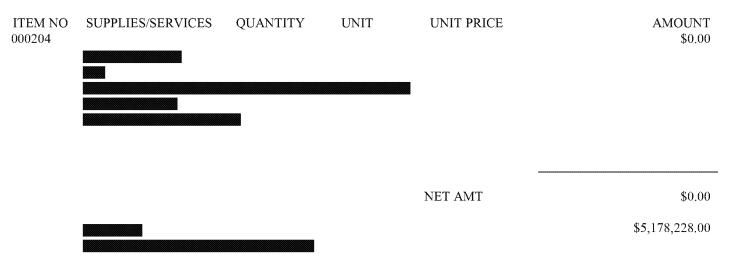
| _ | ORDER FOR S | UPPI | LIES OR SE | RVICE | S | | | PA | GE 1 OF 41 |
|--|---|--|--|--------------------------|---------------------------|---|------------|---------------------------------|---|
| 1 CONTRACT/PURCH ORDER/ AGREEMENT NO N39430-15-D-1632 | 2 DELIVERY ORDER/ CA | LL NO | 3 DATE OF ORDER (YYYYMMMDD) 2016 Aug 31 | 822 | REQ / PU | RCH REQUES | ONI | 5 PRIO | DRITY |
| 6. ISSUED BY NAVFAC EXWC CODE ACQ / NAVAL BASE VE 1100 23RD AVE BLDG 1100 PORT HUENEME CA 93043-430 | | NAVE 400 N | OMINISTERED B FAC HAWAII MARSHALL RD RL HARBOR HI 968 | | than 6) | CODE | N62478 | × | LIVERY FOB DESTINATION OTHER Schedule if other |
| 9. CONTRACTOR CB&I FEDERAL SER NAME JUSTIN MYERS AND 1725 DUKE ST, STE ADDRESS ALEXANDRIA VA 223 | 400 | | FACILITY | | SEE S | LIVER TO FOB: YYMMMDD) CHEDULE COUNT TERMS | POINTBY (I | Date) 11.MA | ARK IF BUSINESS IS SMALL SMALL DISADVANTAGE WOMEN-OWNED |
| | | | | | 13. MA | AIL INVOICE em 7 | S TO THE | E ADDRESS I | N BLOCK |
| 14. SHIP TO NAVFAC HAWAII ORLINO PERALTA 400 MARSHALL RD BLDG C27 JBPHH HI 96860-3139 | CODE N62478 | DFAS CLEV PO B | AYMENT WILL CLEVELAND ELAND NORFOLK OX 998022 ELAND OH 44199-8 | ACCOUNT | Section 1 | CODE N6873 | 2 | PAC PA IDE N | MARK ALL CKAGES AND PERS WITH NITIFICATION UMBERS IN CKS 1 AND 2. |
| 16. DELIVERY/ X TYPE CALL | his delivery order/call is issued on anot | her Gove | rnment agency or in a | ccordance wi | th and sub | oject to terms and | conditions | ofabove number | ed contract |
| OF PURCHASE | Reference your quote dated Furnish the following on terms specified | herein F | REF: | | | | | | |
| NAME OF CONTRACT | ACCEPT ANCE. THE CONTRAC ORDER AS IT MAY PREVIOUS AND CONDITIONS SET FORTH OR SIC Ophier must sign Acceptance and re PROPRIATION DATA/ LOCAL | LY HAV I, AND ENATU | VE BEEN OR IS N AGREES TO PER RE | OW MOD FORM TH | IFIED, S IE SAMI TY | SUBJECT TO | ALL OF T | THE TERMS | DATE SIGNED (YYYYMMMDD) |
| 18. ITEM NO. | 19. SCHEDULE OF SUPPLIES | / SERVI | CES | 20. QUAN ORDE ACCE | | 21. UNIT | 22. UNIT | PRICE | 23. AMOUNT |
| 5 P | SEE SCHEDUL | | | | | | | | |
| * If quantity accepted by the Govern quantity ordered, indicate by X. If a quantity accepted below quantity or 27a. QUANTITY IN COLUM. | lifferent, enter actual dered and encircle. | | AMERICA | CONTRAC | TING / C | RDERING OFFI | | 25. TOTAL 26. DIFFERENCES | \$14,718, <mark>3</mark> 98.00 |
| INSPECTED RECE | IVED ACCEPTED, AND C CONTRACT EXCEP | | | | | | | | |
| b. SIGNATURE OF AUTHOR | RIZED GOVERNMENT REPRES | ENTAT | | DATE (YYYYMMM | | PRINTED : GOVERNMEN | | | AUTHORIZED |
| e. MAILING ADDRESS OF A | UTHORIZED GOVERNMENT I | REPRES | SENTATIVE 28 | SHIP NO |). 2 | 9. DO VOUC | | 30. INITIALS | |
| f. TELEPHONE NUMBER | g E-MAIL ADDRESS | | | PART FINAL | LAL | 2. PAID BY | | 33. AMOUNT CORRECT FO | |
| | correct and proper for pays E AND TITLE OF CERTIFYING | Maria de la Colonia de la Colo | | COMP PART | LETE | | | 34. CHECK N | |
| | RECEIVED BY 39.1 | DATE | RECEIVED 40 | FINAL | | 1. S/R ACCO | | 35. BILL OF 42. S/R VOU | CHER NO. |
| DD Form 1155, DEC 2001 | | YYYYMA | (MDD) PREVIOUS EI | CONT AL | | ETE. | | | |

Section 00010 - Solicitation Contract Form

| ITEM NO 0002 EXERCISED OPTION | SUPPLIES/SERVICES 1ST OPTION YEAR FOR FFP IGF::OT::IGF X032 NEX REPAIRS TO MINED-IN TANKS (RED HILL TAN HARBOR-HICKAM FOB: Destination PURCHASE REQUEST N | WC CI11 CLEAN -PLACE MILITA IKS 4 AND 13) LO | , INSPECT, RI RY PETROLE | UM STORAGE | AMOUNT \$14,718,398.00 |
|--|---|--|-----------------------------|------------|---------------------------|
| | | | | NET AMT | \$14,718,398.00 |
| ITEM NO 000201 | SUPPLIES/SERVICES | QUANTITY | UNIT | UNIT PRICE | AMOUNT \$0.00 |
| | | | | NET AMT | \$0.00 \$2,201,683.00 |

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| AMOUNT \$0.00 | UNIT PRICE | UNIT | QUANTITY | SUPPLIES/SERVICES | ITEM NO 000202 |
|--------------------------|------------|------|----------|-------------------|-------------------|
| \$0.00 \$5,170,778.00 | NET AMT | | | | |
| AMOUNT \$0.00 | UNIT PRICE | UNIT | QUANTITY | SUPPLIES/SERVICES | ITEM NO 000203 |
| \$0.00 \$2,167,709.00 | NET AMT | | | | |



INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

| CLIN | INSPECT AT | INSPECT BY | ACCEPT AT | ACCEPT BY |
|--------|-------------|------------|-------------|------------|
| 0002 | Destination | Government | Destination | Government |
| 000201 | N/A | N/A | N/A | Government |
| 000202 | N/A | N/A | N/A | Government |
| 000203 | N/A | N/A | N/A | Government |
| 000204 | N/A | N/A | N/A | Government |

DELIVERY INFORMATION

| CLIN | DELIVERY DATE | QUANTITY | SHIP TO ADDRESS | UIC |
|--------|---------------|----------|--|--------|
| 0002 | 10-AUG-2018 | 1 | NAVFAC HAWAII 400 MARSHALL RD BLDG C27 JBPHH HI 96860-3139 808-474-3220 X267 FOB: Destination | N62478 |
| 000201 | N/A | N/A | N/A | N/A |

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| 000202 N/A | N/A | N/A | N/A |
|------------|-----|-----|-----|
| 000203 N/A | N/A | N/A | N/A |
| 000204 N/A | N/A | N/A | N/A |

Section 00700 - Contract Clauses

CLAUSES INCORPORATED BY REFERENCE

52.222-50 Combating Trafficking in Persons MAR 2015 252.204-0002 Line Item Specific: Sequential ACRN Order SEP 2009

CLAUSES INCORPORATED BY FULL TEXT

52.211-10 COMMENCEMENT, PROSECUTION, AND COMPLETION OF WORK (APR 1984)

The Contractor shall be required to (a) commence work under this contract within 15 calendar days after the date the Contractor receives the notice to proceed, (b) prosecute the work diligently, and (c) complete the entire work ready for use not later than 710 days after award. The time stated for completion shall include final cleanup of the premises.

(End of clause)

52.211-12 LIQUIDATED DAMAGES--CONSTRUCTION (SEP 2000)

- (a) If the Contractor fails to complete the work within the time specified in the contract, the Contractor shall pay liquidated damages to the Government in the amount of Tank 4 \$3,100.00; Tank 13 \$3,100.00; for each calendar day of delay until the work is completed or accepted.
- (b) If the Government terminates the Contractor's right to proceed, liquidated damages will continue to accrue until the work is completed. These liquidated damages are in addition to excess costs of repurchase under the Termination clause.

(End of clause)

52.222-23 NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY FOR CONSTRUCTION (FEB 1999)

- (a) The offeror's attention is called to the Equal Opportunity clause and the Affirmative Action Compliance Requirements for Construction clause of this solicitation.
- (b) The goals for minority and female participation, expressed in percentage terms for the Contractor's aggregate workforce in each trade on all construction work in the covered area, are as follows:

| Goals for minority participation for each trade | Goals for female participation for each trade |
|---|---|
| 69.1% | 6.9% |

These goals are applicable to all the Contractor's construction work performed in the covered area. If the Contractor performs construction work in a geographical area located outside of the covered area, the Contractor shall apply the

goals established for the geographical area where the work is actually performed. Goals are published periodically in the Federal Register in notice form, and these notices may be obtained from any Office of Federal Contract Compliance Programs office.

- (c) The Contractor's compliance with Executive Order 11246, as amended, and the regulations in 41 CFR 60-4 shall be based on (1) its implementation of the Equal Opportunity clause, (2) specific affirmative action obligations required by the clause entitled "Affirmative Action Compliance Requirements for Construction," and (3) its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade. The Contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor, or from project to project, for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, Executive Order 11246, as amended, and the regulations in 41 CFR 60-4. Compliance with the goals will be measured against the total work hours performed.
- (d) The Contractor shall provide written notification to the Deputy Assistant Secretary for Federal Contract Compliance, U.S. Department of Labor, within 10 working days following award of any construction subcontract in excess of \$10,000 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the --
- (1) Name, address, and telephone number of the subcontractor;
- (2) Employer's identification number of the subcontractor;
- (3) Estimated dollar amount of the subcontract;
- (4) Estimated starting and completion dates of the subcontract; and
- (5) Geographical area in which the subcontract is to be performed.
- (e) As used in this Notice, and in any contract resulting from this solicitation, the "covered area" is Honolulu, HI.

(End of provision)

252.232-7006 WIDE AREA WORKFLOW PAYMENT INSTRUCTIONS (MAY 2013)

(a) Definitions. As used in this clause--

Department of Defense Activity Address Code (DoDAAC) is a six position code that uniquely identifies a unit, activity, or organization.

Document type means the type of payment request or receiving report available for creation in Wide Area WorkFlow (WAWF).

Local processing office (LPO) is the office responsible for payment certification when payment certification is done external to the entitlement system.

- (b) Electronic invoicing. The WAWF system is the method to electronically process vendor payment requests and receiving reports, as authorized by DFARS 252.232-7003, Electronic Submission of Payment Requests and Receiving Reports.
- (c) WAWF access. To access WAWF, the Contractor shall--

7

- (1) Have a designated electronic business point of contact in the System for Award Management at https://www.acquisition.gov; and
- (2) Be registered to use WAWF at https://wawf.eb mil/ following the step-by-step procedures for self-registration available at this Web site.
- (d) WAWF training. The Contractor should follow the training instructions of the WAWF Web-Based Training Course and use the Practice Training Site before submitting payment requests through WAWF. Both can be accessed by selecting the "Web Based Training" link on the WAWF home page at https://wawf.eb.mil/.
- (e) WAWF methods of document submission. Document submissions may be via Web entry, Electronic Data Interchange, or File Transfer Protocol.
- (f) WAWF payment instructions. The Contractor must use the following information when submitting payment requests and receiving reports in WAWF for this contract/order:
- (1) Document type. The Contractor shall use the following document type(s).

Navy Construction/Facilities Management Invoice (NAVCON)

(2) Inspection/acceptance location. The Contractor shall select the following inspection/acceptance location(s) in WAWF, as specified by the contracting officer.

N/A

(3) Document routing. The Contractor shall use the information in the Routing Data Table below only to fill in applicable fields in WAWF when creating payment requests and receiving reports in the system.

Routing Data Table*

| Field Name in WAWF | Data to be entered in WAWF |
|---------------------------|----------------------------|
| Pay Official DoDAAC | N68732 |
| Issue By DoDAAC | N39430 |
| Admin DoDAAC | N62478 |
| Inspect By DoDAAC | N62478 |
| Ship To Code | N62478 |
| Ship From Code | N/A |
| Mark For Code | N/A |
| Service Approver (DoDAAC) | N/A |
| Service Acceptor (DoDAAC) | N62478 |
| Accept at Other DoDAAC | N/A |
| LPO DoDAAC | N62478 |
| DCAA Auditor DoDAAC | N/A |
| Other DoDAAC(s) | N62478 |

(4) Payment request and supporting documentation. The Contractor shall ensure a payment request includes appropriate contract line item and subline item descriptions of the work performed or supplies delivered, unit price/cost per unit, fee (if applicable), and all relevant back-up documentation, as defined in DFARS Appendix F, (e.g. timesheets) in support of each payment request.

(5) WAWF email notifications. The Contractor shall enter the email address identified below in the "Send Additional Email Notifications" field of WAWF once a document is submitted in the system.

corinne kurth@navy mil

(g) WAWF point of contact. (1) The Contractor may obtain clarification regarding invoicing in WAWF from the following contracting activity's WAWF point of contact.

corinne kurth@navy.mil

(2) For technical WAWF help, contact the WAWF helpdesk at 866-618-5988.

(End of clause)

5252,228-9305 NOTICE OF BONDING REQUIREMENTS (DEC 2000)

- (a) Within 15 days after receipt of award, the bidder/offeror to whom the award is made shall furnish the following bond(s) each with satisfactory security:
 - _X_ A Performance Bond (Standard Form 25). The performance bond shall be in a penal sum equal to 100% percent of the contract price.
 - __X_ A Payment Bond (Standard Form 25A). The payment bond shall be in a penal sum equal to 100% of the contract price.
- (b) Any surety company holding a certificate of authority from the Secretary of Treasury as an acceptable Surety on Federal bonds will be accepted. Individual sureties will be permitted as prescribed in FAR 28.203 and FAC 5252.228-9300. Alternative types of security in lieu of furnishing sureties on performance and/or payment bonds will be permitted as prescribed in FAR 28.204, and will be held for at least one year after the completion of the contract. Additional bond security may be required as prescribed in FAR 52.228-2. Bonds shall be accompanied by a document authenticating the agent's authority to sign bonds for the surety company.
- (c) The contract time for purposes of fixing the completion date, default, and liquidated damages shall begin to run __15__ days from the date of award, regardless of when performance and payment bonds or deposits in lieu of surety are executed.

(End of clause)

DESIGN-BUILD CONTRACT - INCORPORATION OF DESIGNER OF RECORD FINAL DESIGN (JUL 2008)

Upon Government receipt and acceptance of the Designer of Record signed and stamped final design submission for all work, a no-cost unilateral modification shall be issued to incorporate the final design into the contract.

If the Contractor is authorized to proceed with portions of the work prior to the completion of a final design for all work, a no-cost unilateral modification shall be issued for each Government accepted Designer of Record signed and stamped design submission for each portion of the work in order to incorporate that design submittal into the contract.

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(End of clause)

Section 00800 - Special Contract Requirements

STATEMENT OF WORK

This task order includes the Parts 2, 3, 5 and 6 from the RFTOP, the basic contract, and CB&I's proposal dated 29 July 2016.

The duration of performance is 710 days from award to return to operator.

Pre-Performance Inquiries

| No. | Reference | Question | Answer |
|-----|---------------------------------------|--|--|
| 1 | Section 00210, Factor 2 - Schedule | Since there are two (2) facilities (tanks), is the entire schedule to be limited to 120 activities (2 x 60 activities)? Or, does the limitation of 60 activities per facility only pertain to construction activities and NOT to Milestones, Planning/Pre-Construction, Design, Procurement, Management, and Govt Review activities that are not specific to any one facility? | Submittal of one 11"x17" CPM schedule per tank, limited to 60 activities per tank is acceptable. The 60 activities include those listed in 00210, and as described in 01 32 17.05 20 activity categories (i.e., under design activities, procurement activities, government activities, quality management activities, construction activities, turnover and closeout activities). |
| 2 | Section 00210, Factor 2 - Schedule | Regarding the 60 activity limitation per facility, is 60 activities equivalent to 60 rows? For example, if we use a group header for coating work on Tank XX, does that group row count towards the 60 activity limitation? | A group header or group row will not be counted towards the 60 activity per tank limitation. |
| 3 | General | What is the weight capacity of the Facility freight elevator? | The freight elevator capacity is 10,000 lbs. |
| 4 | General | Will NAVFAC HI Crane Center be providing training and certification for operators of the Adit 3 overhead crane? | Yes. NAVFAC Hawaii conducts a NAVFAC P-307 Category 3 crane safety course 1-2 times per year. Contractor shall coordinate attendance with COR following contract award, for those personnel who will be using the equipment hoist at Adit 3. |
| 5 | General – Site Photographs | Site walk instructions stated photographs were not allowed without a permit. Several contractors collected photographs, presumably under a photo permit. Can the Gov't request that photos collected be shared with all contractors? | No. However, See No. 6 & 7 below. |
| 6 | General – Site Photographs | Will the Gov't take pictures of the entrance to each of the Adits (i.e. Adit 3, 4, 5, and 6)? | Due to the large file memory size, the Government will provide files via ARMRDEC SAFE (U. S. Army Aviation and Missile Research Development and Engineering Center Safe Access File Exchange). |
| 7 | General – Site Photographs | Will the Gov't collect pictures of the piping/valves/conduit at each tank for contractors to develop an approach for removal/install? | Due to the large file memory size, the Government will provide files via ARMRDEC SAFE (U. S. Army Aviation and Missile Research Development and Engineering Center Safe Access File Exchange). |

| 8 | General – Existing Equipment | For bidding purposes and to minimize TIA submittals, how many days a week should contractors assume | One set of Government-owned booms is stored on the deck in Adit 4. The condition and serviceability of this equipment is unknown. It might be available for use where-is and as-is upon approval of a request by the Contracting Officer. Also stowed at Adit 4 are the Government-owned dome truss equipment, and monorail scaffolding. The condition and serviceability of this equipment is unknown. It might be available for use where-is and as-is upon approval of a request by the Contracting Officer. Government takes no responsibility for condition of any of this equipment. If Contractor requests permission to utilize this equipment, Contractor assumes all liability for design adequacy, condition, refurbishment, inspection, certification, and conformance with current safety codes and regulations. As stated in RFP Contractor is responsible to design the means and methods for personnel to safely access all of the interior surfaces in the tank for cleaning, inspection, and repairs. Government is not directing Contractor to utilize GFE or to purchase equipment. The following files are provided as reference information and no representation is made to the accuracy, adequacy, or completeness of the information: RFI Q No 8 Red Hill Dome Truss Scaffold and Monorail - Design Dwgs. RFI Q No 8 Red Hill Dome Truss Scaffolding - List of Materials RFI Q No 8 Red Hill Telescoping Box Boom Design Drawings RFI Q No 8 Red Hill Telescoping Box Boom Design Drawings RFI Q No 8 Red Hill Telescoping Box Boom Design Drawings RFI Q No 8 representation is include assessment of the existing towers. Attachment of any equipment to the tower, catwalk, or bridge require structural inspection and an analysis of adequacy. Tower cable guys may require removal in Tank 18 to accomodate equipment installation and operation. Analysis and bracing of the towers to the upper dome is required. Previous modifications to the tower bracing are provided on as reference information on Sheet S-10 (NAVFAC Sketch No. SK-7669). No representation is made to the a |
|----|--------------------------------|--|--|
| | | | |
| 10 | Project Program, Section 3.1.2 | Have the existing coatings (within the tanks and the exterior pipelines) been tested for lead content? | No. |
| 11 | Project Program, Table 3.2 | Where is the nearest electrical substation? Would power be available for purchase if the contractor installed a meter? | The nearest Hawaiian Electric substation is behind Adit 6. This option would be between the awarded Contractor and HECO. |

| 12 | Section 01 35 26.05 20, 1.09) Transmitter Requirements | What type of radio system is permitted inside the tunnel? What frequency is permissible? | The frequencies on commercially-available FCC compliant mine radio systems should be acceptable. Operation on Government frequencies will not be sponsored on this contract. |
|----|--|--|---|
| 13 | Section 01 35 26.05 20, 1.6.3.2. e. | Does the facility have a rescue plan available for emergencies? | No. Follow RFP. |
| 14 | Section 01 35 26.05 20, 3.8, b. | What is the basis for one air change per hour? 29 CFR 1910.146(c)(5)(ii)(E) calls for 20 air changes an hour, which is not feasible for the operational limitations of the tunnel. Is this an accepted value from previous CSE operations? Must the equipment be explosion proof for forced air ventilation? The existing tank operation at Tank 5 was not. | As indicated in 01 35 26.05 20 Section 3.8.b, forced air ventilation is required for all confined space entry operations and the minimum air exchange requirements must be maintained to ensure exposure to any hazardous atmosphere is kept below its' action level regardless of classification. After degassing is complete Contractor is responsible to certify the atmosphere gas free and to maintain a vapor-free condition inside the tank. In past projects, one air change per hour provided acceptable working conditions after the tank was cleaned and gas free. |
| 15 | Section 01 50 00.05 20 Page 102 Table Last item: | Will the Lower Tunnel train be available to the contractor on each of the two contracts for up to 8 hours per day if both projects time lines overlap? | No. |
| 16 | Project Program B201009 Exterior Painting and Coatings | Sow references Section 33 52 80, which is the guide specification for new pipeline coating. Is Section 09 97 13.27 the appropriate Section? | Delete references to 33 52 80 in B20. Design shall include an edited version of Section 09 97 13.27. |
| 17 | Project Program, G306001 Liquid Fuels Distribution Piping | The issue/receipt motor operated 12-inch and 20-inch ball valves have been rebuilt previously (circa 2004), and while the valves tested successfully in the shop, they continued to malfunction after return to service. The manufacturer is no longer in operation, therefore direct replacement seat materials and springs are not available. Would the Gov't consider revising the scope to be repair by replacement for the AES motor operated valves? | Please base proposals on refurbishing the motor- operated ball valves as described in SOW, for typical 12" and 20" 150#-CL ball valves. |
| 18 | Project Program, G306003 Liquid Fuels Storage Tanks, Tank Repairs, d. | What diameter and at what elevation are the datum plates to be installed? How many per tank? | Follow RFP on diameter and elevation. One datum plate per tank. |
| 19 | Project Program, G306001 Liquid Fuels Storage Tanks, Tank Repairs, f. | Can we utilize a slip on flange for the 32-inch non- standard flange repairs inside the tank? | No. |
| 20 | Project Program, G306003 Liquid Fuels Storage Tanks, Tank Repairs, h. | Where are we to label and stencil the tank? The skin of the tank is not visible. | Stencil information on exterior of manway access in upper tunnel. |

| 21 | 01 14 00 .05 20 paragraphs 1.4.4 and 1.4.5 | Regular working hours are defined as an 8 1/2 hour period established by the Contracting Officer, between 7 a.m. and 3:30 p.m., Monday through Friday, excluding Government holidays. Given the time to clear security and access site, can contractor assume that this will not be included in 8.5 hour work period, and we will have full 8.5 hours of work duration per shift? Will Navy agree to extend work shift to 10 hours per day? Will Navy agree to allow Saturday work? | Follow RFP. |
|----|---|---|---|
| 22 | 01 50 00.05 20 1.6 | Please confirm what power will be available inside the tunnel for use by the Contractor (110v, 240v or 480v) and how many amps? Are there any general expectations regarding power interruptions and how long they last?? | Government will not furnish electrical power. Follow RFP. |
| 23 | General | Please confirm that only electric powered or air operated equipment are the only allowable equipment while working inside the tunnels. Also, please confirm that no combustion powered equipment will be allowed inside tunnels or tanks. | Ventilation within the Red Hill facility tunnels is for normal occupancy and cannot accommodate exhaust from internal combustion engines. If Contractor's proposed means and methods include engine-driven equipment, Contractor shall be responsible to ensure discharge of any exhaust or emissions at a safe exit elevation outside of the facility. Exhaust of any gas, fumes or particles from Contractor's work inside the facility shall likewise be removed and exit at a safe outside elevation in compliance with federal, state, or local permits under the Clean Air Act as required in 01 57 19.00 20 Section 1.6.h. |
| 24 | General | Please confirm what lighting will be supplied by the NAVY. | None. |
| 25 | General | When is current contractor (Wilbros) expected to be completely off site? | Current estimate is 4th Quarter CY 2106. |
| 26 | 01 74 19.05 20 3.1 d | RFP states Contractor is responsible for characterizing waste. Contractor assumes this includes lead & Hexavalent Chromium testing of existing coatings? For bidding purposes, what assumptions should contractor make regarding presence or absence of lead and Hexavalent Chromium in existing coatings to be repaired? | Yes. Assume no lead and Hexavalent Chromium. |
| 27 | General | Will Contractor be required to provide Rescue team or will this be supplied by others? | Follow RFP. |
| 28 | General | Will Contractor be responsible for Hole/Fire watches and if so how many people are required? | Follow RFP. |

| 29 | General | What type of communication will be required from inside the tunnel to the outside support? | Follow RFP. |
|----|---|---|--|
| 30 | General | Will the government be providing the site walk sign in sheets to prospective contractors? | Yes, enclosed are copies of the sign-in sheets, agenda, and hand-outs from the 30 June 2016 site visit. |
| 31 | General | Will contractors be allowed to set anchor/lift points into the tunnel walls to aid in equipment dismounting/mounting (e.g., heavy overhead valves)? | No. |
| 32 | Part 3, Project Program, G 30, General System requirements, pages 15 and 16 | How have API Std 653, and Recommended Practice API RP 575, been modified in the past, to accommodate the unique construction of these storage tanks? | Provide engineering expertise and industry experience to design an appropriate program to inspect, assess, and repair the tanks. Implement the principles of API 653 to the extent possible. |
| 33 | EPA report (EPA DKT NO. RCRA 7003- R9-2015-01 NO. 15-UST- EA-01) and DOH DKT | Can we be provided an official copy of the "lessons learned" from Tank 5 repairs? In our independent research, we identified an EPA report (EPA DKT NO. RCRA 7003-R9-2015-01 and DOH DKT NO. 15-UST-EA-01). Attachment A, Statement of Work is an "Administrative Order on Consent In the Matter of Red Hill Bulk Fuel Storage Facility EPA Docket No: RCRA 7003-R9-2015-01, DOH Docket No: 15-UST-EA-01) In paragraph 2.2 TIRM Procedures Report, is referenced, "b. Lessons learned from Tank 5 and related modifications to current procedures;" | No. |
| 34 | RFTOP Section 00210, Factor 1 – Technical Approach | Submission Requirements state: "provide narrative (not to exceed 10 pages) to address 4 key elements. Can Gov't allow more than 10 pages in order to clearly describe our means, methods, tools / equipment to be utilized, mitigation plans for anticipated problems and logistical challenges that will demonstrate our understanding of the scope to be performed. | Page limitation has been increased from 10 pages to 20 pages. |

| 35 | RFTOP Section 00210, Factor 4 - Price | Submission Requirements indicate Summary pricing for each tank (Facility), but also a breakdown by Maintenance, Repair, and New (Minor Construction). Can the Government provide which scope items are to be categorized as Repair, Maintenance, and Minor Construction? | MAINTENANCE ITEMS include: Mobilization, preparation of submittals, temporary air and electrical power and distribution; Drain product, clean tank interior, dispose of sludge; Detailed internal inspection of tank to include measuring thickness and condition of shell plates, welds, and appurtenances, and hydrostatic testing of nozzles; Preparation and recoating of bottom dome IAW UFGS; Refurbish tank skin valves (20", 12", 6" DBBs, & 12" ball valve); Perform strapping and provide charts; Project management, engineering, site safety, quality control, and other supplies, travel, labor, and equipment needed to support maintenance activities. Tank 17 maintenance includes estimated additonal 577 shell repairs, to re-work patch plates installed over telltale penetrations. REPAIR ITEMS include: Predictive repairs include 200 predictive shell repairs; reinforcement of internal tower and installation of missing fasteners; extending catwalk handrailing; replacing internal and exterior sampling lines with new SCH 80 pipe; installing new datum plate at tank bottom; Project management, engineering, site safety, quality control, and other supplies, travel, labor, and equipment needed to support repair activities. MINOR CONSTRUCTION ITEMS: None identified. |
|----|---|--|--|
| 36 | Part Three -Project Program, Section 2.6 | Are there fabrication or shop drawings available for the booms and spider basket systems that are currently in use (Tank 5) for access to the tank interior shell liner? | The following files are provided as reference information and no representation is made to the accuracy, adequacy, or completeness of the information: RFI Q No 8 Red Hill Dome Truss Scaffold and Monorail - Design Dwgs. RFI Q No 8 Red Hill Dome Truss Scaffolding - List of Materials RFI Q No 8 Red Hill Telescoping Box Boom Design Drawings RFI Q No 8 YD Drawing No. 294365 |
| 37 | Part Three – Project Program, Section 2.6 | For supplying temporary electrical power, are we required to draw power source upstream of the Red Hill facility? Or must we draw from a source within the Red Hill Facility? | Provide temporary electrical power. Government will not furnish electrical power. |
| 38 | Drawing M-1 Note 7 | Inspection of center tower - What are design requirements for the "climbing basket"? | Drawing M-1 was provided as information only and is not part of the RFP. |
| 39 | Drawing M-1 Note 4 andPART 3 - CHAPTER 6 / ESRG30 - Page 21 General "Design means and methods for personnel to safely access all of the interior surfaces" | Certification of boom and ancillary equipment - What code or standard will we be held to?Is there a form to fill out?Who provides acceptance of inspection? | Drawing M-1 was provided as information only and is not part of the RFP. Follow RFP. |
| 40 | Drawing M-1 Note 4 and PART 3 - CHAPTER 6 / ESR G30 - Page 21 General "Design means and methods for personnel to safely access all of the | What are qualifications of the inspector for certification of boom and ancillary equipment? Engineer? Registered PE?, Registered PE in Hawaii? | Drawing M-1 was provided as information only and is not part of the RFP. Follow RFP. |

| | interior surfaces" | | |
|----|--|---|--|
| | | | |
| 41 | Drawing M-1 Note 5 and PART 3 - CHAPTER 6 / ESR G30 - Page 21 General "Design means and methods for personnel to safely access all of the interior surfaces" | "Climbing basket" Design criteria of suspended work platform - What code or standard will we be held to? What are qualifications of inspector? — engineer, registered PE, or Registered PE in HI? Is there a form to fill out? Who provides acceptance of inspection? US Federal OSHA restricts the use of work from a crane suspended work basket to tasks that could not be performed more safely by other means. Will work be allowed suspended from the type of mechanism shown on the drawings without consideration of a 'safer' means? | Drawing M-1 was provided as information only and is not part of the RFP. Follow RFP. |
| 42 | Drawing M-1 Note 7 | Design of work platform lift mechanism - What code or standard will we be held to? What are qualifications of inspector – engineer?, Registered PE?, Registered in HI?, Is there a form to fill out? Who provides acceptance of inspection? | Drawing M-1 was provided as information only and is not part of the RFP. Follow RFP. |
| 43 | Part Two –General Requirements, Spec 01 35 26.05 20, 1.6.1.1 | Confirm that 1 one Site Safety & Health Officer (SSHO) is required at all times during field work at each work site Work site defined as each tank; Therefore (2) individual SSHOs would be required if two tanks are being worked concurrently. | Confirmed. |
| 44 | Part Two – Gen requirements, Spec 01 45 00.05 20, 1.4 | Understanding the site QC manager cannot be the SSHO, can the Site Superintendent dual hat as also the site QC Manager? Or, are 3 separate individuals required for the SSHO, site QC Manager and Site Superintendent? | Separate individuals. |

| 45 | Section 01 45 00.05 20 ¶1.4.3.1 Special Inspections table | API 653 Tank Inspector: Under frequency it says: "full-time during inspection. Under area of Responsibility, it calls for: Initial tank inspection; post-repair tank inspection; suitability for service. In Part 3, G30, 2nd par. Page 16, it requires the API 653 inspector provide oversight of inspection and repairs. It is not clear if this is "on site", full or part time. Question: it is not mentioned at all if the API Inspector must be on-site part time or full time during repairs. Please clarify if it is the government's intent for the inspector to have a QC role during repairs or simply after repairs to QC verify repairs. In considering the response, a full-time API presence would be in the government's interest as a commercially independent third party individual to provide the level of independent review of the repair workmanship. In concept, this is not any different than requiring a full time Level III NACE inspector from a QP-5 organization on coating projects. | API 653 inspector required onsite full time during API inspection and audit inspection of repairs. |
|----|---|--|---|
| 46 | Section 01 45 00.05 20 ¶1.4.3.1 Special Inspections table | Registered Engineer: Under frequency it says "full time during inspection". Under area of responsibility: it calls for presence (full time) a) During validation (inspection) audit of tank repairs, and b) Suitability for service Question: Please clarify/confirm that the Registered Engineer is not required full or part time during the tank inspection, or during the repair process | Engineer required onsite full time during audit inspection of repairs. |
| 47 | Part Three – Project Program – Section 6 G30, Inspection Design, Page 17 | Regard to the inspection of the piping, between the tank and the lower tunnel:The 32" tank nozzle is accessible for entry, and full visual inspection to satisfy the API 653 requirements for a visual inspection. However there are smaller, large bore piping (6"-16"-18" depending on location), that are not directly accessible.Question: will the government clarify the "visual inspection" requirement to mandate use of high definition video equipment to provide a full visual inspection, in order to satisfy the requirements of API 653? | This is a Design-Build contract requiring contractor to design both inspections and repair. Follow RFP. |

| 48 | Part Three – Project Program – Section 6 G30, Inspection Design | We were unable to identify anywhere in the SOW for any special level of statistical Quality Assurance check by a member of the construction project team. On sensitive projects, this final level of contractor quality control/assurance checking has been specified elsewhere, so that an additional tier of assurance is brought into the process. Question: is there a requirement now, or upon consideration the government intends to add such a requirement? | Not at this time. |
|----|---|---|---|
| 49 | Part Three – Project Program – Section 6 G30, Inspection Design | Regarding Access to the "top" of the tank. SOW indicates Tank Inspection will include 100% interior of the tank. The Note on drawing M1 states: "Climbing basket for access to any point in the tank, except for top center of dome." (plan view upper right). Although there is no real definition of what is the "top" portion of the dome. Question: Is inspection of the tank to include the very top of the upper dome that is not accessible by the Current Boom and Basket system? | Yes. |
| 50 | RFTOP Section 00100 Instruction to Offerors Item 13. Proposal Due Date | Due to the complexity of this RFP, will the Government consider to extend the due date for receipt of bids to 29 July 2016? | The proposal due date for this requirement has been extended to 4pm (PST) 29 July 2016. |

The administrative contracting office (ACO) is:

NAVFAC Hawaii 400 Marshall Road JBPHH HI 96860-3139

The contracting officer's representative (COR) is

808-474-3220

The administrative contracting officer (ACO) is

808-474-3220

Bonds and insurance should be provided to the ACO.

General Decision Number: HI160001 08/19/2016 HI1

Superseded General Decision Number: HI20150001

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

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.15 for calendar year 2016 applies to all contracts subject to the Davis-Bacon Act for which the solicitation was issued on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.15 (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2016. The EO minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

| Modification | Number | Publication | Date |
|--------------|-----------|-------------|-------|
| Mounicanon | TAUIIIOOI | 1 uonvauon | Date. |

| 0 | 01/08/2016 |
|---|------------|
| 1 | 01/15/2016 |
| 2 | 01/22/2016 |
| 3 | 02/05/2016 |
| 4 | 02/26/2016 |
| 5 | 03/18/2016 |
| 6 | 07/29/2016 |
| 7 | 08/19/2016 |

ASBE0132-001 08/29/2010

Rates Fringes

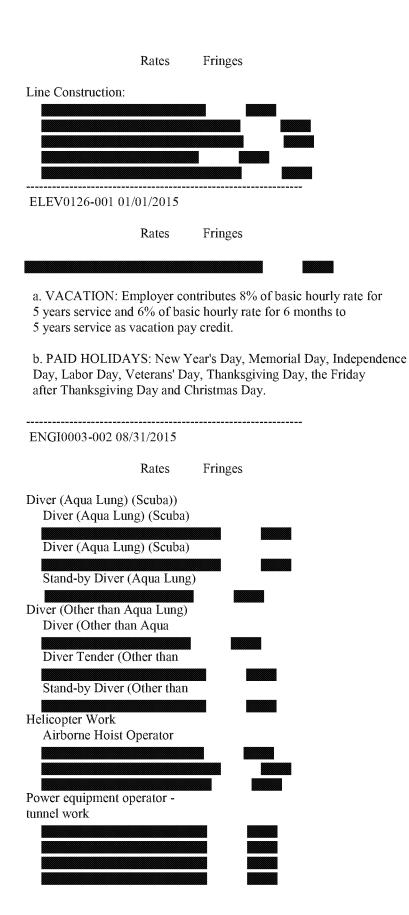
Asbestos Workers/Insulator
Includes application of
all insulating materials,
protective coverings,
coatings and finishes to
all types of mechanical
systems. Also the
application of
firestopping material for
wall openings and
penetrations in walls,
floors, ceilings and

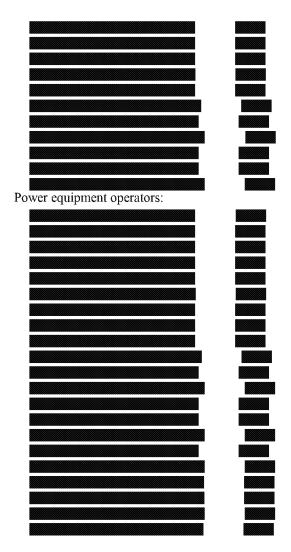
BOIL0627-005 01/01/2013

Rates Fringes

BRHI0001-001 09/03/2012 Fringes Rates BRICKLAYER Pointers, Caulkers and BRHI0001-002 09/02/2013 Rates Fringes Tile, Marble & Terrazzo Worker Terrazzo Floor Grinders Tile, Marble and Terrazzo CARP0745-001 08/31/2015 Rates Fringes Carpenters: Carpenters; Hardwood Floor Layers; Patent Scaffold Erectors (14 ft. and over); Piledrivers; Pneumatic Nailers; Wood Shinglers and Transit Millwrights and Machine Power Saw Operators (2 CARP0745-002 08/31/2015 Fringes Rates Drywall and Acoustical ELEC1186-001 02/21/2016 Rates Fringes Electricians:

ELEC1186-002 02/21/2016





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 Loaderand 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, Liebher, 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).

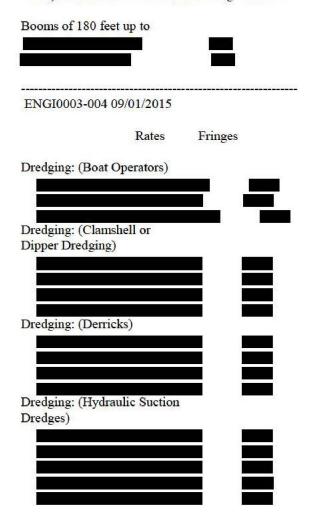
GROUP 13E: End Dumps, Unlicensed (Euclid, Mack, Caterpillar or similar); Tractor Trailer (Hauling Equipment); Tandem Trucks hooked up to Trailer (Hauling Equipment)

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
Booms and/or Leads of 130 feet
Booms and/or Leads of 180 feet up

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:





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 yands)

including 5 yards).

GROUP 4: Deckhand, Fireman, Oiler.

ENGI0003-044 08/31/2015

Rates Fringes

Power Equipment Operators (PAVING)

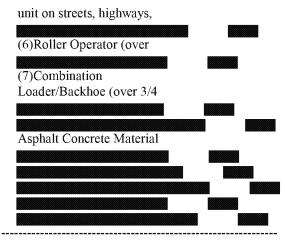
(10)Loader (2 1/2 cu. yds.

(11)Loader (over 2 1/2 cu. yds. to and including 5

(3)Roller Operator (five

(6)Combination
Loader/Backhoe (up to 3/4

(6)Concrete Saws and/or Grinder (self-propelled



IRON0625-001 09/01/2014

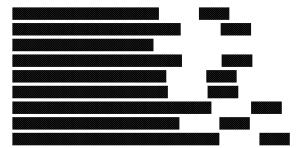
Rates Fringes

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 08/31/2015

Rates Fringes

Laborers:



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, Liner 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, varding, 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 therewithin; 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, Kettlemen, and men applying asphalt, Laykold, treating Creosote and similar-type materials (6-inch) pipe and over); Piping: resurfacing and paving of all ditches in preparation for laying of all pipes; Pipe laying of lateral sewer pipe from main or side sewer to buildings or structure (except Contactor may direct work be done under proper supervision); Pipe laying, leveling and marking of the joint used for main or side sewers and storm sewers; Laying of all clay, terra cotta, ironstone, vitrified concrete, 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 Scariffer (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; 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, Grading and all other 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. Appliance Handling (job site) (after delivery

unlading in storage area); Ground and Soil Treatment Work (Pest Control); Gunite/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; Striper (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 09/01/2015

Rates Fringes

Landscape & Irrigation Laborers



LABORERS CLASSIFICATIONS

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

of rock, stone, or riprap in connection with such Landscape, Waterscape, Rockscape, and Irrigation work; Grubbing, pick and shovel excavation, and hand rolling or tamping in connection with the performance of such Landscaping and Irrigation work; Sprigging, handseeding, and planting of trees, shrubs, ground covers, and other plantings and the performance of all types of gardening and horticultural work relating to said planting; Operation of flat bed trucks (up to and including 2 1/2 tons).:

GROUP 2. Layout of irrigation and other non-potable irrigation water systems and the layout of drinking fountains and other potable irrigation water systems in connection with such Landscaping and Irrigation work. This includes the layout of all heads, risers, valves, valve boxes, vacuum breakers, low voltage electrical lines, hydraulic and electrical controllers, and metallic (coppers, brass, galvanized, or similar) pipe, as well as PVC or other plastic pipe. This work also includes the reading and interpretation of plans and specifications in connection with the layout of Landscaping, Rockscape, Waterscape, and Irrigation work; Operation of Hydro-Mulching machines (sprayman and driver), Drillers, Trenchers (riding type, Davis T-66, and similar) and fork lifts used in connection with the performance of such Landscaping and Irrigation work; Tree climbers and chain saw tree trimmers. Sporadic operation (when used in connection with Landscaping, Rockscape, Waterscape, and Irrigation work) of Skid-Steer Loaders (Bobcat and similar), Cranes (Bantam, Grove, and similar), Hoptos, Backhoes, Loaders, Rollers, and Dozers (Case, John Deere, and similar), Water Trucks, Trucks requiring a State of Hawaii Public Utilities Commission Type 5 and/or type 7 license, sit-down type and "gang" mowers, and other self-propelled, sit-down operated machines not listed under Landscape & Irrigation Maintenance Laborer; Chemical spraying using self-propelled power spraying equipment (200 gallon capacity or more).

GROUP 3: Maintenance of trees, shrubs, ground covers, lawns and other planted areas, including the replanting of trees, shrubs, ground covers, and other plantings that did not "take" or which are damaged; provided, however, that re-planting that requires the use of equipment, machinery, or power tools shall be paid for at the rate of pay specified under Landscape and Irrigation Laborer, Group 1; Raking, mowing, trimming, and runing, including the use of "weed eaters", hedge trimmers, vacuums, blowers, and other hand-held gas, air, electric, or self-powered tools, and the operation of lawn mowers (Note: The operation of sit-down type and "gang" mowers shall be paid for at the rate of pay specified under Landscape & Irrigation Laborer, Group 2); Guywiring, staking, propping, and supporting trees; Fertilizing, Chemical spraying using spray equipment

with less than 200 gallon capacity, Maintaining irrigation and sprinkler systems, including the staking, clamping, and adjustment of risers, and the adjustment and/or replacement of sprinkler heads, (Note: the cleaning and gluing of pipe and fittings shall be paid for at the rate of pay specified under Landscape & Irrigation Laborer(Group 1); Watering by hand or sprinkler system and the peformance of other types of gardening, yardman, and horticultural-related work.

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Rates Fringes

Underground Laborer



GROUP 1: Watchmen; Change House Attendant.

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

GROUP 3: Chucktenders and Cabletenders; Powderman (Prime House); Vibratorman, Pavement Breakers

GROUP 4: Miners - Tunnel (including top and bottom man on shaft and raise work); Timberman, Retimberman (wood or steel or substitute materials thereof); Blasters, Drillers, Powderman (in heading); Microtunnel Laborer; Headman; Cherry Pickerman (where car is lifted); Nipper; Grout Gunmen; Grout Pumpman & Potman; Gunite, Shotcrete Gunmen & Potmen; Concrete Finisher (in tunnel); Concrete Screed Man; Bit Grinder; Steel Form Raisers & Setters; High Pressure Nozzleman; Nozzleman (on slick line); Sandblaster-Potman (combination work assignment interchangeable); Tugger

GROUP 5: Shaft Work & Raise (below actual or excavated ground level); Diamond Driller; Gunite or Shotcrete Nozzleman; Rodman; Groundman

GROUP 6: Shifter

GROUP 7: Shifter (Shaft Work & Raiser)

PAIN1791-001 01/01/2016

Rates Fringes Painters: PAIN1889-001 07/01/2016 Rates Fringes PAIN1926-001 03/01/2015 Rates Fringes PAIN1944-001 01/01/2016 Rates Fringes PLAS0630-001 08/31/2015 Rates Fringes PLAS0630-002 08/31/2015 Rates Fringes Cement Masons: PLUM0675-001 07/03/2016 Rates Fringes Plumber, Pipefitter, Steamfitter & Sprinkler Fitter...\$ 40.85 24.98 ROOF0221-001 09/06/2015 Rates Fringes Roofers (Including Built Up, SHEE0293-001 08/01/2015

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Rates Fringes

SUHI1997-002 09/15/1997

Rates Fringes

FENCE ERECTOR (Chain Link

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)).

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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 a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 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. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

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

ACCOUNTING AND APPROPRIATION DATA

