

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

**ADDENDUM NO. 1
for
PIILANI HIGHWAY TRAFFIC OPERATION IMPROVEMENTS
AT OHUKAI ROAD
PROJECT NO. CMAQ-031-1(012)**

The following amendments shall be made to the Bid Documents:

A. PLANS

1. Replace Plan Sheet Nos. 4, 32, 37, 47, 48, 49, and 50 with the attached Plan Sheet Nos. ADD. 4, ADD. 32, ADD. 37, ADD. 47, ADD. 48, ADD. 49, and ADD. 50.
2. Add attached Plan Sheet No. ADD. 39S-1.

B. SPECIAL PROVISIONS

1. Replace Table of Contents dated 2/26/13 with the attached Table of Contents dated 4/10/13.
2. Replace SECTION 622 – ROADWAY LIGHTING SYSTEM, Pages 622-1a through 622-3a dated 02/26/13 with the attached SECTION 622 – ROADWAY LIGHTING SYSTEM, Pages 622-1a through 622-8a dated 4/10/13.

C. FEDERAL WAGE RATES

1. Replace FEDERAL WAGE RATES, Pages 1 through 19 dated 02/18/13 with the attached FEDERAL WAGE RATES, Pages 1 through 19 dated 04/10/13.

D. PROPOSAL SCHEDULE

1. Replace PROPOSAL SCHEDULE, Pages P-8 through P-13 dated 02/26/13 with the attached PROPOSAL SCHEDULE, Pages P-8 through P-13 dated 4/10/13.

E. PRE-BID MEETING MINUTES

1. Attached are the April 3, 2013 Pre-bid Meeting Minutes and Attendance Sheet for your information.

Addendum No. 1
4/10/13

F. REQUESTS FOR INFORMATION AND RESPONSES

1. Question: Are there any night work restrictions or will the contractor be allowed to work at night?

Response: No night work will be allowed.

2. Question: Please confirm that the soils testing and monitoring is to be provided by the State?

Response: Soils testing and monitoring will be provided by the State.

3. Question: Is a soils report available for this project?

Response: No.

4. Question: According to the plan sheet C-19 it appears that trenching for the new traffic signal conduits will cut thru the existing traffic loops. Is the contractor required to install any temporary measures or does the State have the ability to put the signal on a timer?

Response: Contractor shall install temporary measures to maintain traffic signal actuation.

5. Question: The 510 CY quantity of Road Excavation (Item 203.0100) does not match the 696 CY quantity illustrated on the cross sections (Sheets XS01-XS04). Can you please confirm this quantity?

Response: Quantity of Road Excavation revised in the proposal schedule.

6. There does not appear to be a bid item for new Street Light Foundations. Is this to part of the Force Account Item No. 622.0060?

Response: No. See revised Proposal Schedule.

7. Question: Please confirm what bid items the removal of TSL Pole and Foundation and the removal of TSPB as illustrated on Sheet C-1 are to be included in.

Response: See Note No. 22 on Sheet 35.

8. Question: There does not appear to be a bid item for the relocation of existing reflector post (Item G of signing legend on C-15) and as shown of C-16. Please clarify.

Response: See Note No. 6 on Sheet ADD. 32.

9. Question: There does not appear to be a bid item for the new RM-2 on post (Item I of signing legend on C-15) and as show on C-16. Please clarify.

Response: See Note No. 7 on Sheet ADD. 32.

10. Question: Are the portable concrete barriers illustrated on sheet C-25 to be provided by the State or is the contractor to provide? If contractor provided, does the contractor retain ownership at the end of the project or do the barriers become the property of the State?

Response: Contractor shall provide portable concrete barriers. At the end of the project the barriers will belong to the contractor.

11. Question: Would water filled barriers be allowed in lieu of concrete barriers?

Response: No.

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 Amend **Section 622 - Roadway Lighting System** to read as follows:

2
3 **"SECTION 622 - ROADWAY LIGHTING SYSTEM**

4
5 **622.01 Description.** This work includes furnishing and installing a roadway
6 lighting system according to the contract.

7
8 This work includes furnishing and installing metal lamp posts with
9 brackets, luminaires, breakaway support couplings, lamps, electrical conductors
10 and conduits, fittings, concrete bases, pullboxes, and other materials necessary
11 for operating and controlling the roadway lighting system and for salvaging and
12 relocating existing roadway lights and furnishing and installing all materials
13 necessary to connect the relocated lights to the existing light circuits according to
14 the contract.

15
16 Furnish and install the incidental parts necessary to complete the roadway
17 lighting system as though the contract showed such parts.

18
19 Electrical equipment shall conform to the NEMA Standards. Material and
20 workmanship shall conform to the latest requirements of the "National Electrical
21 Code," herein referred as the Code; General Order Nos. 6 and 10, of the Hawaii
22 Public Utilities Commission; the standards of the ASTM; the ANSI; Local Joint
23 Pole Agreement; local power company rules; and local ordinances that may
24 apply.

25
26 **622.02 Materials.** Materials shall conform to the following:

27		
28	Pullboxes	712.06(B)
29		
30	Conduits	712.27
31		
32	Light Poles	712.28
33		
34	Luminaires	712.29
35		
36	Light Sources	712.32
37		
38	Cables, Conductors and Wires	712.34
39		
40	Disconnect and Protective Devices	712.35
41		
42	Photo Control	712.36
43		

44 Concrete shall conform to Section 601 - Structural Concrete and shall be
45 Class B.

46
47 Stainless steel anchor bolts and steel plate covers shall be structural steel
48 conforming to ASTM A 325 and A 36 respectively.
49

50 Crossarms, hardware, and anchoring materials shall be of a type normally
51 stocked and used for similar purpose by local public utility companies.
52

53 Materials will be subject to inspection. Failure of the Engineer to note
54 faulty material or workmanship during construction will not relieve the
55 responsibility of the Contractor for removing or replacing such materials and
56 redoing the work at no cost to the State.
57

58 **622.03 Construction Requirements.**

59

60 **(A) Equipment List and Drawings.** Within 10 days following the
61 award of the contract, the Contractor shall submit to the Engineer for
62 acceptance 6 copies of a list of materials and equipment that the
63 Contractor will incorporate in the work. The list shall include the name of
64 the manufacturer, size and catalog number of the unit, detailed scale
65 drawings and wiring diagrams of special equipment, and proposed
66 deviations from the contract. If required, submit for acceptance samples
67 of the material that the Contractor will use at no cost to the State.
68

69 Upon completion of the work, submit an 'As Built' plan showing in
70 detail construction changes.
71

72 **(B) Excavation and Backfill.** Excavation and backfill shall conform to
73 Section 206 - Excavation and Backfill for Conduits and Structures.
74

75 Excavate carefully to prevent damage to pavements, sidewalks,
76 and other improvements.
77

78 **(C) Installation.**

79

80 **(1) Foundations.** Concrete for foundations of metal lamp posts
81 shall be Class B.
82

83 Locations of metal lamp posts shown in the contract are
84 approximate only. The Engineer will decide the exact location in
85 the field.
86

87 Forms shall be true to the lines and grades as accepted.
88 Forms shall be rigid and securely braced in place.
89

Place the conduit ends and anchor bolts in proper position, placed in proper height, and held in place by a template until the concrete sets. Cure the concrete for not less than 72 hours.

(2) **Metal Lamp Standards.** Install each metal lamp standard on a concrete foundation. Set the shaft precisely vertical by adjusting the two nuts on each anchor bolt, while the bracket shall be perpendicular to the roadway centerline.

After the lamp standard is in its proper position, place the grout under the base plate shown in the contract. Form the exposed portions to present a neat appearance.

Grout includes one part by volume of portland cement and three parts of beach sand.

Install metal lamp standards with breakaway design features at the locations shown in the contract. Install the standards with breakaway design features according to the manufacturer's recommendations and shown in the contract.

(3) **Mast Arms.** Install each mast arm on the metal pole shown in the contract. The mast arms shall be in a plane perpendicular to the roadway centerline.

(4) **Luminaires.** Install the roadway lighting luminaires on lamp posts and mast arms with the vertical axis perpendicular to the roadway and longitudinal axis parallel to the roadway centerline.

(5) **Circuits.** Encase the cables installed underground or in concrete rigid barrier type guard rail in conduits or other accepted encasement.

Before installing the wires and cables in conduits, pull a wire brush, swab and mandrel through each conduit for the removal of extraneous matter and verification of the absence of obstructions and debris from the conduit system.

Pull the cables directly from their cores or reels into the conduits. Do not pull off and lay the cable on the ground before installation. Make the pulls in one direction only. Lubricants used shall be as recommended by the cable manufacturer or accepted by the Engineer.

134 Do not leave wires or cables under tension nor tight against
135 bushings or fittings. Remove damaged ends resulting from the use
136 of pulling grips soon after pulling the cable. Maintain the cable end
137 seals. Do not pull open-ended cables through the conduits.
138 Cables shall be continuous from pulling point to pulling point. The
139 Engineer will not permit splices from pulling point to pulling point.
140 Make splices, taps and terminations with pressure-indented
141 connectors or lugs as appropriate or specified in the contract.
142

143 When requiring splicing, join the conductors by a 'western
144 union' type splice or by using an accepted connector. Use the
145 connectors for splicing conductors, No. 8 AWG or larger. Solder
146 the "western union" type splice by the pouring or dipping method.
147 Cable splices and termination shall be according to the cable
148 manufacturer's recommendation. Submit the cable manufacturer's
149 splicing instruction sheets for acceptance.
150

151 Trim the conductor insulation to a conical shape. Roughen
152 the conductor insulation before applying splice insulation. Splice
153 insulation includes layers of thermoplastic electrical insulating tape
154 not over 0.007 inches thick conforming to Federal Specification
155 MIL-7798. Apply the splice insulation a thickness equal to and well
156 lapped over the original insulation. Leave at least 2 feet of slack for
157 each conductor at each splice.
158

159 **(6) Bonding and Grounding.** Secure the metallic cable
160 sheaths, conduits and lamp posts mechanically and electrically to
161 form a continuous system. Ground them effectively as specified in
162 the Code and in the contract.
163

164 **(7) Pullboxes.** Install pullboxes at the locations shown in the
165 contract.
166

167 Install pullboxes so that the covers are level with the curb or
168 sidewalk grade or 1 inch above the existing ground.
169

170 Install pullboxes on the parapet so that the covers are
171 flushed with the concrete railing.
172

173 Give frames and covers two coats of asphaltic base paint
174 after installation.
175

176 **(8) Conduits.** Lay the polyvinyl chloride (PVC) conduits
177 carefully in trenches prepared to receive the conduits. Conduits

under roadway areas and driveways shall be PVC, Schedule 80 or shown in the contract.

Lay the conduit that will be placed in concrete structure or encased in concrete to the required lines and grades. Support the conduit rigidly in place by masonry material, manufactured conduit spacers, or other accepted means. Wire the conduit so that the Contractor will not dislodge the conduit during the placing and tamping of the concrete. The thickness of the concrete around the conduits shall be shown in the contract. Use only hand shovels in compacting the concrete. Cure the concrete jackets for at least 36 hours before permitting vehicular traffic.

Install the PVC coated galvanized rigid steel conduit according to Article 344 of the Code. Use white and tinted ready-mixed paint on the threads of joints. Repair zinc-coated surfaces according to Subsection 501.03(G)(2) - Repairing of Damaged Zinc-Coated Surfaces.

Install rigid PVC conduit according to Article 354 of the Code. PVC conduit connections shall be of the solvent-weld type. Make solvent-weld joints according to the conduit manufacturer's recommendations and as accepted by the Engineer. The Engineer will permit pre-assembling sections of conduit.

Make directional changes in non-metallic conduit runs such as bends and changes to clear obstructions with curved segments using accepted deflection couplings or with short lengths of straight ducts and couplings. The deflection angle between two adjacent lengths of duct shall not exceed 6° and the bends shall not have a radius of less than 12 times the nominal size of the conduit unless using factory-made ells.

Thread the fittings for connecting non-metallic conduits to rigid metal conduits on the side that will be connected to the metal conduit. Metal conduits entering pullboxes shall end in insulating grounding bushings. Non-metallic conduits shall end in end bells.

Cap or plug and mark the ends of conduits shown or specified. Provide each conduit run with a No. 10 gage flexible zinc-coated pull wire or 1/8 inch polyolefin line extending uninterrupted through handholes for the entire length of run. Double an additional 2 feet of wire or polyolefin line back into the conduit at both ends of the run.

Ends of conduit runs shall extend at least 24 inches past the face of curb or edge of pavement, unless the ends end in

pullboxes. Locate the ends accurately by special markers, markings on curbs or as specified by the Engineer.

Keep the interior of conduits clean during the construction. Plug the ends of conduits to keep the ends clear during and after construction. Install the conduits to drain toward a pullbox. The Contractor may consider a single run to drain toward both ends.

(D) **Painting.** Furnish the metal poles and mast arms in natural finish. The metal poles and mast arms require no painting.

(E) **Electric Service.** During relocation, reconstruction or other improvements of existing roadway lighting facilities, keep the existing roadway lighting system operational in its entirety during hours of darkness. Schedule the work accordingly and provide a temporary lighting system if necessary, to keep the project area illuminated during the hours of darkness.

(F) **Field Test.** Before acceptance of the work, make the following tests on lighting circuits, in the presence of the Engineer.

(1) Test for continuity of each circuit.

(2) Test for grounds in each circuit.

(3) A megger test on each circuit between the circuit and ground. The insulation resistance shall not be less than the values specified in Table 622-I when measured with an instrument having a voltage rating of 500 volts.

TABLE 622-I - INSULATION RESISTANCE	
Cable or Circuit	Minimum Resistance (ohms)
No. 14 - No. 12 wire	1,000,000
25 to 50 amperes	250,000
51 to 100 amperes	100,000
101 to 200 amperes	50,000
201 to 400 amperes	25,000
401 to 800 amperes	12,000
over 800 amperes	5,000

(4) A functional test to show that each part of the system functions according to the contract.

Correct the faults in the material or the installation revealed by these tests at no cost to the State. Repeat the tests until no fault appears.

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(G) **Salvaging Electrical Equipment.** The contract directs the Contractor to Section 202 - Removal of Structures and Obstructions, regarding existing highway facilities. When shown in the contract or specified by the Engineer, remove and salvage the existing electrical equipment including luminaires, standards, mast arms, ballasts, transformers, service equipment, and pullboxes, otherwise the existing electrical equipment shall become the property of the Contractor and the Contractor shall remove and dispose of the existing electrical equipment at no cost to the State.

Underground conduits, conductors and foundations not reused in the work shall become the property of the Contractor. Remove them from the highway right-of-way at no cost to the State.

When removing a foundation on outside the roadbed area, completely remove the foundation. Backfill the resulting hole with material equivalent to the surrounding material.

622.04 Measurement.

(A) Street light pole concrete base conduits, and pullboxes will be paid on a lump sum basis. Measurement for payment will not apply.

622.05 Payment. The Engineer will pay for the accepted pay items listed below on Lump Sum Basis as shown in proposal schedule. Payment will be full compensation for work prescribed in this section and contract documents.

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

Pay Item	Pay Unit
_____ Street Light Pole	Lump Sum
_____ Conduits Including Trenching & Backfilling	Lump Sum
_____ Street Light Pole Concrete Base	Lump Sum
_____ Street Light Pullbox	Lump Sum
_____ Meter Pedestal	Lump Sum
_____ Street Light Conductors	Lump Sum

306 Remove _____ Street Light Concrete Base

Lump Sum

307

308 Remove _____ Street Light Pullboxes

Lump Sum

309

310

END OF SECTION 622

General Decision Number: HI130001 04/05/2013 HI1

Superseded General Decision Number: HI20120001

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	01/04/2013
1	01/11/2013
2	02/15/2013
3	03/15/2013
4	03/29/2013
5	04/05/2013

ASBE0132-001 08/29/2010

	Rates	Fringes
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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
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BOILERMAKER.....	\$ 35.20	27.35
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BRHI0001-001 09/03/2012

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

BRHI0001-002 09/03/2012

	Rates	Fringes
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Tile, Marble & Terrazzo Worker		
Terrazzo Base Grinders.....	\$ 33.79	22.92
Terrazzo Floor Grinders		
and Tenders.....	\$ 30.74	22.92
Tile, Marble and Terrazzo		
Workers.....	\$ 35.60	22.92

CARP0745-001 09/03/2012

	Rates	Fringes
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Carpenters:

Carpenters; Hardwood Floor		
Layers; Patent Scaffold		
Erectors (14 ft. and		
over); Piledrivers;		
Pneumatic Nailers; Wood		

Shinglers and Transit and/or Layout Man.....	\$ 39.25	19.92
Millwrights and Machine Erectors.....	\$ 39.50	19.92
Power Saw Operators (2 h.p. and over).....	\$ 39.40	19.92

CARP0745-002 09/03/2012

	Rates	Fringes
Drywall and Acoustical Workers and Lathers.....	\$ 39.50	19.92

ELEC1186-001 02/17/2013

	Rates	Fringes
Electricians:		
Cable Splicers.....	\$ 45.27	26.40
Electricians.....	\$ 41.15	25.14
Telecommunication worker....	\$ 23.20	17%+6.35

ELEC1186-002 02/17/2013

	Rates	Fringes
Line Construction:		
Cable Splicers.....	\$ 45.27	26.40
Groundmen/Truck Drivers.....	\$ 30.86	21.99
Heavy Equipment Operators...	\$ 37.04	23.88
Linemen.....	\$ 41.15	25.14
Telecommunication worker....	\$ 23.20	17%+\$6.35

* ELEV0126-001 01/01/2013

	Rates	Fringes
ELEVATOR MECHANIC.....	\$ 51.21	25.185+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 09/03/2012

	Rates	Fringes
Diver (Aqua Lung) (Scuba))		
Diver (Aqua Lung) (Scuba) (over a depth of 30 feet)...	\$ 60.00	26.76
Diver (Aqua Lung) (Scuba) (up to a depth of 30 feet)..	\$ 50.63	26.76
Stand-by Diver (Aqua Lung) (Scuba).....	\$ 41.25	26.76
Diver (Other than Aqua Lung)		
Diver (Other than Aqua Lung).....	\$ 60.00	26.76
Diver Tender (Other than Aqua Lung).....	\$ 38.22	26.76
Stand-by Diver (Other than Aqua Lung).....	\$ 41.25	26.76
Helicopter Work		
Airborne Hoist Operator for Helicopter.....	\$ 39.80	26.76
Co-Pilot of Helicopter.....	\$ 39.94	26.76
Pilot of Helicopter.....	\$ 40.11	26.76
Power equipment operator - tunnel work		
GROUP 1.....	\$ 36.24	26.76
GROUP 2.....	\$ 36.35	26.76
GROUP 3.....	\$ 36.52	26.76
GROUP 4.....	\$ 36.79	26.76
GROUP 5.....	\$ 37.10	26.76
GROUP 6.....	\$ 37.75	26.76
GROUP 7.....	\$ 38.07	26.76
GROUP 8.....	\$ 38.18	26.76

GROUP 9.....	\$ 38.29	26.76
GROUP 9A.....	\$ 38.52	26.76
GROUP 10.....	\$ 38.58	26.76
GROUP 10A.....	\$ 38.73	26.76
GROUP 11.....	\$ 38.88	26.76
GROUP 12.....	\$ 39.24	26.76
GROUP 12A.....	\$ 39.60	26.76
Power equipment operators:		
GROUP 1.....	\$ 35.94	26.76
GROUP 2.....	\$ 36.05	26.76
GROUP 3.....	\$ 36.22	26.76
GROUP 4.....	\$ 36.49	26.76
GROUP 5.....	\$ 36.80	26.76
GROUP 6.....	\$ 37.45	26.76
GROUP 7.....	\$ 37.77	26.76
GROUP 8.....	\$ 37.88	26.76
GROUP 9.....	\$ 37.99	26.76
GROUP 9A.....	\$ 38.22	26.76
GROUP 10.....	\$ 38.28	26.76
GROUP 10A.....	\$ 38.43	26.76
GROUP 11.....	\$ 38.58	26.76
GROUP 12.....	\$ 38.94	26.76
GROUP 12A.....	\$ 39.30	26.76
GROUP 13.....	\$ 36.22	26.76
GROUP 13A.....	\$ 36.49	26.76
GROUP 13B.....	\$ 36.80	26.76
GROUP 13C.....	\$ 37.45	26.76
GROUP 13D.....	\$ 37.77	26.76
GROUP 13E.....	\$ 37.88	26.76

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 09/03/2012

Rates

Fringes

Dredging: (Boat Operators)		
Boat Deckhand.....	\$ 36.22	26.76
Boat Operator.....	\$ 38.43	26.76
Master Boat Operator.....	\$ 38.58	26.76
Dredging: (Clamshell or Dipper Dredging)		
GROUP 1.....	\$ 38.94	26.76
GROUP 2.....	\$ 38.28	26.76
GROUP 3.....	\$ 37.88	26.76
GROUP 4.....	\$ 36.22	26.76
Dredging: (Derricks)		
GROUP 1.....	\$ 38.94	26.76
GROUP 2.....	\$ 38.28	26.76
GROUP 3.....	\$ 37.88	26.76
GROUP 4.....	\$ 36.22	26.76
Dredging: (Hydraulic Suction Dredges)		
GROUP 1.....	\$ 38.58	26.76
GROUP 2.....	\$ 38.43	26.76
GROUP 3.....	\$ 38.28	26.76
GROUP 4.....	\$ 38.22	26.76
Group 5.....	\$ 36.63	23.94
GROUP 5.....	\$ 37.88	26.76
Group 6.....	\$ 36.52	23.94
GROUP 6.....	\$ 37.77	26.76
Group 7.....	\$ 34.97	23.94
GROUP 7.....	\$ 36.22	26.76

CLAMSHELL OR DIPPER DREDGING CLASSIFICATIONS

GROUP 1: Clamshell or Dipper Operator.
GROUP 2: Mechanic or Welder; Watch Engineer.
GROUP 3: Barge Mate; Deckmate.
GROUP 4: Bargeman; Deckhand; Fireman; Oiler.

HYDRAULIC SUCTION DREDGING CLASSIFICATIONS

GROUP 1: Leverman.
GROUP 2: Watch Engineer (steam or electric).
GROUP 3: Mechanic or Welder.
GROUP 4: Dozer Operator.
GROUP 5: Deckmate.
GROUP 6: Winchman (Stern Winch on Dredge)
GROUP 7: Deckhand (can operate anchor scow under direction of
Deckmate); Fireman; Leveeman; Oiler.

DERRICK CLASSIFICATIONS

GROUP 1: Operators (Derricks, Piledrivers and Cranes).
GROUP 2: Saurman Type Dragline (over 5 cubic yards).
GROUP 3: Deckmate; Saurman Type Dragline (up to and
including 5 yards).
GROUP 4: Deckhand, Fireman, Oiler.

ENGI0003-044 09/03/2012

	Rates	Fringes
Power Equipment Operators (PAVING)		
(10) Cold Planer.....	\$ 37.75	26.23
(10) Loader (2 1/2 cu. yds. and under).....	\$ 36.92	26.23
(10) Soil Stabilizer.....	\$ 37.75	26.23
(11) Loader (over 2 1/2 cu. yds. to and including 5 cu. yds.).....	\$ 37.24	26.23
(3) Roller Operator (five tons and under).....	\$ 35.69	26.23
(5) Screed Person.....	\$ 36.92	26.23
(6) Combination Loader/Backhoe (up to 3/4 cu.yd.).....	\$ 34.98	26.23
(6) Concrete Saws and/or Grinder (self-propelled unit on streets, highways, airports and canals).....	\$ 36.92	26.23
(6) Roller Operator (over five tons).....	\$ 37.12	26.23
(7) Combination Loader/Backhoe (over 3/4		

cu.yd.).....	\$ 35.96	26.23
(8) Asphalt Plant Operator..	\$ 37.35	26.23
Asphalt Concrete Material		
Transfer.....	\$ 36.92	26.23
Asphalt Raker.....	\$ 35.96	26.23
Asphalt Spreader Operator...	\$ 37.44	26.23
Grader.....	\$ 37.75	26.23
Laborer, Hand Roller.....	\$ 33.19	26.23

IRON0625-001 09/01/2012

	Rates	Fringes
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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 09/03/2012

	Rates	Fringes
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Laborers:		
Driller.....	\$ 32.30	15.96
Final Clean Up.....	\$ 22.70	11.67
Gunit Operator & High		
Scaler.....	\$ 31.80	15.96
Laborer I.....	\$ 31.30	15.96
Laborer II.....	\$ 28.70	15.96
Powderman.....	\$ 32.30	15.96
Window Washer (bosun chair).	\$ 30.80	15.96

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 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, 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 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; Sheeting Piling/trench shoring (handling and placing of skip sheet or wood plank trench shoring); Ship Scalers; 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); 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 an false work.

LAB00368-002 09/03/2012

	Rates	Fringes
Landscape & Irrigation Laborers		
GROUP 1.....	\$ 22.15	8.99
GROUP 2.....	\$ 22.65	8.99
GROUP 3.....	\$ 18.65	8.99

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

LAB00368-003 09/03/2012

	Rates	Fringes
Underground Laborer		
GROUP 1.....	\$ 31.90	15.96
GROUP 2.....	\$ 33.40	15.96
GROUP 3.....	\$ 33.90	15.96
GROUP 4.....	\$ 34.90	15.96
GROUP 5.....	\$ 35.25	15.96
GROUP 6.....	\$ 35.50	15.96
GROUP 7.....	\$ 35.95	15.96

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 07/01/2012

	Rates	Fringes
Painters:		
Brush.....	\$ 34.10	25.35
Sandblaster; Spray.....	\$ 34.10	25.35

PAIN1889-001 07/01/2012

	Rates	Fringes
Glaziers.....	\$ 32.65	25.27

PAIN1926-001 02/26/2012

	Rates	Fringes
Soft Floor Layers.....	\$ 28.89	21.46

PAIN1944-001 01/01/2013

	Rates	Fringes
Taper.....	\$ 40.00	18.65

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 01/06/2013

	Rates	Fringes
Plumber, Pipefitter, Steamfitter & Sprinkler Fitter...	\$ 37.60	23.26

ROOF0221-001 11/04/2012

	Rates	Fringes
Roofers (Including Built Up, Composition and Single Ply).....	\$ 36.10	16.75

SHEE0293-001 09/02/2012

	Rates	Fringes
Sheet metal worker.....	\$ 36.10	22.21

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.

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 rates.

0000/9999: weighted union wage rates will be published annually each January.

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 majority 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.	BASIC BID ITEMS	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
201.0100	CLEARING AND GRUBBING	L.S.	L.S.	L.S.	\$ _____
202.0420	REMOVAL OF EXISTING TRAFFIC SIGNS	L.S.	L.S.	L.S.	\$ _____
202.0430	REMOVAL OF EXISTING CULVERT HEADWALL	L.S.	L.S.	L.S.	\$ _____
202.0440	REMOVAL OF EXISTING CONCRETE ISLANDS	L.S.	L.S.	L.S.	\$ _____
202.0450	REMOVAL OF EXISTING PAVEMENT	L.S.	L.S.	L.S.	\$ _____
203.0100	ROADWAY EXCAVATION	696	C.Y.	\$ _____	\$ _____
206.0100	EXCAVATION FOR 48-PIPE AND GRP APRON	L.S.	L.S.	L.S.	\$ _____
206.0200	EXCAVATION FOR 18-PIPE AND 61214 GDI	L.S.	L.S.	L.S.	\$ _____
206.0300	EXCAVATION FOR TYPE C DRAIN MANHOLE	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.	\$ 30,000.00
212.0100	ARCHAEOLOGICAL MITIGATION	F.A.	F.A.	F.A.	\$ 50,000.00
304.0100	AGGREGATE BASE	L.S.	L.S.	L.S.	\$ _____
305.0100	AGGREGATE SUBBASE	L.S.	L.S.	L.S.	\$ _____
401.0400	HMA PAVEMENT, MIX NO. IV	L.S.	L.S.	L.S.	\$ _____
603.0100	BED COURSE MATERIAL FOR CULVERT	L.S.	L.S.	L.S.	\$ _____
603.0110	BED COURSE MATERIAL FOR DRAIN PIPE	L.S.	L.S.	L.S.	\$ _____

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PROPOSAL SCHEDULE					
ITEM NO.	BASIC BID ITEMS	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
603.0200	18-INCH REINFORCED CONCRETE PIPE, CLASS IV	L.S.	L.S.	L.S.	\$ _____
603.0300	48-INCH CORRUGATED METAL PIPE, SHEET THICKNESS, 0.109-INCH	L.S.	L.S.	L.S.	\$ _____
604.5100	TYPE 61214P GRATED DROP INLET, 4.00 FEET TO 4.99 FEET	1	EACH	\$ _____	\$ _____
604.9000	TYPE C STORM DRAIN MANHOLES, 4.00 FEET TO 4.99 FEET	1	EACH	\$ _____	\$ _____
606.1100	GUARDRAIL TYPE 3 - STRONG POST WITH W-BEAM	L.S.	L.S.	L.S.	\$ _____
606.1110	TERMINAL SECTION TYPE W-BEAM END SECTION (ROUNDED RWE03a)	L.S.	L.S.	L.S.	\$ _____
606.7000	TERMINAL SECTION TYPE W-BEAM (FLEAT-350)	L.S.	L.S.	L.S.	\$ _____
612.0100	GROUTED RUBBLE PAVING	L.S.	L.S.	L.S.	\$ _____
622.0010	STREET LIGHT POLES	L.S.	L.S.	L.S.	\$ _____
622.0020	STREET LIGHT PULLBOX	L.S.	L.S.	L.S.	\$ _____
622.0025	STREET LIGHT CONDUCTORS	L.S.	L.S.	L.S.	\$ _____
622.0030	2-INCH CONCRETE JACKETED (SCH 40 PVC) CONDUITS INCLUDING TRENCHING AND BACKFILLING	L.S.	L.S.	L.S.	\$ _____
622.0035	STREET LIGHT CONCRETE BASE	L.S.	L.S.	L.S.	\$ _____
622.0040	REMOVE STREET LIGHT PULLBOXES	L.S.	L.S.	L.S.	\$ _____
622.0045	METER PEDESTAL	L.S.	L.S.	L.S.	\$ _____

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PROPOSAL SCHEDULE					
ITEM NO.	BASIC BID ITEMS	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
622.0050	REMOVE STREET LIGHT CONCRETE BASE	L.S.	L.S.	L.S.	\$ _____
622.0060	STREET LIGHT POLES AND CONDUCTORS PROVIDED BY MAUI ELECTRIC COMPANY	F.A.	F.A.	F.A.	\$ 20,000.00
623.2010	TYPE I TRAFFIC SIGNAL STANDARD, H=10 FT	6	EACH	\$ _____	\$ _____
623.2020	TYPE II TRAFFIC SIGNAL STANDARD WITH 40-FOOT MAST ARM	4	EACH	\$ _____	\$ _____
623.2030	FOUNDATION FOR TYPE I SIGNAL STANDARD	6	EACH	\$ _____	\$ _____
623.2040	FOUNDATION FOR TYPE II SIGNAL STANDARD	4	EACH	\$ _____	\$ _____
623.3000	TRAFFIC SIGNAL ASSEMBLY (ONE WAY, 12-INCH, ONE VERTICAL WITH SLIPFITTER MOUNTING)	2	EACH	\$ _____	\$ _____
623.3030	TRAFFIC SIGNAL ASSEMBLY (ONE WAY, 12-INCH, ONE VERTICAL WITH BRACKET MOUNTING)	3	EACH	\$ _____	\$ _____
623.3040	TRAFFIC SIGNAL ASSEMBLY (TWO WAY, 12-INCH, TWO VERTICAL WITH BRACKET MOUNTING)	2	EACH	\$ _____	\$ _____
623.3060	TRAFFIC SIGNAL ASSEMBLY (ONE WAY, 12-INCH, ONE VERTICAL WITH MAST ARM MOUNTING)	8	EACH	\$ _____	\$ _____
623.3080	TRAFFIC SIGNAL ASSEMBLY (ONE WAY, 12-INCH, ONE VERTICAL, PROGRAMMABLE VISIBILITY HEAD WITH MAST ARM MOUNTING)	4	EACH	\$ _____	\$ _____
623.4000	PEDESTRIAN COUNTDOWN SIGNAL ASSEMBLY (ONE WAY, 12-INCH, ONE VERTICAL WITH SLIPFITTER MOUNTING)	4	EACH	\$ _____	\$ _____
623.4020	PEDESTRIAN COUNTDOWN SIGNAL ASSEMBLY (ONE WAY, 12-INCH, ONE VERTICAL WITH BRACKET MOUNTING)	2	EACH	\$ _____	\$ _____
623.4040	PEDESTRIAN PUSH BUTTON WITH INSTRUCTION SIGN	6	EACH	\$ _____	\$ _____

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PROPOSAL SCHEDULE					
ITEM NO.	BASIC BID ITEMS	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
623.4050	EVP OPTICAL RECEIVER WITH MAST ARM MOUNTING	4	EACH	\$ _____	\$ _____
623.5100	TRAFFIC SIGNAL DUCTLINE, ONE 2-INCH CONDUIT, SCH 40 PVC, CONCRETE ENCASED	130	L.F.	\$ _____	\$ _____
623.5105	TRAFFIC SIGNAL DUCTLINE, THREE 2-INCH CONDUIT, SCH 40 PVC, CONCRETE ENCASED	75	L.F.	\$ _____	\$ _____
623.5110	TRAFFIC SIGNAL DUCTLINE, FOUR 2-INCH CONDUIT, SCH 40 PVC, CONCRETE ENCASED	50	L.F.	\$ _____	\$ _____
623.5150	TRAFFIC SIGNAL DUCTLINE, FIVE 2-INCH CONDUIT, SCH 40 PVC, CONCRETE ENCASED	375	L.F.	\$ _____	\$ _____
623.5190	TRAFFIC SIGNAL DUCTLINE, EIGHT 2-INCH CONDUIT, SCH 40 PVC, CONCRETE ENCASED	15	L.F.	\$ _____	\$ _____
623.6010	TYPE B PULLBOX	7	EACH	\$ _____	\$ _____
623.6020	TYPE C PULLBOX	1	EACH	\$ _____	\$ _____
623.7001	TYPE 1, NO. 14, 26-CONDUCTOR TRAFFIC CONTROL CABLE	891	L.F.	\$ _____	\$ _____
623.7002	TYPE 2, NO. 14, 2-CONDUCTOR LOOP DETECTOR LEAD-IN CABLE	1080	L.F.	\$ _____	\$ _____
623.7003	TYPE 6, NO. 6, 3-CONDUCTOR POWER CABLE	10	L.F.	\$ _____	\$ _____
623.7004	TYPE 7, EVP CABLE	490	L.F.	\$ _____	\$ _____
623.7042	LOOP DETECTOR SENSING UNIT (6 FT x 6 FT) TWO LOOPS	2	EACH	\$ _____	\$ _____
623.7044	LOOP DETECTOR SENSING UNIT (6 FT x 6 FT) FOUR LOOPS	4	EACH	\$ _____	\$ _____
623.7045	LOOP DETECTOR SENSING UNIT (6 FT x 6 FT) SIX LOOPS	2	EACH	\$ _____	\$ _____

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PROPOSAL SCHEDULE					
ITEM NO.	BASIC BID ITEMS	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
629.1011	4-INCH PAVEMENT STRIPING (TAPE, TYPE I OR THERMOPLASTIC EXTRUSION)	L.S.	L.S.	L.S.	\$ _____
629.1012	4-INCH DOUBLE YELLOW 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.	\$ _____
629.1014	12-INCH PAVEMENT STRIPING (TAPE, TYPE I OR THERMOPLASTIC EXTRUSION)	L.S.	L.S.	L.S.	\$ _____
629.1020	CROSSWALK MARKING (TAPE, TYPE III OR THERMOPLASTIC EXTRUSION)	L.S.	L.S.	L.S.	\$ _____
629.1030	PAVEMENT ARROW (TAPE, TYPE III OR THERMOPLASTIC EXTRUSION)	L.S.	L.S.	L.S.	\$ _____
629.1040	PAVEMENT WORD (TAPE, TYPE III OR THERMOPLASTIC EXTRUSION)	L.S.	L.S.	L.S.	\$ _____
629.1060	YIELD LINE (TAPE, TYPE III OR THERMOPLASTIC EXTRUSION)	L.S.	L.S.	L.S.	\$ _____
629.2010	TYPE C RAISED PAVEMENT MARKER	L.S.	L.S.	L.S.	\$ _____
629.2020	TYPE D RAISED PAVEMENT MARKER	L.S.	L.S.	L.S.	\$ _____
629.2030	TYPE H RAISED PAVEMENT MARKER	L.S.	L.S.	L.S.	\$ _____
631.5000	MAST ARM MOUNTED STREET NAME SIGN	L.S.	L.S.	L.S.	\$ _____
631.5100	REGULATORY SIGN (10 SQ. FT. OR LESS)	L.S.	L.S.	L.S.	\$ _____
631.5200	TRAFFIC SIGNAL MOUNTED REGULATORY SIGN	L.S.	L.S.	L.S.	\$ _____

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PROPOSAL SCHEDULE					
ITEM NO.	BASIC BID ITEMS	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
631.5300	RELOCATION OF EXISTING REGULATORY SIGN	L.S.	L.S.	L.S.	\$ _____
645.1000	TRAFFIC CONTROL	L.S.	L.S.	L.S.	\$ _____
645.2000	ADDITIONAL POLICE OFFICERS, ADDITIONAL TRAFFIC CONTROL DEVICES, AND ADVERTISEMENT	F.A.	F.A.	F.A.	\$ 30,000.00
648.0100	FIELD-POSTED DRAWINGS	L.S.	L.S.	L.S.	\$ _____
650.0110	CURB RAMP, TYPE E INCLUDING CONCRETE ISLAND NO. 1	1	EACH	\$ _____	\$ _____
650.0120	CURB RAMP, TYPE E INCLUDING CONCRETE ISLAND NO. 2	1	EACH	\$ _____	\$ _____
650.0130	CURB RAMP, TYPE E INCLUDING CONCRETE ISLAND NO. 3	1	EACH	\$ _____	\$ _____
650.0140	CURB RAMP, TYPE E INCLUDING CONCRETE ISLAND NO. 4	1	EACH	\$ _____	\$ _____
696.1000	FIELD OFFICE TRAILER (NOT TO EXCEED \$32,000.00)	L.S.	L.S.	L.S.	\$ _____
696.2000	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 BID PRICE OF THIS ITEM AND FORCE ACCOUNT ITEMS)	L.S.	L.S.	L.S.	\$ _____
A. SUM OF ALL 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. AMOUNT FOR COMPARISON OF BIDS (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.					

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
MEETING MINUTES

DATE: April 3, 2013 TIME: 9:00 a.m.

LOCATION: Department of Transportation
Highways Division
650 Palapala Drive, Maui District Conference Room
Kahului, Hawaii 96732

PROJECT: Piilani Highway
Traffic Operation Improvements
At Ohukai Road

PRESENT: See attached list

SUBJECT: Pre-Bid Meeting

MEETING SUMMARY:

I. GENERAL DISCUSSION

1. Participants involved with the project were introduced (DOT – Maui District, Design Consultants (Parsons Brinckerhoff), Contractors (Goodfellow/Global Specialty)).
2. Purpose of the project is to improve the intersection in order to reduce congestion and improve safety.
3. The Design Consultant, Parsons Brinckerhoff, provided a brief description of the scope of work as follows: On Ohukai Road west of Piilani Highway widen the road to accommodate two 12 foot wide through lanes, 11 foot wide left turn lane and a 12 foot wide right turn lane with 4 foot wide shoulder. On Ohukai Road east of Piilani Highway widen the road to accommodate two 12 foot wide through lanes, 11 foot wide left turn lane and a 12 foot wide right turn lane with shoulder width that varies.
4. The new pavement sections include 4-inch AC on 12-inch aggregate base course with a 6-inch aggregate subbase course.

5. Drainage improvements to Ohukai Road include adding a new grated drain intake and connecting it to an existing 24-inch pipe culvert on the north side of Ohukai Road. On Ohukai Road east of Piilani Highway extend existing 48-inch pipe culvert and construction a GRP inlet structure.
6. Reconstruct the 4 traffic islands at the intersection including curb ramps.
7. Stripe Ohukai Road between the project limits.
8. Traffic signal improvements include upgrading the existing traffic signals to an 8 phase system. Install traffic signals on 40 foot mast arms on all approaches and pedestrian signals and pedestrian push buttons in the traffic island. Install new conduits, cables, loop detectors and traffic signal pullboxes. Existing traffic signal controller will remain.
9. MECO to relocate or replace wood pole and relocate overhead utility.
10. Contractor to install street light foundation, pullboxes and conduits. MECO to install conductors, street light poles and luminaries.
11. Project duration is 120 working days from NTP.

II. QUESTIONS

Question from Pre-Bid Meeting

1. Who removes street light poles?
Response: Relocated street light poles and luminaries will be removed by MECO.
2. What are the working hours and what are the lane closure hours?
Response: Working hours is 7:00 a.m. to 3:30 p.m. and lane closure hours are 8:30 a.m. to 3:00 p.m.
3. Does the Contractor have to certify the construction of wheelchair ramps?
Response: Certification form not required.
4. No excavation quantity for Type C manhole.
Response: Excavation quantity for Type C manhole will be added to the proposal schedule.
5. Can we use 18-inch HDPE instead of 18-inch RCP?
Response: No. Use 18-inch RCP, Class IV.

Meeting Minutes

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April 3, 2013

6. Traffic signal conduits in the proposal schedule do not match traffic signal conduits schedule shown on the plans.

Response: Revised traffic signal conduit schedule shown on the plans to match proposal schedule.

7. Will an NPDES be required?

Response: See Note E3 of the General Notes on Sheet 7.

8. Will the State provide the concrete barriers? Can the water filled plastic barriers be used?

Response: State will not furnish concrete barriers. No.

9. When will the project start?

Response: Project will start around October, 2013.

Meeting Adjourned at: 9:30 a.m.

SIGN IN SHEET - PRE-BID MEETING

April 3, 2013 @ 9:00 A.M.
Maui District Office

Piilani Highway Traffic Operation Improvements at Ohukai Road
Federal-Aid Project No. CMAQ-031-1(012)

NAME	COMPANY	PH. NO./FAX	E-MAIL
1. Fred Gutierrez	DOT	873-3390/873-3544	fred.gutierrez@hawaii.gov
2. Ferdinand Cajigal	DOT	873-3553/873-3544	Ferdinand.cajigal@hawaii.gov
4. Dexter Eji	PB	808-8566-2241	eji@pbworld.com
5. Tom Heinrich	Global Specialty Cont. Inc.	888-843-8881 843-8883	716nlp/hx@AOL.com
6. Howie Howell	GoodFellow Bros	269-7035/879-6721	howieh@goodfellowbros.com
7.			
8.			
9.			