

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ADDENDUM NO. 3

FOR

**KAMEHAMEHA HIGHWAY
REPAIR AND REPAINT KARSTEN THOT BRIDGE
FEDERAL AID PROJECT NO. BR-080-1(012)
DISTRICT OF WAHIAWA
ISLAND OF OAHU
FY 2014**

The following amendments shall be made to the Bid Documents:

A. NOTICE TO BIDDERS

1. Prospective bidders are hereby notified that receiving of sealed proposals scheduled for December 4, 2014, will be postponed and rescheduled for 2:00 P.M., January 8, 2015. The attached NOTICE TO BIDDERS shall be incorporated and made a part of the NOTICE TO BIDDERS.

B. SPECIAL PROVISIONS

1. Replace Pages 501-1a to 501-3a dated r11/14/14 with the attached Pages 501-1a to 501-3a dated r11/26/14.
2. Replace Pages 695-1a to 695-17a dated 10/04/13 with the attached Pages 695-1a to 695-17a dated r11/26/14.
3. Replace Federal Wage Rates dated 11/14/14 with the attached Federal Wage Rates dated 11/21/14.


C. PLANS

1. Replace Plan Sheet No. 23 with the attached Plan Sheet No. ADD. 23.

ANSWERS TO QUESTIONS FROM PROSPECTIVE BIDDER

1. Attached are the Pre-bid RFI's and responses for your information.

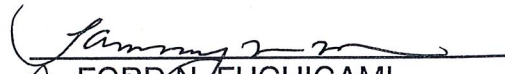
Please acknowledge receipt of this Addendum No. 3 by recording the date of its receipt in the space provided on page P-4 of the Proposal.



FORD N. FUCHIGAMI
Interim Director of Transportation

NOTICE TO BIDDERS

The receiving of sealed proposals for **KAMEHAMEHA HIGHWAY, REPAIR AND REPAINT KARSTEN THOT BRIDGE, FEDERAL-AID PROJECT NO. BR-080-1(012), DISTRICT OF WAHIAWA, ISLAND OF OAHU**, at the Contracts Office, Department of Transportation, 869 Punchbowl Street, Honolulu, Hawaii 96813, scheduled for 2:00 P.M., December 4, 2014, is hereby **POSTPONED UNTIL 2:00 P.M., January 8, 2015**, at which time and place they will be publicly opened and read.



FORD N. FUCHIGAMI
Interim Director of Transportation

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SECTION 501 – STEEL STRUCTURES

Make the following amendment to said Section:

(I) Amend **Section 501.01 Description** by adding the following paragraph after line 9 to read:

“This section shall also apply to repairing of existing bridge steel according to the contract documents. For painting of existing bridge steel, refer to Special Provisions Section 694 Clean and Paint Structural Bridge Steel.”

(II) Amend **Subsection 501.03(E)(11) Bolted Connections** by adding the following paragraphs after line 267 to read:

“New bolt holes in existing steel shall be field drilled. Where specified to be reused, existing bolt or rivet holes in existing steel shall be reamed as necessary to fit new bolts. New bolt holes and existing bolt or rivet holes that are reused shall be cleaned, surface prepared, primed, and touch-up coated with two coats of zinc coating. Zinc coating shall be dry to touch (approximately 30 minutes dry time) prior to installing new bolts.

Where indicated on the contract plans, new high-strength bolts shall conform to ASTM A325 and ASTM F1852 tension-controlled bolts with button heads. Bolts shall be installed with the button-heads placed as shown on the contract plans. Tension-controlled bolts with button heads shall be mechanically galvanized.

Zinc coated and mechanically galvanized bolts, nuts and washers shall be field coated with epoxy after installation and inspection, and prior to painting. Epoxy shall be from the same manufacturer as the moisture-cure polyurethane paint specified in Special Provisions Section 694 Clean and Paint Structural Bridge Steel.”

(III) Amend **Subsection 501.03(F) Painting, Paragraph (1) General** by adding the following paragraphs after line 288 to read:

“Unless otherwise specified, new steel for the various repairs shall be hot-dip zinc coated after fabrication, first intermediate coat with epoxy paint, second intermediate coat with encapsulating moisture-cure polyurethane paint, and top coated with moisture-cure polyurethane paint.

47 Existing painted bridge steel shall be cleaned and encapsulated
48 with a coating system consisting of a moisture-cure polyurethane base
49 coat. Top coat shall consist of a moisture-cure polyurethane paint.
50 Refer to Special Provisions Section 694 Clean and Paint Structural
51 Bridge Steel.”
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54 **(IV)** Amend **Section 501.04 Measurement** to read as follows:
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56 **“501.04 Measurement.** The Engineer will measure Repair to Structural Steel
57 Members on a unit price basis according to the contract and as specified by the
58 Engineer.
59

60 **(A)** The Engineer will measure accepted replace steel truss rivets with
61 button head H.S. (high-strength) bolts per each.
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63 **(B)** The Engineer will measure accepted replace steel truss rivets with
64 standard H.S. (high-strength) bolts per each.
65

66 **(C)** The Engineer will measure accepted repair steel truss gusset plates,
67 repair steel truss top chords, repair steel truss bottom chords, and repair
68 steel truss web members per pound.
69

70 **(D)** The Engineer will measure accepted repair steel truss lacing bars and
71 repair steel truss stay plates per each.
72

73 **(E)** Repair steel truss bearing connections; Repair steel upper lateral
74 bracing, sway bracing and portal bracing; Repair steel floor beams, deck
75 stringers, and walkway stringers; Repair steel lower lateral x-bracing; Repair
76 steel walkway cantilever truss; and Replace walkway deck joint steel cover
77 plates will be paid on a lump sum basis. Measurement for payment will not
78 apply.
79

80 **(F)** The Engineer will measure repair steel hanger framing below bridge
81 deck and repair steel below walkway cover plates on a force account basis
82 according to Subsection 109.04 – Full Compensation; Changes.”
83
84

85 **(V)** Amend **Section 501.05 Payment** to read as follows:
86

87 **“501.05 Payment.** The Engineer will pay for the accepted pay items listed below
88 at the contract price per pay unit, as shown in the proposal schedule. Payment will
89 be full compensation for the work prescribed in this section and in the contract
90 documents.
91
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93 The Engineer will pay for each of the following pay items when included in the
94 proposal schedule:

95	Pay Item	PayUnit
96		
97		
98	Replace Steel Truss Rivets with _____	Each
99		
100	Repair Steel Truss Gusset Plates	Force Account
101		
102	Repair Steel Truss _____	Pounds
103		
104	Repair Steel Truss _____	Each
105		
106	Repair Steel Truss Bearing Connections	Lump Sum
107		
108	Repair Steel _____	Lump Sum
109		
110	Repair Steel Hanger Framing Below Bridge Deck	Force Account
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112	Repair Steel Below Walkway Cover Plates	Force Account
113		
114	Replace Walkway Deck Joint Steel Cover Plates	Lump Sum”

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END OF SECTION 501

1 Make the following a part of the Standard Specifications:
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3 **“SECTION 695 – LEAD IN CONSTRUCTION**
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5 **695.01 Description of Work.** This work involves the removal of lead-
6 based paint (LBP) to accommodate the planned repair and repainting of the
7 Karsten Thot Bridge and; the containment, collection and disposal of the lead-
8 based paint (LBP) and associated lead-impacted waste; all temporary
9 structures; material and labor associated with the installation of the
10 containment system and working platforms.
11

12 The bridge to be repaired and repainted under this contract contains LBP.
13 Soil containing lead and arsenic at concentrations slightly above the State of
14 Hawaii Department of Health Tier 1 Environmental Action Level (DOH Tier 1
15 EALs) is present below the structure. However, handling, removal and
16 disposal of soil for this project will not be required.
17

18 The Contractor shall take the necessary precautions to ensure full compliance
19 with current and applicable regulations regarding the removal, handling and
20 disposal of hazardous wastes generated by the Contractors operations. The
21 Contractor shall furnish all labor, materials and equipment necessary to carry
22 out the safe removal/remediation, proper handling, transportation and
23 disposal of LBP in compliance with all applicable regulatory requirements.
24 The Engineer will require continuous on-site monitoring under the direction of
25 a Lead Certified Supervisor or Lead Project Designer, provided and paid for
26 by the State, under force account provisions.
27

28 **(A) Lead-Based Paint / Materials with Lead.** The lead work will
29 generally include removing/disturbing materials with lead that will be
30 impacted as part of the bridge repair and repainting activities. Lead-based
31 paint was identified on the following bridge components:
32

- 33 • Black paint over red paint on metal structural beams located
34 underneath the bridge
- 35 • Gray paint located on metal framing of the upper portion of the bridge
36

37
38 **(B)** In addition, lead was reported in the soil surrounding four of the
39 concrete structural support bases of the bridge. The concentrations of
40 lead ranged from 20 to 280 milligrams per kilogram (mg/kg). Two of the
41 soil samples reported concentrations at 260 and 280 mg/kg, which is
42 slightly above the DOH Tier 1 EAL for lead of 200 mg/kg.
43

44 **695.02 Materials Requirements.**
45

46 (A) **Paint Removal Products.** The Contractor shall use the least toxic
47 product approved by the Engineer. The Contractor shall submit the paint
48 removal materials and applicable material safety data sheets for
49 acceptance by the Engineer.

50
51 (B) **Abrasive Materials.** The Contractor shall only use
52 recycled/recyclable steel abrasives.

53
54 The size of abrasives shall be such as to provide an angular
55 surface (anchor) profile of 2 to 3 mils, as measured with accepted
56 software profiler, such as a Profile Comparator or Testex Tape with Mil
57 Guage.

58
59 Maximum lead content of recycled steel abrasive shall be 1,000
60 ppm, or as accepted by the Engineer.

61
62 **695.03 Construction Requirements**

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64 (A) **Reference**

65
66 (1) Structural Steel Painting Council (SSPC):

67
68 (a) Steel surface preparation (SP) standards;

69
70 (b) Steel surface application (PA) standards;

71
72 (c) Painting Contractor Certification Program

73
74 Guide 61 (CON), assists in specifying and designing
75 containment systems

76
77 (2) **SSPC SP-10.** Surface preparation quality corresponding to
78 'Near- White Blast.'

79
80 (B) **General**

81
82 (1) **Changes in Legal Requirements for Lead-Based Paint**
83 **Removal.** The legal requirements described here-in are for
84 reference only. The Contractor shall be responsible for utilizing
85 methods and procedures current at the time of the work operations.

86
87 (C) **Quality Assurance and Control of the Work.**

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89 (1) **Pre-Bid Requirements:** The Contractor shall be familiar
90 with the project site(s), and nature of the work according to the

Contractor's pre-qualification in Section 102, which requires SSPC PCCP, SSPC-QP1 and SSPC-QP2 Certifications.

(2) Pre-Construction Meeting. The Contractor shall meet with the Engineer to discuss in detail the lead removal plan, including work procedures and precautions for the work.

(3) Worker Health:

(a) Medical Examinations.

1. Before exposure to lead-contaminated dust on this project, the Contractor shall provide the workers with a comprehensive medical examination as required by Hawaii Occupational Safety and Health (HIOSH) standards. The Contractor shall not require examination if adequate records show that an employee was examined, as required by HIOSH, within the last year.

2. Medical exams during lead removal activities shall be conducted according to the most recent guidelines and regulations.

3. The Contractor shall provide and pay for medical examinations and all project related health monitoring for three (3) State Employees or State Consultant Employees as designated by the Engineer.

4. Medical Records. The Contractor shall maintain complete medical records of employees for at least forty (40) years or for the duration of employment plus twenty (20) years, whichever is longer. The Contractor shall forward copies to the Engineer for verification.

(a) Respiratory Protection Program. The Contractor shall set up and carry out a respiratory protection program as required by ANSI Z88.2, and HIOSH standards. The Contractor shall furnish each employee, including the three (3) State employees or State consultant employees, a negative pressure respirator or other appropriate type with a respirator fit test at the time of initial fitting and at least every six months thereafter as required by OSHA and HIOSH standards. Negative pressure respirators shall have P-100 filters.

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(b) Safety and Health Compliance. The Contractor shall follow the current laws, ordinances, rules, and regulations of Federal, State, and local agencies on removing, handling, storing, transporting, and disposing of lead waste materials, and the applicable requirements of the current issue of HIOSH standards. The Contractor shall submit interpretation of standards to the Engineer for resolution before starting work. Where specification requirements and the referenced documents vary, the more stringent requirements shall apply.

(4) Project Planning and Review. The Contractor shall provide the Engineer with the following information for acceptance before beginning site operations:

(a) Identification of Hazardous Wastes Associated with the Work. Method used to determine lead content of paint to be removed shall be according to ASTM D3335, or EPA's proposed Method PB92- 114172 (when approved);

(b) Structural calculations and drawings related to the design of the containment system (as needed). Calculations and drawings shall take into consideration wind loads on the containment system and transferred to the bridge structure, along with all normal, and anticipated bridge loads and blasting debris loads. A Hawaii Licensed Professional Engineer-Civil (Structural) shall sign and stamp the calculations and drawings. Refer to General Notes for more complete description of structural analysis requirements;

(c) Estimated quantities of hazardous and non-hazardous waste to be generated and disposed;

(d) Names and qualifications of each worker that will be generating, transporting, storing, treating and disposing of the wastes. Included shall be the facility location and a 24-hour point of contact. The Contractor shall submit two (2) copies of EPA hazardous waste permits to the Engineer;

(e) Names and qualifications (experience and training) of personnel who will be working on-site with hazardous wastes;

- 181 (f) List of waste handling equipment to be used in
182 performing the work, to include cleaning, volume reduction,
183 and transport of equipment;
184
185 (g) Spill prevention, containment, and cleanup
186 contingency measures to be implemented;
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188 (h) Work plan and schedule for waste containment,
189 removal and disposal. The Contractor shall clean up and
190 containerize wastes daily;
191
192 (i) Cost and procedures for hazardous waste disposal
193 according to the accepted plan.
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195 (j) Manifests for the transport of wastes to disposal sites.
196

197 **(5) Lead Certified Supervisor or Project Designer**
198 **Responsibilities.** The Lead Certified Supervisor or Project
199 Designer shall be responsible for developing, implementing, and
200 monitoring the environmental, health, and safety compliance
201 procedures. The responsibilities shall include the following:
202

- 203 (a) Certification of training, and verification of worker
204 medical examinations;
205
206 (b) Reviewing and approving lead-based paint removal
207 plan for conformance to the applicable referenced standards;
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209 (c) Inspecting lead-based paint removal work for
210 conformance with the accepted plan;
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212 (d) Direct Monitoring of all work being performed in this
213 contract, ensuring full compliance with current and
214 applicable regulations regarding the removal, handling and
215 disposal of hazardous wastes generated by the Contractor's
216 operations;
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218 (e) Assuring hazardous exposure to onsite personnel and
219 the environment are adequately controlled at all times.
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221 **(6) Industrial Hygiene Technician (IHT) Responsibilities.** The
222 IHT shall be responsible for the following:
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- 224 (a) Conduct exposure monitoring for workers;
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(b) Ensure exposure to workers and the environment are adequately controlled at all times;

(c) Ensure workers are conducting work in accordance with State and Federal occupational safety and health regulations;

(d) Follow the instructions of the Lead Certified Supervisor or Project Designer.

(7) Training of State Employee or State Employee Consultant. State Employees or State Consultant's Employees shall be trained and qualified in lead removal procedures to include safety requirements and LBP removal procedures.

(8) Training Documentation. The Contractor shall submit copies of current certificates of each employee working at the project site that the employee is certified by the State of Hawaii under their Lead-Based Paint certification program.

(9) Hazard Communication Program. The Contractor shall set up and carry out a Hazard Communication Program as required by applicable HIOSH standards.

(10) Hazardous Waste Management. The Contractor shall submit a Hazardous Waste Management Plan within forty five (45) calendar days after award of contract, for acceptance. The Hazardous Waste Management Plan shall follow current, applicable, requirements of Federal, State and local hazardous waste control regulations and shall address:

(a) **Baseline Testing.** The Contractor shall determine the existing lead levels in areas that may be contaminated by the removal operations before the start of operations, including soils and stream sediments below the lead removal areas. Contractor shall document the existing lead levels at the site (baseline measurement).

(b) **Lead Paint Removal Methods and Containment.**

(c) **Waste Storage on Site.**

(d) **Transport.**

(e) **Disposal.**

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(f) Site Clean-up and Post Project Testing At All Locations Sampled During Baseline Testing.

(g) Hazardous Waste Generator Numbers. The Contractor shall contact the State Highways, Hawaii District Office, to obtain current Hazardous Waste Generator Number(s) for disposal purposes.

(D) Submittals. The Contractor shall submit to the Engineer information, documentation, and materials required for acceptance, before the start of lead removal work.

(1) Manufacturer's Catalog Data. The Contractor shall submit manufacturer's catalog data for the following:

(a) Vacuum equipment;

(b) Respirators;

(c) Paint removal materials and applicable Material Safety Data Sheets (MSDS).

(2) Statements and Certifications.

(a) Qualifications of Lead Certified Supervisor or Project Designer. The Contractor shall submit the name, address, and telephone number of the Lead Certified Supervisor or Project Designer selected to perform responsibilities in Subsection 695.03(C)(5) and shall provide previous experience. The Contractor shall submit documentation that indicates that the Lead Certified Supervisor or Project Designer is certified by the State of Hawaii including certification number and date of certification or recertification. The Lead Certified Supervisor or Project Designer shall have demonstrable experience in lead air monitoring techniques and in the establishment of a respiratory protection program for employees. The Lead Certified Supervisor or Project Designer shall have working knowledge of applicable State and Federal occupational safety and health regulations for lead in construction.

(b) Qualifications of IHT. The Industrial Hygiene Technician (IHT) shall have a minimum of one (1) year of demonstrable experience in the industrial hygiene field working under the direction of a Lead Certified Supervisor or Project Designer, and has completed Lead Abatement

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Supervision and Monitoring training covering practices and procedures in lead abatement, lead air sampling, and lead abatement monitoring.

(c) Lead Removal Plan. The Contractor shall submit a detailed job-specific plan of the work procedures for removing lead-based paint. The plan shall address and include provisions for the following:

1. Decontamination room;
2. Change rooms;
3. Shower facilities;
4. Mechanical ventilation system;
5. Eating, drinking, smoking and restroom procedures;
6. Interface of trades;
7. Sequencing of lead related work;
8. Collected wastewater and paint debris disposal plan;
9. Air sampling plan, including air sampling, training and strategy, sampling methodology, frequency, and duration of sampling in the air sampling portions of the plan;
10. Respirators, protective equipment types with training schedule;
11. Detailed description of the method of containment for the operation to assure that paint chips and airborne lead concentrations do not exceed thirty (30) micrograms per cubic meter of air, outside the lead containment control area;
12. Scaffolding and fall protection provisions, including detailed descriptions of the scaffolding systems proposed, how it will be safely and securely installed, and provisions for the safe access of all areas of the bridges.

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The Engineer and Lead Certified Supervisor or Project Designer will review for acceptance, the plan, before the start of paint removal operations.

(d) Rental Equipment Notification. The Contractor shall submit documents to the Engineer, indicating that the organization renting the equipment to the Contractor has knowledge of the intended use of the equipment.

(e) Manifest. The Contractor shall submit to the Engineer a completed and signed Hazardous Waste Receipt Manifest from the accepting treatment or disposal facility within 60 days of transporting of waste from the project storage area.

(f) Lead Certified Supervisor or Project Designer Acceptance of Work Plan. The Contractor shall submit documents indicating that the Lead Certified Supervisor or Project Designer has accepted the work plan, with the signature, date of acceptance and certification number of the Lead Certified Supervisor or Project Designer.

(g) EPA Acceptance. The Contractor shall submit documents indicating that the EPA has accepted the hazardous waste treatment, storage or disposal facility for lead disposal or treatment.

(3) Testing and Monitoring.

(a) Testing Laboratory. The Contractor shall submit the name, address, and telephone number of the testing laboratory selected to do the testing and reporting of airborne concentrations of lead. The Contractor shall provide documentation that the laboratory doing the analysis has been judged proficient by successful participation, within the last year, in the National Institute for Occupational Safety and Health's (NIOSH) Proficiency Analytical Testing (PAT) Program. The laboratory shall also be accredited with the American Industrial Hygiene Association (AIHA). The Contractor shall provide AIHA documentation along with the date of accreditation and/or reaccreditation.

(b) Monitoring Results. The Contractor shall submit monitoring results to the Engineer:

- 409 1. within five (5) working days, or as
410 approved;
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412 2. signed by the IHT doing the air
413 monitoring and;
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416 3. Certification that all reports have been
417 reviewed by the Lead Certified Supervisor or
418 Project Designer.
419

420 **(4) Certificates of Compliance.** The Contractor shall submit
421 Certificates of Compliance for the following:
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- 423 (a) Vacuum filters;
424
425 (b) Certification of medical examinations;
426
427 (c) Employee training certification;
428
429 (d) Respirator protection program;
430
431 (e) Hazard communication program.
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433 **(E) Equipment Requirements.** The Contractor shall furnish the
434 Engineer with a minimum of three (3) complete sets of personal protective
435 equipment (PPE) daily, for entry into and inspection of the paint removal
436 work within the lead controlled area. Personal protective equipment shall
437 include fitted respirators and disposable whole body covering, including
438 appropriate foot, head, hand and fall protection. PPE shall remain the
439 property of the Contractor. The Contractor shall make available additional
440 sets of PPE when requested by the Engineer.
441

442 **(1) Respirators.** The Contractor shall furnish respirators
443 accepted by NIOSH, for use in atmospheres containing lead dust,
444 and as accepted by the Lead Certified Supervisor or Project
445 Designer. Respirators shall follow the requirements of applicable
446 HIOSH standards.
447

448 **(2) Special Protective Clothing.** The Contractor shall furnish
449 all personnel exposed to lead-contaminated dust with disposable
450 protective whole body clothing, head covering, gloves and foot
451 coverings. Contractor shall provide disposable plastic or rubber
452 gloves to protect hands. The Contractor shall submit the protective
453 clothing for acceptance by the Lead Certified Supervisor or Project
454 Designer. The level of protection may be reduced only after

455 obtaining written acceptance from the Lead Certified Supervisor or
456 Project Designer and the Engineer.

457
458 **(3) Rental Equipment Notification.** If using rental equipment
459 during lead-based paint handling and disposal, the Contractor shall
460 notify the rental company about the intended use of the equipment.
461 The Contractor shall furnish a copy of the written notification to the
462 Engineer.

463
464 **(4) Vacuum Filters.** The Contractor shall use UL 586 labeled
465 HEPA filters.

466
467 **(F) Work Procedures.**

468
469 **(1) General.** The Contractor shall impact LBP and/or materials
470 with lead according to the accepted lead removal plan. The
471 Contractor shall use procedures and equipment required to limit
472 occupational and environmental exposure to lead when lead-based
473 paint is removed using the State of Hawaii Title 11 Hawaii
474 Administrative Rules, Chapter 41 Lead-Based Paint Activities as a
475 guideline. Disposal of removed paint chips and associated waste
476 shall conform to Environmental Protection Agency (EPA), Federal,
477 State, and local requirements;

478
479 **(2) Notification.** The Contractor shall notify the Engineer twenty
480 (20) days before the start of paint removal work;

481
482 **(3) Lead Baseline Data.** The Contractor shall create a
483 preconstruction baseline data base for project site contamination
484 measurements;

485
486 **(4) Boundary Requirements.** The Contractor shall provide
487 physical boundaries around the lead control area by roping off the
488 area, or providing curtains, portable partitions, or other enclosures
489 to assure that airborne concentrations of lead will not reach thirty
490 (30) micrograms per cubic meter of air outside of the lead control
491 area;

492
493 **(5) Lead Control Area Requirements.** The Contractor shall set
494 up lead control area by completely enclosing, with containment
495 screens, the area or structure where the Contractor will do lead-
496 based paint removal operations; No lead containing particles
497 (including airborne particles), materials, etc. shall be allowed into
498 the surrounding environment;

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(6) Structural Considerations. Containment structure(s) shall strictly adhere to previously submitted and accepted structural plan, according to the contract;

(7) Protection of the Environment. The Contractor shall follow all applicable provisions of the current version of Title 40 of the CFR (ie: for protection of air and water quality); The Contractor shall contain airborne particles created by the removal operation. No lead containing particles, materials, etc. shall be allowed into the streams or on the ground surface below;

(8) Protection of Existing Work to Remain. The Contractor shall do paint removal work without damage or contamination of adjacent areas. The Contractor shall restore work to its original condition, or better, where existing work is damaged or contaminated;

(9) Personnel Protection.

(a) Personnel shall use and wear protective clothing and equipment as specified herein;

(b) The Engineer will not permit eating, smoking or drinking in the lead control area;

(c) The Contractor shall not permit workers or others in the lead control area unless they have been given appropriate training and protective equipment;

(d) The Contractor shall provide clean change rooms and shower facilities within the physical boundary around the designated lead control area;

(e) Whenever personnel exit the lead control area, they shall not leave the area wearing clothing or equipment worn during the work day, and shall perform the following procedures:

1. Vacuum themselves off;
2. Remove protective clothing in the decontamination room, and place in an approved impermeable disposal bag;
3. Shower;

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4. Change to clean clothes before leaving the physical boundary set around the lead-contaminated job site.

(f) If air monitoring results of a negative exposure assessment (NEA) covering a period of at least 2 days of representative work, show the lead dust concentrations are below the action level of 30 micrograms per cubic meter of air, the requirements for respirators, protective clothing and equipment, and containment may be revised based on approval of the Lead Certified Supervisor or Project Designer and Engineer. During this exposure assessment period, workers will be required to wear respirators and skin protection specified in HIOSH and OSHA regulations for the tasks performed. Contractor certification that controls, methods and operations that resulted in concentrations below 30 micrograms will be in effect without change for the duration of the contract. If lead dust concentrations are at 30 to 49 micrograms per cubic meter of air, personnel protection requirements will remain in effect. If exposure to lead is at or in excess of the PEL of 50 micrograms per cubic meter of air, notify the Engineer immediately and stop all work in the lead control area.

(10) **Monitoring.** Monitoring of airborne concentrations of lead shall be according to HIOSH standards and as specified herein. Air monitoring, testing, and reporting shall be by the Lead Certified Supervisor or Project Designer or the IHT under the direction of the Lead Certified Supervisor or Project Designer.

The Lead Certified Supervisor or Project Designer or the IHT shall be on the jobsite directing the monitoring and inspecting the lead-based paint removal work.

(a) Employees, who are anticipated to have the greatest risk of exposure, as determined by the Lead Certified Supervisor or Project Designer, shall take personal air monitoring samples. In addition, the Lead Certified Supervisor or Project Designer shall take air monitoring samples on at least twenty-five (25) percent of the work crew or a minimum of two employees, whichever is greater, during each work shift.

(b) The Contractor shall submit a report with the results of air monitoring samples, signed by the Lead Certified Supervisor or Project Designer, within forty eight (48) hours

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after the air samples are taken. The Contractor shall notify the Engineer immediately of exposure to lead at or over the action level of thirty (30) micrograms per cubic meter of air outside the lead control area.

(c) The Contractor shall conduct personal and area monitoring during the lead removal operations. The Contractor shall control the lead level outside the work boundary to less than thirty (30) micrograms per cubic meter of air at all times. When the outside boundary lead levels are at or exceed thirty (30) micrograms per cubic meter of air, the Lead Certified Supervisor or Project Designer shall immediately correct the condition(s) causing the increased levels and immediately inform the Engineer. The Lead Certified Supervisor or Project Designer shall review the sampling data collected on that day to determine if further changes in work methods are required. Removal work shall resume only when acceptance is given by the Lead Certified Supervisor or Project Designer. If adjacent areas are contaminated, the Contractor shall clean and visually inspect contaminated area. The Lead Certified Supervisor or Project Designer shall certify that the Contractor cleaned the area of lead contamination.

(11) Mechanical Ventilation System. The Contractor shall use ventilation to control personal exposure to lead according to HIOSH standards (as needed). The Contractor shall use fixed local exhaust ventilation connected to HEPA filters or other collection systems, accepted by the Lead Certified Supervisor or Project Designer where feasible. The Contractor shall design, construct, install and maintain local exhaust ventilation systems according to ANSI Z9.2.

(12) Warning Signs. The Contractor shall provide warning signs at approaches to lead control areas. The Contractor shall install signs at such a distance that personnel may read the sign and take the necessary precautions before entering the area. Signs shall follow the requirements of applicable HIOSH standards.

(13) Lead-Based Paint Removal. Prior to the removal of LBP, plastic sheeting drop cloths shall be placed below and at the surrounding areas to prevent LBP chips from exiting the work area. Drop cloths shall be secured to prevent from blowing. It may become necessary to construct containments in the event that wind causes LBP chips or lead dust to fall outside of the plastic sheeting below or surrounding the work area. It is the Contractor's responsibility to prevent LBP chips and dust from becoming

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airborne. LBP shall be removed in small sections using hand tools and/or equipment equipped with a HEPA filtration system. LBP shall be removed by methods that do not create dusts. The area below and surrounding LBP removal/remediation activities shall be cleaned repeatedly throughout the work day. The Contractor shall describe in detail the LBP removal process in the Lead Removal Plan.

(14) Lead-In Soil Remediation. Lead-impacted soil will not be impacted by work for this project.

(15) Cleanup and Disposal.

(a) Cleanup. The Contractor shall keep the surfaces of the lead control area free of accumulation of paint chips and dust. The Contractor shall restrict the spread of dust and debris, and keep waste from being distributed over the work area. Do not dry sweep or use compressed air to clean the area. At the end of each shift and when the Contractor completes the paint removal operation, the Contractor shall clean the area of visible lead paint contamination by vacuuming with a HEPA filtered vacuum cleaner.

(b) Certification. The Lead Certified Supervisor or Project Designer shall certify in writing that the inside and outside lead control area air monitoring samples are less than thirty (30) micrograms per cubic meter of air, the respiratory protection for the employees was adequate, the work procedures were performed according to applicable HIOSH standards, and there were no visible accumulations of lead-contaminated paint and dust in the worksite. Do not remove the lead control area or roped off boundary and warning signs before the Engineer's receipt of the Lead Certified Supervisor or Project Designer's certification. The Contractor shall re-clean areas showing dust or residual paint chips.

(c) Disposal. Lead-contaminated waste, scrap, debris, bags, containers, equipment, and lead-contaminated clothing, which may produce air borne concentrations of lead particles, shall be collected by the Contractor. The Contractor shall make provisions for the disposal of lead-contaminated waste material at an EPA approved hazardous waste treatment, storage, or disposal facility.

The Contractor shall store waste materials in U.S.

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Department of Transportation (49 CFR 178) approved 55 gallon drums. The Contractor shall label each drum to identify the type of waste (49 CFR 172), and the date lead-contaminated wastes were first put in the drum. The Engineer will assign an area for interim storage of waste containing drums.

The Engineer will not permit storage of hazardous waste drums in interim storage longer than ninety (90) calendar days from the date on which the hazardous waste was initially placed in the each drum.

The Contractor shall handle, store, transport, and dispose of lead or lead-contaminated waste according, but not limited to: 40 CFR 260, 40 CFR 261, 40 CFR 262, 40 CFR 263, 40 CFR 264, and 40 CFR 265.

(d) Disposal Documentation. The Contractor shall submit written evidence that the hazardous waste treatment, storage, or disposal (TSD) facility is approved for lead disposal by the EPA and state, or local regulatory agencies. The Contractor shall submit to the Engineer one (1) copy of the completed manifest, signed and dated by the initial transporter according to 40 CFR 262.

695.04 Method of Measurement. The Engineer will measure for Lead Certified Supervisor or Project Designer and Industrial Hygienist Technician on a force account basis according to Subsection 109.04 – Full Compensation; Changes.

The Engineer will measure for removal and disposal of lead-based paint on a force account basis according to Subsection 109.04 – Full Compensation; Changes.

695.05 Basis of Payment. The Engineer will pay for the Lead Certified Supervisor or Project Designer and IHT on a force account basis according to Subsection 109.04 – Full Compensation; Changes. The amount may be more or less than the estimated amount shown in the proposal.

This force account work shall include all costs for labor, materials, equipment, and incidentals, required for the Lead Certified Supervisor or Project Designer and IHT to perform all work required of them including the following: quality assurance and control of work; worker health requirements; project planning and review; submittal of plans for boundary controls, containment system, monitoring and testing and other requirements for lead removal; training; hazard communication program preparation and compliance; hazardous

730 waste management plan submittal and quality assurance; baseline and other
731 testing and monitoring, including all costs to have samples taken, analyzed
732 and reports made; submittal of all required catalog data, statements &
733 certifications, testing and monitoring reports and results, and certificates of
734 compliance; and planning, monitoring and quality control for all work
735 procedures and clean up/disposal procedures.

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737 The force account work pertaining to the removal and disposal of LBP shall
738 include labor, materials, equipment and incidentals for actual removal and
739 disposal of LBP and for labor, materials, equipment and incidentals required
740 to set up boundary controls, containment systems and/or other physical
741 requirements of the programs and plans laid out by the Lead Certified
742 Supervisor or Project Designer and IHT.

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

746	Pay Item	Pay Unit
747		
748		
749	Removal and Disposal of Lead-Based Paint	Force Account
750		
751	Lead Certified Supervisor or Project Designer	Force Account
752		
753	Industrial Hygienist Technician	Force Account"
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756 **END OF SECTION 695**

General Decision Number: HI140001 11/21/2014 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
10	09/05/2014
11	09/12/2014
12	10/31/2014
13	11/07/2014
14	11/14/2014
15	11/21/2014

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 09/01/2014

	Rates	Fringes
Carpenters:		
Carpenters; Hardwood Floor Layers; Patent Scaffold Erectors (14 ft. and over); Piledrivers; Pneumatic Nailers; Wood Shinglers and Transit and/or Layout Man.....	\$ 42.25	20.71
Millwrights and Machine Erectors.....	\$ 42.50	20.71
Power Saw Operators (2 h.p. and over).....	\$ 42.40	20.71

CARP0745-002 09/01/2014

	Rates	Fringes
Drywall and Acoustical Workers and Lathers.....	\$ 42.50	20.71

ELEC1186-001 08/24/2014

	Rates	Fringes
Electricians:		
Cable Splicers.....	\$ 46.53	27.74
Electricians.....	\$ 42.30	26.45
Telecommunication worker....	\$ 23.20	17%+6.35

ELEC1186-002 08/24/2014

	Rates	Fringes
Line Construction:		
Cable Splicers.....	\$ 46.53	27.74
Groundmen/Truck Drivers.....	\$ 31.73	23.21
Heavy Equipment Operators...	\$ 38.07	25.15
Linemen.....	\$ 42.30	26.45
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 5 years service as vacation pay credit.
- b. PAID HOLIDAYS: New Year's Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, the Friday after Thanksgiving Day and Christmas Day.

ENGI0003-002 09/01/2014

	Rates	Fringes
Diver (Aqua Lung) (Scuba))		
Diver (Aqua Lung) (Scuba) (over a depth of 30 feet)...	\$ 61.50	27.06
Diver (Aqua Lung) (Scuba) (up to a depth of 30 feet)..	\$ 52.13	27.06
Stand-by Diver (Aqua Lung) (Scuba).....	\$ 42.75	27.06
Diver (Other than Aqua Lung)		
Diver (Other than Aqua Lung).....	\$ 61.50	27.06
Diver Tender (Other than Aqua Lung).....	\$ 39.72	27.06
Stand-by Diver (Other than Aqua Lung).....	\$ 42.75	27.06
Helicopter Work		
Airborne Hoist Operator for Helicopter.....	\$ 41.30	27.06
Co-Pilot of Helicopter.....	\$ 41.44	27.06

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

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

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

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

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

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

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

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

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

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

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

GROUP 9: Combination Mixer and Compressor (gunite); Do-Mor 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 09/01/2014

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

CLAMSHELL OR DIPPER DREDGING CLASSIFICATIONS

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

HYDRAULIC SUCTION DREDGING CLASSIFICATIONS

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

DERRICK CLASSIFICATIONS

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

ENGI0003-044 09/02/2013

	Rates	Fringes
Power Equipment Operators (PAVING)		
(10) Cold Planer.....	\$ 38.25	26.98
(10) Loader (2 1/2 cu. yds. and under).....	\$ 37.42	26.98
(10) Soil Stabilizer.....	\$ 38.25	26.98
(11) Loader (over 2 1/2 cu. yds. to and including 5 cu. yds.).....	\$ 37.74	26.98
(3) Roller Operator (five		

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

IRON0625-001 09/01/2013

	Rates	Fringes
Ironworkers:.....	\$ 34.75	28.41
a. Employees will be paid \$.50 per hour more while working in tunnels and coffer dams; \$1.00 per hour more when required to work under or are covered with water (submerged) and when they are required to work on the summit of Mauna Kea, Mauna Loa or Haleakala.		

* LAB00368-001 09/01/2014

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

LABORERS CLASSIFICATIONS

Laborer I: Air Blasting run by electric or pneumatic compressor; Asphalt Laborer, Ironer, Raker, Luteman, and Handroller, and all types of Asphalt Spreader Boxes; Asphalt Shoveler; Assembly and Installation of Multiplates, Limer Plates, Rings, Mesh, Mats; Batching Plant (portable and temporary); Boring Machine Operator (under streets and sidewalks); Buggymobile; Burning and Welding; Chainsaw, Faller, Logloader, and Bucker; Compactors (Jackson Jumping Jack and similar); Concrete Bucket Dumpman; Concrete Chipping; Concrete Chuteman/Hoseman (pouring concrete) (the handling of the chute from ready-mix trucks for such jobs as walls, slabs, decks, floors, foundations, footings, curbs, gutters, and sidewalks); Concrete Core Cutter (Walls, Floors, and Ceiling); Concrete Grinding or Sanding; Concrete: Hooking on, signaling, dumping of concrete for treme work over water on caissons, pilings, abutments, etc.; Concrete: Mixing, handling, conveying, pouring, vibrating, otherwise placing of concrete or aggregates or by any other process; Concrete: Operation of motorized wheelbarrows or buggies or machines of similar character, whether run by gas, diesel, or electric power; Concrete Placement Machine Operator: operation of Somero Hammerhead, Copperheads, or similar machines; Concrete Pump Machine (laying, coupling, uncoupling of all connections and cleaning of equipment); Concrete and/or Asphalt Saw (Walking or Handtype) (cutting walls or flatwork) (scoring old or new concrete and/or asphalt) (cutting for expansion joints) (streets and ways for laying of pipe, cable or conduit for all purposes); Concrete Shovelers/Laborers (Wet or Dry); Concrete Screeding for Rough Strike-Off: Rodding or striking-off, by hand or mechanical means prior to

finishing; Concrete Vibrator Operator; Coring Holes: Walls, footings, piers or other obstructions for passage of pipes or conduits for any purpose and the pouring of concrete to secure the hole; Cribbers, Shorer, Lagging, Sheeting, and Trench Jacking and Bracing, Hand-Guided Lagging Hammer Whaling Bracing; Curbing (Concrete and Asphalt); Curing of Concrete (impervious membrane and form oiler) mortar and other materials by any mode or method; Cut Granite Curb Setter (setting, leveling and grouting of all precast concrete or stone curbs); Cutting and Burning Torch (demolition); Dri Pak-It Machine; Environmental Abatement: removal of asbestos, lead, and bio hazardous materials (EPA and/or OSHA certified); Falling, bucking, yarding, loading or burning of all trees or timber on construction site; Forklift (9 ft. and under); Gas, Pneumatic, and Electric tools; Grating and Grill work for drains or other purposes; Green Cutter of concrete or aggregate in any form, by hand, mechanical means, grindstone or air and/or water; Grout: Spreading for any purpose; Guinea Chaser (Grade Checker) for general utility trenches, sitework, and excavation; Headerboard Man (Asphalt or Concrete); Heat Welder of Plastic (Laborers' AGC certified workers) (when work involves waterproofing for waterponds, artificial lakes and reservoir) heat welding for sewer pipes and fusion of HDPE pipes; Heavy Highway Laborer (Rigging, signaling, handling, and installation of pre-cast catch basins, manholes, curbs and gutters); High Pressure Nozzleman - Hydraulic Monitor (over 100# pressure); Jackhammer Operator; Jacking of slip forms: All semi and unskilled work connected therewith; Laying of all multi-cell conduit or multi-purpose pipe; Magnesite and Mastic Workers (Wet or Dry) (including mixer operator); Mortar Man; Mortar Mixer (Block, Brick, Masonry, and Plastering); Nozzleman (Sandblasting and/or Water Blasting): handling, placing and operation of nozzle; Operation, Manual or Hydraulic jacking of shields and the use of such other mechanical equipment as may be necessary; Pavement Breakers; Paving, curbing and surfacing of streets, ways, courts, under and overpasses, bridges, approaches, slope walls, and all other labor connected therewith; Pilecutters; Pipe Accessment in place, bolting and lining up of sectional metal or other pipe including corrugated pipe; Pipelayer performing all services in the laying and installation of pipe from the point of receiving pipe in the ditch until completion of operation, including any and all forms of tubular material, whether pipe, HDPE, metallic or non-metallic, conduit, and any other stationary-type of tubular device used for conveying of any substance or element, whether water, sewage, solid, gas, air, or other product whatsoever and without regard to the nature of material from which tubular material is fabricated; No-joint pipe and stripping of same, Pipewrapper, Caulker, Bander, Kettleman, and men applying asphalt, Laykold, treating Creosote and similar-type materials (6-inch) pipe and over); Piping: resurfacing and paving of all ditches in preparation for laying of all pipes; Pipe laying of lateral sewer pipe from main or side sewer to buildings or structure (except Contactor may direct work be done under proper supervision); Pipe laying, leveling and marking of the joint used for main or side sewers and storm sewers; Laying of all clay, terra cotta, ironstone, vitrified concrete, HDPE or other pipe for drainage; Placing and setting of water mains, gas mains and all pipe including removal of skids; Plaster Mortar Mixer/Pump; Pneumatic Impact Wrench; Portable Sawmill Operation: Choker setters, off bearers, and lumber handlers connected with clearing; Posthole Digger (Hand Held, Gas, Air and Electric); Powderman's Tender; Power Broom Sweepers (Small); Preparation and Compaction of roadbeds for railroad track laying, highway construction, and the preparation of trenches, footings, etc., for cross-country transmission by pipelines, electrical transmission or underground lines or cables (by mechanical means); Raising of structure by manual or hydraulic jacks or other methods and resetting of structure in new locations, including all concrete work; Ramming or compaction; Rigging in connection with Laborers' work (except demolition), Signaling (including the use of walkie talkie) Choke Setting, tag line usage; Tagging and Signaling of building materials into high rise units; Riprap, Stonepaver, and Rock Slinger (includes placement of stacked concrete, wet or dry and loading, unloading, signaling, slinging and setting of

other similar materials); Rotary Scarifier (including multiple head concrete chipping Scarifier); Salamander Heater, Drying of plaster, concrete mortar or other aggregate; Scaffold Erector Leadman; Scaffolds: (Swing and hanging) including maintenance thereof; Scaler; Septic Tank/Cesspool and Drain Fields Digger and Installer; Shredder/Chipper (tree branches, brush, etc.); Stripping and Setting Forms; Stripping of Forms: Other than panel forms which are to be re-used in their original form, and stripping of forms on all flat arch work; Tampers (Barko, Wacker, and similar type); Tank Scaler and Cleaners; Tarman; Tree Climbers and Trimmers; Trencher (includes hand-held, Davis T-66 and similar type); Trucks (flatbed up to and including 2 1/2 tons when used in connection with on-site Laborers' work; Trucks (Refuse and Garbage Disposal) (from job site to dump); Vibra-Screed (Bull Float in connection with Laborers' work); Well Points, Installation of or any other dewatering system.

Laborer II: Asphalt Plant Laborer; Backfilling, Grading and all other labor connected therewith; Boring Machine Tender; Bridge Laborer; Burning of all debris (crates, boxes, packaging waste materials); Chainman, Rodmen, and Grade Markers; Cleaning, clearing, grading and/or removal for streets, highways, roadways, aprons, runways, sidewalks, parking areas, airports, approaches, and other similar installations; Cleaning or reconditioning of streets, ways, sewers and waterlines, all maintenance work and work of an unskilled and semi-skilled nature; Concrete Bucket Tender (Groundman) hooking and unhooking of bucket; Concrete Forms; moving, cleaning, oiling and carrying to the next point of erection of all forms; Concrete Products Plant Laborers; Conveyor Tender (conveying of building materials); Crushed Stone Yards and Gravel and Sand Pit Laborers and all other similar plants; Demolition, Wrecking and Salvage Laborers: Wrecking and dismantling of buildings and all structures, with use of cutting or wrecking tools, breaking away, cleaning and removal of all fixtures, All hooking, unhooking, signaling of materials for salvage or scrap removed by crane or derrick; Digging under streets, roadways, aprons or other paved surfaces; Driller's Tender; Chuck Tender, Outside Nipper; Dry-packing of concrete (plugging and filling of she-bolt holes); Fence and/or Guardrail Erector: Dismantling and/or re-installation of all fence; Finegrader; Firewatcher; Flagman (Coning, preparing, stablishing and removing portable roadway barricade devices); Signal Men on all construction work defined herein, including Traffic Control Signal Men at construction site; General Excavation, Backfilling 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. Preparation of street ways and bridges; General Laborer: Cleaning and Clearing of all debris and surplus material. Clean-up of right-of-way. Clearing and slashing of brush or trees by hand or mechanical cutting. General Clean up: sweeping, cleaning, wash-down, wiping of construction facility and equipment (other than "Light Clean up (Janitorial) Laborer. Garbage and Debris Handlers and Cleaners. Scraping of floors. Appliance Handling (job site) (after delivery unloading in storage area); Ground and Soil Treatment Work (Pest Control); Gunite or Shotcrete Operator Tender; Junk Yard Laborers (same as Salvage Yard); Laser Beam "Target Man" in connection with Laborers' work; Layout Person for Plastic (when work involves waterproofing for waterponds, artificial lakes and reservoirs); Limbers, Brush Loaders, and Pilers; Loading, Unloading, carrying, distributing and handling of all rods and material for use in reinforcing concrete construction (except when a derrick or outrigger operated by other than hand power is used); Loading, unloading, sorting, stockpiling, handling and distribution of water mains, gas mains and all pipes; Loading and unloading of all materials, fixtures, furnishings and appliances from point of delivery to stockpile to point of installation; hooking and signaling from truck, conveyance or stockpile; Material Yard Laborers; Pipelayer Tender; Pipewrapper, Caulker, Bander, Kettlemen, and men applying asphalt, Laykold, Creosote, and similar-type materials (pipe under 6 inches); Plasterer

Laborer; Preparation, construction and maintenance of roadbeds and sub-grade for all paving, including excavation, dumping, and spreading of sub-grade material; Prestressed or precast concrete slabs, walls, or sections: all loading, unloading, stockpiling, hooking on of such slabs, walls or sections; Quarry Laborers; Railroad, Streetcar, and Rail Transit Maintenance and Repair; Roustabout; Rubbish Trucks in connection with Building Construction Projects (excluding clearing, grubbing, and excavating); Salvage Yard: All work connected with cutting, cleaning, storing, stockpiling or handling of materials, all cleanup, removal of debris, burning, back-filling and landscaping of the site; Sandblasting Tender (Pot Tender): Hoses and pots or markers; Scaffolds: Erection, planking and removal of all scaffolds used for support for lathers, plasters, brick layers, masons, and other construction trades crafts; Scaffolds: (Specially designed by carpenters) laborers shall tend said carpenter on erection and dismantling thereof, preparation for foundation or mudsills, maintenance; Scraping of floors; Screeds: Handling of all screeds to be reused; handling, dismantling and conveyance of screeds; Setting, leveling and securing or bracing of metal or other road forms and expansion joints; Sheeting Piling/trench shoring (handling and placing of skip sheet or wood plank trench shoring); Ship Scalers; Shipwright Tender; Sign Erector (subdivision traffic, regulatory, and street-name signs); Sloper; Slurry Seal Crews (Mixer Operator, Applicator, Squeegee Man, Shuttle Man, Top Man); Snapping of wall ties and removal of tie rods; Soil Test operations of semi and unskilled labor such as filling sand bags; Stripper (Asphalt, Concrete or other Paved Surfaces); Tool Room Attendant (Job Site); Traffic Delineating Device Applicator; Underpinning, lagging, bracing, propping and shoring, loading, signaling, right-of-way clearance along the route of movement, The clearance of new site, excavation of foundation when moving a house or structure from old site to new site; Utilities employees; Water Man; Waterscape/Hardscape Laborers; Wire Mesh Pulling (all concrete pouring operations); Wrecking, stripping, dismantling and handling concrete forms an false work.

 LABO0368-002 09/01/2014

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

LABORERS CLASSIFICATIONS

GROUP 1: Installation of non-potable permanent or temporary irrigation water systems performed for the purposes of Landscaping and Irrigation architectural horticultural work; the installation of drinking fountains and permanent or temporary irrigation systems using potable water for Landscaping and Irrigation architectural horticultural purposes only. This work includes (a) the installation of all heads, risers, valves, valve boxes, vacuum breakers (pressure and non-pressure), low voltage electrical lines and, provided such work involves electrical wiring that will carry 24 volts or less, the installation of sensors, master control panels, display boards, junction boxes, conductors, including all other components for controllers, (b) and metallic (copper, brass, galvanized, or similar) pipe, as well as PVC or other plastic pipe including all work incidental thereto, i.e., unloading, handling and distribution of all pipes fittings, tools, materials and equipment, (c) all soldering work in connection with the above whether done by torch, soldering iron, or other means; (d) tie-in to main lines, thrust blocks (both precast and poured in place), pipe hangers and supports incidental to installation of the entire irrigation system, (e) making of pressure tests, start-up testing, flushing, purging, water balancing, placing into operation all irrigation equipment, fixtures and appurtenances installed under this agreement, and (f) the fabrication, replacement,

repair and servicing 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.

 * LAB00368-003 09/01/2014

	Rates	Fringes
Underground Laborer		
GROUP 1.....	\$ 33.90	16.71
GROUP 2.....	\$ 35.40	16.71
GROUP 3.....	\$ 35.90	16.71

GROUP 4.....	\$ 36.90	16.71
GROUP 5.....	\$ 37.25	16.71
GROUP 6.....	\$ 37.50	16.71
GROUP 7.....	\$ 37.95	16.71

GROUP 1: Watchmen; Change House Attendant.

GROUP 2: Swamper; Brakeman; Bull Gang-Muckers, Trackmen; Dumpmen (any method); Concrete Crew (includes rodding and spreading); Grout Crew; Reboundmen

GROUP 3: Chucktenders and 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 07/01/2014

	Rates	Fringes
Glaziers.....	\$ 34.10	27.29

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 09/02/2013

	Rates	Fringes
PLASTERER.....	\$ 37.64	23.22

PLAS0630-002 09/02/2013

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

PLUM0675-001 07/06/2014

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

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

 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 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.

END OF GENERAL DECISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**Project: KAMEHAMEHA HIGHWAY
REPAIR AND REPAINT KARSTEN THOT BRIDGE
FEDERAL AID PROJECT NO. BR-080-1(012)**

RFI AND RESPONSES

9. Question: Does the Zinc coating referenced in Subsection 501.03E (11) Bolted Connections (from Addendum No. 2) have to be applied by the coating contractor.

Response: **No.**

10. Question: Subsection 501.03E (11) Bolted Connections (from Addendum No.2) states "New bolt holes and existing bolt or rivet holes that are reused shall be cleaned, surface prepared, primed, and touch-up coated with two coats of zinc coating." What level of cleanliness and what methods are to be used on this steel?

Response: **Refer to 2005 Hawaii Standard Specifications Section 501.03E (11).**

11. Question: Does the Epoxy paint referenced in both sections Subsection 501.03E (11) Bolted Connections and Subsection 501.03 (F) Painting, Paragraph (1) (from Addendum No.2) have to be from the same manufacturer as the moisture-cure polyurethane paint specified in Section 694 Clean and Paint Structural Bridge Steel?

Response: **Yes, see revised Special Provisions Section 501 per Addendum No. 3.**

12. Question: Subsection 695.05 Basis of Payment, Paragraph (4). Lines 737-742 (on page 695-17a) states "The force account work pertaining to the removal of LBP shall include labor, materials, equipment and incidentals for actual removal and disposal of LBP OR for labor, materials, equipment and incidentals required to set up boundary controls, containment systems and/or other physical requirements of the programs and plans laid out by the Lead Certified Supervisor or Project designer and IHT." Is the OR underlined supposed to be an and?

Response: **Yes, it should be an "and." See revised Special Provisions Section 695 Lead In Construction per Addendum No. 3.**

For RFI No. 13 Response, see next page.

13. Question: Subsection 501.03E (11) Bolted Connections (from Addendum No.2) states "New bolt holes and existing bolt or rivet holes that are reused shall be cleaned, surface prepared, primed, and touch-up coated with two coats of zinc coating. Zinc coating shall be cured prior to installing new bolts" Page 33 of the plans in the Installation section note 3 states "No more than one existing rivet shall be removed and replaced with a bolt at a time, unless removal of multiple rivets at a time is approved by the Engineer." Is it the intent that only a rivet gets removed, then the area gets cleaned and coated with zinc, then the zinc has to cure (12 hour cure time), then a second coat of zinc is applied and cured (12 hour cure time), then the new bolt is installed.

Response: See revised Special Provisions Section 501 per Addendum No. 3.

END OF RFI AND RESPONSES