

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

ADDENDUM NO. 2

FOR

**MOKAPU SADDLE ROAD AND
MOKAPU BOULEVARD RESURFACING
KAPAA QUARRY ROAD TO NORTH KALAHEO AVENUE
FEDERAL AID PROJECT NO. STP-065-1(010)**

**DISTRICT OF HONOLULU
ISLAND OF OAHU**

FY 2012

Amend the Bid Documents as follows:

A. TABLES OF CONTENTS

1. Replace pages 1 to 3 dated 8/24/11 with the attached pages 1 to 3 dated r1/17/12.

B. SPECIAL PROVISIONS

1. Replace pages 312-1a dated 7/01/08 with the attached pages 301-1a dated r12/21/11.
2. Replace pages 401-1a to 401-3a dated 7/11/11 with the attached page 401-1a to 401-4a dated r12/21/11.
3. Add page 645-1a dated r1/05/11.
4. Add page 702-1a dated r12/21/11.
5. Replace the Federal Wage Rates dated 10/14/2011 with the attached Federal Wage Rates dated 1/20/2012.

C. PROPOSAL SCHEDULE

1. Replace pages P-8 to P-12 dated 7/14/11 with the attached pages P-8 to P-12 dated r1/17/12.

D. PLANS

1. Replace Plan Sheet Nos. 2, 3, 11, 23, 29, 30, 36, 46 with the attached Plan Sheet Nos. ADD. 2, ADD. 3, ADD. 11, ADD. 23, ADD. 29, ADD. 30, ADD. 36, and ADD. 46.

E. PRE-BID MEETING

The minutes and attendance sheet for the December 20, 2010 Pre-bid meeting are attached 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.



GLENN M. OKIMOTO, Ph.D.
Director of Transportation

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1 **SECTION 301 – HOT MIX ASPHALT BASE COURSE**

2
3 Make the following amendments to said Sections:

4
5 **(I) Amend Section 301.03(B) Compaction** by revising the second
6 paragraph from lines 84 to 87 to read as follows:

7
8 “Compact mixture immediately upon completion of spreading
9 operations to density of not less than 92.0 percent of maximum theoretical
10 specific gravity in accordance with AASHTO T 209, modified by deletion of
11 Supplemental Procedure for Mixtures Containing Porous Aggregate.”

12
13 **(II) Amend Section 301.04 Measurement** from lines 98 to 100 to read as
14 follows:

15
16 **“301.04 Measurement.**

17
18 The Engineer will measure HMAB course per ton in accordance with
19 contract documents.”

20
21
22 **(III) Amend Section 301.05 Payment,** from lines 102 to 111 to read as
23 follows:

24
25 **“301.05 Payment.** The Engineer will pay for the accepted pay items
26 listed below at the contract price per pay unit, as shown in the proposal schedule.
27 Payment will be full compensation for the work prescribed in this section and the
28 contract documents.

29
30 The Engineer will pay for one of the following pay items when included in
31 the proposal schedule:

32

Pay Item	Pay Unit
Hot Mix Asphalt Base Course	Ton
(1) 80% of the contract unit price upon completion of submitting a job-mix formula acceptable to the Engineer; preparing the surface, spreading, and finishing the mixture; and compacting the mixture by rolling;	
(2) 20% of the contract unit price upon completion of cutting samples from the compacted pavement for testing; placing and compacting the sampled area with new material conforming to the surrounding area; protecting the pavement; and final analysis.”	

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46 **END OF SECTION 301**

1 **SECTION 401 – HOT MIX ASPHALT (HMA) PAVEMENT**

2
3 Make the following amendments to said Sections:

4
5 **(I)** Amend **Section 401.02 Materials**, line items 11-19 to read as follows:

6

7 "Asphalt Cement (PG 64-16)	702.01
8 Emulsified Asphalt	702.04
9 Warm Mix Asphalt Additive	702.06
10 Aggregate for Hot Mix Asphalt Pavement	703.09
11 Filler	703.15
12 Hydrated Lime	712.03"

13
14
15
16
17
18

19 **(II)** Amend **Section 401.02(A) General**, line 21-23 to read as follows:

20
21 **"(A) General.** HMA pavement shall be plant mixed and shall
22 include mixture of aggregate and asphalt cement, and may include
23 reclaimed asphalt pavement (RAP) or filler, or both. The
24 manufacture of HMA shall include warm mix asphalt (WMA)
25 processes in accordance with these specifications. WMA
26 processes may include combinations of organic additives, chemical
27 additives, and foaming."
28

29 **(III)** Amend **Section 401.02(A) General**, line 36-37 to read as follows:

30
31 "In surface and binder courses, aggregate for HMA may include
32 RAP quantities up to 20 percent of total mix weight."
33

34 **(IV)** Amend **Section 401.02(C) Submittals**, line items 89+ to include the
35 following:

36
37 " The Contractor shall use warm mix asphalt (WMA)
38 processes in the production of HMA. The Contractor shall submit
39 to the Engineer for approval the proposed process and how it will
40 be used in the manufacture of HMA. The process submittal shall
41 include the temperature range of the WMA."
42

43 **(V)** Amend **Section 401.03(B)(3) Asphalt Pavers**, from line 200 to include
44 the following:
45

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

53
54 The following specific requirements shall apply to the
55 identified bituminous pavers:

- 56
57 (1) Blaw-Knox bituminous pavers shall be
58 equipped with the Blaw-Knox Materials
59 Management Kit (MMK).
60
61 (2) Cedarapids bituminous pavers shall be those
62 that were manufactured in 1989 or later.
63
64 (3) Barber-Green/Caterpillar bituminous pavers
65 shall be equipped with deflector plates as
66 identified in the December 2000 Service
67 Magazine entitled “New Asphalt Deflector Kit
68 {6630, 6631, 6640}”.

69
70 Prior to the start of using the paver for placing plant mix, the
71 Contractor shall submit for approval a full description in writing of
72 the means and methodologies that will be used to prevent
73 bituminous paver segregation. Use of the paver shall not
74 commence prior to receiving approval from the Engineer.

75
76 The Contractor shall supply a Certificate of Compliance that
77 verifies that the approved means and methods used to prevent
78 bituminous paver segregation have been implemented on all
79 pavers used on the project and is working in accordance with the
80 manufacturer’s requirements.”

81
82 **(VI) Amend Section 401.03(F)(1) HMA Pavement Courses One and a**
83 **Half Inches Thick Or Greater, from line 499 to 505 to read as follows:**

84
85 **“(1) HMA Pavement Courses One and a Half Inches Thick Or**
86 **Greater.** Where HMA pavement compacted thickness indicated
87 in the contract documents is 1-1/2 inches or greater, compact to not
88 less than 92.0 percent nor greater than 97.0 percent of the
89 maximum specific gravity determined in accordance with AASHTO
90 T 209, modified by deletion of Supplemental Procedure for Mixtures
91 Containing Porous Aggregate.”

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

“(3) HMA Pavement Courses One and a Half Inches Thick or Greater In Special Areas Not Designated For Vehicular Traffic.

For areas such as bikeways that are not part of roadway and other areas not subjected to vehicular traffic, compact to not less than 90.0 percent of maximum specific gravity determined in accordance with AASHTO T 209, modified by deletion of Supplemental Procedure for Mixtures Containing Porous Aggregate. Increase asphalt content by at least 0.5 percent above that used for HMA pavements designed for vehicular traffic.”

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

“401.04 Measurement.

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

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

(IX) Amend **Section 401.05 Payment**, from line 605 to 635, to read as follows:

“401.05 Payment. The Engineer will pay for the accepted pay items listed below at the contract price per pay unit, as shown in the proposal schedule. Payment will be full compensation for the work prescribed in this section and the contract documents.

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

Pay Item	Pay Unit
----------	----------

(A) HMA Pavement, with Warm Mix Processes	Ton
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(1) 80% of the contract unit price upon completion of submitting a job-mix formula acceptable to the Engineer; preparing the surface, spreading, and finishing the mixture; and compacting the mixture;

(2) 20% of the contract unit price upon completion of cutting samples from the compacted pavement for testing; placing and compacting the sampled area with new material conforming to the surrounding area; protecting the pavement; and final analysis.

(B) Leveling Course Ton

(1) 80% of the contract unit price upon completion of submitting a job-mix formula acceptable to the Engineer; preparing the surface, spreading, and finishing the mixture; and compacting the mixture;

(2) 20% of the contract unit price upon completion of cutting samples from the compacted pavement for testing; placing and compacting the sampled area with new material conforming to the surrounding area; protecting the pavement; and final analysis.

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

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

END OF SECTION 401

1 **SECTION 645 - WORK ZONE TRAFFIC CONTROL**

2
3 Make the following amendments to said Section:

4
5 **(I) Amend Subsection 645.03(F) – Lane Closures** by revising lines 248 to 251
6 to read as follows:

7
8 **“(F) Lane Closures.** Lane closures will be allowed only during the
9 following hours:

10
11 **Kapaa Quarry Road to Oneawa Street**

12
13

<u>1-lane closure</u>	<u>Eastbound</u>	<u>Westbound</u>
Monday to Friday	8:30 A.M. – 2:00 P.M.	8:30 A.M. – 3:00 P.M.

14
15
16

17 **Oneawa Street to N. Kalaheo Ave.**

18
19

<u>1-lane closure</u>	Both Directions
Monday to Friday	8:30 A.M. – 3:00 P.M.

20
21
22

23 Contractor may implement alternate traffic control operations (e.g.,
24 contraflow) within the project limits, as accepted by the Engineer.

25
26 Contractor shall notify and coordinate with affected property
27 owners prior to any lane closures and/or detours at no increase in contract
28 price or contract time.

29
30 Exceptions to lane closure hours specified require written
31 acceptance by the Engineer. No increase in contract price or contract
32 time will be given for lane closure restrictions specified.”

33
34
35 **END OF SECTION 645**
36

1 **SECTION 702 – BITUMINOUS MATERIALS**
2

3 Make the following amendments to said Sections:
4
5

6 **(I)** Amend **Section 702.06 (Unassigned)**, from lines 23 to 24 to read as
7 follows:
8

9 **"702.06 Warm Mix Asphalt (WMA) Additive.** Additive for WMA shall be
10 approved by the Engineer."
11
12
13
14

15 **END OF SECTION 702**

General Decision Number: HI120001 01/20/2012 HI1

Superseded General Decision Number: HI20100001

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

Modification Number	Publication Date
0	01/06/2012
1	01/13/2012
2	01/20/2012

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 04/01/2010

	Rates	Fringes
BOILERMAKER.....	\$ 31.92	21.42

BRHI0001-001 08/29/2011

	Rates	Fringes
BRICKLAYER Bricklayers and Stonemasons.	\$ 33.90	22.62
Pointers, Caulkers and Weatherproofers.....	\$ 34.15	22.62

BRHI0001-002 08/29/2011

	Rates	Fringes
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Tile, Marble & Terrazzo Worker		
Terrazzo Base Grinders.....	\$ 32.34	22.62
Terrazzo Floor Grinders and Tenders.....	\$ 30.79	22.62
Tile, Marble and Terrazzo Workers.....	\$ 34.15	22.62

CARP0745-001 08/29/2011

	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.....	\$ 38.00	19.62
Millwrights and Machine Erectors.....	\$ 38.25	19.62
Power Saw Operators (2 h.p. and over).....	\$ 38.15	19.62

CARP0745-002 08/29/2011

	Rates	Fringes
Drywall and Acoustical Workers and Lathers.....	\$ 38.25	19.62

ELEC1186-001 02/20/2011

	Rates	Fringes
Electricians:		
Cable Splicers.....	\$ 44.33	26.41
Electricians.....	\$ 40.30	25.18
Telecommunication worker....	\$ 23.20	17%+\$6.35

ELEC1186-002 02/20/2011

	Rates	Fringes
Line Construction:		
Cable Splicers.....	\$ 44.33	24.67
Groundmen/Truck Drivers.....	\$ 30.22	20.89
Heavy Equipment Operators...	\$ 36.27	22.50
Linemen.....	\$ 40.30	23.57
Telecommunication worker....	\$ 23.20	17%+\$6.35

* ELEV0126-001 01/01/2012

	Rates	Fringes
ELEVATOR MECHANIC.....	\$ 50.63	23.535+a+b

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 08/29/2011

	Rates	Fringes
Diver (Aqua Lung) (Scuba)		
Diver (Aqua Lung) (Scuba)		
(over a depth of 30 feet)...	\$ 58.75	23.94
Diver (Aqua Lung) (Scuba)		
(up to a depth of 30 feet)...	\$ 49.38	23.94
Stand-by Diver (Aqua Lung)		
(Scuba).....	\$ 40.00	23.94
Diver (Other than Aqua Lung)		
Diver (Other than Aqua Lung).....	\$ 58.75	23.94
Diver Tender (Other than Aqua Lung).....	\$ 36.97	23.94
Stand-by Diver (Other than Aqua Lung).....	\$ 40.00	23.94
Helicopter Work		
Airborne Hoist Operator for Helicopter.....	\$ 38.55	23.94
Co-Pilot of Helicopter.....	\$ 38.69	23.94
Pilot of Helicopter.....	\$ 38.86	23.94
Power equipment operator - tunnel work		
GROUP 1.....	\$ 34.99	23.94
GROUP 2.....	\$ 35.10	23.94
GROUP 3.....	\$ 35.27	23.94
GROUP 4.....	\$ 35.54	23.94
GROUP 5.....	\$ 35.85	23.94
GROUP 6.....	\$ 36.50	23.94
GROUP 7.....	\$ 36.82	23.94
GROUP 8.....	\$ 36.93	23.94
GROUP 9.....	\$ 37.04	23.94
GROUP 9A.....	\$ 37.27	23.94
GROUP 10.....	\$ 37.33	23.94
GROUP 10A.....	\$ 37.48	23.94
GROUP 11.....	\$ 37.63	23.94
GROUP 12.....	\$ 37.99	23.94
GROUP 12A.....	\$ 38.35	23.94
Power equipment operators:		
GROUP 1.....	\$ 34.69	23.94
GROUP 2.....	\$ 34.80	23.94
GROUP 3.....	\$ 34.97	23.94
GROUP 4.....	\$ 35.24	23.94
GROUP 5.....	\$ 35.55	23.94
GROUP 6.....	\$ 36.20	23.94
GROUP 7.....	\$ 36.52	23.94
GROUP 8.....	\$ 36.63	23.94
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GROUP 10.....	\$ 37.03	23.94
GROUP 10A.....	\$ 37.18	23.94
GROUP 11.....	\$ 37.33	23.94
GROUP 12.....	\$ 37.69	23.94

GROUP 12A.....	\$ 38.05	23.94
GROUP 13.....	\$ 34.97	23.94
GROUP 13A.....	\$ 35.24	23.94
GROUP 13B.....	\$ 35.55	23.94
GROUP 13C.....	\$ 36.20	23.94
GROUP 13D.....	\$ 36.52	23.94
GROUP 13E.....	\$ 36.63	23.94

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 Loader and 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, Liebherr, 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 08/29/2011

	Rates	Fringes
Dredging: (Boat Operators)		
Boat Deckhand.....	\$ 34.97	23.94
Boat Operator.....	\$ 37.18	23.94
Master Boat Operator.....	\$ 37.33	23.94
Dredging: (Clamshell or Dipper Dredging)		
GROUP 1.....	\$ 37.69	23.94
GROUP 2.....	\$ 37.03	23.94
GROUP 3.....	\$ 36.63	23.94
GROUP 4.....	\$ 34.97	23.94
Dredging: (Derricks)		
GROUP 1.....	\$ 37.69	23.94
GROUP 2.....	\$ 37.03	23.94
GROUP 3.....	\$ 36.63	23.94
GROUP 4.....	\$ 34.97	23.94
Dredging: (Hydraulic Suction Dredges)		
GROUP 1.....	\$ 37.33	23.94
GROUP 2.....	\$ 37.18	23.94

GROUP 3.....	\$ 37.03	23.94
GROUP 4.....	\$ 36.97	23.94
Group 5.....	\$ 36.63	23.94
Group 6.....	\$ 36.52	23.94
Group 7.....	\$ 34.97	23.94

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 08/30/2010

	Rates	Fringes
Power Equipment Operators (PAVING)		
(10) Cold Planer.....	\$ 36.03	23.43
(10) Loader (2 1/2 cu. yds. and under).....	\$ 36.03	23.43
(10) Soil Stabilizer.....	\$ 36.03	23.43
(11) Loader (over 2 1/2 cu. yds. to and including 5 cu. yds.).....	\$ 36.33	23.43
(3) Roller Operator (five tons and under).....	\$ 33.97	23.43
(5) Screed Person.....	\$ 34.55	23.43
(6) Combination Loader/Backhoe (up to 3/4 cu.yd.).....	\$ 35.20	23.43
(6) Concrete Saws and/or Grinder (self-propelled unit on streets, highways, airports and canals).....	\$ 35.20	23.43
(6) Roller Operator (over five tons).....	\$ 35.20	23.43
(7) Combination Loader/Backhoe (over 3/4 cu.yd.).....	\$ 35.52	23.43

(8) Asphalt Plant Operator..\$ 35.63	23.43
Asphalt Concrete Material	
Transfer.....\$ 34.87	23.18
Asphalt Raker.....\$ 33.91	23.18
Asphalt Spreader Operator...\$ 35.39	23.18
Grader.....\$ 35.70	23.18
Laborer, Hand Roller.....\$ 31.14	23.18

IRON0625-001 09/01/2011

	Rates	Fringes
Ironworkers:.....\$ 33.75		28.01
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 08/29/2011

	Rates	Fringes
Laborers:		
Driller.....\$ 31.30		15.91
Final Clean Up.....\$ 21.70		11.47
Gunit Operator & High		
Scaler.....\$ 30.80		15.91
Laborer I.....\$ 30.30		15.91
Laborer II.....\$ 27.70		15.91
Powderman.....\$ 31.30		15.91
Window Washer (bosun chair)..\$ 29.80		15.91

LABORERS CLASSIFICATIONS

Laborer I: Asbestos Removal Worker (EPA certified workers); 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, Welding, Signalling, Choke Setting, and Rigging in connection with Laborers' work (except demolition); 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; 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; Falling, bucking, yarding, loading or burning of all trees or timber on construction site; Forklift (9 ft. and under); 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, or heat welding for sewer 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); Installation of lightweight backfill; Jackhammer Operator; Jacking of slip forms: All semi and unskilled work connected therewithin; Laying of all multi-cell conduit or multi-purpose pipe; Lead base paint abatement laborers (EPA certified workers); Magnesite and Mastic Workers (Wet or Dry) (including mixer operator); Mason Tender, 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 Assessment 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, 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 Contractor 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 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); 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; 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: Air Blasting; Appliance Handling (job site) (after delivery and unloading in storage area); Asphalt Plant Laborer; Backfilling; Grading and all other labor connected therewith; Boring Machine; Bridge Laborer; Burning of all debris (crates, boxes, packaging waste materials); Chainman, Rodmen, and Grade Markers; Cleaning and Clearing of all debris; 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; Cleanup of Grounds and Buildings (other than "Light Clean-Up") (Janitorial Laborer); Clean-up of right-of-way; Clearing and slashing of brush or trees by hand or mechanical cutting; 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); Cribbers, Shorer, Lagging, Sheeting, and Trench Jacking and Bracing, Hand-Guided Lagging Hammer Whaling Bracing; 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, burning or cutting, breaking away, cleaning and removal of all masonry, wood or metal fixtures for salvage or scrap, All hooking, unhooking, signaling of materials for salvage or scrap removed by crane or derrick; Digging under streets, roadways, aprons or other paved surfaces; Chuck Tender, Outside Nipper; Dry-packing of concrete (plugging and filling of she-bolt holes); Excavation, Preparation of street ways and bridges; Fence and/or Guardrail Erector: Dismantling and/or re-installation of all fence; Finegrader; Firewatcher; Flagman (Coning, preparing, establishing and removing portable roadway barricade devices); Signal Men on all construction work defined herein, including Traffic Control Signal Men at construction site; Garbage and Debris Handlers and Cleaners; Gas, Pneumatic, and Electric Tools, not listed Group 1 (except Rototiller); General Clean-up: sweeping, cleaning, washdown, wiping of construction facility, and equipment (other than "Light Clean-up" [Janitorial] Laborer); General Excavation and Grading (all 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; General Laborer; Ground and Soil Treatment Work (Pest Control); Junk Yard Laborers (same as Salvage Yard); Landscape Nursery Laborers; 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 signalling 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 (including Hod Carrier); 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; Removal of surplus material; 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 (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; Sheet Piling/trench shoring (handling and placing of skip sheet or wood plank trench shoring); Ship Scales; 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; Stripper (Asphalt, Concrete or other Paved Surfaces); Tagging and Signaling of all building materials into high-rise units; 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 and false work.

LABO0368-002 08/29/2011

	Rates	Fringes
Landscape & Irrigation Laborers		
GROUP 1.....	\$ 21.70	8.52
GROUP 2.....	\$ 22.20	8.52
GROUP 3.....	\$ 18.20	8.52

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 of landscaping 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 performance of other types of gardening, yardman, and horticultural-related work.

LABO0368-003 08/29/2011

	Rates	Fringes
Underground Laborer		
GROUP 1.....	\$ 30.90	15.91
GROUP 2.....	\$ 32.40	15.91
GROUP 3.....	\$ 32.90	15.91
GROUP 4.....	\$ 33.90	15.91
GROUP 5.....	\$ 34.15	15.91
GROUP 6.....	\$ 34.25	15.91
GROUP 7.....	\$ 34.50	15.91

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 Cabetenders; 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 01/01/2012

	Rates	Fringes
Painters:		
Brush.....	\$ 33.60	24.30
Sandblaster; Spray.....	\$ 33.60	24.30

PAIN1889-001 07/01/2011

	Rates	Fringes
Glaziers.....	\$ 32.05	24.22

PAIN1926-001 07/01/2011

	Rates	Fringes
Soft Floor Layers.....	\$ 28.12	20.98

PAIN1944-001 01/01/2012

	Rates	Fringes
Taper.....	\$ 40.00	16.90

PLAS0630-001 08/29/2011

	Rates	Fringes
PLASTERER.....	\$ 34.69	22.62

PLAS0630-002 08/29/2011

	Rates	Fringes
Cement Masons:		
Cement Masons.....	\$ 33.85	22.62
Trowel Machine Operators....	\$ 34.00	22.62

PLUM0675-001 07/03/2011

	Rates	Fringes
Plumber, Pipefitter, Steamfitter & Sprinkler Fitter...	\$ 36.10	22.26

ROOF0221-001 09/25/2011

	Rates	Fringes
Roofers (Including Built Up, Composition and Single Ply).....	\$ 36.10	16.13

SHEE0293-001 08/28/2011

	Rates	Fringes
Sheet metal worker.....	\$ 34.65	21.71

 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 union or non-union.

Union Identifiers

An identifier enclosed in dotted lines beginning with
 characters other than "SU" denotes that the union
 classification and rate have found to be prevailing for that
 classification. Example: PLUM0198-005 07/01/2011. The
 first four letters, PLUM, indicate the international union and
 the four-digit number, 0198, that follows 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. The date, 07/01/2011, following these
 characters is the effective date of the most current
 negotiated rate/collective bargaining agreement which would be
 July 1, 2011 in the above example.

Union prevailing wage rates will be updated to reflect any
 changes in the collective bargaining agreements governing the
 rate.

Non-Union Identifiers

Classifications listed under an "SU" identifier were derived
 from survey data by computing average rates and are not union

rates; however, the data used in computing these rates may include both union and non-union data. Example: SULA2004-007 5/13/2010. SU indicates the rates are not union rates, LA indicates the State of Louisiana; 2004 is the year of the survey; and 007 is an internal number used in producing the wage determination. A 1993 or later date, 5/13/2010, indicates the classifications and rates under that identifier were issued as a General Wage Determination on that date.

Survey wage rates will remain in effect and will not change until a new survey is conducted.

WAGE DETERMINATION APPEALS PROCESS

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

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

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

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

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

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

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

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

3.) If the decision of the Administrator is not favorable, an

interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

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

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

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END OF GENERAL DECISION

PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
202.0100	Removal of Existing Signs and Posts	L.S.	L.S.	L.S.	\$ _____
209.0100	Installation, Maintenance, Monitoring, and Removal of BMP	L.S.	L.S.	L.S.	\$ _____
209.0200	Additional Water Pollution, Dust, and Erosion Control	F.A.	F.A.	F.A.	\$ <u>80,000.00</u>
301.0100	Hot Mix Asphalt Base Course	350	Ton	\$ _____	\$ _____
401.0100	HMA Pavement, with Warm Mix Processes	17,264	Ton	\$ _____	\$ _____
401.0200	Leveling Course	200	Ton	\$ _____	\$ _____
411.0100	Concrete Pavement	L.S.	L.S.	L.S.	\$ _____
414.0100	Excavation of Weakened Pavement Areas	412	C.Y.	\$ _____	\$ _____
415.0100	Cold Planing	L.S.	L.S.	L.S.	\$ _____
416.0100	Paving Grid	L.S.	L.S.	L.S.	\$ _____
603.9000	Clean Existing Culverts	F.A.	F.A.	F.A.	\$ <u>25,000.00</u>
604.1000	Type "1" Catch Basin (1.00 to 1.99 feet)	1	Each	\$ _____	\$ _____
604.4000	Adjusting Storm Drain Manhole Frame and Cover	1	Each	\$ _____	\$ _____
606.0100	Guardrail Type 3 – Strong Post W-Beam Guardrail	L.S.	L.S.	L.S.	\$ _____
606.0200	Terminal Section Type SKT-350, ET-2000, Fleet 350, or Equivalent	L.S.	L.S.	L.S.	\$ _____

ADDENDUM NO. 2

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PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
616.0100	Permanent Irrigation System	L.S.	L.S.	L.S.	\$ _____
616.0200	Roadway Trench	L.S.	L.S.	L.S.	\$ _____
617.0100	Imported Planting Soil	L.S.	L.S.	L.S.	\$ _____
618.0100	Soil Preparation	L.S.	L.S.	L.S.	\$ _____
618.0200	Imported Compost	L.S.	L.S.	L.S.	\$ _____
619.0110	Rainbow Shower Tree (Cassia x nealiae)	L.S.	L.S.	L.S.	\$ _____
619.0120	Monkeypod Tree (Samanea saman)	L.S.	L.S.	L.S.	\$ _____
619.0130	Loulu Palm (Pritchardia 'Hillebrandii' or 'remota')	L.S.	L.S.	L.S.	\$ _____
619.0140	Saint Augustine Grass Sod (Stenotaphrum secundatum)	L.S.	L.S.	L.S.	\$ _____
619.0150	Bark Mulch	L.S.	L.S.	L.S.	\$ _____
623.3900	Approach-Only Microwave Vehicle Detector	6	Each	\$ _____	\$ _____
623.7051	Loop Detector Sensing Unit (6x6) One Loop	2	Each	\$ _____	\$ _____
623.7052	Loop Detector Sensing Unit (6x6) Two Loop	4	Each	\$ _____	\$ _____
623.7054	Loop Detector Sensing Unit (6x6) Four Loop	3	Each	\$ _____	\$ _____
623.7056	Loop Detector Sensing Unit (6x6) Six Loop	5	Each	\$ _____	\$ _____

ADDENDUM NO. 2

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PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
624.1000	Water Systems	L.S.	L.S.	L.S.	\$ _____
626.1000	Adjusting Water Manhole Frame and Cover	L.S.	L.S.	L.S.	\$ _____
626.2000	Adjusting Water Standard Valve Box	L.S.	L.S.	L.S.	\$ _____
626.3000	Adjusting Sewer Manhole Frame and Cover	L.S.	L.S.	L.S.	\$ _____
629.1010	Double 4-Inch Pavement Striping (Tape, Type I or Thermoplastic Extrusion)	L.S.	L.S.	L.S.	\$ _____
629.1011	4-Inch Pavement Striping (Tape, Type I or Thermoplastic Extrusion)	L.S.	L.S.	L.S.	\$ _____
629.1013	8-Inch Pavement Striping (Tape, Type I or Thermoplastic Extrusion)	L.S.	L.S.	L.S.	\$ _____
629.1020	12-Inch Pavement Striping (Tape, Type I or Thermoplastic Extrusion)	L.S.	L.S.	L.S.	\$ _____
629.1025	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 Arrow (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.	\$ _____
629.2010	Type "A" Pavement Markers	L.S.	L.S.	L.S.	\$ _____
629.2030	Type "C" Pavement Markers	L.S.	L.S.	L.S.	\$ _____

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PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
629.2040	Type "D" Pavement Markers	L.S.	L.S.	L.S.	\$ _____
629.2070	Type "H" Pavement Markers	L.S.	L.S.	L.S.	\$ _____
629.2090	Type "F" Pavement Markers	L.S.	L.S.	L.S.	\$ _____
631.5000	Regulatory Sign (10 Square Feet or Less)	L.S.	L.S.	L.S.	\$ _____
631.5001	Warning Sign (10 Square Feet or Less)	L.S.	L.S.	L.S.	\$ _____
631.5100	Regulatory Sign (10 Square Feet or Less) with Post	L.S.	L.S.	L.S.	\$ _____
631.5101	Warning Sign (10 Square Feet or Less) with Post	L.S.	L.S.	L.S.	\$ _____
631.7000	Relocation of Existing Sign	L.S.	L.S.	L.S.	\$ _____
631.7100	Relocation of Existing Sign with Post	L.S.	L.S.	L.S.	\$ _____
634.0100	Portland Cement Concrete Sidewalk	L.S.	L.S.	L.S.	\$ _____
638.1000	Curb & Gutter, Type 2DG	L.S.	L.S.	L.S.	\$ _____
638.2000	Curb & Gutter, Modified Type 2DG	L.S.	L.S.	L.S.	\$ _____
643.1000	Maintenance of Existing Landscape Areas	F.A.	F.A.	F.A.	\$ <u>10,000.00</u>
645.0100	Traffic Control	L.S.	L.S.	L.S.	\$ _____
645.0200	Additional Police Officers, Additional Traffic Control Devices, and Advertisement	F.A.	F.A.	F.A.	\$ <u>110,000.00</u>

ADDENDUM NO. 2

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PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
648.0100	Field-Posted Drawings	L.S.	L.S.	L.S.	\$ _____
650.1000	Curb Ramps, Modified Type B	L.S.	L.S.	L.S.	\$ _____
696.1000	Maintenance of Field Office	F.A.	F.A.	F.A.	\$ <u>25,000.00</u>
699.1000	Mobilization (Not to Exceed 6 Percent of the Sum of All Items Excluding the Bid Price of this Item)	L.S.	L.S.	L.S.	\$ _____
<p>a. Sum of All Items</p>					\$ _____
<p>b. Either Furnish Foreign Steel Not to Exceed Minimal Amount (Fill in '0') or Furnish Foreign Steel in Excess of Minimal Amount (Fill in 25% x a)</p>					\$ _____
<p>c. Amount for Comparison of Bids (a + b)</p>					\$ _____
<p>All bidders must fill in b and complete c</p>					
<p>NOTE: Bidders must complete all unit prices and amounts. Failure to do so may be grounds for rejection of bid.</p>					

December 20, 2010 PRE-BID MEETING MINUTES

Subject: Mokapu Saddle Road and Mokapu Boulevard Resurfacing
Kapaa Quarry Road to North Kalaheo Avenue
Federal Aid Project No. STP-065-1(010)

Attendees: See attached lists of attendees

The meeting was called to order by Kwok Ng (DOT Project Engineer) at about 9:30 a.m. to brief the prospective bidders for the subject project. Questions and answers are as follows.

1. Bidder questioned the nominal aggregate size of Warm Mix Asphalt.
The nominal maximum aggregate size is the same as Mix IV (1/2 inch).
2. Bidder asked if it is possible to replace Glassphalt with Asphalt Concrete Base as Glassphalt is not available.
Glassphalt will be revised. See Addendum No. 1 for clarification.
3. Bidder asked if it is possible to revise the thickness of base course to 3 inches minimum.
No.
4. Bidder questioned on Proposal Item No. 208.1000 and note 11 on Plan Sheet No. 2.
Proposal Item No. 208.1000 will be deleted but note 11 on Plan Sheet No. 2 will remain. See Addendum No.1 for clarification.
5. Bidder requested clarification for the type of Mix for leveling course.
Use Mix V for leveling course.
6. Bidder asked if there will be any night work.
No
7. Bidder asked if contra-flowing traffic allowed during construction.
Yes. See Addendum No.1 for clarification.
8. Bidder asked if the trees that are removed could be reused.
No.
9. Bidder asked if certified Arborist required for landscaping work. Yes
Yes.
10. Bidder asked about the type of pay item for Cleaning of Existing Culverts.
Cleaning of Existing Culverts will be paid under Force Account.
11. Bidder asked if the project a Federal Stimulation project.
No.

HIGHWAYS DIVISION

PRE-BID MEETING ATTENDANCE

SUBJECT: Mokapu Saddle Road and Mokapu Boulevard Resurfacing

Kapaa Quarry Road to North Kalaheo Avenue

PROJ. NO.: STP-065-1(010)

DATE, TIME & PLACE: December 20, 2011; 9:30 A.M.; HWY-DD Conference Room

[illegible]