

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ADDENDUM NO. 1

FOR

FREEWAY MANAGEMENT SYSTEM, PHASE 1B

TRAVELER INFORMATION SYSTEM, UNIT 4B:
DYNAMIC MESSAGE SIGN INSTALLATION

PROJECT NO. IM-0300(117)

DISTRICTS OF HONOLULU AND EWA

ISLAND OF OAHU

2009

Amend the Bid Documents as follows:

1. NOTICE TO BIDDERS:

- a. Prospective bidders are hereby notified that the receiving of sealed proposals scheduled for April 15, 2010 will be postponed and rescheduled for 2:00 P.M., May 13, 2010

2. SPECIAL PROVISIONS:

- a. Replace pages 621-1a through 621-6a dated 8/12/09 with the attached pages 621-1a through 621-8a dated 04/01/2010.
- b. Amend Section 685.04(E) to read as follows:

"685.04 (E) **Communication Services**, DSL services will be measured on a force account basis per site for 36 months of service. Payment for 36 months of service for each site shall be made as a single disbursement to the company providing DSL services."

3. PLANS:

- a. Replace Plan Sheets 22, 23, 24, and 25 dated July 2009 with Sheets ADD. 22, ADD. 23, ADD. 24 and ADD 25 dated April 2010.

IM-0300(117)

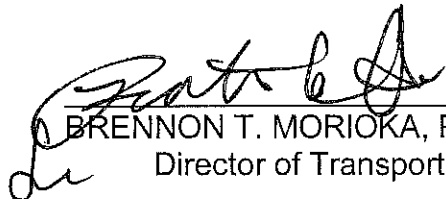
4. PRE-BID MEETING:

- a. Attached are the March 24, 2010 pre-bid meeting minutes and attendance sheet for your information.

5. FEDERAL WAGE RATES:

- a. Replace Federal Wage Rates dated 1/8/2010 with the attached Federal Wage Rates dated 3/12/2010.

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.


BRENNON T. MORIOKA, Ph.D., P.E.
Director of Transportation

1 Make this Section a part of the Standard Specifications:

2

3 **"SECTION 621 – ELECTRICAL AND COMMUNICATION SYSTEMS**

4

5 **621.01 DESCRIPTION.**

6 Work under this section comprises the installation of Dynamic Message Signs
7 (DMS) and providing communication to these devices for the Hawaii
8 Department of Transportation. Work will take place on the H1 state highway
9 at the following locations:

10

- 11 1. Kaamilo Street Overpass
- 12 2. Liliha Street Overpass

13

14 The work at each of these locations is explained in more detail in the following
15 sections.

16

17 **Kaamilo Street Overpass**

- 18 1. Installation of owner supplied Dynamic Message Signs.
- 19 2. Supply and installation of DMS mounting hardware.
- 20 3. Supply and installation of communication and power duct
21 systems.
- 22 4. Installation of owner supplied pole cabinet components for
23 communications.
- 24 5. Supply and installation of pad mounted enclosure for pole
25 cabinet components.
- 26 6. Supply and installation of enclosed circuit breakers for electrical
27 service to the sign.
- 28 7. Supply and installation of branch circuit wiring for all services.
- 29 8. Supply and installation of communication wiring.
- 30 9. Supply of traffic management during construction.
- 31 10. Support testing and commissioning of the components.

32

33 **Liliha Street Overpass**

- 34 1. Installation of owner supplied Dynamic Message Signs.
- 35 2. Supply and installation of DMS mounting hardware.
- 36 3. Supply and installation of communication and power duct
37 systems.
- 38 4. Installation of owner supplied pole cabinet components for
39 communications.
- 40 5. Supply and installation of pad mounted enclosure for pole
41 cabinet components.
- 42 6. Supply and installation of enclosed circuit breakers for electrical
43 service to the sign.
- 44 7. Supply and installation of branch circuit wiring for all services.
- 45 8. Supply and installation of communication wiring.
- 46 9. Supply of traffic management during construction.
- 47 10. Support testing and commissioning of the components.

48
49 **SITE CONDITIONS**
50

51 (1) It is the Contractor's responsibility to view the site and
52 satisfy himself that all existing site conditions with respect to
53 access, location, traffic control, work restrictions, existing
54 structures, existing civil works, existing utilities, existing
55 equipment, and any other site conditions are understood and
56 sufficiently accounted for in the bid price.
57

58 **COORDINATION WITH UTILITIES**
59

60 (1) Coordinate installation of service connections with
61 utilities.
62

63 **621.02 MATERIALS**
64

65 **(A) OWNER SUPPLIED MATERIALS**
66

67 (1) The Owner shall supply the following equipment:
68

69 (a) Dynamic Message Sign units (Qty: 2)

70 (b) Pole Cabinet Components (Qty: 2)
71

72 (2) The above materials will be available at the Owner's
73 electrical stores yard located at H-3 Tetsuo Harano tunnels,
74 Halawa electrical shop. The Contractor shall give the Owner at
75 least 20 working days' notice prior to requiring materials. Upon
76 receipt of materials the Contractor shall check the quantities and
77 verify correctness of materials supplied. Any discrepancies or
78 shortages should be reported immediately to the Owner.
79

80 (3) All costs for securing, packaging, wrapping, loading,
81 where applicable, transporting and off-loading materials shall be
82 borne by the Contractor. Any standby charges incurred by the
83 shipping company shall be borne by the Contractor.
84

85 (4) The Contractor shall provide replacement insurance for
86 all Owner supplied material. The policy shall start on the pick
87 up date by the Contractor. For insurance purposes, the
88 estimated value of the Owner supplied material is \$86,000.00
89 per DMS unit.
90

91 (5) Provide a secure yard or storage area for all Owner-
92 supplied materials. The Contractor shall replace at his own cost
93 any material which is lost or damaged.
94

95 (6) The Contractor shall coordinate with the DMS
96 manufacturer such that the Contractor provides the necessary
97 mounting equipment for the Owner supplied pole cabinet
98 components.
99

100 (B) CONDUITS

101
102 (1) Rigid Steel Conduit PVC Coated:

103
104 (a) Zinc-coated rigid steel conduits prior to PVC coating
105 shall conform to Federal Specification WW-C-581d,
106 ANSI Standard C80.1, UL Standard #6 and NEMA
107 RN1-1980.
108

109 (b) All conduits shall be hot dip zinc-coated inside and
110 out with zinc-coated threads.
111

112 (c) All conduit, connectors, support systems and
113 accessories shall be PVC coated.
114

115 (d) Prior to PVC coating, zinc-coated surfaces shall be
116 coated with epoxy-acrylic primer to ensure bond
117 greater than coating tensile strength.
118

119 (e) 40-mil-thick, minimum, plastic coating shall be
120 applied by dip method.
121

122 (f) Factory-applied plastic coating shall be applied by
123 same manufacturer who produced the hot dip zinc-
124 coated conduit. The coated conduit shall conform to
125 NEMA Standard No. RN1-1980 (Type 40).
126

127 (g) Fittings and Accessories.

128
129 1. Conduit clamps, u-bolts, and nuts shall be PVC
130 encapsulated. Nuts shall be installed with
131 manufacturer supplied wrenches.
132

133 2. Couplings shall have 40-mil-thick longitudinal
134 ribs, shall be PVC-coated and shall be the
135 product of the same manufacturer supplying
136 the conduit.
137

138 3. All coated conduits shall be installed in
139 accordance with manufacturer
140 recommendations.
141

(h) Interior of conduit shall be coated with 4- to 6- mil-thick phenolic coating, fusion bonded.

(2) Rigid Steel Conduit: Steel conduits shall be made of rigid metal conforming to ANSI Standard C80.1 and Article 344 of National Electrical Code. Exterior and interior surfaces of conduits and fittings shall be hot-dip zinc coated in accordance with AASHTO M 232. Interior of conduit shall have continuous coating of zinc-chromate, lacquer, or enamel. Each length shall bear UL label.

Six-inch conduit sample cut from center of standard length of conduit shall be submitted to Engineer for acceptance. Conduit will be tested in accordance with ASTM A 239. Interior and exterior of conduit shall not show fixed deposit of copper after four one-minute immersions in standard copper sulfate solution.

(3) Liquid-Tight Flexible Metal Conduit and Fittings: Liquid-tight flexible metal conduit and fittings shall conform to UL 1. Conduit and fittings shall be jacketed with PVC extrusion. Jacket shall be moisture-proof and oil-proof conforming to minimum radius bends of flexible conduit without cracking. Fittings shall be liquid-tight flexible steel conduit made of nondeteriorating, liquid-tight steel.

(4) Pulling Wire: Polypropylene cord.

(C) BOXES

(1) Junction boxes: NEMA 4X stainless steel. Provide as required to minimize cable pulling tension. Not all junction boxes are shown on the plans for clarity. Provide tamper proof screws on all boxes.

(D) POWER CONDUCTORS

(1) Single conductors: Stranded copper, XHHW-2 insulated unless otherwise noted on the Plans.

(2) Colour coding: to NEC and as shown on the Plans.

(E) COMMUNICATION WIRING

(1) Communication cable: Two conductor, 22 gauge, shielded, twisted pair cabling installed outside temperature controlled areas: approved for use in a wet underground duct system.

189
190 (2) Control cable: 24 AWG 4-Pair Shielded 100 Ohm Cable,
191 Manhattan 3422 or Belden 8104.

192
193 **(F) PAD MOUNTED ENCLOSURE**
194

195 (1) Provide NEMA 4X stainless steel pad-lockable
196 enclosures. Hoffman Enclosures: Bulletin Number A4SL or
197 approved equivalent. Dimensions are not to exceed 60"H x
198 31"W x 18"D for mounting to existing concrete pedestal.

199
200 (2) Provide stainless steel mounting channels and other
201 necessary accessories for mounting enclosure to existing
202 concrete pedestal.

203
204 (3) Provide rack mounting angles for accommodating 19"
205 rack mounted equipment.

206
207 (4) Provide a pull-out shelf for portable laptops. Pull-out shelf
208 mounts on a 19" open-frame rack.

209
210 **(G) ENCLOSED CIRCUIT BREAKER**
211

212 (1) Enclosed circuit breakers shall be designed,
213 manufactured, and tested in accordance with UL 489, CSA
214 22.2, and NEMA 250 standards and certifications.

215
216 (2) Provide NEMA 1 surface mounted general purpose
217 enclosure intended for indoor use.

218
219 (3) Provide necessary stainless steel mounting accessories
220 for mounting enclosed circuit breaker within new pad mounted
221 enclosure.

222
223 (4) All enclosed circuit breakers shall have nameplates that
224 contain a permanent record of catalog number and maximum
225 rating.

226
227 (5) Provide handle mechanisms that are pad-lockable in the
228 "OFF" position.

229
230 **621.03 CONSTRUCTION REQUIREMENTS**
231

232 **(A) INSTALLATION**
233

234 (1) Mounting on existing structures:
235

- 236 (a) Confirm all conduit runs and equipment mounting
237 locations with Engineer.
238
239 (b) Provide shop drawings for Engineer's review and
240 approval to detail existing condition as well as new
241 junction box and conduit locations.
242
243 (c) Conduit, junction boxes, and equipment shall be
244 located to minimize visual impact.
245
246 (d) Confirm all mounting methods with Engineer prior
247 to installation.
248
249 (e) Install cable, boxes, mounting hardware, and
250 system components in strict accordance with
251 manufacturer's written installation instructions.
252
253 (f) Install components securely, properly aligned and
254 in locations shown on plans and approved by Engineer.
255
256 (g) Install exterior equipment with vandal and tamper
257 proof hardware.
258

259 **(B) CABLE INSTALLATION IN DUCT**
260

- 261 (1) Install cables as indicated in ducts.
262
263 (2) Do not pull spliced cables inside ducts.
264
265 (3) Install multiple cables in duct simultaneously.
266
267 (4) Use NEC approved lubricants of type compatible with
268 cable jacket to reduce pulling tension.
269
270 (5) Perform tests using qualified personnel. Provide
271 necessary instruments and equipment.
272
273 (6) Acceptance Tests
274
275 (7) Ensure that terminations and accessory equipment are
276 disconnected.
277
278 (8) Ground shields, ground wires, metallic armor and
279 conductors not under test.
280

281 **(C) GROUNDING AND BONDING**
282

- 283 (1) All grounding and bonding shall conform to the NEC.
284
285 (2) Connect all ground rods, plates, conductors, and
286 galvanized steel conduits together. Connect only one wire to
287 any one ground bushing.
288

289 **(D) LABELING**
290

- 291 (1) Label all cables, conductors, ports, and terminals as
292 shown on the Plans.
293

- 294 (2) Label all cables and wiring in junction boxes, handholes,
295 cabinets and any other access points using a permanent,
296 durable, and waterproof printer-generated labeling system.
297 Securely fasten the label tag to the cable using Ty-Wraps or
298 equivalent fastening methods. Provide the Engineer with a
299 sample of all proposed types of labels for review and approval 2
300 weeks prior to installation. Approval of the labeling system shall
301 be at the sole discretion of the Engineer.
302

- 303 (3) All end of wire segments and all access points between
304 source and destination shall be labeled. Wire labeling shall
305 adhere to the following nomenclature: <Cabinet Name>.<Device
306 Name>.<Cable Number>.<Wire Number>. Provide a sample of
307 the proposed labeling to the Engineer for approval prior to
308 installation.
309

- 310 (4) Label all electrical equipment and enclosures, including
311 but not limited to, junction boxes, breakout boxes, and power
312 supplies using the following systems:
313

- 314 (a) Label inside equipment as shown on the Plans
315 using a lamicoid style label on the front face of each
316 enclosure with the wording shown on Plans. Use
317 25mm high white characters on a red background.
318 Rivet the nameplate using a minimum of 4 stainless
319 steel rivets.
320

321 **(E) SYSTEM TESTING AND COMMISSIONING**
322

- 323 (1) Contractor will support all system testing of the DMS
324 system to ensure proper installation of Contractor provided
325 materials and equipment. Testing is anticipated to include:
326

- 327 (a) Field Testing: Test all DMS and components once
328 the system is installed.
329

330 **621.04 Method of Measurement.**

331

332 DMS system charges will be paid on a lump sum basis per site.
333 Measurement for payment will not apply.

334

335 **621.05 Basis of Payment.**

336

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

341

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

344

345 **Pay Item**

Pay Unit

346

347 Kaamilo Site Electrical and
348 Communication Systems

Lump Sum

349

350 Liliha Site Electrical and
351 Communication Systems

Lump Sum"

352

353

354

END OF SECTION 621

PRE-BID MEETING NOTES

Project: Freeway Management System, Phase 1B, Traveler Information System, Unit 4B: Dynamic Message Sign Installation, Island of Oahu. Federal-Aid Project No. IM-0300(117).

Subject: Non-mandatory Pre-bid Conference

Date/Time: March 24, 2010 / 9:30 AM – 10:30 AM

Held: State Department of Transportation, Highways Division, Room 541, Kapolei, HI 96707

Present: See attached lists of attendees

Discussed:

A. Reed Matsuo opens meeting at 9:30 A.M.:

1. Meeting is non-mandatory and is intended for clarification prior to bidding.
2. If you haven't done yet, please sign in.
3. Any discrepancies will be addressed by addendum.
4. Bidders have until March 31, 2010, 4:30 p.m. to submit any questions.
5. The minutes to this meeting will be distributed via an addendum.
6. Bid opening is scheduled for 2:00 p.m., April 15, 2010.
7. This meeting will be held open until 10:00 A.M. to assure all prospective bidders have the opportunity to attend this Pre-bid meeting.
8. Additional items:
 - a. Item Numbers 685.2001 and 685.2002 will be paid by a single disbursement to the company providing the DSL service. This will be clarified via addendum.
 - b. New conduit will be PVC coated. This will be clarified via addendum.
 - c. A noise variance meeting was held on February 17, 2010; however, the Department of Health has not yet issued a decision.

B. Open discussion to prospective bidders:

Q: How long can the existing DMS be out of service?

A: There is no minimum; however, the contractor should make every effort to minimize the downtime.



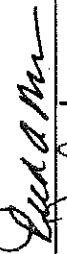
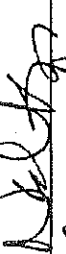


Q: Which manufacturer is supplying the new Dynamic Message Signs?

A: The new signs will be supplied by Skyline Products, Inc. The model number for the sign is VMSLED-W-3-18F-27X125-I.

Meeting Adjourned at 10:00 A.M.

Prepared by: Reed Matsuo

Pre-Bid Meeting Attendance List
 Freeway Management System, Phase 1B, Traveler Information System, Unit 4B: Dynamic Message Sign Installation, Island of Oahu
 Federal-Aid Project No. IM-0300(117)
 March 24, 2010 / 9:30 a.m.

NAME	Signature	Organization	Phone	E-mail Address
1 Tom Heinrich		Global Specialty	843-8881	g1obal@phc@aol.com
2 JOEL ECKEN		Global Specialty	843-8881	j.ecken@global-specialty.net
3 Reed Matsuo		HDOT	642-7674	reed.matsuo@hawaii.gov
4 Neal Kasamoto		AIKAN TSUBUMI	533-2646	nkasamoto@aahawaii.com
5 GEORGE GRIENERER		NAGAMINE CRANE ENGINEERS	535-3004	georgeg@nagamineokawa.com
6 STEVEN SAKAI		Ron Ho & Assoc.	941-0577	postmaster@ronha.com
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8				
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17				
18				

GENERAL DECISION: HI20100001 03/12/2010 HI1

Date: March 12, 2010

General Decision Number: HI20100001 03/12/2010

Superseded General Decision Number: HI20080001

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	03/12/2010

ASBE0132-001 08/30/2009

	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.....	\$ 35.60	21.69

BOIL0627-005 10/01/2008

	Rates	Fringes
BOILERMAKERS.....	\$ 31.00	22.10

BRHI0001-001 08/31/2009

	Rates	Fringes
BRICKLAYER Bricklayers and Stonemasons.	\$ 36.20	16.77
Pointers, Caulkers and Weatherproofers.....	\$ 36.45	16.77

BRHI0001-002 08/31/2009

	Rates	Fringes
Tile, Marble & Terrazzo Worker		
Terrazzo Base Grinders.....	\$ 34.64	16.77
Terrazzo Floor Grinders		
and Tenders.....	\$ 33.09	16.77
Tile, Marble and Terrazzo		
Workers.....	\$ 36.45	16.77

CARP0745-001 08/31/2009

	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.....	\$ 36.20	19.22
Millwrights and Machine		
Erectors.....	\$ 36.45	19.22
Power Saw Operators (2		
h.p. and over).....	\$ 36.35	19.22

CARP0745-002 08/31/2009

	Rates	Fringes
Drywall and Acoustical		
Workers and Lathers.....	\$ 36.45	19.22

ELEC1186-001 03/01/2009

	Rates	Fringes
Electricians:		
Cable Splicers.....	\$ 42.68	30.6%+11.65
Electricians.....	\$ 38.80	30.6%+11.65
Technicians.....	\$ 39.96	30.6%+11.65

ELEC1186-002 08/23/2009

	Rates	Fringes
Line Construction:		
Cable Splicers.....	\$ 42.68	3%+15.82
Groundmen/Truck Drivers.....	\$ 29.10	3%+16.70
Heavy Equipment Operators...	\$ 34.92	3%+17.61
Linemen.....	\$ 38.80	3%+18.21
Technicians.....	\$ 39.96	30.6%+11.65

* ELEV0126-001 01/01/2010

	Rates	Fringes
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ELEVATOR MECHANIC.....\$ 48.23 20.24

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

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

 ENGI0003-002 08/31/2009

	Rates	Fringes
Diver (Aqua Lung) (Scuba)		
Diver (Aqua Lung) (Scuba)		
(over a depth of 30 feet)...	\$ 56.80	22.83
Diver (Aqua Lung) (Scuba)		
(up to a depth of 30 feet)...	\$ 47.43	22.83
Stand-by Diver (Aqua Lung)		
(Scuba).....	\$ 38.05	22.83
Diver (Other than Aqua Lung)		
Diver (Other than Aqua Lung).....	\$ 56.80	22.83
Diver Tender (Other than Aqua Lung).....	\$ 35.02	22.83
Stand-by Diver (Other than Aqua Lung).....	\$ 38.05	22.83
Helicopter Work		
Airborne Hoist Operator for Helicopter.....	\$ 36.60	22.83
Co-Pilot of Helicopter.....	\$ 36.74	22.83
Pilot of Helicopter.....	\$ 36.91	22.83
Power equipment operator - tunnel work		
GROUP 1.....	\$ 33.04	22.83
GROUP 2.....	\$ 33.15	22.83
GROUP 3.....	\$ 33.32	22.83
GROUP 4.....	\$ 33.59	22.83
GROUP 5.....	\$ 33.90	22.83
GROUP 6.....	\$ 34.55	22.83
GROUP 7.....	\$ 34.87	22.83
GROUP 8.....	\$ 34.98	22.83
GROUP 9.....	\$ 35.09	22.83
GROUP 9A.....	\$ 35.32	22.83
GROUP 10.....	\$ 35.38	22.83
GROUP 10A.....	\$ 35.53	22.83
GROUP 11.....	\$ 35.68	22.83
GROUP 12.....	\$ 36.04	22.83
GROUP 12A.....	\$ 36.40	22.83
Power equipment operators:		
GROUP 1.....	\$ 32.74	22.83
GROUP 2.....	\$ 32.85	22.83
GROUP 3.....	\$ 33.02	22.83
GROUP 4.....	\$ 33.29	22.83
GROUP 5.....	\$ 33.60	22.83
GROUP 6.....	\$ 34.25	22.83

GROUP 7.....	\$ 34.57	22.83
GROUP 8.....	\$ 34.68	22.83
GROUP 9.....	\$ 34.79	22.83
GROUP 9A.....	\$ 35.02	22.83
GROUP 10.....	\$ 35.08	22.83
GROUP 10A.....	\$ 35.23	22.83
GROUP 11.....	\$ 35.38	22.83
GROUP 12.....	\$ 35.74	22.83
GROUP 12A.....	\$ 36.10	22.83
GROUP 13.....	\$ 33.02	22.83
GROUP 13A.....	\$ 33.29	22.83
GROUP 13B.....	\$ 33.60	22.83
GROUP 13C.....	\$ 34.25	22.83
GROUP 13D.....	\$ 34.57	22.83
GROUP 13E.....	\$ 34.68	22.83

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

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

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

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

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

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

GROUP 6: Boom Truck or Dual Purpose "A"Frame Truck (over 5 tons); Combination Loader/Backhoe (up to and including 3/4 cu. yd.); Concrete Batch Plants (wet or dry); Concrete Cutter, Groover and/or Grinder (self-propelled unit on streets, highways, airports, and canals); Conveyor or Concrete Pump (Truck or Equipment Mounted); Drilling Machinery (not to apply to waterliners, wagon drills or jack hammers); Fork Lift (over 10 tons); Loader (up to and including 3 and 1/2 cu. yds); Lull High Lift (under 40 feet); Lubrication and Service Engineer (Mobile); Maginnis Internal Full Slab Vibrator (on airports, highways, canals and warehouses); Man or Material Hoist; Mechanical Concrete Finisher (Large Clary, Johnson Bidwell, Bridge Deck and similar); Mobile Truck Crane Driver; Portable Shotblast Concrete Cleaning Machine; Portable Boring Machine (under

streets, highways, etc.); Portable Crusher; Power Jumbo Operator (setting slip forms, etc., in tunnels); Rollers (over 5 tons); Self-propelled Compactor (single engine); Self-propelled Pavement Breaker; Skidsteer Loader with attachments; Slip Form Pumps (Power driven by hydraulic, electric, air, gas, etc., lifting device for concrete forms); Small Rubber Tired Tractors; Trencher (up to and including 6 feet); Underbridge Personnel Aerial Platform (50 feet of platform or less).

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

GROUP 8: Asphalt Plant Operator; Barge Mate (Seagoing); Cast-in-Place Pipe Laying Machine; Concrete Batch Plant (multiple units); Conveyor Operator (tunnel); Deckmate; Dozer (D-6 and similar); Finishing Machine Operator (airports and highways); Gradesetter; Kolman Loader (and similar); Mucking Machine (Crawler-type); Mucking Machine (Conveyor-type); No-Joint Pipe Laying Machine; Portable Crushing and Screening Plant; Power Blade Operator (under 12); Saurman Type Dragline (up to and including 5 yds.); Stationary Pipe Wrapping, Cleaning and Bending Machine; Surface Heater and Planer Operator, Tractor (D-6 and similar); Tri-Batch Paver; Tunnel Badger; Tunnel Mole and/or Boring Machine Operator Underbridge Personnel Aerial Platform (over 50 feet of platform).

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

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

GROUP 10: Chicago Boom; Cold Planers; Heavy Duty Repairman or Welder; Hoist and/or Winch (3 drums); Hydraulic Skooper (Koehring and similar); Loader (over 6 cu. yds. up to and

including 12 cu. yds.); Saurman type Dragline (over 5 cu. yds.); Self-propelled, rubber-tired Earthmoving Equipment (over 20 cu. yds. up to and including 31 cu. yds.) (637D and similar); Soil Stabilizer (P & H or equal); Sub-Grader (Gurries or other automatic type); Tractors (D-9 or equivalent, all attachments); Tractor (Tandem Scraper); Watch Engineer.

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

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

GROUP 12: Clamshell or Dipper Operator; Derricks; Drill Rigs; Multi-Propulsion Earthmoving Machines (2 or more Scrapers) (over 35 cu. yds. "struck" m.r.c.); Operators (Derricks, Piledrivers and Cranes); Power Shovels and Draglines (7 cu. yds. m.r.c. and over); Self-propelled rubber-tired Earthmoving equipment (over 31 cu. yds.) (657B and similar); Wheel Excavator (up to and including 750 cu. yds. per hour); Wheel Excavator (over 750 cu. yds. per hour).

GROUP 12A: Dozer (D-11 or similar or larger); Hydraulic Excavators (over 4 cu. yds.); Lifting cranes (50 tons and over); Pioneering Dozer/Backhoe (initial clearing and excavation for the purpose of providing access for other equipment where the terrain worked involves 1-to-1 slopes that are 50 feet in height or depth, the scope of this work does not include normal clearing and grubbing on usual

hilly terrain nor the excavation work once the access is provided); Power Blade Operator (Cat 12 or equivalent or over); Straddle Lifts (over 50 tons); Tower Crane, Mobile; Traveling Truss Cranes; Universal, Liebherr, Linden, and similar types of Tower Cranes (in the erection, dismantling, and moving of equipment there shall be an additional Operating Engineer or Heavy Duty Repairman); Yo-Yo Cat or Dozer.

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

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

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

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

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

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

BOOMS AND/OR LEADS (HOURLY PREMIUMS):

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

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

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

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

ENGI0003-004 08/31/2009

Rates

Fringes

Dredging: (Boat Operators)		
Boat Deckhand.....	\$ 33.02	22.83
Boat Operator.....	\$ 35.23	22.83
Master Boat Operator.....	\$ 35.38	22.83
Dredging: (Clamshell or Dipper Dredging)		
GROUP 1.....	\$ 35.74	22.83
GROUP 2.....	\$ 35.08	22.83
GROUP 3.....	\$ 34.68	22.83
GROUP 4.....	\$ 33.02	22.83
Dredging: (Derricks)		
GROUP 1.....	\$ 35.74	22.83
GROUP 2.....	\$ 35.08	22.83
GROUP 3.....	\$ 34.68	22.83
GROUP 4.....	\$ 33.02	22.83
Dredging: (Hydraulic Suction Dredges)		
GROUP 1.....	\$ 35.38	22.83
GROUP 2.....	\$ 35.23	22.83
GROUP 3.....	\$ 35.08	22.83
GROUP 4.....	\$ 35.02	22.83
GROUP 5.....	\$ 34.68	22.83
GROUP 6.....	\$ 34.57	22.83
GROUP 7.....	\$ 33.02	22.83

CLAMSHELL OR DIPPER DREDGING CLASSIFICATIONS

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

HYDRAULIC SUCTION DREDGING CLASSIFICATIONS

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

DERRICK CLASSIFICATIONS

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

ENGI0003-044 08/31/2009

Rates

Fringes

Power Equipment Operators

(PAVING)

Asphalt Concrete Material Transfer.....	\$ 34.87	23.18
Asphalt Plant Operator.....	\$ 35.30	23.18
Asphalt Raker.....	\$ 33.91	23.18
Asphalt Spreader Operator....	\$ 35.39	23.18
Cold Planer.....	\$ 34.70	23.18
Combination Loader/Backhoe (over 3/4 cu.yd.).....	\$ 33.91	23.18
Combination Loader/Backhoe (up to 3/4 cu.yd.).....	\$ 32.93	23.18
Concrete Saws and/or Grinder (self-propelled unit on streets, highways, airports and canals).....	\$ 34.87	23.18
Grader.....	\$ 35.70	23.18
Laborer, Hand Roller.....	\$ 33.41	23.18
Loader (2 1/2 cu. yds. and under).....	\$ 34.87	23.18
Loader (over 2 1/2 cu. yds. to and including 5 cu. yds.).....	\$ 35.19	23.18
Roller Operator (five tons and under).....	\$ 33.64	23.18
Roller Operator (over five tons).....	\$ 35.07	23.18
Screed Person.....	\$ 34.87	23.18
Soil Stabilizer.....	\$ 34.70	23.18

IRON0625-001 09/01/2009

	Rates	Fringes
Ironworkers:.....	\$ 32.50	26.01
a. Employees will be paid \$.50 per hour more while working in tunnels and coffer dams; \$1.00 per hour more when required to work under or are covered with water (submerged) and when they are required to work on the summit of Mauna Kea, Mauna Loa or Haleakala.		

LABO0368-001 08/31/2009

	Rates	Fringes
Laborers:		
GROUP 1.....	\$ 28.30	15.15
GROUP 2.....	\$ 25.70	15.15
GROUP 3.....	\$ 29.30	15.15
GROUP 4.....	\$ 28.80	15.15
GROUP 5.....	\$ 27.80	15.15
GROUP 6.....	\$ 19.70	10.90

LABORERS CLASSIFICATIONS

GROUP 1: 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; Fence and/or Guardrail Erector; 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 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.

GROUP 2: Air Blasting; Appliance Handling (job site) (after delivery and unloading in storage area); Asphalt Plant Laborer; Backfilling, Grading and all other labor connected therewith; Boring Machine; Bridge Laborer; Burning of all debris (crates, boxes, packaging waste materials); Chainman, Rodmen, and Grade Markers; Cleaning and Clearing of all debris; Cleaning, clearing, grading and/or removal for streets, highways, roadways, aprons, runways, sidewalks, parking areas, airports, approaches, and other similar installations; Cleaning or reconditioning of streets, ways, sewers and waterlines, all maintenance work and work of an unskilled and semi-skilled nature; Cleanup of Grounds and Buildings (other than "Light Clean-Up") (Janitorial Laborer); Clean-up of right-of-way; Clearing and slashing of brush or trees by hand or mechanical cutting; Concrete Bucket Tender (Groundman) hooking and unhooking of bucket; Concrete Forms; moving, cleaning, oiling and carrying to the next point of erection of all forms; Concrete Products Plant Laborers; Conveyor Tender (conveying of building materials); Cribbers, Shorer, Lagging, Sheeting, and Trench Jacking and Bracing, Hand-Guided Lagging Hammer Whaling Bracing; Crushed Stone Yards and Gravel and Sand Pit Laborers and all other similar plants; Demolition, Wrecking and Salvage Laborers; Wrecking and dismantling of buildings and all structures, with use of cutting or wrecking tools, burning or cutting, breaking away, cleaning and removal of all masonry, wood or metal fixtures for salvage or scrap, All hooking, unhooking, signaling of materials for salvage or scrap removed by crane or derrick; Digging under streets, roadways, aprons or other paved surfaces; Chuck Tender, Outside Nipper; Dry-packing of concrete (plugging and filling of she-bolt holes); Excavation, Preparation of street ways and bridges; Fence and/or Guardrail Erector; Dismantling and/or re-installation of all fence; Finegrader; Firewatcher; Flagman (Coning, preparing, establishing and removing portable roadway barricade devices); Signal Men on all construction work defined herein, including Traffic Control Signal Men at construction site; Garbage and Debris Handlers and Cleaners; Gas, Pneumatic, and Electric Tools, not listed Group 1 (except Rototiller); General Clean-up: sweeping, cleaning, washdown, wiping of construction facility, and equipment (other than "Light Clean-up" [Janitorial] Laborer); General Excavation and Grading (all labor connected therewith); Digging of trenches, ditches and manholes and the leveling, grading and other preparation

prior to laying pipe or conduit for any purpose;
Excavations and foundations for buildings, piers,
foundations and holes, and all other construction; General
Laborer; Ground and Soil Treatment Work (Pest Control);
Junk Yard Laborers (same as Salvage Yard); Landscape
Nursery Laborers; Laser Beam "Target Man" in connection
with Laborers' work; Layout Person for Plastic (when work
involves waterproofing for waterponds, artificial lakes and
reservoirs); Limbers, Brush Loaders, and Pilers; Loading,
Unloading, carrying, distributing and handling of all rods
and material for use in reinforcing concrete construction
(except when a derrick or outrigger operated by other than
hand power is used); Loading, unloading, sorting,
stockpiling, handling and distribution of water mains, gas
mains and all pipes; Loading and unloading of all
materials, fixtures, furnishings and appliances from point
of delivery to stockpile to point of installation; hooking
and signalling from truck, conveyance or stockpile;
Material Yard Laborers; Pipelayer Tender; Pipewrapper,
Caulker, Bander, Kettlemen, and men applying asphalt,
Laykold, Creosote, and similar-type materials (pipe under 6
inches); Plasterer Laborer (including Hod Carrier);
Preparation, construction and maintenance of roadbeds and
sub-grade for all paving, including excavation, dumping,
and spreading of sub-grade material; Prestressed or precast
concrete slabs, walls, or sections: all loading, unloading,
stockpiling, hooking on of such slabs, walls or sections;
Quarry Laborers; Railroad, Streetcar, and Rail Transit
Maintenance and Repair; Removal of surplus material;
Roustabout; Rubbish Trucks in connection with Building
Construction Projects (excluding clearing, grubbing, and
excavating); Salvage Yard: All work connected with cutting,
cleaning, storing, stockpiling or handling of materials,
all cleanup, removal of debris, burning, back-filling and
landscaping of the site; Sandblasting (Pot Tender): Hoses
and pots or markers; Scaffolds: Erection, planking and
removal of all scaffolds used for support for lathers,
plasters, brick layers, masons, and other construction
trades crafts; Scaffolds: (Specially designed by
carpenters) laborers shall tend said carpenter on erection
and dismantling thereof, preparation for foundation or
mudsills, maintenance; Scraping of floors; Screeds:
Handling of all screeds to be reused; handling, dismantling
and conveyance of screeds; Setting, leveling and securing
or bracing of metal or other road forms and expansion
joints; Sheet piling/trench shoring (handling and
placing of skip sheet or wood plank trench shoring); Ship
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
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.

GROUP 3: Licensed Powdermen; Driller (Track, Diamond Core, and Wagon) (Ingersoll-Rand ECM-350/ECM-635/ECM-635/ECM660, Sandvik Pantera HL 1500, Atlas-Copco ROC 7F); Driller (Joydrill Model TWM-2A, Gardner Denver Dri-143 and similar type drills) (in accordance with the Memorandum of Understanding between the Laborers and Operating Engineers dated at Miami, Florida, February 3, 1954); Driller (Mechanical) (Not ocvered elsewhere) (including multiple unit) (Ingersoll-Rand DM45E/DM50E/LM-100/LM-600C, Gardner-Denver SCH2500/SCH3500 BV, Furukawa HCR-C300, Tamrock Drilltech CHA 800/DHH 850/Tamrock Commando) (similar and Replacement equipment thereof); Drilling for blasting; Operation of all rock and concrete drills and Jack Hammers, including handling, carrying, laying out of hose. (Ingersoll-Rand DM45E/DM50E/LM-100/LM-600C. Gardner-Denver SCH2500/SCH3500 BV Furukawa HCR-C300, Tamrock Drilltech CHA 800/DHH 850/Tamrock Commando, Pantera 900, 1100 and 1500, Ranger 700, Super Tiger 700), (similar and replacement equipment thereof); Drilling (Mechanical) on the site or along the right-of-way as well as access roads, reservoirs, including areas adjacent or pertinent to construction sites.

GROUP 4: Gunnite Operator; High Scaler (working suspended), Pipelaying.

GROUP 5: Window Washer (Outside) (Working from bosun's chair and/or cable-suspended scaffold or work platform).

GROUP 6: Light/Final Clean-Up.

LABO0368-002 08/31/2009

	Rates	Fringes
Landscape & Irrigation Laborers		
GROUP 1.....	\$ 20.96	8.37
GROUP 2.....	\$ 21.46	8.37
GROUP 3.....	\$ 17.46	8.37

LABORERS CLASSIFICATIONS

GROUP 1: Installation of non-potable permanent or temporary irrigation water systems performed for the purposes of Landscaping and Irrigation architectural horticultural work; the installation of drinking fountains and permanent or temporary irrigation systems using potable water for Landscaping and Irrigation architectural horticultural purposes only. This work includes (a) the installation of

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

GROUP 2. Layout of irrigation and other non-potable irrigation water systems and the layout of drinking fountains and other potable irrigation water systems in connection with such Landscaping and Irrigation work. This includes the layout of all heads, risers, valves, valve boxes, vacuum breakers, low voltage electrical lines, hydraulic and electrical controllers, and metallic (coppers, brass, galvanized, or similar) pipe, as well as PVC or other plastic pipe. This work also includes the reading and interpretation of plans and specifications in connection with the layout of Landscaping, Rockscape, Waterscape, and Irrigation work; Operation of Hydro-Mulching machines (sprayman and driver), Drillers, Trenchers (riding type, Davis T-66, and similar) and fork lifts used in connection with the performance of such Landscaping and Irrigation work; Tree climbers and chain saw tree trimmers, Sporadic operation (when used in connection with Landscaping, Rockscape, Waterscape, and Irrigation work) of Skid-Steer Loaders (Bobcat and

similar), Cranes (Bantam, Grove, and similar), Hoptos, Backhoes, Loaders, Rollers, and Dozers (Case, John Deere, and similar), Water Trucks, Trucks requiring a State of Hawaii Public Utilities Commission Type 5 and/or type 7 license, sit-down type and "gang" mowers, and other self-propelled, sit-down operated machines not listed under Landscape & Irrigation Maintenance Laborer; Chemical spraying using self-propelled power spraying equipment (200 gallon capacity or more).

GROUP 3: Maintenance of trees, shrubs, ground covers, lawns and other planted areas, including the replanting of trees, shrubs, ground covers, and other plantings that did not "take" or which are damaged; provided, however, that re-planting that requires the use of equipment, machinery, or power tools shall be paid for at the rate of pay specified under Landscape and Irrigation Laborer, Group 1; Raking, mowing, trimming, and runing, including the use of "weed eaters", hedge trimmers, vacuums, blowers, and other hand-held gas, air, electric, or self-powered tools, and the operation of lawn mowers (Note: The operation of sit-down type and "gang" mowers shall be paid for at the rate of pay specified under Landscape & Irrigation Laborer, Group 2); Guywiring, staking, propping, and supporting trees; Fertilizing, Chemical spraying using spray equipment with less than 200 gallon capacity, Maintaining irrigation and sprinkler systems, including the staking, clamping, and adjustment of risers, and the adjustment and/or replacement of sprinkler heads, (Note: the cleaning and gluing of pipe and fittings shall be paid for at the rate of pay specified under Landscape & Irrigation Laborer (Group 1); Watering by hand or sprinkler system and the performance of other types of gardening, yardman, and horticultural-related work.

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	Rates	Fringes
Underground Laborer		
GROUP 1.....	\$ 28.90	15.15
GROUP 2.....	\$ 30.40	15.15
GROUP 3.....	\$ 30.90	15.15
GROUP 4.....	\$ 31.90	15.15
GROUP 5.....	\$ 32.25	15.15
GROUP 6.....	\$ 32.50	15.15
GROUP 7.....	\$ 32.95	15.15

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 Picker (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 07/01/2009

	Rates	Fringes
Painters:		
Brush.....	\$ 31.80	22.75
Sandblaster; Spray.....	\$ 31.80	22.75

PAIN1889-001 07/01/2009

	Rates	Fringes
Glaziers.....	\$ 30.05	23.12

PAIN1926-001 03/01/2009

	Rates	Fringes
Soft Floor Layers.....	\$ 26.85	20.00

* PAIN1944-001 01/01/2010

	Rates	Fringes
Taper.....	\$ 39.00	16.40

PLAS0630-001 08/31/2009

	Rates	Fringes
PLASTERER.....	\$ 36.99	16.77

PLAS0630-002 08/31/2009

	Rates	Fringes
Cement Masons:		
Cement Masons.....	\$ 36.15	16.77
Trowel Machine Operators....	\$ 36.30	16.77

PLUM0675-001 07/05/2009

	Rates	Fringes
Plumber, Pipefitter, Steamfitter & Sprinkler Fitter....	\$ 35.10	21.18

ROOF0221-001 09/27/2009

	Rates	Fringes
Roofers (Including Built Up, Composition and Single Ply).....	\$ 33.60	15.08

SHEE0293-001 08/30/2009

	Rates	Fringes
Sheet metal worker.....	\$ 32.45	24.11

SUHI1997-002 09/15/1997

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

RIGGERS; WELDERS - Receive rate prescribed for craft performing
operation to which rigging or 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
(29 CFR 5.5 (a) (1) (ii)).

In the listing above, the "SU" designation means that rates
listed under the identifier do not reflect collectively
bargained wage and fringe benefit rates. Other designations
indicate unions whose rates have been determined to be
prevailing.

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