STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ADDENDUM NO. 1
FOR
KAMEHAMEHA HIGHWAY RESURFACING
DAIRY ROAD TO LAIEWAI BRIDGE

FEDERAL-AID PROJECT NO. NH-083-1(072)

The following amendments shall be made to the Bid Documents:

A. SPECIAL PROVISIONS

1. Replace Pages 107-1a through 107-2a dated 5/8/15 with the attached Pages 107-1a through 107-2a dated r6/1/15.

2. Replace Pages 606-1a through 606-5a dated 5/4/15 with the attached Pages 606-1a through 606-5a dated r6/1/15.

3. Replace Pages 619-1a through 619-8a dated 4/24/15 with the attached Pages 619-1a through 619-8a dated r6/2/15.

4. Replace Federal Wage Rates dated 03/27/2015 with the attached Federal Wage Rates dated 05/29/2015.

B. PROPOSAL

Replace Pages P-8 through P-17 dated 5/5/2015 with the attached Pages P-8 through P-17 dated r6/8/2015.

C. PLANS

1. Replace Plan Sheet Nos. 11 to 13, 15, 16, 24, 25, 33, 41 to 44, 50, 65, 90, 91, and 94 with the attached Plan Sheet Nos. ADD. 11 to ADD. 13, ADD. 15, ADD. 16, ADD. 24, ADD. 25, ADD. 33, ADD. 41 to ADD. 44, ADD. 50, ADD. 65, ADD. 90, ADD. 91, and ADD. 94.

2. Plan Sheet No. 1:

   a. Revise Equation Station BL STA. 1489+37.90 (BK) = BL STA. 1487+85.41 (AH) to read BL STA. 1478+38.73 (BK) = BL STA. 1478+40.31 (AH).

b. Revise Equation Station BL STA. 1418+08.54 (BK) = BL STA. 1416+08.19 (AH) to read BL STA. 1416+09.56 (BK) = BL STA. 1416+08.14 (AH).

Attached are the June 1, 2015 Pre-bid Meeting Minutes and Attendance Sheet for your information.

Please acknowledge receipt of this Addendum No. 1 by recording the date of its receipt in the space provided on Page P-4 of the Proposal.

FORD N. FUCHIGAMI
Director of Transportation

SECTION 107 - LEGAL RELATIONS AND RESPONSIBILITY TO PUBLIC

Make the following amendments to said Section:

(l) Amend **107.03 – Working Hours; Night Work** by adding the following after line 143:

"The State has received approval for a Noise Variance for the project through the Department of Health according to Chapter 342F, Hawaii Revised Statutes, for night work. Should the Department of Health modify, suspend, or revoke the request for Noise Variance, the State will have the right to have part or all of the contract work done during the day. The Engineer and Contractor will negotiate compensation for doing such work during the day.

The Noise Variance is granted to conduct repairs and reinforce a damaged culvert and two bridges at the following locations:

(a) A damaged culvert at Mile Post 13.81 (Station 560+82±) along Kamehameha Highway about 1600 feet East of Marconi Road.
(b) Kuilima-Oio Stream Bridge along Kamehameha Highway at Mile Post 12.37 (Station 485+00±)
(c) Waialee Stream Bridge along Kamehameha Highway at Mile Post 10.42 (Station 381+63±).

And for work fronting the Kahuku High and Intermediate School:

(d) School bus drop off area fronting Kahuku High and Intermediate School at approximately Station 662+00± to Station 666+20±.

The Noise Variance application requests permission for the Contractor to work at the specified locations above from:

Friday	6:00 P.M. – Midnight
Saturday	Midnight – 9:00 A.M.
Saturday	6:00 P.M. – Midnight
Sunday	All day (Midnight – Midnight)
Monday	Midnight – 7:00 A.M.

subject to the following restrictions and conditions during the variance hours:

(1) The use of concrete saws, jack hammers, and pavement breakers shall be prohibited after 10:00 P.M at the Kuilima-Oio Stream Bridge portion of the project.

(2) The use of concrete saws, jack hammers, and pavement breakers shall be prohibited during the variance hours at the Waialee Stream Bridge portion of the project.

(3) The Contractor shall notify the Indoor and Radiological Health Branch as to the date and time of any variance hour activity as soon as the dates are confirmed and also when the project is completed.

(4) Residents shall be given sufficient notice regarding the project. The notification for the planned nighttime activity shall contain the name and telephone number of the job-site inspector. In addition, a copy of any notifications, as well as progress reports, shall be sent to the Indoor and Radiological Health Branch.

(5) The Contractor shall make every effort to minimize noise emanating from the project.

(6) The use of reverse signal alarms shall be prohibited from 8:00 p.m. to 7:00 a.m. Alternative methods such as utilizing a ground guide for signaling shall be employed.

(7) Traffic noise from heavy vehicles traveling to and from the construction site shall be minimized near residences.

(8) The Contractor shall have a job-site inspector to whom immediate complaints can be forwarded for a prompt response and who shall have the general responsibility of monitoring quiet work procedures.

(9) If the noise level is such that numerous complaints are received by the Department, the Contractor shall cease operations upon receipt of an order and complete the project during the hours on weekdays and weekends as directed.

(10) Pursuant to Section 342F-5(d)(3), H.R.S., the Contractor shall be required to perform noise sampling at the nearest residential property during the variance hours and report the results of such sampling to the Indoor and Radiological Health Branch.

END OF SECTION 107

SECTION 606 - GUARDRAIL

Make the following amendments to said Section:

(I) Amend **Subsection 606.03 Construction** from line 115 to include the following:

"**(D) State Furnished Portable Concrete Barrier.**

(1) Select the units from the stockpile at location shown in the contract documents or specified by the Engineer. Haul the units from the stored areas to the jobsite. Prepare the beds and set the units at a location shown in the contract documents or as directed by the Engineer.

(2) Furnish, install and maintain steel pins for connecting the units.

(3) Erect all units in accordance with the contract documents or as ordered by the Engineer. The units shall have a maximum of 1/4 –inch offset in any direction between adjacent panels at the connections. Horizontal alignment of the panels shall be such that any panel is not out of alignment by more than 1/2 –inch from a straight line.

(4) Set the units in a vertical position. The units shall follow closely to the roadway grade.

(5) Furnish and install one RM-3 reflector marker on each unit in accordance with the contract documents.

(6) Relocate any units or existing barriers during construction at the locations shown in the contract documents or as ordered by the Engineer.

(7) Upon completion of the work, clean, repair, remove, haul and store all units at the location shown in the contract documents or as ordered by the Engineer.

(E) Moveable Steel Barriers.

(1) Fabrication. Moveable steel barriers shall be Armor Guard Barrier/ Safeguard Link system as manufactured by Barrier Systems, Inc. or equal.

(a) Barrier Design. The moveable steel barrier system shall meet NCHRP-350 Test Level 3 test requirements as a longitudinal redirecting barrier. The barrier system shall be designed for quick deployment and reconfiguration.

The length of each individual barrier unit shall be 4 meters (13 feet) minimum.

Each barrier unit shall be equipped with retractable wheels designed to be deployed using a hand crank or optional compressed air.

(b) Accessories. Furnish and install one RM-2 reflector marker on top of the moveable barrier (not RM-3 as shown on the Standard Plan), a longitudinal 4-inch by 20 feet permanent preformed pavement marking tape, Type I (color to match appropriate roadway pavement stripe) on the sloped side of the barrier facing traffic, and a steady burn amber lamp on each barrier unit.

Furnish and install Type II Barricade with a steady burn amber lamp on each barricade and in accordance with MUTCD Chapter 6.

(2) Installation. Assemble and Install the moveable steel barrier system in accordance with the manufacturer's recommendations. Erect all units as shown on the plans or as specified by the Engineer. Set the units in a vertical position, closely following the roadway grade.

Minimum deployment lengths of unanchored installation of moveable steel barrier system: 68 meters (223 feet) for TL-3.

Contractor shall not leave barrier ends exposed to traffic, and shall provide treatment that complies with NCHRP 350 Test Level 3 criteria.

Relocate any units or existing barriers during construction at the locations shown in the contract documents or as ordered by the Engineer.

Upon completion of the work, clean, repair, remove, haul, and store all units at the location shown in the contract documents or as ordered by the Engineer. If the final designation is not

available when the units are ready to be removed, haul the units to an interim location at no increase in contract price or contract time.

Contractor shall be responsible for the safe keeping of moveable steel barrier units until they are removed from the project.

(3) Type II Barricades. Furnish and install Type II Barricades with lamp. Spacing and position shall comply with part 6 of the MUTCD Typical Application 5.

(F) Portable Barrier End Treatment.

(1) The portable barrier end treatment shall be a non-directive, energy-absorbing terminal providing impact protection from speeds up to 43 mph. It shall meet NCHRP 350, Test Level 2 criteria for Non-Directive Crash Cushions, as accepted by the Federal Highways Administration. Design speeds above 43 mph (up to 62 mph) shall meet NCHRP 350, Test Level 3 criteria for Non-Directive Crash Cushions, as accepted by FHWA. Submit a brochure of the product to be used for acceptance by the Engineer prior to ordering the end treatment.

(2) The portable barrier end treatment shall be designed for easy attachment to and removal from the end of the barrier. The nose of the system shall be equipped with a chevron sign, which shall be reversible to match the corresponding traffic direction.

(3) Installation and use of the end treatment must be consistent with lateral offset and placement guidelines specified in the current edition of the AASHTO Roadside Design Guide.

(4) Provide and install a NCHRP 350 compliant end treatment compatible with the portable barriers. The end treatment shall be attached and installed in compliance with the manufacturers instructions. Provide three (3) copies of the maintenance and operational manual for the end treatments along with an instructional class for State Maintenance personnel on the installation and removal of the end treatment.

(5) Haul the portable barrier end treatment to the jobsite. Prepare the beds and set the portable barrier end treatment at a location shown in the contract documents or as directed by the Engineer.

(6) Furnish, install and maintain steel pins for connecting the portable barrier end treatment to the unit.

(7) Furnish and install one RM-3 reflector marker on each portable barrier end treatment in accordance with the contract documents.

(8) Relocate the portable barrier end treatment during construction at the locations shown in the contract documents or as ordered by the Engineer.

(9) The portable barrier end treatment shall be the property of the State after project completion.

(10) Upon completion of the work, clean, repair, remove, haul, and store the portable barrier end treatment at the location shown in the contract documents or as ordered by the Engineer. If the final designation is not available when the units are ready to be removed, haul the units to an interim location at no increase in contract price or contract time."

(II) Amend **606.04 Measurement,** from line 116 to 118 to read as follows:

"**606.04 Measurement**. Guardrail, end anchorage, terminal section, transition section, reset guardrail, state furnished portable concrete barrier, contractor furnished movable steel barrier, and portable barrier end treatment will be paid on a lump sum basis. Measurement for payment will not apply.

Portable Barrier End Treatment for the Contractor furnished Movable Steel Barrier shall not be measured for payment and shall be considered incidental to the Movable Steel Barrier.

The Engineer will not pay separately for transporting, installing, maintaining, relocating, and subsequently removing the state furnished portable concrete barrier, moveable steel barrier or portable barrier end treatment. The price includes full compensation for preparing bins, maintaining reflector markers, and lamps; transporting portable concrete barriers from stockpile location to the project site; relocating portable concrete barriers, moveable steel barriers, or portable barrier end treatments during construction; cleaning and hauling the state furnished portable concrete barrier, moveable steel barrier, and portable barrier end treatments after completion of the project as directed by the Engineer; and furnishing labor, materials, tools, equipment and incidentals necessary to complete the work."

(III) Amend **606.05 Payment** from line 139 to include the following:

182	"State Furnished Portable Concrete Barrier	Lump Sum
183		
184	Movable Steel Barrier (with Manual Jack)	Lump Sum
185		
186	Portable Barrier End Treatment	Lump Sum"
187		

188 **END OF SECTION 606**

Amend **Section 619 – PLANTING** to read as follows:

"SECTION 619 - PLANTING

619.01 Description. This section describes planting operations and plant establishment.

619.02 Submittals. Submit a copy to the Engineer for approval prior to planting operations.

(A) Certification of Grass. Certification of TifGrand's genetic identity from the Hawaii Department of Agriculture.

(B) Product Literature. For Fertilizers from manufacturer.

(C) Maintenance Instructions. Recommended procedures for maintenance of lawn during a calendar year from the manufacturer.

619.03 Materials.

(A) Plant Material. Provide plants of quantity, size, genus, species, and variety or cultivars as shown and scheduled in contract documents.

(1) Grass. Furnish viable sod (TifGrand Hybrid Bermudagrass) of uniform density, color, and texture that is strongly rooted and capable of vigorous growth and development when planted.

(a) Species should be wear-resistant, free from disease, and in excellent condition.

(b) Sod shall be grown in sand or sandy loam soils only. Sod grown in soils of clay, silt, or high organic materials such as peat, will not be accepted.

(2) Selection, Tagging, and Ordering of Plants.

(a) Engineer will inspect plants at place of growth and after delivery to the Project. Plants not conforming to contract documents requirements will be rejected.

(b) Contractor shall request plant inspection at least one month prior to start of planting work. Contractor shall submit a request for inspection and documentation to Engineer, not less than one month prior to start of planting work, that all plant materials have been ordered.

(3) Condition of Plants. Plants shall conform to specified nomenclature, grades, and standards.

(a) General. Provide trees, shrubs, and groundcover and grass, with normal habit of growth, such as, sound, healthy, vigorous, and free of die-back, disease, insects, eggs, bores, and larvae. At the time of planting, all plants shall have a root system, stem, and branch form that will not restrict normal growth, stability and health for the expected life of the plant.

(b) Grass sod. Shall be weed free and undamaged.

(4) Plant Substitutions. Submit all requests for substitutions of plant species or size to the Engineer for approval, prior to purchasing the proposed substitution. Request for substitution shall be accompanied with a list of nurseries contacted in the search for the required plant and a record of other attempts to locate the required material. Requests shall also include sources of plants found that may be of a smaller or larger size, or a different shape or habit than specified, or plants of the same genus and species but different cultivar origin, or which may otherwise not meet the requirements of the contract documents, but which may be available for substitution.

(B) Herbicides. Chemical herbicides shall contain either or both glyphosate and cacodylic acid. Use only State Department of Agriculture approved herbicides.

Manufacturer's instructions for applying herbicide shall be followed. Adjustments shall be made for field conditions. Chemical herbicide shall be applied using photosensitive dye that does not stain concrete or painted surfaces, will not injure plants and animals, and disappears within three days after spraying. Application shall be between 8:30 a.m. and 3 p.m., on normal State workdays only. Spraying shall not be done when wind is brisk or when raining or where rain is expected. Avoid spraying areas where herbicide can enter storm drainage systems or receiving waters. Records shall be kept by Contractor of dates of application, type of herbicide or pesticide used, quantities, and areas that were covered and submitted to Engineer within 24 hours of application.

(1) Pre-emergent Herbicide. Pre-emergent herbicide shall be used to control weeds by absorption, including through plant's root system. Label of herbicide shall indicate that product is environmentally safe and non-toxic to humans and animals.

(2) Selective, Post-emergent Granular Herbicide. Selective,

post-emergent granular herbicide shall be used to control annual grasses and broadleaf weeds in turf and wide variety of woody ornamentals, shrubs, vines, and trees. Product shall kill young seedlings on contact during germination.

(3) Post-emergent, Non-granular Herbicide. Post-emergent, non-granular herbicide shall be used to control weeds by absorption, including through roots of plant. Label of herbicide shall indicate that product is environmentally safe and non-toxic to humans and animals.

(C) Fertilizer for Grass.

(1) Commercial Fertilizer. Fertilizer shall be in new, clean, sealed, and properly labeled bags or containers. Fertilizer shall be protected from weather after delivery to the Project. Fertilizer shall be:

(a) Nitrogen, phosphoric acid, and potash (N-P-K) in percentages recommended by the grass manufacturer from which it was obtained, uniform in composition, free flowing, and suitable for application.

(2) Manure. Manure shall be from chickens, horses, or cattle. Manure shall be aged three months to two years before use.

(3) Application Records. Records shall be kept by Contractor of dates of application, type of fertilizer or manure used, quantities, and areas that were covered and shall be submitted to Engineer within 24 hours of application. Document if rates and amounts of fertilizer deviate from manufacturer's specifications."

619.04 Construction.

(A) Codes and Standards. Perform work in accordance with applicable laws, codes, and regulations. Provide inspections and permits required by Federal, State, and local governmental authorities.

(B) Site Conditions.

(1) It is the responsibility of the Contractor to be aware of all surface and sub-surface conditions, and to notify the Engineer, in writing, of any circumstances that would negatively impact the health of plantings. Do not proceed with work until unsatisfactory conditions have been corrected.

Contractor shall carefully examine the record drawings to become

familiar with the existing underground conditions before digging.

(C) Preparing Areas for Landscaping.

(1) It is the responsibility of the Contractor to be aware of all surface and sub-surface conditions, and to notify the Engineer, in writing, of any circumstances that would negatively impact the health of plantings. Do not proceed with work until unsatisfactory conditions have been corrected.

(2) Before starting soil preparation work remove trash, debris, and weeds from work area. Planting areas shall be free from stones greater than a 1/2 inch in diameter. Dispose of material outside the Right-of-Way as specified in Section 201 – Clearing and Grubbing.

(3) Before applying chemical herbicide, obtain Engineer's acceptance of proposed weed control program.

(4) Apply herbicide before weeds become taller than two inches.

(D) Coordinating Work. Adjust planting work for conformance with ground and weather conditions.

(E) Herbicides. After landscaping paving block has been installed, commence weed control program using pre-emergent or post-emergent herbicide. Maintain control program through planting period to prevent weeds from emerging.

(F) Preparing for Planting. Do not plant until ground has been prepared, site is neat and orderly, and Engineer accepts site for planting.

Moisten prepared lawn areas before planting if soil is dry. Water thoroughly and allow surface to dry before planting. Do not create muddy soil.

Before planting, restore areas if eroded or otherwise disturbed.

(G) Delivery.

(1) Protect materials from deterioration during delivery and storage. Adequately protect plants from drying out, exposure of roots to sun, wind or extremely hot temperatures.

(2) Observe each plant after delivery and prior to installation for damage of other characteristics that may cause rejection of the plant. Notify the Engineer of any condition observed.

(3) No more plants shall be distributed about the planting bed area that can be planted and watered on the same day.

(H) Planting.

(1) Locating Plants. The Engineer will direct Contractor to site of planting or target location with stakes or other markers provided by Contractor. Provide labor, materials, and transportation Engineer needs to locate plants.

(2) Sod Placement.

(a) Apply sod within two days after completion of the landscaping paving block installation. Notify Engineer not less than 24 hours ahead of planting.

(b) Upon Engineer's acceptance for planting, lay sod within 24 hours of harvesting. Do not lay sod if ground is muddy.

(c) Install sod directly over soil filled landscaping paving block according to paving block's manufacturer's instructions.

(d) Lay sod to form a solid mass with tightly fitted joints, moistened and rolled to create good contact for growth. Butt ends and sides of sod; do not stretch or overlap. Stagger sod strips or pads to offset joints in adjacent courses. Avoid damage to soil or sod during installation. Tamp and roll lightly to ensure contact with soil, eliminate air pockets, and form a smooth surface. Work sifted soil or fine sand into minor cracks between pieces of sod; remove excess to avoid smothering sod and adjacent grass.

(e) Saturate sod with fine water spray within two hours of planting. During first week after planting, water daily or more frequently as necessary to maintain moist soil to a minimum depth of 1-1/2 inches below sod.

(f) Sodded areas must be fertilized and kept moist during root establishment (minimum of 3 weeks).

(g) Continue watering as necessary to ensure proper growth. Water in a way that will prevent erosion, using equipment that will not damage planted areas. Replace watering equipment that causes erosion or runoff.

(3) Cleanup. Remove and dispose of empty containers and accumulated debris when planting is completed.

(I) Planting Period. Planting period extends 30 days from the date Engineer accepts site to start planting period. Planting period shall not start until all grass in the area is planted. During planting period, provide 95 percent coverage with 2-inch tall healthy grass. Reinstall sod in areas that do not show satisfactory growth. Provide replacements within 7 working days of receiving notification from Engineer that grass is unacceptable.

(J) Watering. Water all newly planted areas in quantity and frequency necessary to sustain plant growth. Provide and maintain temporary piping, hoses and lawn-watering equipment to convey water from sources and keep lawn uniformly moist to manufacturer's recommendations. Contractor will be responsible for determining and establishing the water source and delivery method to the Project site. Lay out temporary watering system to avoid walking over muddy or newly planted areas. Replace watering equipment that cause erosion or runoff. Water will be considered an incidental cost.

(K) Mowing. Mow turf to a height of 1 to 2 inches when it becomes 2.5 inches. Repeat mowing to maintain specified height without cutting more than one-third of grass height. Remove no more than one-third of grass-leaf growth in initial or subsequent mowings. Do not delay mowing until grass blades bend over and become matted. Do not mow when grass is wet.

(L) Plant Establishment Period. Plant establishment period shall extend three months from accepted completion date of planting period, unless extended by Engineer because of Contractor's failure to perform required work.

During plant establishment period, water, fertilize, cultivate, weed, mow, and apply pesticide when required. Replace plants that fail to develop healthy growth, become injured, or die. Provide replacements within two weeks of receiving notification from Engineer that plants are unacceptable.

(1) Watering. Water to keep planted areas moist but not over-saturated, and to ensure good growth. Regulate quantity of water to prevent erosion and formation of gullies.

(2) Fertilizing. In addition to fertilizing during planting period, fertilize at the rate and frequency as recommended from the manufacturer (initially provided to the Engineer.) Notify the Engineer, in writing, 24 hours in advance of fertilization.

(a) Application Records. Records shall be kept by Contractor of dates of application, type of fertilizer or manure used, quantities, and areas that were covered and shall be submitted to Engineer within 24 hours of application.

Document if rates and amounts of fertilizer deviate from manufacturer's specifications.

(b) Exercise caution when fertilizing to avoid burning plants.

(3) Controlling Weeds. Keep planted areas at least 90 percent free of weeds and grass considered undesirable by Engineer. Remove weeds by pulling roots. Do this daily if necessary. Deposit trash in appropriate containers. Chemical weed control, if chosen, shall be by method acceptable to the Engineer.

(4) Disease or Insect Infestation.

(a) Inspect plants, including grass, weekly for disease or insect damage. Treat infected plants immediately.

(b) Remove damaged or diseased growth from trees and shrubs.

(c) In all cases, ensure treatment of disease or insect infestation is not detrimental to the health and continued development of plants, especially native plant species.

(d) Notify the Engineer, in writing, 24 hours in advance of pesticide application. Notification shall include date of application, pesticide used, quantity, and areas that were covered. Document if rates and amounts of pesticide deviate from manufacturer's specifications.

(5) Dead or Dying Plants. Remove immediately plants that are not in vigorous thriving condition. Replace with plants of same type and size as originally planted.

Engineer will credit Contractor with plant establishment days when work is done as indicated in the contract documents and when Engineer determines that no work is required, regardless of whether Contractor actually performs plant establishment work. Engineer will not credit Contractor with plant establishment days when Engineer determines that work is necessary but Contractor fails to adequately perform plant establishment work.

(M) Acceptance. Acceptance, if granted, will be at end of plant establishment period. Plants shall be in healthy growing condition and planting areas shall be 90 percent weed free.

Engineer will schedule semi-final inspection to decide acceptability 30

days before end of plant establishment period. At this time, Engineer will notify Contractor of plants that need to be replaced and other apparent deficiencies.

Final inspection will be scheduled 30 days after Contractor provides plant replacements.

619.05 Measurement. The Engineer will measure planted grass in accordance with the contract documents.

619.06 Payment. Engineer will pay for the accepted grass on a contract lump sum basis. Payment will be full compensation for work prescribed in this section and contract documents.

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

Pay Item	**Pay Unit**
Grass (TifGrand sod)	Lump Sum

Partial Payment Schedule For Planting Period With Plant Establishment Period. The Engineer will pay for:

(A) 60 percent of the contract bid price upon completion of planting.

(B) 15 percent of the contract bid price upon completion of planting period.

(C) 20 percent of the contract bid price in three monthly payments of 6-2/3 percent for satisfactory progress during the plant establishment period.

(D) 5 percent of the contract bid price at final acceptance of the plant establishment period."

END OF SECTION 619

General Decision Number: HI150001 05/29/2015 HI1

Superseded General Decision Number: HI20140001

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: Executive Order (EO) 13658 establishes an hourly minimum wage of $10.10 for 2015 that applies to all contracts subject to the Davis-Bacon Act for which the solicitation is 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 $10.10 (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract. The EO minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/02/2015
1	01/16/2015
2	01/23/2015
3	02/06/2015
4	02/27/2015
5	03/06/2015
6	03/13/2015
7	03/27/2015
8	05/29/2015

ASBE0132-001 08/29/2010

	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	$ 36.65	22.24

BOIL0627-005 01/01/2013

	Rates	Fringes
BOILERMAKER	$ 35.20	27.35

BRHI0001-001 09/03/2012

	Rates	Fringes
BRICKLAYER		
Bricklayers and Stonemasons	$ 35.35	22.92
Pointers, Caulkers and Weatherproofers	$ 35.60	22.92

BRHI0001-002 09/02/2013

	Rates	Fringes
Tile, Marble & Terrazzo Worker		
Terrazzo Base Grinders	$ 35.29	23.22

Terrazzo Floor Grinders and Tenders	$ 32.24	23.22
Tile, Marble and Terrazzo Workers	$ 37.10	23.22

CARP0745-001 09/01/2014

	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	$ 42.25	20.71
Millwrights and Machine Erectors	$ 42.50	20.71
Power Saw Operators (2 h.p. and over)	$ 42.40	20.71

CARP0745-002 09/01/2014

	Rates	Fringes
Drywall and Acoustical Workers and Lathers	$ 42.50	20.71

ELEC1186-001 02/22/2015

	Rates	Fringes
Electricians:		
Cable Splicers	$ 46.92	28.11
Electricians	$ 42.65	26.81
Telecommunication worker	$ 23.20	17%+6.35

ELEC1186-002 02/22/2015

	Rates	Fringes
Line Construction:		
Cable Splicers	$ 46.92	28.11
Groundmen/Truck Drivers	$ 31.99	23.54
Heavy Equipment Operators	$ 38.39	25.50
Linemen	$ 42.65	26.81
Telecommunication worker	$ 23.20	17%+$6.35

ELEV0126-001 01/01/2015

	Rates	Fringes
ELEVATOR MECHANIC	$ 53.07	28.38

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 09/01/2014

	Rates	Fringes
Diver (Aqua Lung) (Scuba))		
Diver (Aqua Lung) (Scuba) (over a depth of 30 feet)	$ 61.50	27.06
Diver (Aqua Lung) (Scuba) (up to a depth of 30 feet)	$ 52.13	27.06
Stand-by Diver (Aqua Lung) (Scuba)	$ 42.75	27.06
Diver (Other than Aqua Lung)		
Diver (Other than Aqua Lung)	$ 61.50	27.06
Diver Tender (Other than Aqua Lung)	$ 39.72	27.06
Stand-by Diver (Other than		

Aqua Lung)	$ 42.75	27.06
Helicopter Work		
Airborne Hoist Operator for Helicopter	$ 41.30	27.06
Co-Pilot of Helicopter	$ 41.44	27.06
Pilot of Helicopter	$ 41.61	27.06
Power equipment operator - tunnel work		
GROUP 1	$ 37.74	27.06
GROUP 2	$ 37.85	27.06
GROUP 3	$ 38.02	27.06
GROUP 4	$ 38.29	27.06
GROUP 5	$ 38.60	27.06
GROUP 6	$ 39.25	27.06
GROUP 7	$ 39.57	27.06
GROUP 8	$ 39.68	27.06
GROUP 9	$ 39.79	27.06
GROUP 9A	$ 40.02	27.06
GROUP 10	$ 40.08	27.06
GROUP 10A	$ 40.23	27.06
GROUP 11	$ 40.38	27.06
GROUP 12	$ 40.74	27.06
GROUP 12A	$ 41.10	27.06
Power equipment operators:		
GROUP 1	$ 37.44	27.06
GROUP 2	$ 37.55	27.06
GROUP 3	$ 37.72	27.06
GROUP 4	$ 37.99	27.06
GROUP 5	$ 38.30	27.06
GROUP 6	$ 38.95	27.06
GROUP 7	$ 39.27	27.06
GROUP 8	$ 39.38	27.06
GROUP 9	$ 39.49	27.06
GROUP 9A	$ 39.72	27.06
GROUP 10	$ 39.78	27.06
GROUP 10A	$ 39.93	27.06
GROUP 11	$ 40.08	27.06
GROUP 12	$ 40.44	27.06
GROUP 12A	$ 40.80	27.06
GROUP 13	$ 37.72	27.06
GROUP 13A	$ 37.99	27.06
GROUP 13B	$ 38.30	27.06
GROUP 13C	$ 38.95	27.06
GROUP 13D	$ 39.27	27.06
GROUP 13E	$ 39.38	27.06

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 09/01/2014

	Rates	Fringes
Dredging: (Boat Operators)		
Boat Deckhand	$ 37.72	27.06
Boat Operator	$ 39.93	27.06
Master Boat Operator	$ 40.08	27.06
Dredging: (Clamshell or Dipper Dredging)		
GROUP 1	$ 40.44	27.06
GROUP 2	$ 39.78	27.06
GROUP 3	$ 39.38	27.06
GROUP 4	$ 37.72	27.06
Dredging: (Derricks)		
GROUP 1	$ 40.44	27.06
GROUP 2	$ 39.78	27.06
GROUP 3	$ 39.38	27.06
GROUP 4	$ 37.72	27.06
Dredging: (Hydraulic Suction Dredges)		
GROUP 1	$ 40.08	27.06
GROUP 2	$ 39.93	27.06
GROUP 3	$ 39.78	27.06
GROUP 4	$ 39.72	27.06
GROUP 5	$ 37.88	26.76
Group 5	$ 39.38	27.06
GROUP 6	$ 37.77	26.76
Group 6	$ 39.27	27.06
GROUP 7	$ 36.22	26.76
Group 7	$ 37.72	27.06

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 09/02/2013

	Rates	Fringes
Power Equipment Operators (PAVING)		
(10) Cold Planer	$ 38.25	26.98
(10) Loader (2 1/2 cu. yds. and under)	$ 37.42	26.98

(10)Soil Stabilizer	$ 38.25	26.98
(11)Loader (over 2 1/2 cu. yds. to and including 5 cu. yds.)	$ 37.74	26.98
(3)Roller Operator (five tons and under)	$ 36.19	26.98
(5)Screed Person	$ 37.42	26.98
(6)Combination Loader/Backhoe (up to 3/4 cu.yd.)	$ 35.48	26.98
(6)Concrete Saws and/or Grinder (self-propelled unit on streets, highways, airports and canals)	$ 37.42	26.98
(6)Roller Operator (over five tons)	$ 37.62	26.98
(7)Combination Loader/Backhoe (over 3/4 cu.yd.)	$ 36.46	26.98
(8) Asphalt Plant Operator	$ 37.89	26.98
Asphalt Concrete Material Transfer	$ 37.42	26.98
Asphalt Raker	$ 36.46	26.98
Asphalt Spreader Operator	$ 37.94	26.98
Grader	$ 38.25	26.98
Laborer, Hand Roller	$ 35.96	26.98

IRON0625-001 09/01/2013

	Rates	Fringes
Ironworkers:	$ 34.75	28.41

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 09/01/2014

	Rates	Fringes
Laborers:		
Driller	$ 34.30	16.71
Final Clean Up	$ 24.70	12.54
Gunite/Shotcrete Operator and High Scaler	$ 33.80	16.71
Laborer I	$ 33.30	16.71
Laborer II	$ 30.70	16.71
Mason Tender/Hod Carrier	$ 33.80	16.71
Powderman	$ 34.30	16.71
Window Washer (bosun chair)	$ 32.80	16.71

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 09/01/2014

	Rates	Fringes
Landscape & Irrigation Laborers		
GROUP 1	$ 23.20	10.11
GROUP 2	$ 23.70	10.11
GROUP 3	$ 19.70	10.11

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 09/01/2014

	Rates	Fringes
Underground Laborer		

GROUP 1	$ 33.90	16.71
GROUP 2	$ 35.40	16.71
GROUP 3	$ 35.90	16.71
GROUP 4	$ 36.90	16.71
GROUP 5	$ 37.25	16.71
GROUP 6	$ 37.50	16.71
GROUP 7	$ 37.95	16.71

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 01/01/2015

	Rates	Fringes
Painters:		
Brush	$ 34.60	26.45
Sandblaster; Spray	$ 34.60	26.45

PAIN1889-001 07/01/2014

	Rates	Fringes
Glaziers	$ 34.10	27.29

PAIN1926-001 03/01/2015

	Rates	Fringes
Soft Floor Layers	$ 31.15	25.75

PAIN1944-001 01/01/2015

	Rates	Fringes
Taper	$ 41.00	20.50

PLAS0630-001 09/02/2013

	Rates	Fringes
PLASTERER	$ 37.64	23.22

PLAS0630-002 09/02/2013

	Rates	Fringes
Cement Masons:		
Cement Masons	$ 36.80	23.22
Trowel Machine Operators	$ 36.95	23.22

PLUM0675-001 01/04/2015

	Rates	Fringes

Plumber, Pipefitter, Steamfitter & Sprinkler Fitter...	$ 39.35	24.21

ROOF0221-001 09/07/2014

	Rates	Fringes
Roofers (Including Built Up, Composition and Single Ply).....	$ 38.10	17.13

* SHEE0293-001 03/01/2015

	Rates	Fringes
Sheet metal worker.....	$ 45.82	20.26

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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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 FOR RESURFACING WORK

ITEM NO.	ITEM	APPROX QUANTITY	UNIT	UNIT PRICE	AMOUNT
202.0100	Removal of Existing Railings, End Posts and Guardrails at Culvert Sta. 375+46.20	L.S.	L.S.	L.S.	$_____
202.1001	Removal of Portion of Existing Bridge Deck, Railings, End Posts and Guardrails at Waialee Bridge	L.S.	L.S.	L.S.	$_____
202.1002	Removal of Existing Railings, End Posts and Guardrails at Kuilima-Oio Bridge	L.S.	L.S.	L.S.	$_____
202.1003	Removal of Existing Headwall at Culvert Sta. 560+82	L.S.	L.S.	L.S.	$_____
203.0100	Roadway Excavation	1,200	C.Y.	$ _____	$_____
205.1001	Structure Excavation for Concrete Slab at Waialee Bridge	L.S.	L.S.	L.S.	$_____
205.1002	Structure Excavation for Concrete Slab at Kuilima-Oio Bridge	L.S.	L.S.	L.S.	$_____
205.1003	Structure Excavation for Concrete Slab at Culvert Sta. 560+82	L.S.	L.S.	L.S.	$_____
209.1000	Installation, Maintenance, Monitoring, and Removal of BMP	L.S.	L.S.	L.S.	$_____
209.2000	Additional Water Pollution, Dust, and Erosion Control	F.A.	F.A.	F.A.	$184,000.00
212.0100	Archaeological Monitoring	F.A.	F.A.	F.A.	$70,000.00
301.0100	Hot Mix Asphalt Base Course	11,500	Ton	$ _____	$_____

PROPOSAL SCHEDULE FOR RESURFACING WORK

ITEM NO.	ITEM	APPROX QUANTITY	UNIT	UNIT PRICE	AMOUNT
304.0100	Aggregate Base	L.S.	L.S.	L.S.	$_____
305.0100	Aggregate Subbase	L.S.	L.S.	L.S.	$_____
321.0100	Triaxial Geogrid	800	S.Y.	$ _____	$_____
322.0100	Landscaping Paving Block	280	S.Y.	$ _____	$_____
401.0100	HMA Pavement, Mix No. IV	33,200	Ton	$ _____	$_____
401.0200	HMA Pavement, Mix No. V	55	Ton	$ _____	$_____
414.0100	Excavation of Weakened Pavement Areas	5,500	C.Y.	$ _____	$_____
415.0100	Cold Planing	L.S.	L.S.	L.S.	$_____
416.0100	Paving Grid	1,600	S.Y.	$ _____	$_____
507.9000	Modified Delaware Retrofit at Culvert Sta. 375+46.20	L.S.	L.S.	L.S.	$_____
507.9001	Concrete Railing at Waialee Bridge (Including End Posts)	L.S.	L.S.	L.S.	$_____
507.9002	Concrete Railing at Kuilima-Oio Bridge (Including End Posts)	L.S.	L.S.	L.S.	$_____

PROPOSAL SCHEDULE FOR RESURFACING WORK

ITEM NO.	ITEM	APPROX QUANTITY	UNIT	UNIT PRICE	AMOUNT
507.9003	Modified Delaware Retrofit at Culvert Sta. 560+82	L.S.	L.S.	L.S.	$_____
602.1001	Reinforcing Steel for Concrete Slab at Waialee Bridge	L.S.	L.S.	L.S.	$_____
602.1002	Reinforcing Steel for Concrete Slab at Kuilima-Oio Bridge	L.S.	L.S.	L.S.	$_____
602.1003	Reinforcing Steel for Concerete Slab at Culvert Sta. 560+82	L.S.	L.S.	L.S.	$_____
603.0100	Clean Existing Culverts	F.A.	F.A.	F.A.	$75,000.00
604.0310	Type 1A-9P Grated Drop Inlet, 3.00 feet to 3.99 feet	1	Each	$ _____	$ _____
604.4100	Adjusting Storm Drain Manhole Frame and Cover	2	Each	$ _____	$_____
604.4200	Adjusting Cleanout Frame and Cover	3	Each	$ _____	$_____
604.4300	Adjusting Hawaiian Telcom Manhole Frame and Cover	4	Each	$ _____	$_____
604.4400	Adjusting Water Manhole Frame and Cover	8	Each	$ _____	$_____
604.4500	Adjusting Water Valve Box Frame and Cover	24	Each	$ _____	$_____
604.4600	Adjusting Sewer Manhole Frame and Cover	1	Each	$ _____	$ _____

PROPOSAL SCHEDULE FOR RESURFACING WORK

ITEM NO.	ITEM	APPROX QUANTITY	UNIT	UNIT PRICE	AMOUNT
606.0600	State Furnished Portable Concrete Barrier	L.S.	L.S.	L.S.	$_____
606.0700	Concrete Barrier End Treatment	L.S.	L.S.	L.S.	$_____
606.0800	Movable Steel Barrier (with Manual Jack)	L.S.	L.S.	L.S.	$_____
613.1000	Adjusting Centerline and Reference Survey Monuments	1	Each	$ _____	$_____
617.0100	Planting Soil	17	C.Y.	$ _____	$_____
619.0100	Grass (TifGrand sod)	L.S.	L.S.	L.S.	$_____
623.3060	Traffic Signal Assembly (One-Way, 12-Inch, 1 -3 Section Vertical with Mast Arm Mounting) with LED Signal Lights	2	Each	$ _____	$_____
623.3900	Approach-Only Microwave Vehicle Detector	2	Each	$ _____	$_____
623.4001	Traffic Signal Back Plate (Louvered, Black)	2	Each	$ _____	$_____
623.7051	Loop Detector Sensing Unit (6x6) One Loop	2	Each	$ _____	$_____
623.7052	Loop Detector Sensing Unit (6x6) Two Loops	4	Each	$ _____	$_____
623.7056	Loop Detector Sensing Unit (6x6) Six Loops	2	Each	$ _____	$_____

PROPOSAL SCHEDULE FOR RESURFACING WORK

ITEM NO.	ITEM	APPROX QUANTITY	UNIT	UNIT PRICE	AMOUNT
627.0100	Inertial Barrier System (25 MPH Design at Sta. 375+45 to 375+55)	L.S.	L.S.	L.S.	$_____
627.0200	Inertial Barrier System (45 MPH Design at Sta. 485+21.5 to 485+45.5)	L.S.	L.S.	L.S.	$_____
627.0300	Replacement Inertial Barrier System (25 MPH Design at Sta. 375+45 to 375+55)	L.S.	L.S.	L.S.	$_____
627.0400	Replacement Inertial Barrier System (45 MPH Design at Sta. 485+21.5 to 485+45.5)	L.S.	L.S.	L.S.	$_____
638.0100	Curb, Type 2D	L.S.	L.S.	L.S	$_____
641.0100	Hydro-Mulch Seeding	L.S.	L.S.	L.S.	$_____
643.1000	Maintenance of Existing Landscape Areas	F.A.	F.A.	F.A.	$ 10,000.00
645.0100	Traffic Control	L.S.	L.S.	L.S.	$_____
645.0200	Additional Police Officers, Additional Traffic Control Devices, and Advertisement	F.A.	F.A.	F.A.	$230,000.00
648.0100	Field-Posted Drawings	L.S.	L.S.	L.S.	$_____
676.1001	VESLMC Slab for Waialee Bridge	L.S.	L.S.	L.S.	$_____
676.1002	VESLMC Slab for Kuilima-Oio Bridge	L.S.	L.S.	L.S.	$_____
676.1003	VESLMC Slab for Culvert Sta 560+82	L.S.	L.S.	L.S.	$_____

PROPOSAL SCHEDULE FOR RESURFACING WORK

ITEM NO.	ITEM	APPROX QUANTITY	UNIT	UNIT PRICE	AMOUNT
695.0100	Public Education Materials or Services	F.A.	F.A.	F.A.	$20,000.00
696.1000	Maintenance of Trailers	F.A.	F.A.	F.A.	$50,000.00
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.	$_____

a.	Sum of All Resurfacing Work Items		$_____
b.	Either Furnish Foreign Steel Not to Exceed Minimal Amount (Fill in '0') or Furnish Foreign Steel in Excess of Minimal Amount (Fill in 25% X a)	**	_____
c.	Bid Amount for Resurfacing Work (a+b)	**	_____
	All bidders must fill in b and complete c.		
NOTE:	Bidders must complete all unit prices and amounts. Failure to do so may be grounds for rejection of bid.		

PROPOSAL SCHEDULE FOR SAFETY WORK

ITEM NO.	ITEM	APPROX QUANTITY	UNIT	UNIT PRICE	AMOUNT
209.1001	Installation, Maintenance, Monitoring, and Removal of BMP	L.S.	L.S.	L.S.	$_____
209.2001	Additional Water Pollution, Dust, and Erosion Control	F.A.	F.A.	F.A.	$16,000.00
606.0100	Guardrail, Strong Post W-Beam	L.S.	L.S.	L.S.	$_____
606.0200	Guardrail, Strong Post W-Beam (8' Post)	L.S.	L.S.	L.S.	$_____
606.0300	Guardrail, Type 3 Thrie Beam Transition	L.S.	L.S.	L.S.	$_____
606.0400	Terminal Section, Type FLEAT 350	L.S.	L.S.	L.S.	$_____
606.0500	Terminal Section, Type SKT-350	L.S.	L.S.	L.S.	$_____
615.0110	Double 6-Inch Milled Rumble Strip, Centerline	L.S.	L.S.	L.S.	$_____
615.0400	4-Inch Milled Rumble Strip, Modified Edgeline	L.S.	L.S.	L.S.	$_____
629.1011	Double 4-inch Pavement Striping (Tape, Type I or Thermoplastic Extrusion)	L.S.	L.S.	L.S.	$_____
629.1013	4-Inch Pavement Striping (Tape, Type I or Thermoplastic Extrusion)	L.S.	L.S.	L.S.	$_____
629.1015	4-Inch Pavement Striping (Tape, Type III or Thermoplastic Extrusion)	L.S.	L.S.	L.S.	$_____
629.1016	8-Inch Pavement Striping (Tape, Type I or Thermoplastic Extrusion)	L.S.	L.S.	L.S.	$_____

PROPOSAL SCHEDULE FOR SAFETY WORK

ITEM NO.	ITEM	APPROX QUANTITY	UNIT	UNIT PRICE	AMOUNT
629.1020	12-Inch Pavement Striping (Tape, Type I or Thermoplastic Extrusion)	L.S.	L.S.	L.S.	$_____
629.1022	12-Inch Pavement Striping (Tape, Type III or Thermoplastic Extrusion)	L.S.	L.S.	L.S.	$_____
629.1024	24-Inch Pavement Striping (Tape, Type III or Thermoplastic Extrusion)	L.S.	L.S.	L.S.	$_____
629.1030	Crosswalk Marking (Tape, Type III or Thermoplastic Extrusion)	L.S.	L.S.	L.S.	$_____
629.1040	Pavement Arrows (Tape, Type III or Thermoplastic Extrusion)	L.S.	L.S.	L.S.	$_____
629.1050	Pavement Word (Tape, Type III or Thermoplastic Extrusion)	L.S.	L.S.	L.S.	$_____
629.1060	Pavement Symbol (Shark's Teeth Marking) (Tape, Type III or Thermoplastic Extrusion)	L.S.	L.S.	L.S.	$_____
629.2010	Type "A" Pavement Markers	L.S.	L.S.	L.S.	$_____
629.2020	Type "C" Pavement Markers	L.S.	L.S.	L.S.	$_____
629.2030	Type "D" Pavement Markers	L.S.	L.S.	L.S.	$_____
629.2070	Type "H" Pavement Markers	L.S.	L.S.	L.S.	$_____
629.2080	Type "J" Pavement Markers	L.S.	L.S.	L.S.	$_____
631.5000	Regulatory Sign (10 Square Feet or Less)	L.S.	L.S.	L.S.	$_____

PROPOSAL SCHEDULE FOR SAFETY WORK

ITEM NO.	ITEM	APPROX QUANTITY	UNIT	UNIT PRICE	AMOUNT
631.5001	Regulatory Sign (10 Square Feet or Less) with Post(s)	L.S.	L.S.	L.S.	$_____
631.5003	Regulatory Sign (More than 10 Square Feet) with Post(s)	L.S.	L.S.	L.S.	$_____
631.5100	Warning Sign (10 Square Feet or Less)	L.S.	L.S.	L.S.	$_____
631.5101	Warning Sign (10 Square Feet or Less) With Post(s)	L.S.	L.S.	L.S.	$_____
631.5102	Warning Sign (More than 10 Square Feet) With Post(s)	L.S.	L.S.	L.S.	$_____
631.5400	Directional Sign (10 Square Feet or Less)	L.S.	L.S.	L.S.	$_____
631.5500	Directional Sign (10 Square Feet or Less) with Post(s)	L.S.	L.S.	L.S.	$_____
632.0100	Type 3 Object Marker with Post(s)	L.S.	L.S.	L.S.	$_____
632.0200	Mile Post Marker and Route Number Plate with Post (Bi-Directional)	L.S.	L.S.	L.S.	$_____
645.0101	Traffic Control	L.S.	L.S.	L.S.	$_____
645.0201	Additional Police Officers, Additional Traffic Control Devices, and Advertisement	F.A.	F.A.	F.A.	$20,000.00
699.1001	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.	$_____

PROPOSAL SCHEDULE FOR SAFETY WORK

ITEM NO.	ITEM	APPROX QUANTITY	UNIT	UNIT PRICE	AMOUNT
d.	Sum of All Safety Work Items				$_____
e.	Either Furnish Foreign Steel Not to Exceed Minimal Amount (Fill in '0') or Furnish Foreign Steel in Excess of Minimal Amount (Fill in 25% X d)			**	_____
f.	Bid Amount for Safety Work (d+e)			**	_____
	All bidders must fill in e and complete f.				
NOTE:	Bidders must complete all unit prices and amounts. Failure to do so may be grounds for rejection of bid.				

Total (Sum of All Resurfacing Work and Safety Work Items) to be used for comparison (c+f) $_____

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

June 1, 2015 PRE-BID MEETING MINUTES

Subject: Kamehameha Highway Resurfacing
Dairy Road to Laiewai Bridge
Federal-Aid Project No. NH-083-1(072)

Attendees: See attached list of attendees.

A. The meeting was called to order by Robert Loo (DOT Project Engineer) at about 9:05 a.m. to brief the prospective bidders for the subject project.

B. Reminders:

1. Confirmation of DBE forms and subcontractor listing with dollar amounts are due five (5) days after bid opening. See Page 3 of DBE Requirements.
2. Bidders are reminded that there are two separate proposal schedules in the special provisions (one for resurfacing work and one for safety work) from pages P-8 through P-17. The total to be used for bid comparison is the sum of all resurfacing work and safety work items combined as shown on page P-17.
3. The bid opening date of June 17, 2015 is firm. Bidders are asked to submit questions by the end of this week.
4. There is weekend/night work at the work at the Kuilima Stream Bridge approaches, Waialee Stream Bridge approaches and the concrete slab work at the culvert located at approximately Station 560+00±. There will be possible weekend work for the bus drop off area fronting Kahuku High School.
5. An approved archaeological monitoring plan will be provided by the State. Archaeological monitoring will take place at excavations occurring from Malaekahana Bridge to the end of the project at Laiewai Bridge.

C. Questions:

1. Who can we email questions to?
Engineer email addresses are provided in the Notice to Bidders, Page NB-3.

2. What is UDBE goal for the project?
The UDBE goal is 1% as shown on Page P-1.

3. If the bid opening is firm, what is the last day an addendum will be released?
Addendums will be issued 10 days prior to bid opening.

4. Is most of the project night work?
There is weekend/night work at the work at the Kuilima Stream Bridge approaches, Waialee Stream Bridge approaches, and the concrete slab work at the culvert located at approximately Station 560+00±. There will be possible weekend work for the bus drop off area fronting Kahuku High School.

5. Is archaeological monitoring a force account item?
   Yes, archaeological monitoring is a force account item.

6. Confirm that the intent of the rumble strip detail is that the milled rumble strip will be on the outside of the striping rather than through the striping.
   Confirmed.

7. For temporary movable barriers, the length of the each barrier unit is called out to be 26 feet minimum in the special provisions. Can 13 feet barrier unit length be used?
   The response provided at the meeting was to submit a substitution request. However, the HDOT has revised the Special Provisions to allow for 13 feet minimum barrier unit length. Please refer to revised Special Provisions Section 606.

8. For temporary movable barriers, is 10 feet wide enough for busses since it's a bus route?
   Yes. One (1) or two (2) foot clearances are shown between the striping and the movable barriers for a total of more than 10 feet that would be enough for busses.

9. For temporary movable barriers, special provisions indicate that the barrier system shall meet TL-2 and TL-3 test requirements. If a system meets the TL-3 requirement, can we assume it meets the TL-2 requirement or does a separate letter need to be provided to show it also meets TL-2?
   If a system meets the TL-3 test requirement, it automatically meets the TL-2 requirement. TL-2 does not need to be included in the special provision. HDOT has revised the special provision to allow only systems meeting the TL-3 test requirement. Please refer to revised Special Provision Section 606.

D. Meeting was adjourned at about 9:30 a.m.

E. Prospective bidders (Choice Fence, Inc., Grace Pacific Corp, and Jas W. Glover, Ltd.) had emailed a list of questions. Questions and answers are as follows.

   a. There are no bid items for the guardrail and end terminals as shown on the roadway plans. Are these to incidental to other bid items? If so, which items? There are no bid items for the new signs to be installed per the Pavement Marking Plan sheets. Are these to be incidental to other bid items? If so, which items?
      The guardrail and sign bid items in question begin on Page P-14 under the proposal schedule for safety work.

   b. Sheet 50 shows a typical shoulder construction detail with 3" State IV and 9.5" ATB. Is it possible to change this section to 4" State IV and 8.5" ATB so that the surface can be consistent with the rest of the roadway section?
      The pavement section thicknesses have been updated. Please refer to revised Plan Sheet ADD. 50.

   c. Detail for resurfacing at paved side road and driveways on sheet 11 shows to cold plane and pave 4" up to the ROW. However, the roadway plans seems to show the driveways drawn differently. Some have thick, bold line and is called out as limits of resurfacing, while other driveway are not. Is the intent only to cold plane and

pave the ones that are called out? Please clarify.
Limits of resurfacing called out on the roadway plans for existing driveways or side streets applied only to the ones that are currently paved. The limits of resurfacing shall be to the right of way of all existing paved side roads and paved driveways.

d. Section 212 – Archaeological Monitoring states that all excavation activity for pavement reconstruction between Malaekahana Bridge (Station 1488+62) and Laiewai Bridge (Station 1412+00) shall be monitored for historic remains…. Will the contractor be allowed to excavate these weakened pavement areas by method of cold planing?
Archaeological Monitoring in the area mentioned is required regardless of the method of excavation chosen because the new pavement section may be below the existing base course and the new widened shoulder section was not previously disturbed.

e. The equation stations shown on Sheet 1 do not match the equation stations shown on the roadway plans (Sheet 43, Sheet 46). Which ones are correct?
Equation stations shown on the roadway plans (Plan Sheet ADD. 43 and Plan Sheet 46) shall prevail.

f. On sheet 45, approx station 1420+00 – 1471+50 right, there seems to be a difference between where the edge of shoulder is drawn and the limits of resurfacing. What is the scope of work in this area? There is also a concrete bus pad in this location that is not shown on the plans.
The existing paved area from 1400+00 to 1417+50, Rt. extends to the limits of resurfacing. The scope of work in this area is to cold plane and resurface to the right of way. Verified with prospective bidder that the concrete bus pad is outside of the project limits.

g. On Sheet 46, there is a call out to begin 4' paved shoulder (1416+76 and end 4' paved shoulder (1412+35). The dark line drawn seems to coincide with the existing edge of shoulder. What is the scope of work for this area? Is the intent to widen the shoulder and follow detail A on sheet 11?
Yes, the intent is to widen the shoulder and follow Detail A on Plan Sheet ADD. 11.

h. On Sheet 11 Detail A, what is the upper limit of excavation? Where is the separation between cold planing (LS) and Roadway excavation (CY)?
The upper limit of excavation is from the top of the existing grade. The separation between cold planing and roadway excavation is 1 foot in front of the existing *es* as shown on the typical section on Plan Sheet ADD. 11. Please refer to Plan Sheet ADD. 11 as the pavement section for the shoulder widening Detail A was revised.

i. What is the existing pavement section thicknesses?
The existing pavement section thicknesses vary throughout the project limits and range from 4.5" to 27.5".

j. There are many culverts that are not shown on the plans. Since the deepest reconstruction section is 12.5" does the State anticipate reached the top of the culverts? Some of the culvert crossings look shallow.
The Contractor shall verify the locations of existing culverts as stated on Plan Sheet 3, Note 5. Should the Contractor encounter an existing culvert, then no reconstruction shall occur and cold planing and resurfacing shall be done as shown on the Typical Bridge Section detail on Plan Sheet ADD. 13.

k. On Sheet 42, station 1487+86 – 1487+71 Lt. and 1489+54 – 1489+40 Rt. the call out shows AC curb. Which bid item will the AC Curb be paid under?
Please refer to Plan Sheet 67, Note 1.

l. Is there a ac pavement transition detail for the new concrete approach slabs at 381+63, 485+00 and 560+84?
A typical section has been added for the new concrete approach slabs at Sta. 381+63 and Sta. 485+00. Please refer to revised Plan Sheet ADD. 15. There is no transition detail for the concrete slab at Sta. 560+84 as the AC pavement approaches to the concrete slabs meet at the same grade.

m. Sheet 12 has two details showing triaxial geogrid and non-woven geotextile. Which item will the non-woven geotextile be paid under?
Non-woven geotextile shall be considered incidental to various contract items. Please refer to revised Plan Sheet ADD. 12.

n. None of the pavement sections show paving grid. What is item 416.0100 Pavement Grid for?
Please refer to the Partial Typical Sections on Plan Sheet ADD. 12.

o. On Sheet 14, there are four details. Please clarify the vertical limits of roadway excavation, cold planing, and/or excavation of weakened pavement areas. I can't determine if this gets paid under roadway excavation and/or if part of it is paid under cold planing.
The excavation work shown Plan Sheet 14 shall be considered Roadway Excavation. The vertical limits of the roadway excavation is the top of the existing grade.
There is also a note on the top left detail saying "Removal of existing AC shall be considered incidental to new asphalt concrete". Is this related only to the grade difference between the existing top of grade and new top of grade?
Yes, the note refers to A.C. removal due to the difference in the existing and new top of grades.

p. Both of the bottom details on Sheet 12 also do not show the limits of roadway excavation or if some of it is included in the cold planing.
The limits of cold planing and roadway excavation are at the existing *ep* as shown on Plan Sheet ADD. 12.

q. Regarding the Pavement Design for Reconstruction Areas on Sheet 15, some of these changes in pavement thicknesses occurs within a run of reconstruction section. For

example, there is a reconstruction area at Sta. 623+55 to 625+55 Rt. and per the table on Sheet 15, the reconstruction thickness will be 12.5" thick between Sta. 623+55 to Sta. 624+00 and then 8" thick between Sta. 624+00 to Sta. 625+55. Please confirm if the intention is to have varying thicknesses of reconstruction within a continuous area.
No, that was not the intent. Please refer to revised Plans Sheet ADD. 15 for revised limits.

r. There is an arrow with a missing callout near Kuilima Drive on Sheet 33, please clarify.
Callout was intended to label the bridge name "Kuilima-Oio Stream Bridge." Please refer to Plan Sheet ADD. 33 for revision.

s. For locations where the existing guardrail is to remain, please confirm if the a.c. paving work will be required under and beyond the existing guardrails or if the work will be up to the guardrail face only.
For locations where guardrail will remain, resurfacing work shall be up to the guardrail face only.

t. On Sheet 90, a group of signs near Sta. 648+00 (No Left Turn) and a group of signs near Sta. 655+00 (Crosswalk) do not have a reference to the legend. On Sheet 91, a group of signs near Sta. 671+50 (Crosswalk), a group of signs near Sta. 680+00 (Crosswalk) and a group of signs near Sta. 1487+00 (Adopt a Highway) do not have a reference to the legend. On Sheet 94, a group of signs near Sta. 1436+50 (Stop) does not have a reference to the legend. Please provide the scope of work required for these signs.
Please refer to revised Plan Sheets ADD. 90, ADD. 91, and ADD. 94.

u. Regarding Sheet 36, the area labeled as 106'x11' near Sta. 556+00 is missing from the Reconstruction Area Schedule (East Bound Lanes) on Sheet 24. Please clarify if this area is part of the reconstruction work.
Yes, the reconstruction area on the Eastbound Lane near Sta. 556+00 is a part of the reconstruction work. Please refer to revised Plan Sheet ADD. 24.

v. The scaled dimension of the following reconstruction areas on the Roadway Plan matches the Reconstruction Area Schedule but the callouts on the Roadway Plans do not match the scaled dimension/schedule.
    i. - On Sheet 41, please verify if the area near Sta. 666+00 should be 435'x11' instead of 434'x11'
    ii. - On Sheet 42, please verify if the area near Sta. 671+00 should be 309'x11' instead of 319'x11'
    iii. - On Sheet 43, please verify if the area near Sta. 1463+00 should be 229'x11' instead of 215'x11'
    iv. - On Sheet 44, please verify if the area near Sta. 1460+00 should be 337'x11' instead of 351'x11'

Please refer to revised Plan Sheets ADD. 41, ADD. 42, ADD. 43, and ADD. 44 for revised dimension callouts.

w. The proposal quantity for Item No 414.0100 Excavation of Weakened Pavement Areas seems significantly more than the calculated quantity based on the marked areas on the plans. Please clarify if that is the intent.
Please refer to revised Proposal Schedule.

HIGHWAYS DIVISION

PRE-BID MEETING ATTENDANCE

SUBJECT: Kamehameha Highway Resurfacing
Dairy Road to Laiewai Bridge

FED-AID PROJECT NO.: NH-083-1(072)

DATE, TIME & PLACE: June 1, 2015; 9:00 A.M.; HWY-DD Conference Room

NAME	OFFICE	TELEPHONE
Eriell Agbayani	Road Builders	833-5400
Jason Ames	Grace Pacific	842-3245
Shannon Lee	Jas. W. Glover Ltd.	591-8977 ~~7455~~
Leilani Nakashima	-DB	692-7614
Robert Loo	-DD	692-~~7~~8838
Matthew Matta	Hwy-DR	233-3642
Danny Yee	Hwy-DR	630-7522
Peter Chan	Hwy-TD	692-7680
Julienne Fronda	Hwy-TD	692-7681
Michelle Kwan	Hwy-DD	692-8441
Lr Nah Okita	Hwy-DD	692-7581
Cole Millare	GP Roadway Solutions	216-2456