

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

ADDENDUM NO. 2

FOR

**MIDDLE STREET PAVEMENT RECONSTRUCTION
NORTH KING STREET TO KAMEHAMEHA HIGHWAY
FEDERAL AID PROJECT NO. STP-7415(001)**

**DISTRICTS OF HONOLULU
ISLAND OF OAHU
FY 2014**

Amend the Bid Documents as follows:

A. SPECIAL PROVISIONS

1. Replace Table of Contents dated 6/20/14 with attached Table of Contents dated 8/22/14.
2. Replace Section 761 – Light Emitting Diode (LED) Roadway Lighting Systems Materials dated 6/20/14 with attached Section 761 – Light Emitting Diode (LED) Roadway Lighting Systems Materials dated 08/20/14.
3. Replace Federal Wage Rates dated 06/13/2014 with attached Federal Wage Rates dated 07/25/14.

B. PROPOSAL SCHEDULE

1. Replace Proposal Schedule pages P-8 through P-15 dated 6/20/14 and page P-16 dated 07/01/10 with attached Proposal Schedule pages P-8 through P-16 dated 8/19/14.

C. PLANS

1. Remove Plan Sheet No. 15 and replace with the attached Plan Sheet No. ADD. 15.

D. REQUEST FOR INFORMATION/REQUEST FOR CLARIFICATION

1. Please provide the deadline for RFI questions to be submitted to HDOT for this project.

The deadline for RFI questions has already passed. Bids shall be according to contract documents.

2. With respect to pre-existing hazardous materials/hazardous waste or hazardous materials/hazardous waste not brought to the site by the Contractor, please confirm that the State of Hawaii will provide their EPA number, and will be considered the "generator" of such hazardous materials/hazardous waste.

As the owner of the Right-of-Way, the State of Hawaii will be considered the "generator" of any hazardous materials/hazardous waste found to exist on the project site, and the Contractor will be allowed to use the State's EPA ID number to dispose of such wastes.

3. Per Note E.1 on Plan Sheet N-14, it states, "...NPDES Permit obtained by the State...", and that the NPDES documents are provided on the bid package compact disc. Please provide these NPDES documents, as they were not provided on the bid package compact disk.

The NOI and NGPC are attached for reference.

4. In the project's Proposal Schedule, there are two pages labeled P-15; one with item number 699.1000, and one that is blank. Please clarify the discrepancy.

Refer to revised Proposal Schedule.

5. Proposal Schedule Item No. 629.2070 on Page P-13 indicates that Type J Pavement Markers are to be installed on the project. Per project plan sheets P-1 through P-3, Type J Pavement Markers are not detailed, nor shown to be installed. Please clarify if Type J pavement markers are to be used on the job, and if so, where.

Type J Raised Pavement Markers are required at the median nose delineation at Northbound Sta. 16+00. Refer to Standard Plan TE-26.

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


EORD K. FUCHIGAMI
Interim Director of Transportation

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Performance Bond

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Labor and Material Payment Bond

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1 Make this section a part of the Standard Specifications:

2
3 **SECTION 761 – LIGHT EMITTING DIODE (LED) ROADWAY**
4 **LIGHTING SYSTEMS MATERIALS**
5
6

7 **761.01 Light Poles.** Light poles shall be made of aluminum or wood, conforming to
8 requirements of AASHTO publication *Standard Specifications for Structural Supports for*
9 *Highway Signs, Luminaires, and Traffic Signals*, and this subsection. Drawings for proposed
10 poles shall be submitted in accordance with Subsection 622.03(A) - Equipment List and
11 Drawings.
12

13 **(A) Aluminum Poles.** Aluminum poles shall be spun tapered from seamless
14 aluminum tubing, alloy 6063-T6, conforming to ASTM B 221, with minimum thickness
15 of 0.250 inch. Circumferential or longitudinal welds will be allowed only at lower end
16 of pole where pole is joined to anchor base.
17

18 Poles shall have anchor base consisting of permanent mold cast
19 aluminum, alloy 356.0, conforming to ASTM B 108. Anchor bolts shall be stainless
20 steel conforming to Subsection 718.01 - Standard Fasteners, and shall be of quantity
21 and grade indicated in the contract documents. Poles mounted on walls and
22 structures shall have anchor bases and side entry handholes. Poles mounted on
23 bridge structures shall be equipped with vibration damper recommended by pole
24 manufacturer and accepted by the Engineer.
25

26 Grounding nut or screw on inner portion of pole shall be placed
27 opposite handhole.
28

29 Each pole shall be furnished complete with mast arm, base, ornamental
30 pole top, base cover, and anchor bolts. Unless otherwise indicated in the contract
31 documents, aluminum poles shall have polished natural aluminum finish and
32 stainless steel hardware.
33

34 Aluminum poles shall be protected during shipment with protective paper.
35

36 **761.02 Luminaire Mast Arms.** Mast arms shall be made of seamless aluminum tubing
37 conforming to ASTM B 221, and shall be of type, size, length, and rise, as indicated in the
38 contract documents. Mast arms 8 feet long or shorter shall be tapered elliptical, self-
39 supporting mast arms. Mast arms greater than 8 feet long shall be truss-type mast arms.
40 Ends of mast arms shall be completed in two-inch slip fitter with inner-wired-type pole plates.
41

42 **761.03 Luminaires for Roadway Lighting.** Luminaires shall conform to the provisions
43 in Section 761.03, "Luminaires for Roadway Lighting", of Section 761 Light Emitting

Diode (LED) Roadway Lighting Systems Materials.

Luminaires shall conform to the following Standards and Special Provisions:

Standards

- ANSI/NFPA 70, National Electrical Code
- FCC 47 CFR Part 15, Federal Code Of Regulation (CFR) testing standard for electronic equipment
- IEEE C62.41, Guide on the Surge Environment in Low-Voltage (1000 V and Less) AC Power Circuits
- IESNA LM-79, Electrical and Photometric Measurements of Solid-State Lighting Products
- IESNA LM-80, Approved Method for Measuring Lumen Maintenance of LED Light Sources
- IESNA TM-15, Luminaire Classification System for Outdoor Luminaires
- NEMA SSL 3-2010, High-Power White LED Binning for General Illumination
- UL1598, Standard for Safety of Luminaires

(A) **Luminaires for Roadway Lighting.** Luminaires for roadway lighting shall be nominal 4000K Light Emitting Diode (LED) type, suitable for wet locations per UL 1598. Luminaire shall have a BUG rating with U to be zero and produce zero light at or above 90 degrees. Each luminaire shall be listed with Underwriters Laboratory, Inc. under UL1598 for luminaires in wet locations.

1. **Housing.** Housing shall conform to the following:

a) Housing shall be rear-entry with horizontal slipfitter for inner wiring, die-cast aluminum with integral heat sinks. The cast aluminum electrical compartment shall be separate from the LED array to ensure cooler operating temperatures of the driver. Access to the electrical compartment shall be tool-less by use of stainless steel latches. Driver and surge module shall be secured to the swing down door which can easily be removed and exchanged without the use of tools by separating a quick disconnect electrical connection. Housing shall be designed to prevent the buildup of water on the top of the housing.

I. The thermal management (of the heat generated by the LEDs) shall be of sufficient capacity to assure proper operation of the luminaire over the expected useful life.

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- II. The LED manufacturer's maximum thermal pad temperature for the expected life shall not be exceeded.
 - III. Thermal management shall be passive by design. The use of fans or other mechanical devices shall not be allowed.
 - IV. The luminaire shall have a minimum heat sink surface such that LED manufacturer's maximum junction temperature is not exceeded at maximum rated ambient temperature.
- b) Luminaire shall include cast in pipe stops, leveling steps and a four bolt mounting system capable of accommodating 1¼" to 2" ID pipe (1 5/8" to 2 3/8" OD).
 - c) The assembly and manufacturing process for the LED luminaire shall be designed to assure all internal components are adequately supported to withstand mechanical shock and vibration. Luminaire shall withstand vibration, meeting ANSI C136.31 American Standard for Roadway and Area Lighting Equipment – Luminaire Vibration for normal and bridge operation (3G minimum).
 - d) Housing and door frame shall be aluminum with a nominal 2.0 mil thick paint finish able to withstand a 3000-hour salt spray test as specified in ASTM Designation: B117. Housing shall have a minimum IP rating of IP-65.
 - e) The housing shall meet the requirements for NEMA/UL wet location, be UL listed and gray in color with a flat or semi-gloss sheen.
 - f) Each LED luminaire shall have the manufacture's name, trademark, model number, serial number, date of manufacture (month-year), and lot number as identification permanently marked inside each unit and the outside of each packaging box. The operation characteristics such as rated voltage and rated power in watts and Volt-Ampere shall be permanently marked inside each LED luminaire unit.

132 **2. Driver.** Driver shall conform to the following:
133

- 134 a) Operation Voltage: The luminaire shall operate from a 60
135 HZ \pm 3 HZ AC line over a voltage ranging from 108 VAC to
136 305 VAC. The fluctuations of line voltage shall have no
137 visible effect on the luminous output.
138
139 b) Power Factor: The luminaire shall have a power factor of
140 0.9 or greater.
141
142 c) Operational Performance: The LED circuitry shall prevent
143 visible flicker to the unaided eye over the voltage range
144 specified above.
145
146 d) Surge Suppression: The luminaire onboard circuitry shall
147 include surge protection devices (SPD) to withstand high
148 repetition noise transients as a result of utility line switching,
149 nearby lightning strikes, and other interference. The SPD
150 protects the luminaire from damage and failure for common
151 (Line-to-Ground) and differential (Line-to-Line) mode
152 transient peak currents up to 10 kA (minimum). SPD
153 conforms to UL 1449. SPD performance has been tested
154 per procedures in ANSI/IEEE C62.41-2:2002 category C
155 high exposure and ANSI C136.2 10kV BIL. The SPD shall
156 fail in such a way as the Luminaire will no longer operate.
157 The SPD shall be field replaceable and IP66 rated.
158
159 e) RF Interference: LED Drivers must meet Class A emission
160 limits referred in Federal Communications Commission
161 (FCC) Title 47, Subpart B, Section 15 regulations
162 concerning the emission of electronic noise.
163
164 f) The rated operating temperature range shall be -40°C (-
165 40°F) to +40°C (104°F).
166
167 g) The power supply shall be contained inside the luminaire
168 and a minimum IP rating of IP-65.
169
170 h) Driver shall be IP66 rated and capable of dimming for future
171 controllability.
172
173 i) THD: Total harmonic distortion (current and voltage)
174 induced into an AC power line by a luminaire shall not
175 exceed 20 percent.

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3. **LED Array(s).** LED arrays shall be high brightness, nominal 70 CRI at CCT 4000K. The design life of the LED array(s) shall be defined as L70 at 50,000 hours at 40°C.
- a) Each luminaire is capable of operating above 40°C (104°F), but not expected to comply with photometric requirements at elevated temperatures.
 - b) The rated operating temperature range shall be -40°C (-40°F) to +40°C (104°F).
 - c) The individual LEDs shall be constructed such that a catastrophic loss or the failure of one LED will not result in the loss of the entire luminaire.
 - d) The optical assembly of the luminaire shall be protected against dust and moisture intrusion.
 - e) Each refractor or lens shall be made from UV inhibited high impact optical grade material and be resistant to scratching.
4. **Illumination.** Luminaires shall provide roadway with minimum average maintained illumination value in accordance with manufacturer's specifications and IES light distribution type indicated in the contract documents. Photometric data with certification of conformance shall be submitted.
- a) Photometry must be compliant with IESNA LM-79.
 - b) Luminaire shall have a minimum efficacy of 90 lumens per watt and shall not consume power in the off state.
 - c) BUG rating shall not exceed U0.
 - d) Luminaire manufacturer shall provide the LED manufacturers LM-80 report.
5. **Photoelectric Control Receptacle.** Luminaires shall be furnished with or without photoelectric control receptacles, as indicated in the contract documents. When photoelectric control receptacle is included, rain tight shorting cap shall be installed.
- a) When a photo control receptacle is required, it shall be

compliant with ANSI C136.41-2013, 7-pin photocontrol receptacle. This shall provide a standard method of light level control between external PCR and a dimmable driver for future use.

6. **Warranty.** Luminaires shall be warranted to be free from manufacturing defects for a period of 5 years.

a) LED luminaire manufacturer shall provide 5-year warranty on LED luminaires that includes LEDs, housing, drivers and finish.

b) Technical properties must be made available for a minimum of 5 years after the date of manufacture.

c) Luminaires shall be fully assembled and individually electrically tested prior to shipment.

7. **Manufacturer.** The luminaire manufacturer shall have a minimum of 15 years of experience in the manufacture, assembly, and sale of roadway luminaires in the United States of America. The roadway luminaire shall comply with the Buy America Act and the American Recovery and Reinvestment Act of 2009 (ARRA). The manufacturer shall have a minimum of 10,000 roadway luminaires installed within the United States of America prior to bid opening.

8. **Submittals.** Product data submitted for approvals shall include, but not limited to materials, finishes, photometric performance, photometric layouts, dimensional information and LM-79 report for each luminaire.

9. **Delivery, Storage and Handling.** Deliver luminaires and components carefully to avoid breakage, bending and scoring finishes. Do not install damaged equipment. Store luminaires and accessories in original cartons and in clean dry space; protect from weather and construction traffic.

761.04 Cables and Wires for Roadway Lighting System

(A) Cables and Wires.

1. **Circuit Cable.** Cable for 120/240 volt or 240/480 volt roadway lighting circuits shall conform to the following requirements: single conductor, 600

volt, AWG sizes as indicated in the contract documents; stranded copper, Type XHHW suitable for use at 167 degrees F, with 2/32-inch-thick rubber insulation, and 3/64-inch thick neoprene jacket. Rubber insulation and neoprene jacket shall conform to NEC, RHW/USE standards, and ICEA S-105 692 standard.

2. Pole Fixture Cable. Connection of circuit cables from base of light pole or pull box to each luminaire shall conform to the following requirements: single conductor, 600 volt, No. 10 AWG, stranded copper, and Type XHHW or RHW. Unless otherwise indicated in the contract documents, ground conductors shall conform to the following requirements: single conductor, 600 volt, No. 6 AWG, stranded copper, Type XHHW or RHW. Ground conductors shall be installed in conduits.

(B) Luminaire and Cable and Wire Identification. Tags of rigid, non-ferrous material shall be affixed, with machine embossed legend on two sides with non-ferrous wire to feeder, branch feeders, and sub-branch cables and wires in pullboxes and light standard bases. Legend with 1/4-inch-high letters shall indicate feeder designation.

761.05 Disconnect and Protective Devices.

(A) General. Splices and taps shall be limited to minimum number. Conductor-to-conductor connections shall be made with hydraulically indented lugs.

(B) Taps. Taps from feeders to highway lighting luminaires shall be made at lighting standards, with standard connector kits that provide quick-disconnect, fused branch connection to feeder conductors. Waterproof taps shall have dielectric value equal to that of the insulation of conductors joined. Fuses shall be standard midget, ferrule-type, with ampere ratings as indicated in the contract documents.

(C) Splicing. Feeders shall be spliced with standard splicing kits of type recommended by cable manufacturer. Splices shall be waterproof and shall have dielectric value equal to that of the insulation of conductors joined.

761.06 Waterproof Connectors for Roadway Lighting. Where indicated in the contract documents, connector kits shall be of waterproof, molded rubber. Connectors shall be 600-volt, quick disconnect, in-line connectors, fused for ungrounded conductor and non-fused for neutral at each pole. Opening in line conductor connectors shall be suitable for cables furnished. Lubrication and taping shall be as recommended by manufacturer of connectors. Fused connectors shall accommodate standard midget, ferrule-type fuses with ampere rating as indicated in the contract documents.

306 **761.07 Photoelectric Control.** Photoelectric control unit shall have inrush current rating of
307 120 amperes. Photoelectric control shall withstand surge current up to 1,000 amperes.
308 Chassis shall withstand hi-pot test of 5,000 volts. Cadmium-sulfide cells shall have 300 to 500
309 milliwatts maximum dissipation operating voltage range between 105 volts to 285 volts, and
310 mounting features that conform to EEI Publication No. 148, NEMA Publication No. SH18-1959.
311 Photoelectric control unit shall be UL listed for wet locations.

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313 Light level setting shall be adjustable from 0.5 to 3.0 foot-candles with time delay of up to three
314 minutes. Light level setting shall be adjusted for turn on at 0.7 ± 0.2 foot-candles.

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END OF SECTION 761

HI1.dvb
General Decision Number: HI140001 07/25/2014 HI1

Superseded General Decision Number: HI20130001

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	01/03/2014
1	02/07/2014
2	03/14/2014
3	04/18/2014
4	05/02/2014
5	06/13/2014
6	06/27/2014
7	07/11/2014
8	07/18/2014
9	07/25/2014

ASBE0132-001 08/29/2010

	Rates	Fringes
Asbestos workers/Insulator Includes application of all insulating materials, protective coverings, coatings and finishes to all types of mechanical systems. Also the application of firestopping material for wall openings and penetrations in walls, floors, ceilings and curtain walls.....	\$ 36.65	22.24

BOIL0627-005 01/01/2013

	Rates	Fringes
BOILERMAKER.....	\$ 35.20	27.35

BRHI0001-001 09/03/2012

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

BRHI0001-002 09/02/2013

	Rates	Fringes
Tile, Marble & Terrazzo worker		
Terrazzo Base Grinders.....	\$ 35.29	23.22
Terrazzo Floor Grinders and Tenders.....	\$ 32.24	23.22
Tile, Marble and Terrazzo workers.....	\$ 37.10	23.22

CARP0745-001 09/02/2013

	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.....	\$ 40.75	20.42
Millwrights and Machine Erectors.....	\$ 41.00	20.42
Power Saw operators (2 h.p. and over).....	\$ 40.90	20.42

CARP0745-002 09/02/2013

	Rates	Fringes
Drywall and Acoustical Workers and Lathers.....	\$ 41.00	20.42

ELEC1186-001 02/23/2014

	Rates	Fringes
Electricians:		
Cable splicers.....	\$ 46.09	27.25
Electricians.....	\$ 41.90	25.98
Telecommunication worker....	\$ 23.20	17%+\$6.35

ELEC1186-002 02/23/2014

	Rates	Fringes
Line Construction:		
Cable splicers.....	\$ 46.09	27.25
Groundmen/Truck Drivers.....	\$ 31.43	22.77
Heavy Equipment Operators....	\$ 37.71	24.69
Linemen.....	\$ 41.90	25.98
Telecommunication worker....	\$ 23.20	17%+\$6.35

ELEV0126-001 01/01/2014

	Rates	Fringes
ELEVATOR MECHANIC.....	\$ 52.10	26.785

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

HI1.dvb

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 09/02/2013

	Rates	Fringes
Diver (Aqua Lung) (Scuba))		
Diver (Aqua Lung) (Scuba)		
(over a depth of 30 feet)...\$ 60.50	26.98	
Diver (Aqua Lung) (Scuba)		
(up to a depth of 30 feet)..\$ 51.13	26.98	
Stand-by Diver (Aqua Lung)		
(Scuba).....\$ 41.75	26.98	
Diver (Other than Aqua Lung)		
Diver (Other than Aqua		
Lung).....\$ 60.50	26.98	
Diver Tender (Other than		
Aqua Lung).....\$ 38.72	26.98	
Stand-by Diver (Other than		
Aqua Lung).....\$ 41.75	26.98	
Helicopter work		
Airborne Hoist operator		
for Helicopter.....\$ 40.30	26.98	
Co-Pilot of Helicopter.....\$ 40.44	26.98	
Pilot of Helicopter.....\$ 40.61	26.98	
Power equipment operator -		
tunnel work		
GROUP 1.....\$ 36.74	26.98	
GROUP 2.....\$ 36.85	26.98	
GROUP 3.....\$ 37.02	26.98	
GROUP 4.....\$ 37.29	26.98	
GROUP 5.....\$ 37.60	26.98	
GROUP 6.....\$ 38.25	26.98	
GROUP 7.....\$ 38.57	26.98	
GROUP 8.....\$ 38.68	26.98	
GROUP 9.....\$ 38.79	26.98	
GROUP 9A.....\$ 39.02	26.98	
GROUP 10.....\$ 39.08	26.98	
GROUP 10A.....\$ 39.23	26.98	
GROUP 11.....\$ 39.38	26.98	
GROUP 12.....\$ 39.74	26.98	
GROUP 12A.....\$ 40.10	26.98	
Power equipment operators:		
GROUP 1.....\$ 36.44	26.98	
GROUP 2.....\$ 36.55	26.98	
GROUP 3.....\$ 36.72	26.98	
GROUP 4.....\$ 36.99	26.98	
GROUP 5.....\$ 37.30	26.98	
GROUP 6.....\$ 37.95	26.98	
GROUP 7.....\$ 38.27	26.98	
GROUP 8.....\$ 38.38	26.98	
GROUP 9.....\$ 38.49	26.98	
GROUP 9A.....\$ 38.72	26.98	
GROUP 10.....\$ 38.78	26.98	
GROUP 10A.....\$ 38.93	26.98	
GROUP 11.....\$ 39.08	26.98	
GROUP 12.....\$ 39.44	26.98	
GROUP 12A.....\$ 39.80	26.98	

	HI1.dvb	
GROUP 13.....	\$ 36.72	26.98
GROUP 13A.....	\$ 36.99	26.98
GROUP 13B.....	\$ 37.30	26.98
GROUP 13C.....	\$ 37.95	26.98
GROUP 13D.....	\$ 38.27	26.98
GROUP 13E.....	\$ 38.38	26.98

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)

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(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 09/02/2013

	Rates	Fringes
Dredging: (Boat Operators)		
Boat Deckhand.....	\$ 36.72	26.98
Boat Operator.....	\$ 38.93	26.98
Master Boat Operator.....	\$ 39.08	26.98
Dredging: (Clamshell or Dipper Dredging)		
GROUP 1.....	\$ 39.44	26.98
GROUP 2.....	\$ 38.78	26.98
GROUP 3.....	\$ 38.38	26.98
GROUP 4.....	\$ 36.72	26.98
Dredging: (Derricks)		
GROUP 1.....	\$ 39.44	26.98
GROUP 2.....	\$ 38.78	26.98
GROUP 3.....	\$ 38.38	26.98
GROUP 4.....	\$ 36.72	26.98
Dredging: (Hydraulic Suction Dredges)		
GROUP 1.....	\$ 39.08	26.98
GROUP 2.....	\$ 38.93	26.98
GROUP 3.....	\$ 38.78	26.98
GROUP 4.....	\$ 38.72	26.98
GROUP 5.....	\$ 37.88	26.76
Group 5.....	\$ 38.38	26.98
GROUP 6.....	\$ 37.77	26.76
Group 6.....	\$ 38.27	26.98
GROUP 7.....	\$ 36.22	26.76
Group 7.....	\$ 36.72	26.98

CLAMSHELL OR DIPPER DREDGING CLASSIFICATIONS

GROUP 1: Clamshell or Dipper operator.

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GROUP 2: Mechanic or welder; Watch Engineer.
 GROUP 3: Barge Mate; Deckmate.
 GROUP 4: Bargeman; Deckhand; Fireman; oiler.

HYDRAULIC SUCTION DREDGING CLASSIFICATIONS

GROUP 1: Leverman.
 GROUP 2: Watch Engineer (steam or electric).
 GROUP 3: Mechanic or welder.
 GROUP 4: Dozer operator.
 GROUP 5: Deckmate.
 GROUP 6: winchman (Stern winch on Dredge)
 GROUP 7: Deckhand (can operate anchor scow under direction of Deckmate); Fireman; Leveeman; oiler.

DERRICK CLASSIFICATIONS

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

 ENGI0003-044 09/02/2013

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

 IRON0625-001 09/01/2013

Rates	Fringes
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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 09/02/2013

	Rates	Fringes
Laborers:		
Driller.....	\$ 33.30	15.96
Final Clean Up.....	\$ 23.70	11.77
gunite operator & High		
Scaler.....	\$ 32.80	15.96
Laborer I.....	\$ 32.30	15.96
Laborer II.....	\$ 29.70	15.96
Powderman.....	\$ 33.30	15.96
window washer (bosun chair).\$	31.80	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 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

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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; Stripper (Asphalt, Concrete or other Paved Surfaces); Tagging and signaling of all building materials into high-rise units; Tool Room Attendant (Job Site); Traffic

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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.

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	Rates	Fringes
Landscape & Irrigation Laborers		
GROUP 1.....	\$ 22.65	9.51
GROUP 2.....	\$ 23.15	9.51
GROUP 3.....	\$ 19.15	9.51

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,

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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 09/02/2013

Rates

Fringes

HI1.dvb

Underground Laborer

GROUP 1.....	\$ 32.90	15.96
GROUP 2.....	\$ 34.40	15.96
GROUP 3.....	\$ 34.90	15.96
GROUP 4.....	\$ 35.90	15.96
GROUP 5.....	\$ 36.25	15.96
GROUP 6.....	\$ 36.50	15.96
GROUP 7.....	\$ 36.95	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 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 07/01/2014

	Rates	Fringes
Painters:		
Brush.....	\$ 34.35	26.20
Sandblaster; Spray.....	\$ 34.35	26.20

PAIN1889-001 07/01/2013

	Rates	Fringes
Glaziers.....	\$ 33.65	26.08

PAIN1926-001 02/24/2013

	Rates	Fringes
Soft Floor Layers.....	\$ 29.14	22.91

PAIN1944-001 01/01/2014

	Rates	Fringes
Taper.....	\$ 40.00	20.45

PLAS0630-001 09/03/2012

	Rates	Fringes
PLASTERER.....	\$ 36.14	22.92

PLAS0630-002 09/03/2012

	Rates	Fringes
Cement Masons:		
Cement Masons.....	\$ 35.30	22.72
Trowel Machine operators....	\$ 35.45	22.72

* PLUM0675-001 07/06/2014

	Rates	Fringes
Plumber, Pipefitter, Steamfitter & Sprinkler Fitter...	\$ 38.85	24.11

ROOF0221-001 09/01/2013

	Rates	Fringes
Roofers (Including Built Up, Composition and Single Ply).....	\$ 37.10	16.88

SHEE0293-001 09/01/2013

	Rates	Fringes
Sheet metal worker.....	\$ 37.25	22.73

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

HI1.dvb

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
202.0200	Removal of Existing Metal Guardrails, Concrete Blocks, Concrete Sidewalk, QuadGuard, and Concrete Pad	L.S.	L.S.	L.S.	\$ _____
203.0100	Roadway Excavation	11,000	C.Y.	\$ _____	\$ _____
204.2060	Trench Excavation for Electric System	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>10,000.00</u>
220.1000	Contractor's Archaeologist	L.S.	L.S.	L.S.	\$ _____
220.2000	Contractor's Cultural Monitor	L.S.	L.S.	L.S.	\$ _____
220.3000	Additional Cultural Monitor Work	F.A.	F.A.	F.A.	\$ <u>25,000.00</u>
220.4000	Protective Measures for Archaeological, Historic, Cultural, and Burial Site Findings	F.A.	F.A.	F.A.	\$ <u>25,000.00</u>
304.1000	Aggregate Base	L.S.	L.S.	L.S.	\$ _____
401.0100	HMA Pavement, Mix No. V	L.S.	L.S.	L.S.	\$ _____
411.1000	Concrete Pavement (9" Cast-in-Place PCCP)	L.S.	L.S.	L.S.	\$ _____
411.2000	Concrete Pavement (10" Cast-in-Place PCCP)	L.S.	L.S.	L.S.	\$ _____
415.1000	Cold Planing	L.S.	L.S.	L.S.	\$ _____

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PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
416.1000	Jointed Precast Concrete Pavement (9" JPCP)	L.S.	L.S.	L.S.	\$ _____
416.2000	Jointed Precast Concrete Pavement (10" JPCP)	L.S.	L.S.	L.S.	\$ _____
417.1000	Precast Prestressed Concrete Pavement (PPCP)	L.S.	L.S.	L.S.	\$ _____
503.0060	Concrete for Electric System (Class A)	L.S.	L.S.	L.S.	\$ _____
503.1000	Concrete for Barrier at Sign Post	L.S.	L.S.	L.S.	\$ _____
603.0100	Clean Existing Culverts	F.A.	F.A.	F.A.	\$ <u>10,000.00</u>
604.0100	Type 61614 Steel Frame and Grate	1	Each	\$ _____	\$ _____
604.1000	Adjusting Electric Manhole Frame and Cover	3	Each	\$ _____	\$ _____
604.2000	Adjusting Signal Corps Manhole Frame and Cover	2	Each	\$ _____	\$ _____
604.3000	Adjusting Storm Drain Manhole Frame and Cover	10	Each	\$ _____	\$ _____
604.4000	Adjusting Telephone Manhole Frame and Cover	9	Each	\$ _____	\$ _____
604.5000	Reconstruction of Manhole Top Slab	F.A.	F.A.	F.A.	\$ <u>140,000.00</u>
606.0100	Guardrail Type 3, Strong Post W-Beam Guardrail	L.S.	L.S.	L.S.	\$ _____
606.0200	Guardrail Type 3, Strong Post Modified Thrie Beam Guardrail	L.S.	L.S.	L.S.	\$ _____
606.3100	Terminal Section Type ET-2000 Plus	L.S.	L.S.	L.S.	\$ _____

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PROPOSAL SCHEDULE					
ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
606.3200	Terminal Section Type Thrie Beam Section (Rounded)	L.S.	L.S.	L.S.	\$ _____
606.3300	Terminal Section Type W-Beam End Section (Rounded)	L.S.	L.S.	L.S.	\$ _____
610.0100	(8-inch) Reinforced Concrete Driveway	L.S.	L.S.	L.S.	\$ _____
622.0050	Roadway Lighting Standard, 38-Foot (Nominal) Pole Height, 12-Foot Luminaire Arm, One 113 Watt Luminaire, L.E.D. Lamp, and Transformer Base, Mounted on Concrete Foundation	L.S.	L.S.	L.S.	\$ _____
622.0051	Roadway Lighting Standard, 38-Foot (Nominal) Pole Height, 12-Foot Luminaire Arm, One 130 Watt Luminaire, L.E.D. Lamp, and Transformer Base, Mounted on Concrete Foundation	L.S.	L.S.	L.S.	\$ _____
622.0052	Roadway Lighting Standard, 38-Foot (Nominal) Pole Height, 12-Foot Luminaire Arm, Two 113 Watt Luminaire, L.E.D. Lamp, and Transformer Base, Mounted on Concrete Foundation	L.S.	L.S.	L.S.	\$ _____
622.0053	Demolish Roadway Lighting Standard, including Pole, Luminaire Arm, Luminaire, Transformer Base, Concrete Foundation, and Anchor Bolts	L.S.	L.S.	L.S.	\$ _____
622.5030	1-Inch PVC Schedule 40 Conduits	L.S.	L.S.	L.S.	\$ _____
622.5031	2-Inch PVC Schedule 40 Conduits	L.S.	L.S.	L.S.	\$ _____

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PROPOSAL SCHEDULE					
ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
622.5040	Roadway Light Conductors - #10 RHW-USE	L.S.	L.S.	L.S.	\$ _____
622.5041	Roadway Light Conductors - #8 RHW-USE	L.S.	L.S.	L.S.	\$ _____
622.5042	Roadway Light Conductors - #2 RHW-USE	L.S.	L.S.	L.S.	\$ _____
622.5070	Electrical Power Apparatus, Lighting Control Equipment, and Wiring at Electrical Substation #1	L.S.	L.S.	L.S.	\$ _____
622.5090	Type A Highway Electric Pullbox	L.S.	L.S.	L.S.	\$ _____
622.5091	Type B Highway Signal Pullbox	L.S.	L.S.	L.S.	\$ _____
623.1100	Loop Detector Sensing Unit (6 Ft. x 6 Ft.) One Loop	1	Each	\$ _____	\$ _____
623.1200	Loop Detector Sensing Unit (6 Ft. x 6 Ft.) Two Loops	6	Each	\$ _____	\$ _____
623.1300	Loop Detector Sensing Unit (6 Ft. x 6 Ft.) Four Loops	6	Each	\$ _____	\$ _____
623.1400	Loop Detector Sensing Unit (6 Ft. x 6 Ft.) Six Loops	2	Each	\$ _____	\$ _____
623.2100	Traffic Signal Back Plates	18	Each	\$ _____	\$ _____
626.1100	Adjusting Water Manhole Frame and Cover	L.S.	L.S.	L.S.	\$ _____
626.1200	Adjusting Water Valve Box Frame and Cover	L.S.	L.S.	L.S.	\$ _____
629.1010	4-Inch Pavement Striping (Tape, Type I or Thermoplastic Extrusion)	L.S.	L.S.	L.S.	\$ _____

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PROPOSAL SCHEDULE					
ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
629.1011	4-Inch Pavement Striping (Tape, Type II or Thermoplastic Extrusion)	L.S.	L.S.	L.S.	\$ _____
629.1012	4-Inch Pavement Striping (Tape, Type III 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	8-Inch Pavement Striping (Tape, Type II or Thermoplastic Extrusion)	L.S.	L.S.	L.S.	\$ _____
629.1015	12-Inch Pavement Striping (Tape, Type II or Thermoplastic Extrusion)	L.S.	L.S.	L.S.	\$ _____
629.1016	12-Inch Pavement Striping (Tape, Type III or Thermoplastic Extrusion)	L.S.	L.S.	L.S.	\$ _____
629.1017	Double 4-Inch Pavement Striping (Tape, Type I or Thermoplastic Extrusion)	L.S.	L.S.	L.S.	\$ _____
629.1018	Double 4-Inch Pavement Striping (Tape, Type II 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.	\$ _____

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PROPOSAL SCHEDULE					
ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
629.1040	Pavement Word (Tape, Type III or Thermoplastic Extrusion)	L.S.	L.S.	L.S.	\$ _____
629.1050	Yield Line (Tape, Type III or Thermoplastic Extrusion)	L.S.	L.S.	L.S.	\$ _____
629.2010	Type A Pavement Marker	L.S.	L.S.	L.S.	\$ _____
629.2020	Type C Pavement Marker	L.S.	L.S.	L.S.	\$ _____
629.2030	Type D Pavement Marker	L.S.	L.S.	L.S.	\$ _____
629.2040	Type F Pavement Marker	L.S.	L.S.	L.S.	\$ _____
629.2060	Type H Pavement Marker	L.S.	L.S.	L.S.	\$ _____
629.2070	Type J Pavement Marker	L.S.	L.S.	L.S.	\$ _____
634.0100	Sidewalk Extension	L.S.	L.S.	L.S.	\$ _____
634.0201	Sidewalk Improvements Sta. 32+00.68 to Sta. 32+03.28	L.S.	L.S.	L.S.	\$ _____
634.0202	Sidewalk Improvements Sta. 32+22.28 to Sta. 32+27.73	L.S.	L.S.	L.S.	\$ _____
634.0203	Sidewalk Improvements Sta. 32+51.07 to Sta. 32+54.28	L.S.	L.S.	L.S.	\$ _____
638.0100	Concrete Swale	L.S.	L.S.	L.S.	\$ _____
638.0200	Curb, Type C	L.S.	L.S.	L.S.	\$ _____

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PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
638.0300	Curb and Gutter, Type 2DG	L.S.	L.S.	L.S.	\$ _____
644.1000	Repair of Existing Sprinkler Systems	F.A.	F.A.	F.A.	\$ <u>10,000.00</u>
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.	\$ <u>20,000.00</u>
648.1000	Field-Posted Drawings	L.S.	L.S.	L.S.	\$ _____
689.1000	Weigh-In-Motion Scale System	L.S.	L.S.	L.S.	\$ _____
691.1000	Nanotechnology Weigh-In-Motion System	F.A.	F.A.	F.A.	\$ <u>500,000.00</u>
693.1000	Terminal Impact Attenuator (QuadGuard QS 6906Y with Concrete Backup and Concrete Pad or Equivalent) @ SB Sta. 14+20.59	L.S.	L.S.	L.S.	\$ _____
693.2000	Terminal Impact Attenuator (QuadGuard QS 6906Y with Concrete Backup and Concrete Pad or Equivalent) @ SB Sta. 16+27.95	L.S.	L.S.	L.S.	\$ _____
694.1000	Project Signs	L.S.	L.S.	L.S.	\$ _____
695.1000	Just-in-Time Training	L.S.	L.S.	L.S.	\$ _____
696.0100	Maintenance of Trailers	F.A.	F.A.	F.A.	\$ <u>10,000.00</u>

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PROPOSAL SCHEDULE					
ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
696.0200	Field Office Trailer (Not to Exceed \$32,000.00)	L.S.	L.S.	L.S.	\$ _____
697.1000	Public Education Materials or Services	F.A.	F.A.	F.A.	\$ <u>50,000.00</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>					

1 **PROPOSAL SCHEDULE**

2
3 The bidder is directed to Subsection 105.16 – Subcontracts.

4
5 The bidder's attention is directed to Sections 696 - Field Office and Project
6 Site Laboratory and 699 - Mobilization for the limitation of the amount bidders are
7 allowed to bid.

8
9 If the bid price for any proposal item having a maximum allowable bid
10 indicated therefore in any of the contract documents is in excess of such a
11 maximum amount, the bid price for such proposal item shall be adjusted to reflect
12 the limitation thereon. The comparison of bids to determine the successful
13 bidder and the amount of contract to be awarded shall be determined after such
14 adjustments are made, and such adjustments shall be binding upon the bidder.

15
16 The bidder is directed to Section 717 – Cullet and Cullet-Made Materials
17 regarding recycling of waste glass.

18
19 **INSTRUCTIONS TO COMPUTE THE AMOUNT FOR COMPARISON OF BIDS**
20 **FOR FOREIGN STEEL**

21
22 Each bidder shall indicate its intention to furnish foreign steel on this
23 project by initialing after the AMOUNT for each of the items the bidder intends to
24 use such foreign steel including lump sum items. A bidder not indicating such
25 usage certifies that the bidder will furnish and use only domestic steel on this
26 project. Also, the bidder shall add an additional 25% to the SUM OF ALL ITEMS
27 if the bid submitted is based on furnishing foreign steel in excess of the minimal
28 use specified in Subsection 106.11 - Steel and Iron Construction Material.
29