 4½ inches or smaller.

The overall diameter (zinc-coated wire core plus PVC coating) of the rockfall protection netting (draped wire mesh and modified draped wire mesh) shall be 0.1363 inches. Selvedge wire shall be of heavily zinc-coated wire core of 0.1338 inches in diameter (approximately U.S. Gage 10), coated with PVC and having an overall diameter (zinc-coated wire core plus PVC coating) of 0.1368 inches. Lacing wire, where required, shall be of heavily zinc-coated wire core of 0.0866 inches in diameter (approximately U.S. Gage 13-1/2), coated with PVC and having an overall diameter (zinc-coated wire core plus PVC coating) of 0.1166 inches. The above wire diameters are subject to a tolerance limit of 0.004 inches according to ASTM A 641.

Alternately, draped wire mesh of non-raveling construction and consist of a uniform diamond-shaped mesh of zinc/aluminum-coated steel wire may be used. The zinc/aluminum-coated wire core shall have a diameter of approximately 0.079 inch. The wire shall be alloyed high strength carbon steel wire with a minimum tensile strength of 256 ksi. The wire shall be galvanized with a zinc/aluminum coating with a minimum weight of 0.35 oz/ft^2 and powder coated black in color matte finish.

A. PVC (Polyvinyl Chloride) Coating. The protective PVC plastic coating shall be suitable to resist deleterious effects of natural weather exposure, immersion in salt water, and shall not show material difference in its initial physical properties. The initial properties are as follows:

(1) Specific Gravity of 1.30 to 1.35 kg/dm^3 according to ASTM D 792.

(2) Durometer Hardness shall be 50 to 60, Shore D according to ASTM D 2240.

(3) Volatile Loss (ASTM D 1203) ISO 176-1976 at 105°C for 24 hours shall be a maximum of 2% and at 105°C for 240 hours shall be a maximum of 6%.

(4) Tensile Strength shall not be less than 210 kg/cm^2 according to ASTM D 412.

(5) Elongation shall not be less than 200% and not be higher than 280% according to ASTM D 412.

(6) Modulus of Elasticity at 100% elongation shall not be less than 190 kg/cm^2 according to ASTM D 412.

(7) Abrasion weight loss shall not be more than 0.19 grams according to ASTM D 1242.

(8) Cold Bend Temperature shall not be higher than -30° according to BS 2782-104A (1970).

(9) Cold Flex Temperature shall not be higher than +15°C according to BS 2782-150B (1976).

(10) Creeping corrosion penetration of corrosion of the wire core from a square cut end shall be 25 mm when the specimen has been immersed for 2,000 hours in a 50% solution of HCL (Hydrochloric Acid 12 Be).

(11) Accelerated aging tests and properties after aging tests.

(a) Salt spray test according to ASTM B 117 with a test period of 1,500 hours.

(b) Exposure to ultraviolet light shall be according to ASTM D 1499 and ASTM G 23, Apparatus E, with a test period of 2,000 hours at 63°C.

(c) Exposure to high temperature according to ASTM D 1203 (ISO 176-1976) and ASTM D 2287 with a test period of 240 hours at 105°C.

(d) The vinyl coating shall not crack, blister, or split and shall not show remarkable change in color after aging tests.

(e) Specific gravity of the PVC coating shall not show change higher than 6% of its initial value after aging tests.

(f) Durometer hardness shall not show change higher than 10% of its initial value after aging tests.

(g) Tensile strength shall not show a change higher than 25% of its initial value after aging tests.

(h) Elongation shall not show change higher than 25% of its initial value after aging tests.

(i) Modulus of Elasticity shall not show change higher than 25% of its initial value after aging test.

(j) Resistance to abrasion shall not show change higher than 10% of its initial value.

(12) Brittleness Temperature. Cold bend temperature shall not be higher than -20°C after aging tests. Cold flex temperature shall not be higher than +18°C after aging tests.

(13) Durometer Hardness shall be 50 to 60, Shore D according to ASTM D 2240.

(B) Mesh Deformation. The wire mesh shall have deformability sufficient to permit a minimum mesh elongation equivalent to ten percent (10%) of the unstretched length of the mesh test. Mesh deformation shall not reduce the gauge or tensile strength of the individual wire strands to values less than those for similar wire one gauge smaller in diameter after aging tests.

(C) Miscellaneous Steel Hardware. No. 9 gage tie wire shall conform to ASTM A 112 with Class A coating and shall be PVC coated.

670.03 Construction Requirements.

(A) General. Installation of rockfall protection netting (draped wire mesh) shall commence no later than one week after completion of slope scaling in the specified limits of work. Install the rockfall protection netting (draped wire mesh) in accordance with the contract requirements or as specified by the Engineer. The Engineer will determine the final locations and the limits of the

rockfall protection netting (draped wire mesh) in the field during construction after a review and/or inspection of the site conditions with the scaling supervisor. The Contractor shall provide a temporary 0.5-inch wire rope onto two adjacent grouted rock anchors to serve as a 'life line' for the State's personnel during the inspection of the work. Install and move the 'life line' as directed by the Engineer.

The Contractor shall submit to the Engineer shop drawings providing details of the grouted rock anchor (including lateral anchor and bottom anchor) assembly and tagline connection details based on the manufacturer's recommendations for review and approval. The Engineer shall have a minimum of 20 working days after receipt of the submittal to review and provide comments to the submittal.

The Contractor shall submit to the Engineer details of the rockfall protection netting (draped wire mesh) and associated hardware including the pertinent technical data, shop drawings, samples of the materials, and color(s) of the netting matching as closely the color(s) of the slope for selection and approval by the Engineer prior to placing an order for the rockfall protection netting (draped wire mesh). The Engineer shall have a minimum of 20 working days after receipt of the submittal to review and approve the submittal. The Contractor shall not place an order for the rockfall protection netting (draped wire mesh) until written approval of the submittal is received from the Engineer.

(B) Drilled Holes. Drill the holes for the grouted rock anchors (including the lateral anchors and bottom anchors) according to the dimensions (diameter and depths) shown in the Contract Documents. The Contractor shall submit deviations from the dimensions shown on the Contract Documents for acceptance by the Engineer. The Engineer will not permit blasting for installation of the drilled holes.

If during the course of the drilled hole installation, the Contractor encounters unstable slope conditions that may constitute a potential rockfall hazard, immediately stop drilling and notify the Engineer.

(C) Grouted Rock Anchor (including top anchors and bottom anchors). Thread the steel rock anchor for the grouted rock anchors (including the top anchors and bottom anchors) with the standard threads on the exposed end only. The steel rock

anchor for the grouted rock anchors shall be ASTM A 615, Grade 75. Furnish each grouted rock anchor (or lateral anchor and bottom anchor) complete with hardware for the tagline connection or lateral anchor connection as shown on the Contract Documents including all necessary hardware, such as the following:

(1) Two 8 inch square by 0.375 inch thick steel plates (ASTM A 36) for the grouted rock anchor and bottom anchor or two 8 inch square by 0.375 inch thick steel plates (ASTM A 36) for the lateral anchor;

(2) Two heavy hex nuts (ASTM A 563, Grade A);

(3) One washer (ASTM F 436);

(4) Two heavy duty wire rope thimbles;

(5) One 6 inch inside diameter, 1.375 inch thick steel ring (ASTM A 572, Grade 42) for the top anchors only;

(6) All necessary wire rope clips (or cable clamps) (ASTM A 307).

Zinc-coat all metal parts, with the exception of stainless steel parts, according to Subsection 712.10 – Zinc-Coating.

(D) Proof Testing of Grouted Rock Anchors and Lateral Anchors. Perform proof testing of grouted rock anchors and lateral anchors on a minimum of 20 percent of the total number of grouted rock anchors (including lateral anchors). Proof testing of the bottom anchors will not be required. Perform the proof tests on anchors selected by the Engineer. Do not perform the proof testing until the grout for the anchor has cured for at least 72 hours and attained at least the specified 3-day compressive strength. Testing in less than 72 hours will only be allowed if the Contractor submits compressive strength test results, for tests performed by a qualified independent test lab, verifying that the anchor grout mixes being used will provide the specified 3-day compressive strengths in the lesser time.

Testing equipment shall include dial gauges, dial gauge support, jack and pressure gauge, electronic load cell, and a reaction frame. Provide description of test setup and jack, pressure gauge, and load cell calibration curves for review and approval by the Engineer. Measure the anchor head movement with a dial gauge capable of measuring up to 0.001 inches. The dial gauge shall have a travel

sufficient to allow the test to be done without having to reset the gauge. Visually align the gauge to be parallel with the axis of the anchor and support the gauge independently from the jack or reaction frame.

Proof test shall be performed by incrementally loading the anchor to a maximum test load of 133 percent of the pullout capacity indicated on the Contract Documents. The anchor head movement at each load shall be measured and recorded by the Engineer. The test load shall be monitored by a load cell or a jack pressure gauge with a sensitivity range meeting the requirements of pressure gauges used on the project. At load increments other than maximum test load, the load shall he held long enough to obtain a stable reading. Incremental loading for proof tests shall be in accordance with the following load schedule. The anchor head movements shall be recorded at each load increment.

PROOF TEST LOADING SCHEDULE	
LOAD	**HOLD TIME**
AL (0.05-DTL maximum)	Until Stable
0.25 DTL	Until Stable
0.50 DTL	Until Stable
0.75 DTL	Until Stable
1.00 DTL	Until Stable
1.25 DTL	Until Stable
1.33 DTL (Max. Test Load)	60 minutes

The alignment load (AL) should be the minimum load required to align the testing apparatus and should not exceed 5 percent of the Design Test Load (DTL). The DTL is the pullout capacity indicated on the Contract Documents. Dial gauges should be set to "zero" after the alignment load has been applied. All load increments shall be maintained within 5 percent of the intended load. The creep period shall start as soon as the maximum test load is applied and the anchor head movement shall be measured and recorded at 1 minute, 2, 3, 5, 6, 10, 20, 30, 50, and 60 minutes.

(E) Wire Rope. Install and connect the top anchor cable (horizontal wire rope) and stability cables (at the bottom and sides of the draped wire mesh) by steel U-bolts and nuts (wire rope clips or cable clamps) as shown in the Contract Documents and as specified by the Engineer. The amount of wire rope to turn back, the number of U-bolts and nuts, and the spacing between adjacent U-bolts and nuts shall be in strict accordance with the wire rope manufacturer's recommendations.

(F) Draped Wire Mesh. Before installing the draped wire mesh, the slope faces designated for slope scaling shown on the Contract Documents shall be scaled and cleaned of loose rocks and other materials. Overlap the draped wire mesh as shown in the Contract Documents at the selvedge edges of the adjacent netting panels and at the top and bottom overlapping. Tie the netting tightly to the top anchor cable (wire rope cable) and stability cables (at the sides and bottom of the draped wire mesh) as shown in the Contract Documents.

Movable temporary rockfall barrier shall be in-place during installation of the draped wire mesh at the specific times indicated on the Contract Documents only. The Contractor shall protect the traffic on the highway from any rockfall or other hazards at all times during the Contractor's activities.

Install the wire rope and heavy-duty type wire rope thimbles according to the manufacturer's recommendations. The heavy-duty type thimbles shall be of the size recommended by the manufacturer of the wire rope (minimum 2.5 inch seat diameter). Zinc-coat the heavy-duty thimbles according to Subsection 712.10 – Zinc-Coating.

670.04 Measurement. The Engineer will measure the draped wire mesh per square feet of actual finished surface excluding additional netting required for overlapping.

670.05 Payment. The Engineer will pay for the accepted draped wire mesh at the contract unit price per square feet complete in place. The price includes full compensation for furnishing and installing the materials including the grouted rock anchors (top and bottom anchors) including the steel rock anchor, steel plate, hex nuts and washer, heavy-duty wire rope thimbles, steel rings, stainless steel sleeve (swage), wire rope clips (or cable clamps); zinc-coating the steel rock anchor and all hardware, PVC coating on the draped wire mesh and tie wire, stainless steel ring fasteners, stability cables, and furnishing labor, materials, tools, equipment and incidentals necessary to complete the work. Movable temporary rockfall barrier during installation of the draped wire mesh as specified in the Contract Documents will not be measured nor paid for separately and will be considered incidental to the unit price item.

Pay Item	Pay Unit
Draped Wire Mesh	Square Feet"

END OF SECTION 670

Make the following Section a part of the Standard Specifications:

"SECTION 675 – MOVABLE TEMPORARY ROCKFALL BARRIER

675.01 Description. This section describes construction of a movable temporary rockfall barrier.

675.02 Materials. Materials shall be provided as shown in the shop drawings.

675.03 Construction Requirements. The Contractor shall submit calculations and shop drawings for a movable temporary rockfall barrier, both shall be stamped by a licensed Hawaii structural engineer.

The barrier shall have a minimum 15.5 feet vertical clearance over the roadway, minimum 120 feet long, and extend horizontally from the mauka existing shoulder area to the edge of pavement of the existing Hanalei-bound lane. The vertical portion and the wheels shall be located in the mauka existing shoulder area.

The barrier shall be designed to protect the traffic on the roadway and the public from rockfall, displaced material or debris generated by the construction and ongoing slope scaling work.

The barrier may be fabricated by using a ring net, cable net system, or other systems at the option of the Contractor's design engineer capable of handling 74 foot-tons of impact energy.

The barrier shall be in-place whenever tree clearing and slope scaling work is being done.

Upon receiving written directive by the Engineer, the Engineer reserves the right to take possession of the movable temporary rockfall barrier. The Contactor shall transport the movable temporary rockfall barrier to a specified location by the Engineer at no cost to the Engineer.

675.04 Measurement. Movable temporary rock fall barrier will be paid on a lump sum basis. Measurement for payment does not apply.

675.05 Payment. The Engineer will pay for the accepted moveable temporary rockfall barrier on a contract lump sum basis. Payment will be full compensation for the work prescribed in this section and the contract documents.

Pay Item	Pay Unit
Movable Temporary Rockfall Barrier	Lump Sum

The Engineer will not pay for placement, relocation, and final removal and disposal of the movable temporary rockfall barrier separately and will consider the cost for placement, relocation, and final removal and disposal of the movable temporary rockfall barrier as included in the lump sum price for Movable Temporary Rockfall Barrier."

END OF SECTION 675

SECTION 750 – TRAFFIC CONTROL SIGN AND MARKER MATERIALS

Make the following amendments to said Section:

(I) Amend **Subsection 750.01(A)(1) Retroreflectorization** by replacing lines 8 through 31 to read:

"**(1) Retroreflectorization.** The following shall be retroreflectorized:

(a) Background for illuminated guide signs and exit number panels ("E" designation) with ASTM D 4956 Type XI retroreflective sheeting.

(b) Background for non-illuminated guide signs and exit number panels ("D" designation) with ASTM D 4956 Type XI retroreflective sheeting.

(c) Messages, arrows, and borders of guide signs and exit number panels ("D" and "E" designations) with ASTM D 4956 Type XI retroreflective sheeting.

(d) Regulatory and warning signs, directional signs ("DIR" designation), route and auxiliary markers, shield symbols, yellow "EXIT ONLY" panels, construction warning signs, and barricade rails, completely, with Type III, IV, or IX retroreflective sheeting.

(e) Pedestrian, school, bicycle crossing series, completely with Type IX fluorescent yellow green retroreflective sheeting."

(II) Amend **Subsection 750.01(B) Backing** by replacing lines 72 through 73 to read:

"Aluminum sheet shall conform to ASTM B 209, alloy 5052-H38 or 6061-T6 flat sheet."

(III) Amend **Subsection 750.01(E) Retroreflective Sheeting Materials** by replacing lines 1126 through 1137 to read:

"**(E) Retroreflective Sheeting Materials.** Retroreflective sheeting includes white or colored sheeting having smooth outer surface.

Retroreflective sheeting shall be classified in accordance with ASTM D 4956.

The coefficient of retroflection shall meet the minimum requirements of ASTM D 4956 for the type of reflective sheeting specified.

The color shall conform to the latest appropriate standard color tolerance chart issued by the U.S. Department of Transportation, Federal Highway Administration and to the daytime and nighttime color requirements of ASTM D 4956.

Test methods and procedures shall be in accordance with ASTM.

(IV) Amend **Subsection 750.02 Sign Posts** by replacing lines 1168 through 1172 to read:

"**750.02 Square Tube Posts.** Square and other tube posts shall conform to ASTM A 653 for cold-rolled, carbon steel sheet, commercial quality; or ASTM A 787 for electric-resistance-welded, metallic-coated carbon steel mechanical tubing."

END OF SECTION 750

"General Decision Number: HI20190001 10/18/2019

Superseded General Decision Number: HI20180001

State: Hawaii

Construction Types: Building, Heavy (Heavy and Dredging), Highway and Residential

Counties: Hawaii Statewide.

BUILDING CONSTRUCTION PROJECTS; RESIDENTIAL CONSTRUCTION PROJECTS (consisting of single family homes and apartments up to and including 4 stories); HEAVY AND HIGHWAY CONSTRUCTION PROJECTS AND DREDGING

Note: Under Executive Order (EO) 13658, an hourly minimum wage of $10.60 for calendar year 2019 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least $10.60 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2019. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth

in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/04/2019
1	01/18/2019
2	01/25/2019
3	02/01/2019
4	02/22/2019
5	03/01/2019
6	05/31/2019
7	07/26/2019
8	09/20/2019
9	10/04/2019
10	10/18/2019

ASBE0132-001 08/31/2015

	Rates	Fringes
Asbestos Workers/Insulator Includes application of all insulating materials, protective coverings, coatings and finishes to all types of mechanical systems. Also the application of		

firestopping material for wall openings and penetrations in walls, floors, ceilings and curtain walls	$ 39.65	23.50

BOIL0627-005 01/01/2013

	Rates	Fringes
BOILERMAKER	$ 35.20	27.35

BRHI0001-001 01/01/2019

	Rates	Fringes
BRICKLAYER		
Bricklayers and Stonemasons	$ 43.66	24.32
Pointers, Caulkers and Weatherproofers	$ 43.60	24.32

BRHI0001-002 09/04/2018

	Rates	Fringes
Tile, Marble & Terrazzo Worker		
Terrazzo Base Grinders	$ 39.89	28.11
Terrazzo Floor Grinders and Tenders	$ 38.34	28.11
Tile, Marble and Terrazzo Workers	$ 41.70	28.11

CARP0745-001 09/03/2018

	Rates	Fringes
Carpenters:		

Carpenters; Hardwood Floor Layers; Patent Scaffold Erectors (14 ft. and over); Piledrivers; Pneumatic Nailers; Wood Shinglers and Transit and/or Layout Man.....$ 49.45 21.75
Millwrights and Machine Erectors.....$ 49.70 21.75
Power Saw Operators (2 h.p. and over).....$ 49.60 21.75

CARP0745-002 09/03/2018

	Rates	Fringes
Drywall and Acoustical Workers and Lathers.....$	49.70	21.75

ELEC1186-001 08/26/2019

	Rates	Fringes
Electricians:		
Cable Splicers.....$	55.88	22.88
Electricians.....$	50.80	22.03
Telecommunication worker....$	31.69	12.49

ELEC1186-002 08/26/2019

	Rates	Fringes
Line Construction:		
Cable Splicers.....$	55.88	22.88
Groundmen/Truck Drivers.....$	38.10	19.93
Heavy Equipment Operators...$	45.72	21.19
Linemen.....$	50.80	22.03

Telecommunication worker....$ 31.69 12.49

ELEV0126-001 01/01/2019

	Rates	Fringes
ELEVATOR MECHANIC.....	$ 59.20	33.705

a. VACATION: Employer contributes 8% of basic hourly rate for 5 years service and 6% of basic hourly rate for 6 months to 5 years service as vacation pay credit.

b. PAID HOLIDAYS: New Year's Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, the Friday after Thanksgiving Day and Christmas Day.

ENGI0003-002 09/03/2018

	Rates	Fringes
Diver (Aqua Lung) (Scuba))		
Diver (Aqua Lung) (Scuba) (over a depth of 30 feet)...	$ 66.00	31.26
Diver (Aqua Lung) (Scuba) (up to a depth of 30 feet)..	$ 56.63	31.26
Stand-by Diver (Aqua Lung) (Scuba).....	$ 47.25	31.26
Diver (Other than Aqua Lung)		
Diver (Other than Aqua Lung).....	$ 66.00	31.26
Diver Tender (Other than Aqua Lung).....	$ 44.22	31.26
Stand-by Diver (Other than Aqua Lung).....	$ 47.25	31.26
Helicopter Work		
Airborne Hoist Operator		

for Helicopter	$ 45.80	31.26
Co-Pilot of Helicopter	$ 45.98	31.26
Pilot of Helicopter	$ 46.11	31.26
Power equipment operator - tunnel work		
GROUP 1	$ 42.24	31.26
GROUP 2	$ 42.35	31.26
GROUP 3	$ 42.52	31.26
GROUP 4	$ 42.79	31.26
GROUP 5	$ 43.10	31.26
GROUP 6	$ 43.75	31.26
GROUP 7	$ 44.07	31.26
GROUP 8	$ 44.18	31.26
GROUP 9	$ 44.29	31.26
GROUP 9A	$ 44.52	31.26
GROUP 10	$ 44.58	31.26
GROUP 10A	$ 44.73	31.26
GROUP 11	$ 44.88	31.26
GROUP 12	$ 45.24	31.26
GROUP 12A	$ 45.60	31.26
Power equipment operators:		
GROUP 1	$ 41.94	31.26
GROUP 2	$ 42.05	31.26
GROUP 3	$ 42.22	31.26
GROUP 4	$ 42.49	31.26
GROUP 5	$ 42.80	31.26
GROUP 6	$ 43.45	31.26
GROUP 7	$ 43.77	31.26
GROUP 8	$ 43.88	31.26
GROUP 9	$ 43.99	31.26
GROUP 9A	$ 44.22	31.26
GROUP 10	$ 44.28	31.26
GROUP 10A	$ 44.43	31.26
GROUP 11	$ 44.58	31.26
GROUP 12	$ 44.94	31.26
GROUP 12A	$ 45.30	31.26
GROUP 13	$ 42.22	31.26

GROUP 13A	$ 42.49	31.26
GROUP 13B	$ 42.80	31.26
GROUP 13C	$ 43.45	31.26
GROUP 13D	$ 43.77	31.26
GROUP 13E	$ 43.88	31.26

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Fork Lift (up to and including 10 tons); Partsman (heavy duty repair shop parts room when needed).

GROUP 2: Conveyor Operator (Handling building material); Hydraulic Monitor; Mixer Box Operator (Concrete Plant).

GROUP 3: Brakeman; Deckhand; Fireman; Oiler; Oiler/Gradechecker; Signalman; Switchman; Highline Cableway Signalman; Bargeman; Bunkerman; Concrete Curing Machine (self-propelled, automatically applied unit on streets, highways, airports and canals); Leveeman; Roller (5 tons and under); Tugger Hoist.

GROUP 4: Boom Truck or dual purpose ""A"" Frame Truck (5 tons or less); Concrete Placing Boom (Building Construction); Dinky Operator; Elevator Operator; Hoist and/or Winch (one drum); Straddle Truck (Ross Carrier, Hyster and similar).

GROUP 5: Asphalt Plant Fireman; Compressors, Pumps, Generators and Welding Machines (""Bank"" of 9 or more, individually or collectively); Concrete Pumps or Pumpcrete Guns; Lubrication and Service Engineer (Grease Rack); Screedman.

GROUP 6: Boom Truck or Dual Purpose ""A""Frame Truck (over 5 tons); Combination Loader/Backhoe (up to and including 3/4 cu. yd.); Concrete Batch Plants (wet or dry); Concrete Cutter, Groover and/or Grinder (self-propelled unit on streets, highways, airports, and canals); Conveyor or

Concrete Pump (Truck or Equipment Mounted); Drilling Machinery (not to apply to waterliners, wagon drills or jack hammers); Fork Lift (over 10 tons); Loader (up to and including 3 and 1/2 cu. yds); Lull High Lift (under 40 feet); Lubrication and Service Engineer (Mobile); Maginnis Internal Full Slab Vibrator (on airports, highways, canals and warehouses); Man or Material Hoist; Mechanical Concrete Finisher (Large Clary, Johnson Bidwell, Bridge Deck and similar); Mobile Truck Crane Driver; Portable Shotblast Concrete Cleaning Machine; Portable Boring Machine (under streets, highways, etc.); Portable Crusher; Power Jumbo Operator (setting slip forms, etc., in tunnels); Rollers (over 5 tons); Self-propelled Compactor (single engine); Self-propelled Pavement Breaker; Skidsteer Loader with attachments; Slip Form Pumps (Power driven by hydraulic, electric, air, gas, etc., lifting device for concrete forms); Small Rubber Tired Tractors; Trencher (up to and including 6 feet); Underbridge Personnel Aerial Platform (50 feet of platform or less).

GROUP 7: Crusher Plant Engineer, Dozer (D-4, Case 450, John Deere 450, and similar); Dual Drum Mixer, Extend Lift; Hoist and/or Winch (2 drums); Loader (over 3 and 1/2 cu. yds. up to and including 6 yards.); Mechanical Finisher or Spreader Machine (asphalt), (Barber Greene and similar) (Screedman required); Mine or Shaft Hoist; Mobile Concrete Mixer (over 5 tons); Pipe Bending Machine (pipelines only); Pipe Cleaning Machine (tractor propelled and supported); Pipe Wrapping Machine (tractor propelled and supported); Roller Operator (Asphalt); Self-Propelled Elevating Grade Plane; Slusher Operator; Tractor (with boom) (D-6, or similar); Trencher (over 6 feet and less than 200 h.p.); Water Tanker (pulled by Euclids, T-Pulls, DW-10, 20 or 21, or similar); Winchman (Stern Winch on Dredge).

GROUP 8: Asphalt Plant Operator; Barge Mate (Seagoing); Cast-in-Place Pipe Laying Machine; Concrete Batch Plant

(multiple units); Conveyor Operator (tunnel); Deckmate; Dozer (D-6 and similar); Finishing Machine Operator (airports and highways); Gradesetter; Kolman Loader (and similar); Mucking Machine (Crawler-type); Mucking Machine (Conveyor-type); No-Joint Pipe Laying Machine; Portable Crushing and Screening Plant; Power Blade Operator (under 12); Saurman Type Dragline (up to and including 5 yds.); Stationary Pipe Wrapping, Cleaning and Bending Machine; Surface Heater and Planer Operator, Tractor (D-6 and similar); Tri-Batch Paver; Tunnel Badger; Tunnel Mole and/or Boring Machine Operator Underbridge Personnel Aerial Platform (over 50 feet of platform).

GROUP 9: Combination Mixer and Compressor (gunite); Do-Mor Loaderand Adams Elegrader; Dozer (D-7 or equal); Wheel and/or Ladder Trencher (over 6 feet and 200 to 749 h.p.).

GROUP 9A: Dozer (D-8 and similar); Gradesetter (when required by the Contractor to work from drawings, plans or specifications without the direct supervision of a foreman or superintendent); Push Cat; Scrapers (up to and including 20 cu. yds); Self-propelled Compactor with Dozer; Self-Propelled, Rubber-Tired Earthmoving Equipment (up to and including 20 cu. yds) (621 Band and similar); Sheep's Foot; Tractor (D-8 and similar); Tractors with boom (larger than D-6, and similar).

GROUP 10: Chicago Boom; Cold Planers; Heavy Duty Repairman or Welder; Hoist and/or Winch (3 drums); Hydraulic Skooper (Koehring and similar); Loader (over 6 cu. yds. up to and including 12 cu. yds.); Saurman type Dragline (over 5 cu. yds.); Self-propelled, rubber-tired Earthmoving Equipment (over 20 cu. yds. up to and including 31 cu. yds.) (637D and similar); Soil Stabilizer (P & H or equal); Sub-Grader (Gurries or other automatic type); Tractors (D-9 or equivalent, all attachments); Tractor (Tandem Scraper); Watch Engineer.

GROUP 10A: Boat Operator; Cable-operated Crawler Crane (up to and including 25 tons); Cable-operated Power Shovel, Clamshell, Dragline and Backhoe (up to and including 1 cu. yd.); Dozer D9-L; Dozer (D-10, HD41 and similar) (all attachments); Gradall (up to and including 1 cu. yd.); Hydraulic Backhoe (over 3/4 cu. yds. up to and including 2 cu. yds.); Mobile Truck Crane Operator (up to and including 25 tons) (Mobile Truck Crane Driver Required); Self-propelled Boom Type Lifting Device (Center Mount) (up to and including 25 tons) (Grove, Drott, P&H, Pettibone and similar; Trencher (over 6 feet and 750 h.p. or more); Watch Engineer (steam or electric).

GROUP 11: Automatic Slip Form Paver (concrete or asphalt); Band Wagon (in conjunction with Wheel Excavator); Cable-operated Crawler Cranes (over 25 tons but less than 50 tons); Cable-operated Power Shovel, Clamshell, Dragline and Backhoe (over 1 cu. yd. up to 7 cu. yds.); Gradall (over 1 cu. yds. up to 7 cu. yds.); DW-10, 20, etc. (Tandem); Earthmoving Machines (multiple propulsion power units and 2 or more Scrapers) (up to and including 35 cu. yds.,"" struck"" m.r.c.); Highline Cableway; Hydraulic Backhoe (over 2 cu. yds. up to and including 4 cu. yds.); Leverman; Lift Slab Machine; Loader (over 12 cu. yds); Master Boat Operator; Mobile Truck Crane Operator (over 25 tons but less than 50 tons); (Mobile Truck Crane Driver required); Pre-stress Wire Wrapping Machine; Self-propelled Boom-type Lifting Device (Center Mount) (over 25 tons m.r.c); Self-propelled Compactor (with multiple-propulsion power units); Single Engine Rubber Tired Earthmoving Machine (with Tandem Scraper); Tandem Cats; Trencher (pulling attached shield).

GROUP 12: Clamshell or Dipper Operator; Derricks; Drill Rigs; Multi-Propulsion Earthmoving Machines (2 or more Scrapers) (over 35 cu. yds ""struck""m.r.c.); Operators (Derricks,

Piledrivers and Cranes); Power Shovels and Draglines (7 cu. yds. m.r.c. and over); Self-propelled rubber-tired Earthmoving equipment (over 31 cu. yds.) (657B and similar); Wheel Excavator (up to and including 750 cu. yds. per hour); Wheel Excavator (over 750 cu. yds. per hour).

GROUP 12A: Dozer (D-11 or similar or larger); Hydraulic Excavators (over 4 cu. yds.); Lifting cranes (50 tons and over); Pioneering Dozer/Backhoe (initial clearing and excavation for the purpose of providing access for other equipment where the terrain worked involves 1-to-1 slopes that are 50 feet in height or depth, the scope of this work does not include normal clearing and grubbing on usual hilly terrain nor the excavation work once the access is provided); Power Blade Operator (Cat 12 or equivalent or over); Straddle Lifts (over 50 tons); Tower Crane, Mobile; Traveling Truss Cranes; Universal, Liebher, Linden, and similar types of Tower Cranes (in the erection, dismantling, and moving of equipment there shall be an additional Operating Engineer or Heavy Duty Repairman); Yo-Yo Cat or Dozer.

GROUP 13: Truck Driver (Utility, Flatbed, etc.)

GROUP 13A: Dump Truck, 8 cu.yds. and under (water level); Water Truck (up to and including 2,000 gallons).

GROUP 13B: Water Truck (over 2,000 gallons); Tandem Dump Truck, over 8 cu. yds. (water level).

GROUP 13C: Truck Driver (Semi-trailer. Rock Cans, Semi-Dump or Roll-Offs).

GROUP 13D: Truck Driver (Slip-In or Pup).

GROUP 13E: End Dumps, Unlicensed (Euclid, Mack, Caterpillar or similar); Tractor Trailer (Hauling Equipment); Tandem

Trucks hooked up to Trailer (Hauling Equipment)

BOOMS AND/OR LEADS (HOURLY PREMIUMS):

The Operator of a crane (under 50 tons) with a boom of 80 feet or more (including jib), or of a crane (under 50 tons) with leads of 100 feet or more, shall receive a per hour premium for each hour worked on said crane (under 50 tons) in accordance with the following schedule:

Booms of 80 feet up to but not including 130 feet or Leads of 100 feet up to but not including 130 feet	0.50
Booms and/or Leads of 130 feet up to but not including 180 feet	0.75
Booms and/or Leads of 180 feet up to and including 250 feet	1.15
Booms and/or Leads over 250 feet	1.50

The Operator of a crane (50 tons and over) with a boom of 180 feet or more (including jib) shall receive a per hour premium for each hour worked on said crane (50 tons and over) in accordance with the following schedule:

Booms of 180 feet up to and including 250 feet	1.25
Booms over 250 feet	1.75

ENGI0003-004 09/04/2017

	Rates	Fringes
Dredging: (Boat Operators)		
Boat Deckhand	$ 41.22	30.93

Boat Operator	$ 43.43	30.93
Master Boat Operator	$ 43.58	30.93
Dredging: (Clamshell or Dipper Dredging)		
GROUP 1	$ 43.94	30.93
GROUP 2	$ 43.28	30.93
GROUP 3	$ 42.88	30.93
GROUP 4	$ 41.22	30.93
Dredging: (Derricks)		
GROUP 1	$ 43.94	30.93
GROUP 2	$ 43.28	30.93
GROUP 3	$ 42.88	30.93
GROUP 4	$ 41.22	30.93
Dredging: (Hydraulic Suction Dredges)		
GROUP 1	$ 43.58	30.93
GROUP 2	$ 43.43	30.93
GROUP 3	$ 43.28	30.93
GROUP 4	$ 43.22	30.93
GROUP 5	$ 37.88	26.76
Group 5	$ 42.88	30.93
GROUP 6	$ 37.77	26.76
Group 6	$ 42.77	30.93
GROUP 7	$ 36.22	26.76
Group 7	$ 41.22	30.93

CLAMSHELL OR DIPPER DREDGING CLASSIFICATIONS

GROUP 1: Clamshell or Dipper Operator.

GROUP 2: Mechanic or Welder; Watch Engineer.

GROUP 3: Barge Mate; Deckmate.

GROUP 4: Bargeman; Deckhand; Fireman; Oiler.

HYDRAULIC SUCTION DREDGING CLASSIFICATIONS

GROUP 1: Leverman.

GROUP 2: Watch Engineer (steam or electric).

GROUP 3: Mechanic or Welder.

GROUP 4: Dozer Operator.

GROUP 5: Deckmate.

GROUP 6: Winchman (Stern Winch on Dredge)

GROUP 7: Deckhand (can operate anchor scow under direction of Deckmate); Fireman; Leveeman; Oiler.

DERRICK CLASSIFICATIONS

GROUP 1: Operators (Derricks, Piledrivers and Cranes).

GROUP 2: Saurman Type Dragline (over 5 cubic yards).

GROUP 3: Deckmate; Saurman Type Dragline (up to and including 5 yards).

GROUP 4: Deckhand, Fireman, Oiler.

ENGI0003-044 09/03/2018

	Rates	Fringes
Power Equipment Operators (PAVING)		
Asphalt Concrete Material Transfer	$ 42.92	32.08
Asphalt Plant Operator	$ 43.35	32.08
Asphalt Raker	$ 41.96	32.08
Asphalt Spreader Operator	$ 43.44	32.08
Cold Planer	$ 43.75	32.08
Combination Loader/Backhoe (over 3/4 cu.yd.)	$ 41.96	32.08
Combination Loader/Backhoe (up to 3/4 cu.yd.)	$ 40.98	32.08
Concrete Saws and/or Grinder (self-propelled unit on streets, highways, airports and canals)	$ 42.92	32.08
Grader	$ 43.75	32.08

Laborer, Hand Roller	$ 41.46	32.08
Loader (2 1/2 cu. yds. and under)	$ 42.92	32.08
Loader (over 2 1/2 cu. yds. to and including 5 cu. yds.)	$ 43.24	32.08
Roller Operator (five tons and under)	$ 41.69	32.08
Roller Operator (over five tons)	$ 43.12	32.08
Screed Person	$ 42.92	32.08
Soil Stabilizer	$ 43.75	32.08

IRON0625-001 09/01/2019

	Rates	Fringes
Ironworkers:	$ 41.50	37.55

a. Employees will be paid $.50 per hour more while working in tunnels and coffer dams; $1.00 per hour more when required to work under or are covered with water (submerged) and when they are required to work on the summit of Mauna Kea, Mauna Loa or Haleakala.

LABO0368-001 09/02/2019

	Rates	Fringes
Laborers:		
Driller	$ 39.05	21.52
Final Clean Up	$ 29.25	17.22
Gunite/Shotcrete Operator and High Scaler	$ 38.55	21.52
Laborer I	$ 38.05	21.52
Laborer II	$ 35.45	21.52
Mason Tender/Hod Carrier	$ 38.55	21.52
Powderman	$ 39.05	21.52

Window Washer (bosun chair).$ 37.55 21.52

LABORERS CLASSIFICATIONS

Laborer I: Air Blasting run by electric or pneumatic compressor; Asphalt Laborer, Ironer, Raker, Luteman, and Handroller, and all types of Asphalt Spreader Boxes; Asphalt Shoveler; Assembly and Installation of Multiplates, Liner Plates, Rings, Mesh, Mats; Batching Plant (portable and temporary); Boring Machine Operator (under streets and sidewalks); Buggymobile; Burning and Welding; Chainsaw, Faller, Logloader, and Bucker; Compactors (Jackson Jumping Jack and similar); Concrete Bucket Dumpman; Concrete Chipping; Concrete Chuteman/Hoseman (pouring concrete) (the handling of the chute from ready-mix trucks for such jobs as walls, slabs, decks, floors, foundations, footings, curbs, gutters, and sidewalks); Concrete Core Cutter (Walls, Floors, and Ceiling); Concrete Grinding or Sanding; Concrete: Hooking on, signaling, dumping of concrete for treme work over water on caissons, pilings, abutments, etc.; Concrete: Mixing, handling, conveying, pouring, vibrating, otherwise placing of concrete or aggregates or by any other process; Concrete: Operation of motorized wheelbarrows or buggies or machines of similar character, whether run by gas, diesel, or electric power; Concrete Placement Machine Operator: operation of Somero Hammerhead, Copperheads, or similar machines; Concrete Pump Machine (laying, coupling, uncoupling of all connections and cleaning of equipment); Concrete and/or Asphalt Saw (Walking or Handtype) (cutting walls or flatwork) (scoring old or new concrete and/or asphalt) (cutting for expansion joints) (streets and ways for laying of pipe, cable or conduit for all purposes); Concrete Shovelers/Laborers (Wet or Dry); Concrete Screeding for Rough Strike-Off: Rodding or striking-off, by hand or mechanical means prior to finishing; Concrete Vibrator Operator; Coring Holes: Walls, footings, piers or other obstructions for passage of pipes

or conduits for any purpose and the pouring of concrete to secure the hole; Cribbers, Shorer, Lagging, Sheeting, and Trench Jacking and Bracing, Hand-Guided Lagging Hammer Whaling Bracing; Curbing (Concrete and Asphalt); Curing of Concrete (impervious membrane and form oiler) mortar and other materials by any mode or method; Cut Granite Curb Setter (setting, leveling and grouting of all precast concrete or stone curbs); Cutting and Burning Torch (demolition); Dri Pak-It Machine; Environmental Abatement: removal of asbestos, lead, and bio hazardous materials (EPA and/or OSHA certified); Falling, bucking, yarding, loading or burning of all trees or timber on construction site; Forklift (9 ft. and under); Gas, Pneumatic, and Electric tools; Grating and Grill work for drains or other purposes; Green Cutter of concrete or aggregate in any form, by hand, mechanical means, grindstone or air and/or water; Grout: Spreading for any purpose; Guinea Chaser (Grade Checker) for general utility trenches, sitework, and excavation; Headerboard Man (Asphalt or Concrete); Heat Welder of Plastic (Laborers' AGC certified workers) (when work involves waterproofing for waterponds, artificial lakes and reservoir) heat welding for sewer pipes and fusion of HDPE pipes; Heavy Highway Laborer (Rigging, signaling, handling, and installation of pre-cast catch basins, manholes, curbs and gutters); High Pressure Nozzleman - Hydraulic Monitor (over 100# pressure); Jackhammer Operator; Jacking of slip forms: All semi and unskilled work connected therewithin; Laying of all multi-cell conduit or multi-purpose pipe; Magnesite and Mastic Workers (Wet or Dry)(including mixer operator);Mortar Man; Mortar Mixer (Block, Brick, Masonry, and Plastering); Nozzleman (Sandblasting and/or Water Blasting): handling, placing and operation of nozzle; Operation, Manual or Hydraulic jacking of shields and the use of such other mechanical equipment as may be necessary; Pavement Breakers; Paving, curbing and surfacing of streets, ways, courts, under and overpasses, bridges, approaches, slope walls, and all other labor connected

therewith; Pilecutters; Pipe Accessment in place, bolting and lining up of sectional metal or other pipe including corrugated pipe; Pipelayer performing all services in the laying and installation of pipe from the point of receiving pipe in the ditch until completion of operation, including any and all forms of tubular material, whether pipe, HDPE, metallic or non-metallic, conduit, and any other stationary-type of tubular device used for conveying of any substance or element, whether water, sewage, solid, gas, air, or other product whatsoever and without regard to the nature of material from which tubular material is fabricated; No-joint pipe and stripping of same, Pipewrapper, Caulker, Bander, Kettlemen, and men applying asphalt, Laykold, treating Creosote and similar-type materials (6-inch) pipe and over); Piping: resurfacing and paving of all ditches in preparation for laying of all pipes; Pipe laying of lateral sewer pipe from main or side sewer to buildings or structure (except Contactor may direct work be done under proper supervision); Pipe laying, leveling and marking of the joint used for main or side sewers and storm sewers; Laying of all clay, terra cotta, ironstone, vitrified concrete, HDPE or other pipe for drainage; Placing and setting of water mains, gas mains and all pipe including removal of skids; Plaster Mortar Mixer/Pump; Pneumatic Impact Wrench; Portable Sawmill Operation: Choker setters, off bearers, and lumber handlers connected with clearing; Posthole Digger (Hand Held, Gas, Air and Electric); Powderman's Tender; Power Broom Sweepers (Small); Preparation and Compaction of roadbeds for railroad track laying, highway construction, and the preparation of trenches, footings, etc., for cross-country transmission by pipelines, electrical transmission or underground lines or cables (by mechanical means); Raising of structure by manual or hydraulic jacks or other methods and resetting of structure in new locations, including all concrete work; Ramming or compaction; Rigging in connection with Laborers' work (except demolition), Signaling

(including the use of walkie talkie) Choke Setting, tag line usage; Tagging and Signaling of building materials into high rise units; Riprap, Stonepaver, and Rock Slinger (includes placement of stacked concrete, wet or dry and loading, unloading, signaling, slinging and setting of other similar materials); Rotary Scarifier (including multiple head concrete chipping Scarifier); Salamander Heater, Drying of plaster, concrete mortar or other aggregate; Scaffold Erector Leadman; Scaffolds: (Swing and hanging) including maintenance thereof; Scaler; Septic Tank/Cesspool and Drain Fields Digger and Installer; Shredder/Chipper (tree branches, brush, etc.); Stripping and Setting Forms; Stripping of Forms: Other than panel forms which are to be re-used in their original form, and stripping of forms on all flat arch work; Tampers (Barko, Wacker, and similar type); Tank Scaler and Cleaners; Tarman; Tree Climbers and Trimmers; Trencher (includes hand-held, Davis T-66 and similar type); Trucks (flatbed up to and including 2 1/2 tons when used in connection with on-site Laborers'work; Trucks (Refuse and Garbage Disposal) (from job site to dump); Vibra-Screed (Bull Float in connection with Laborers' work); Well Points, Installation of or any other dewatering system.

Laborer II: Asphalt Plant Laborer; Boring Machine Tender; Bridge Laborer; Burning of all debris (crates, boxes, packaging waste materials); Chainman, Rodmen, and Grade Markers; Cleaning, clearing, grading and/or removal for streets, highways, roadways, aprons, runways, sidewalks, parking areas, airports, approaches, and other similar installations; Cleaning or reconditioning of streets, ways, sewers and waterlines, all maintenance work and work of an unskilled and semi-skilled nature; Concrete Bucket Tender (Groundman) hooking and unhooking of bucket; Concrete Forms; moving, cleaning, oiling and carrying to the next point of erection of all forms; Concrete Products Plant Laborers; Conveyor Tender (conveying of building

materials); Crushed Stone Yards and Gravel and Sand Pit Laborers and all other similar plants; Demolition, Wrecking and Salvage Laborers: Wrecking and dismantling of buildings and all structures, with use of cutting or wrecking tools, breaking away, cleaning and removal of all fixtures, All hooking, unhooking, signaling of materials for salvage or scrap removed by crane or derrick; Digging under streets, roadways, aprons or other paved surfaces; Driller's Tender; Chuck Tender, Outside Nipper; Dry-packing of concrete (plugging and filling of she-bolt holes); Fence and/or Guardrail Erector: Dismantling and/or re-installation of all fence; Finegrader; Firewatcher; Flagman (Coning, preparing, stablishing and removing portable roadway barricade devices); Signal Men on all construction work defined herein, including Traffic Control Signal Men at construction site; General Excavation; Backfilling, Grading and all other labor connected therewith; Digging of trenches, ditches and manholes and the leveling, grading and other preparation prior to laying pipe or conduit for any purpose; Excavations and foundations for buildings, piers, foundations and holes, and all other construction. Preparation of street ways and bridges; General Laborer: Cleaning and Clearing of all debris and surplus material. Clean-up of right-of-way. Clearing and slashing of brush or trees by hand or mechanical cutting. General Clean up: sweeping, cleaning, wash-down, wiping of construction facility and equipment (other than ""Light Clean up (Janitorial) Laborer. Garbage and Debris Handlers and Cleaners. Appliance Handling (job site) (after delivery unlading in storage area); Ground and Soil Treatment Work (Pest Control); Gunite/Shotcrete Operator Tender; Junk Yard Laborers (same as Salvage Yard); Laser Beam ""Target Man"" in connection with Laborers' work; Layout Person for Plastic (when work involves waterproofing for waterponds, artificial lakes and reservoirs); Limbers, Brush Loaders, and Pilers; Loading, Unloading, carrying, distributing and handling of all rods and material for use in reinforcing

concrete construction (except when a derrick or outrigger operated by other than hand power is used); Loading, unloading, sorting, stockpiling, handling and distribution of water mains, gas mains and all pipes; Loading and unloading of all materials, fixtures, furnishings and appliances from point of delivery to stockpile to point of installation; hooking and signaling from truck, conveyance or stockpile; Material Yard Laborers; Pipelayer Tender; Pipewrapper, Caulker, Bander, Kettlemen, and men applying asphalt, Laykold, Creosote, and similar-type materials (pipe under 6 inches); Plasterer Laborer; Preparation, construction and maintenance of roadbeds and sub-grade for all paving, including excavation, dumping, and spreading of sub-grade material; Prestressed or precast concrete slabs, walls, or sections: all loading, unloading, stockpiling, hooking on of such slabs, walls or sections; Quarry Laborers; Railroad, Streetcar, and Rail Transit Maintenance and Repair; Roustabout; Rubbish Trucks in connection with Building Construction Projects (excluding clearing, grubbing, and excavating); Salvage Yard: All work connected with cutting, cleaning, storing, stockpiling or handling of materials, all cleanup, removal of debris, burning, back-filling and landscaping of the site; Sandblasting Tender (Pot Tender): Hoses and pots or markers; Scaffolds: Erection, planking and removal of all scaffolds used for support for lathers, plasters, brick layers, masons, and other construction trades crafts; Scaffolds: (Specially designed by carpenters) laborers shall tend said carpenter on erection and dismantling thereof, preparation for foundation or mudsills, maintenance; Scraping of floors; Screeds: Handling of all screeds to be reused; handling, dismantling and conveyance of screeds; Setting, leveling and securing or bracing of metal or other road forms and expansion joints; Sheeting Piling/trench shoring (handling and placing of skip sheet or wood plank trench shoring); Ship Scalers; Shipwright Tender; Sign Erector (subdivision traffic, regulatory, and street-name signs); Sloper; Slurry

Seal Crews (Mixer Operator, Applicator, Squeegee Man, Shuttle Man, Top Man); Snapping of wall ties and removal of tie rods; Soil Test operations of semi and unskilled labor such as filling sand bags; Striper (Asphalt, Concrete or other Paved Surfaces); Tool Room Attendant (Job Site); Traffic Delineating Device Applicator; Underpinning, lagging, bracing, propping and shoring, loading, signaling, right-of-way clearance along the route of movement, The clearance of new site, excavation of foundation when moving a house or structure from old site to new site; Utilities employees; Water Man; Waterscape/Hardscape Laborers; Wire Mesh Pulling (all concrete pouring operations); Wrecking, stripping, dismantling and handling concrete forms an false work.

LABO0368-002 09/02/2019

	Rates	Fringes
Landscape & Irrigation		
Laborers		
GROUP 1	$ 26.15	13.45
GROUP 2	$ 27.15	13.45
GROUP 3	$ 21.55	13.45

LABORERS CLASSIFICATIONS

GROUP 1: Installation of non-potable permanent or temporary irrigation water systems performed for the purposes of Landscaping and Irrigation architectural horticultural work; the installation of drinking fountains and permanent or temporary irrigation systems using potable water for Landscaping and Irrigation architectural horticultural purposes only. This work includes (a) the installation of all heads, risers, valves, valve boxes, vacuum breakers (pressure and non-pressure), low voltage electrical lines

and, provided such work involves electrical wiring that will carry 24 volts or less, the installation of sensors, master control panels, display boards, junction boxes, conductors, including all other components for controllers, (b) and metallic (copper, brass, galvanized, or similar) pipe, as well as PVC or other plastic pipe including all work incidental thereto, i.e., unloading, handling and distribution of all pipes fittings, tools, materials and equipment, (c) all soldering work in connection with the above whether done by torch, soldering iron, or other means; (d) tie-in to main lines, thrust blocks (both precast and poured in place), pipe hangers and supports incidental to installation of the entire irrigation system, (e) making of pressure tests, start-up testing, flushing, purging, water balancing, placing into operation all irrigation equipment, fixtures and appurtenances installed under this agreement, and (f) the fabrication, replacement, repair and servicing oflandscaping and irrigation systems. Operation of hand-held gas, air, electric, or self-powered tools and equipment used in the performance of Landscape and Irrigation work in connection with architectural horticulture; Choke-setting, signaling, and rigging for equipment operators on job-site in the performance of such Landscaping and Irrigation work; Concrete work (wet or dry) performed in connection with such Landscaping and Irrigation work. This work shall also include the setting of rock, stone, or riprap in connection with such Landscape, Waterscape, Rockscape, and Irrigation work; Grubbing, pick and shovel excavation, and hand rolling or tamping in connection with the performance of such Landscaping and Irrigation work; Sprigging, handseeding, and planting of trees, shrubs, ground covers, and other plantings and the performance of all types of gardening and horticultural work relating to said planting; Operation of flat bed trucks (up to and including 2 1/2 tons).:

GROUP 2. Layout of irrigation and other non-potable

irrigation water systems and the layout of drinking fountains and other potable irrigation water systems in connection with such Landscaping and Irrigation work. This includes the layout of all heads, risers, valves, valve boxes, vacuum breakers, low voltage electrical lines, hydraulic and electrical controllers, and metallic (coppers, brass, galvanized, or similar) pipe, as well as PVC or other plastic pipe. This work also includes the reading and interpretation of plans and specifications in connection with the layout of Landscaping, Rockscape, Waterscape, and Irrigation work; Operation of Hydro-Mulching machines (sprayman and driver), Drillers, Trenchers (riding type, Davis T-66, and similar) and fork lifts used in connection with the performance of such Landscaping and Irrigation work; Tree climbers and chain saw tree trimmers, Sporadic operation (when used in connection with Landscaping, Rockscape, Waterscape, and Irrigation work) of Skid-Steer Loaders (Bobcat and similar), Cranes (Bantam, Grove, and similar), Hoptos, Backhoes, Loaders, Rollers, and Dozers (Case, John Deere, and similar), Water Trucks, Trucks requiring a State of Hawaii Public Utilities Commission Type 5 and/or type 7 license, sit-down type and ""gang"" mowers, and other self-propelled, sit-down operated machines not listed under Landscape & Irrigation Maintenance Laborer; Chemical spraying using self-propelled power spraying equipment (200 gallon capacity or more).

GROUP 3: Maintenance of trees, shrubs, ground covers, lawns and other planted areas, including the replanting of trees, shrubs, ground covers, and other plantings that did not ""take"" or which are damaged; provided, however, that re-planting that requires the use of equipment, machinery, or power tools shall be paid for at the rate of pay specified under Landscape and Irrigation Laborer, Group 1; Raking, mowing, trimming, and runing, including the use of ""weed eaters"", hedge trimmers, vacuums, blowers, and other

hand-held gas, air, electric, or self-powered tools, and the operation of lawn mowers (Note: The operation of sit-down type and ""gang"" mowers shall be paid for at the rate of pay specified under Landscape & Irrigation Laborer, Group 2); Guywiring, staking, propping, and supporting trees; Fertilizing, Chemical spraying using spray equipment with less than 200 gallon capacity, Maintaining irrigation and sprinkler systems, including the staking, clamping, and adjustment of risers, and the adjustment and/or replacement of sprinkler heads, (Note: the cleaning and gluing of pipe and fittings shall be paid for at the rate of pay specified under Landscape & Irrigation Laborer(Group 1); Watering by hand or sprinkler system and the peformance of other types of gardening, yardman, and horticultural-related work.

LABO0368-003 09/02/2019

	Rates	Fringes
Underground Laborer		
GROUP 1	$ 38.65	21.47
GROUP 2	$ 40.15	21.47
GROUP 3	$ 40.65	21.47
GROUP 4	$ 41.65	21.47
GROUP 5	$ 41.90	21.47
GROUP 6	$ 42.00	21.47
GROUP 7	$ 42.25	21.47

GROUP 1: Watchmen; Change House Attendant.

GROUP 2: Swamper; Brakeman; Bull Gang-Muckers, Trackmen; Dumpmen (any method); Concrete Crew (includes rodding and spreading); Grout Crew; Reboundmen

GROUP 3: Chucktenders and Cabletenders; Powderman (Prime House); Vibratorman, Pavement Breakers

GROUP 4: Miners - Tunnel (including top and bottom man on shaft and raise work); Timberman, Retimberman (wood or steel or substitute materials thereof); Blasters, Drillers, Powderman (in heading); Microtunnel Laborer; Headman; Cherry Pickerman (where car is lifted); Nipper; Grout Gunmen; Grout Pumpman & Potman; Gunite, Shotcrete Gunmen & Potmen; Concrete Finisher (in tunnel); Concrete Screed Man; Bit Grinder; Steel Form Raisers & Setters; High Pressure Nozzleman; Nozzleman (on slick line); Sandblaster-Potman (combination work assignment interchangeable); Tugger

GROUP 5: Shaft Work & Raise (below actual or excavated ground level); Diamond Driller; Gunite or Shotcrete Nozzleman; Rodman; Groundman

GROUP 6: Shifter

GROUP 7: Shifter (Shaft Work & Raiser)

PAIN1791-001 01/01/2019

	Rates	Fringes
Painters:		
Brush	$ 38.35	29.39
Sandblaster; Spray	$ 38.35	29.39

PAIN1889-001 07/01/2019

	Rates	Fringes
Glaziers	$ 39.00	33.25

PAIN1926-001 03/03/2019

	Rates	Fringes
Soft Floor Layers	$ 34.15	29.32

PAIN1944-001 01/01/2019

	Rates	Fringes
Taper	$ 42.60	28.15

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* PLAS0630-001 09/02/2019

	Rates	Fringes
PLASTERER	$ 42.64	30.58

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* PLAS0630-002 09/02/2019

	Rates	Fringes
Cement Masons:		
Cement Masons	$ 41.10	30.68
Trowel Machine Operators	$ 41.25	30.68

PLUM0675-001 01/06/2019

	Rates	Fringes
Plumber, Pipefitter, Steamfitter & Sprinkler Fitter	$ 46.02	26.24

ROOF0221-001 09/01/2019

	Rates	Fringes
Roofers (Including Built Up, Composition and Single Ply)	$ 41.15	18.98

SHEE0293-001 09/02/2018

	Rates	Fringes
Sheet metal worker	$ 42.55	27.44

SUHI1997-002 09/15/1997

	Rates	Fringes
Drapery Installer	$ 13.60	1.20
FENCE ERECTOR (Chain Link Fence)	$ 9.33	1.65

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information

on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of

each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

* an existing published wage determination
* a survey underlying a wage determination
* a Wage and Hour Division letter setting forth a position on a wage determination matter
* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION"

PROPOSAL SCHEDULE					
ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
201.0100	Removal and Disposal of Trees	L.S.	L.S.	L.S.	$_____
201.0200	Removal and Herbiciding of Invasive Tree Saplings	L.S.	L.S.	L.S.	$_____
201.0300	Additional Tree Removal	F.A.	F.A.	F.A.	$ 200,000.00
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.	$ 50,000.00
212.0010	Slope Scaling Supervisor	64	Man-Hr	$_____	$_____
212.0020	Slope Scaler	192	Man-Hr	$_____	$_____
212.0030	Front End Loader (Each)	16	Daily	$_____	$_____
212.0040	Additional Mechanized Equipment	F.A.	F.A.	F.A.	$ 60,000.00
212.0050	Removal of Debris Generated from Slope Scaling	1,200	C.Y.	$_____	$_____
401.1000	HMA Pavement, Mix No. IV	410	Tons	$_____	$_____
415.0150	Cold Planing	3,400	S.Y.	$_____	$_____
603.1000	Clean Existing Culvert	F.A.	F.A.	F.A.	$ 6,500.00
607.2000	6-Feet, Chain Link Fence	1,000	Lin. Ft.	$_____	$_____

PROPOSAL SCHEDULE					
ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
607.3000	Chain Link Gate, 6 Feet High and 12 Feet Wide	4	Each	$_____	$_____
615.1000	16-Inch Milled Rumble Strip, Centerline	1,140	Lin. Ft.	$_____	$_____
629.1010	4-Inch Pavement Striping (Tape, Type I or Thermoplastic Extrusion)	3,000	Lin. Ft.	$_____	$_____
629.1011	Double 4-Inch Pavement Striping (Tape, Type II or Thermoplastic Extrusion)	1,450	Lin. Ft.	$_____	$_____
629.2010	Type C Pavement Marker	130	Each	$_____	$_____
629.2011	Type D Pavement Marker	130	Each	$_____	$_____
641.1000	Hydro-Mulch Seeding	8,450	S.Y.	$_____	$_____
643.0100	Maintenance of Existing Landscape Areas	F.A.	F.A.	F.A.	$ 50,000.00
645.1000	Traffic Control	L.S.	L.S.	L.S.	$_____
645.2000	Additional Police Officers, Additional Control Device, and Advertisement	F.A.	F.A.	F.A.	$ 30,000.00
648.0100	Field-Posted Drawings	L.S.	L.S.	L.S.	$_____
670.0010	Draped Wire Mesh	69,100	S.F.	$_____	$_____
672.0010	Anchored Wire Mesh System	14,200	S.F.	$_____	$_____
675.1000	Moveable Temporary Rockfall Barrier	L.S.	L.S.	L.S.	$_____

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

MINUTES OF THE PRE-BID MEETING

PROJECT: Kuhio Highway, Emergency Slope Stabilization in the Vicinity of Kalihiwai Bridge, Fed-Aid Project Number ER-016(003)

District of Hanalei, Island of Kauai

FED-AID PROJECT NO.: ER-16(003)

LOCATION: 1720 Haleukana Street
Lihue, Kauai, Hawaii

DATE & TIME: October 8, 2019 at 1:00 P.M.

IN ATTENDANCE:

Lawrence Dill	HDOT – HWY-K
Fred Reyes	HDOT – HWY-K
Glenn Marcos	HDOT – HWY-K
Jeff Aguinaldo	HDOT – HWY-K
Russ Miyahara	KSF, Inc. (via telecon)
Alex Pascual	Bow CM
Richard Liberato	Bow CM
Cliff Tillotson	Prometheus Construction
Paul Ngalu	Wailea Trees & Landscape
Matt Reaves	Earthworks Pacific
Vincent Kruse	Hi Tech Rockfall
Sage Evans	Maccaferri
Pierre Rousseau	Rousseau Services LLC

The meeting started at 1:00 P.M. HWY-K Project Engineer, Fred Reyes began the meeting with a brief overview of the background and scope of work.

The following were raised at the meeting:

Question 1: Why is $200,000 allocated for Additional Tree Removals (contract Item No. 203.0300)?

Response: This force account Item is for when the State desires to remove additional trees that are adjacent to, but outside of the limits of tree removal work shown on the plans.

Question 2: During lane closures, will HDOT allow stopped traffic to occupy the existing Kalihiwai Bridge deck?

Response: HDOT will research this question and provide its answer in an Addendum.

Question 3: On plan Sheet 14, Note No. 16, it allows for one lane closed from 8:30 A.M. to 3:30 P.M. Can HDOT confirm this?

Response: HDOT will research this question and provide its answer in an Addendum.

Question 4: Can the Contractor utilize the makai widened paved area (currently shielded by guardrail) of Kuhio Highway as a staging area?

Response: the former pull-out that currently is shielded by guardrail will not allowed for Contractor staging. It should be noted that HDOT has secured right of entry and easements with selected private property owners uphill of the slope in order to facilitate Contractor's and State representatives' vehicle and equipment ingress and egress to the work sites, and to provide staging areas, without adversely affecting traffic on Kuhio Highway. HDOT will research this question for any additional staging area, and provide its answer in an Addendum.

Question 5: May the bidders have access to homeowners' contact information?

Response: HDOT will provide homeowners' contact information to the selected Contractor following contract award.

Question 6: On plan Sheet No. 20, Note 2, will HDOT allow for either of the 2 types of wire mesh system mentioned?

Response: Yes.

Question 7: For how long can the "bare" slope remain after clearing of trees and rock scaling, until wire mesh is installed?

Response: HDOT will research this question and provide its answer in an Addendum.

Question 8: For tree removals, does the stump need to be removed?

Response: As stated in Section 209, Clearing and Grubbing, Lines 66 through 71, tree are to be cut as close to finish grade as possible, and the remaining stumps are to be left in place and herbicide applied within 30 minutes of cutting.

Question 9: Is this project federally funded? Is "Buy America" required? What about for the movable temporary rockfall barrier?

Response: This project is federally funded and "Buy America" is required.

HDOT stated that all requests for information (RFI) need to be in writing and be received no less than 14 calendar days prior to bid opening.

HDOT stated that the latest Federal Wage Rates dated October 4, 2019 will be utilized, and provided in an Addendum.

HDOT stated that there are restrictions on tree removal periods due to bats, as stated in the bid documents.

HDOT stated that there are restrictions on night work periods due to seabirds, as stated in the bid documents.

HDOT stated the requirements of the movable temporary rockfall barrier as described on plan Sheet 20, note 8 and in Special Provisions Section 675.

HDOT stated the duration of the project is 301 calendar days and there is a 5.8% DBE project goal.

HDOT stated that and NPDES Permit covering the project work is in progress, but not yet obtained.

HDOT stated that wire mesh is required to be secured in the work area, prior to moving the movable barrier to a new area.

With no further questions or comments, the pre-bid meeting was adjourned at 1:40 P.M.

The minutes of the meeting will be distributed in Addendum No. 1 to the Contract Plans. Contractors will be notified when Addendum No. 1 will be available for pick up.

PRE-BID CONFERENCE ATTENDANCE LIST

FED-AID PROJ. NO.: ER-16(003) PROJECT NAME: KUHIO HIGHWAY, EMERGENCY SLOPE STABILIZATION IN THE VICINITY OF KALIHIWAI BRIDGE

DATE: OCTOBER 8, 2019 LOCATION: 1720 HALEUKANA STREET, LIHUE, KAUAI, HAWAII 96766

CALLED BY: FRED REYES, P.E. TIME: 1:00 PM

PLEASE PRINT

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3	PAUL NAHALE	WAILEA TREES & LANDSCAPE	P.O.BOX 976 WAILUKU, HI	WAILEATREES_LANDSCAPE @YAHOO.COM	808 215-1103
4	Fred Reyes	HDOT-Kauai Hwys	1720 Haleukana St. Lihue 96766	fred.reyes@hawaii.gov	241-3017
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