ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO.	2. DELIVERY ORDER/ CALL NO.	3. DATE OF ORDER/CALL (YYYYMMMDD)	4. REQ./ PURCH. REQUEST NO.	5. PRIORITY
N62473-08-D-8816	0005	2009 Sep 25	ACQR904701	

6. ISSUED BY CODE N62473

NAVFAC SOUTHWEST
ENVIRONMENTAL CONTRACTS CORE - BRAC
CODE R06B2
1220 PACIFIC HWY
SAN DIEGO CA 92132-5190

7. ADMINISTERED BY *(if other than 6)* CODE

SEE ITEM 6

8. DELIVERY FOB
[X] DESTINATION
[ ] OTHER
(See Schedule if other)

9. CONTRACTOR CODE 1VH35 FACILITY

NAME AND ADDRESS
AMEC EARTH & ENVIRONMENTAL, INC.
DANIEL CHOW
9210 SKY PARK CT" STE 200
SAN DIEGO CA 92123-4478

10. DELIVER TO FOB POINT BY (Date) (YYYYMMMDD)
SEE SCHEDULE

11. MARK IF BUSINESS IS
[ ] SMALL
[ ] SMALL DISADVANTAGED
[ ] WOMEN-OWNED

12. DISCOUNT TERMS

13. MAIL INVOICES TO THE ADDRESS IN BLOCK
WAWF

14. SHIP TO CODE

SEE SCHEDULE

15. PAYMENT WILL BE MADE BY CODE N68732

DEFENSE FINANCE AND ACCOUNTING SERVICE
DFAS CLEVELAND
CLEVELAND NORFOLK ACCOUNTS PAYABLE
PO BOX 998022
CLEVELAND OH 44199-8022

MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.

16. TYPE OF ORDER

DELIVERY/ CALL	X	This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.
PURCHASE		Reference your quote dated Furnish the following on terms specified herein. REF:

ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.

NAME OF CONTRACTOR | SIGNATURE | TYPED NAME AND TITLE | DATE SIGNED (YYYYMMMDD)

[X] If this box is marked, supplier must sign Acceptance and return the following number of copies: **1**

17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE

See Schedule

18. ITEM NO.	19. SCHEDULE OF SUPPLIES/ SERVICES	20. QUANTITY ORDERED/ ACCEPTED*	21. UNIT	22. UNIT PRICE	23. AMOUNT
	SEE SCHEDULE				

** If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.*

24. UNITED STATES OF AMERICA
TEL: 619-532-3790
EMAIL: charles.depew@navy.mil
BY: CHARLES W. DEPEW
CONTRACTING / ORDERING OFFICER

25. TOTAL $22,363,463.00
26. DIFFERENCES

27a. QUANTITY IN COLUMN 20 HAS BEEN
[ ] INSPECTED [ ] RECEIVED [ ] ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED

b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE | c. DATE (YYYYMMMDD) | d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE

e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE

f. TELEPHONE NUMBER | g. E-MAIL ADDRESS

28. SHIP NO. | 29. DO VOUCHER NO. | 30. INITIALS

[ ] PARTIAL [ ] FINAL

31. PAYMENT
[ ] COMPLETE [ ] PARTIAL [ ] FINAL

32. PAID BY

33. AMOUNT VERIFIED CORRECT FOR

34. CHECK NUMBER

35. BILL OF LADING NO.

36. I certify this account is correct and proper for payment.

a. DATE (YYYYMMMDD) | b. SIGNATURE AND TITLE OF CERTIFYING OFFICER

37. RECEIVED AT	38. RECEIVED BY	39. DATE RECEIVED (YYYYMMMDD)	40. TOTAL CONTAINERS	41. S/R ACCOUNT NO.	42. S/R VOUCHER NO.

Section B - Supplies or Services and Prices

ITEMS ACCEPTED
ITEMS ACCEPTED
Offer from **AMEC Earth & Environmental, Inc.** dated 6 July 2009 to include all labor, equipment, and materials to accomplish the scope of work in accordance with solicitation N68711-05-D-6404-X013 dated 7 April 2009, including Amendments 01 through 10, and the two clarification responses dated 13 July 2009.

Work Elements	**Award Amounts**
1 – Project Management and Contract Administrative Support	$1,573,504.00
2 – Preparation of Plans	$256,839.00
3 – Field Work	$20,461,215.00
4 – After Action Report	$71,905.00
TOTAL AWARD AMOUNT	**$22,363,463.00**
***Total Construction	$20,461,215.00
Total Non-Construction	$1,902,248.00

***Note:** Bonds are required for the Construction portion of this contract and the bond cost is a reimbursable item.

OPTION ITEMS	
OPTION ITEM 01: Excavate and Properly Dispose of Contaminated Soil/Sediment (unit cost per cubic yard)	**$367.72 /cy** ($1,430,061 **total)**
OPTION ITEM 02: Decontaminate All of the Exterior Windows and Frames from all COCs	**$1,103,069**

For **Option 01**, the following FAR clause and time period is utilized:

FAR 52.217-7, OPTION FOR INCREASED QUANTITY--SEPARATELY PRICED LINE ITEM (MAR 1989)
The Government may require the delivery of the numbered line item, identified in the Schedule as an option item, in the quantity and at the price stated in the Schedule. The Contracting Officer may exercise the option by written notice to the Contractor within **the period of performance of the CTO**. Delivery of added items shall continue at the same rate that like items are called for under the contract, unless the parties otherwise agree.

For **Option 02**, the following FAR clause and time period is utilized:

FAR 52.217-7, OPTION FOR INCREASED QUANTITY--SEPARATELY PRICED LINE ITEM (MAR 1989)
The Government may require the delivery of the numbered line item, identified in the Schedule as an option item, in the quantity and at the price stated in the Schedule. The Contracting Officer may exercise the option by written notice to the Contractor within **180 calendar days of contract award**. Delivery of added items shall continue at the same rate that like items are called for under the contract, unless the parties otherwise agree.

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0001		22,363,463	Dollars, U.S.	$1.00	$22,363,463.00

Hangar 1 RA, Moffett Field, CA
FFP
X005 Hangar 1 Remedial Action, Moffett Field, CA
FOB: Destination
PURCHASE REQUEST NUMBER: ACQR904701

MAX NET AMT		$22,363,463.00

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
000101		UNDEFINED		UNDEFINED	$0.00

FUND ACRN AA
FFP
Funding Doc. No.: N4769209WXV9513 CUSTOMER ACRN AA
FOB: Destination
MILSTRIP: N4769209WXV9513

MAX NET AMT		$0.00
ACRN AA		$22,363,463.00

CIN: 00000000000000000000000000000000

Section C - Descriptions and Specifications

STATEMENT OF WORK
CONTRACT: N62473-08-D-8816-0005
Contract Specialist: Maryann Hough (619) 532-0791
Remedial Project Manager: Angela Lind (619) 532-0922

1. DESCRIPTION OF WORK

This project is to implement the Alternative 10 Remedial Action at Site 29 (Hangar 1) at the Former Naval Air Station Moffett Field, California.

2. LOCATION

The work shall be located at Former Naval Air Station Moffett Field, California.

3. INQUIRIES

All inquiries concerning any part of this solicitation should be made to Maryann Hough, RAQ20.MH via e-mail at maryann.hough@navy.mil.

4. SITE VISITATION

A site visit is scheduled for **10:00A.M. (PST), Tuesday, 14 April 2009**. We will be meeting to begin the Site Visit at **Building 107 at Former NAS Moffett Field, CA**. A tour will be conducted at the project site with Government personnel.

Firms are required to notify the contracting officer in writing within 48 hours after participation in the walk through that they do not plan to submit a proposal and decline any further participation for that specific task order.

The clauses at 52.236-2, Differing Site Conditions, and 52.236-3, Site Investigation and Conditions Affecting the Work, will be included in any contract awarded as a result of this solicitation. Accordingly, offerors are urged and expected to inspect the site where the work will be performed.

Proposers who wish to attend the site visit must contact **Maryann Hough** at maryann.hough@navy.mil by the **COB April 7th** so that their planned attendance is registered. Attendees are required to provide appropriate identification (driver's license) at the gate to enter. Any site access will be limited to the ground floor. There will be no climbing the stairs, going up elevators, or access to catwalks. This is both a safety and liability issue. Photography is allowed, but is limited to the interior and exterior of Hangar 1. No photos can be taken of the airfield operations.

Attendance at the site visit is highly encouraged. The prospective Contractor is advised that the site visit will be held for the purpose of team introductions, explaining the concepts involved in the project and the specifications, terms, and conditions of this solicitation.

5. PRE-PROPOSAL CONFERENCE

A pre-proposal conference will be held **in conjunction with the Site Visit,** where questions will be answered relative to this Request for Proposal (RFP).

All prospective offerors are **highly encouraged** to attend this conference. In order to make the conference as productive as possible, offerors are requested to **submit any initial questions by April 10th** to **Maryann Hough** by email at maryann.hough@navy.mil. The submission of written questions will not preclude anyone from posing questions during the pre-proposal conference.

Failure of a prospective offer to submit any questions or to attend the conference will be construed to mean that the offeror fully understands all requirements of the solicitation. Prospective offerors are advised that the pre-proposal conference will be held solely for the purpose of explaining the concepts involved in the project and the specifications, terms, and conditions of this solicitation.

No minutes of this meeting will be issued. All prospective offers are advised that this solicitation will remain unchanged unless it is amended in writing. However, if an amendment is issued, normal procedures relating to the acknowledgment and receipt of any such amendment shall be applicable.

6. REQUEST FOR INFORMATION (RFI)

The Request for Information (RFI) deadline is **April 28, 2009**. RFIs are to be submitted by e-mail to maryann.hough@navy.mil.

7. DEFINITIONS

Where "as shown," "as indicated," "as detailed," or words of similar importance are used, it shall be understood that reference to the drawings accompanying this specification is made unless stated otherwise. Where "as directed," as required," "as permitted," "approved," "acceptance," or words of similar importance are used, it shall be understood that the direction, requirements, permission, approval, or acceptance of the Contracting Officer is intended unless stated otherwise. As used herein, "provided" shall be understood to mean "provided complete in place," that is "furnished and installed."

8. MINIMUM WAGE RATES

The minimum wages required for payment under this contract are in accordance with U.S. Department of Labor, General Decision Number **CA080029, Modification 26, dated 04/03/2009** and are hereby made part of this task order. www.wdol.gov.

9. PREPARATION OF OFFERS

(a) Offerors are encouraged to participate in the site visit, examine the scope of work, drawings, specifications, schedule, and all instructions. Failure to do so will be at the offeror's risk.
(b) Each offeror shall furnish the information required by the task order. The offeror shall sign the offer and print or type its name on the Schedule and each continuation sheet on which it makes an entry. Erasures or other changes must be initialed by the person signing the offer. Offers signed by an agent shall be accompanied by evidence of that agent's authority, unless that evidence has been previously furnished to the issuing office.
(c) For each item offered, offerors shall (1) show the unit price/cost (if applicable), including, unless otherwise specified, packaging, packing, and preservation and (2) enter the extended price/cost for the quantity of each item offered in the “Amount” column of the Schedule. In case of discrepancy between a unit price/cost to be correct, subject, however, to correction to the same extent and in the same manner as any other mistake.
(d) Offers for supplies or services other than those specified will not be considered unless authorized by the solicitation.
(e) Offerors must state a definite time for delivery of supplies or for performance of services, unless otherwise specified in the solicitation.
(f) Time, if stated as a number of days, will include Saturdays, Sundays, and holidays.

10. PROPOSALS

Submit proposals on the Offer Schedule provided. All proposals must be submitted by **15 May 2009 at 2:00 P.M., Pacific Standard Time,** as indicated on the front page of the RFP. Email and fax proposal **will not** be allowed.

Proposals must be delivered to:

DEPARTMENT OF THE NAVY
BRAC PROGRAM MANAGEMENT OFFICE
ATTN: MARYANN HOUGH
1455 FRAZEE ROAD, SUITE 900
SAN DIEGO, CA 92108-4310.

Number of copies required:

- **Volume I:** Technical Submittals – **one original and three (3) copies**. *Volume I shall not contain any cost/pricing information. See Page Limitations.*
- **Volume II:** Offer Schedule – **one original with an original signature and date, and one copy**.

11. BASIS FOR AWARD - The basis for award is **Best Value.**

A. Evaluation Process

When the proposal is evaluated as a whole, the Factors are listed in order of importance, with Factor 1 being slightly more important than Factor 2, and Factor 2 being slightly more important than Factor 3. Technical evaluation factors 1, 2, and 3, when combined, are significantly more important than Factor 4 (Price). The importance of Factor 4 (Price) will increase if offerors in the competitive range are considered essentially equal in terms of technical capability or if a price is so significantly high as to diminish the value of technical superiority to the Government.

B. Evaluation Methodology and Rating Scheme

The following evaluation criteria shall be documented in writing by the offerors and all proposals shall be evaluated against the following criteria:

FACTOR 1 – Technical Approach
FACTOR 2 – Protective Coating
FACTOR 3 – Specialized Experience
FACTOR 4 – Price

The evaluation factors that apply to this acquisition are a part of a Task Order Evaluation Plan. Technical and Price are evaluated individually. The applicable Evaluation Factors are identified as follows:

PAGE LIMITATIONS FOR VOLUME I (FACTOR 1, FACTOR 2 and FACTOR 3) – ***Please note that each Factor contains a page limitation. A page is one side of an 8.5"x11" sheet with 1" margins, and lettering as Times New Roman in 12pt. Cover Pages and Table of Contents are included in the page count. The overall page count is 18 pages, with specific page counts for each factor. Clearly mark which pages are associated with which factor. Pages exceeding specified limitations will be removed and not be included in the evaluation.***

Factor 1 – Technical Approach - ***Limit to ten (10) pages.***

The offeror's technical approach will be evaluated based on the offeror's understanding of the requirements and the viability of its proposed technical approach to address the unique challenges, opportunities, and constraints inherent to this project. The narrative shall provide details on the methods and equipment that will be utilized to support the offeror's proposed technical approach for the completion of all project tasks as outlined in the scope of work. The narrative shall include, but is not limited to, the following areas of concern:

a) **Controls** - How the removal action will be completed without releasing contaminants (such as LBP, PCBs, or Asbestos) into the environment (air, water, and soil), including your plan for transport and disposal of waste off-site.
b) **Safety** – The measures that will be taken to complete the project in a safe manner for both the workers and the public.

c) **Community Relations** – Actions that will be taken to maintain a good working relationship with base personnel, the adjacent community, regulatory agencies, and Navy personnel.

Note:
Proposals that provide an innovative approach to control contaminant release as a result of removal **may** receive a higher rating.

Factor 2 – Protective Coating - ***Limit to three (3) pages.***

Provide manufacturer's cut/performance sheets for the proposed weather-resistant non-combustible protective coating, as described in Item 2.3.14 of the scope of work. Include a narrative describing the methods and equipment that will be used for the surface preparation and application of the protective coating to the applicable areas. Proposals shall include warranty information for the weather-resistant non-combustible protective coating.

Note:
Proposals that provide a warranty longer than the minimum of 10 years for the protective coating **may** receive a higher rating.

Factor 3 – Specialized Experience - ***Limit to five (5) pages.***

There is a clear distinction between experience and past performance. Experience is related to the types and amounts of work previously accomplished. Past performance relates to how well a contractor has performed. The size, complexity and scope of this project requires key personnel with specialized experience.

Provide a minimum of three (3), maximum of four (4) projects that were completed within the last five (5) years by the prime contractor or subcontractor which demonstrates experience with working at heights **above 80 feet**. Specifically address the experience relating to the following key labor categories:

a. Protective Coating
b. Demolition and Remediation
c. Structural and Welding

Project Information shall, at a minimum, include the project description, location, overall project cost, period of performance, and client name and contact information. In addition to the minimum information, provide the overall safety record for the past three (3) years of reported data for the Contractor listed in the past experience narratives. At a minimum, the safety information is to include:

a. Experience Modification Rate (EMR)
b. OSHA Lost Workday Rate (LWDR)
c. OSHA Recordable Incidence Rate (RIR)

Safety rates will be evaluated against the following standards:

	EMR	**LWDR**	**RIR**
Excellent	Less than .7	Less than 1	Less than 3
Good	.7 to .8	1 to 2	3 to 5
Satisfactory	.8 to .9	2 to 3	5 to 7
Marginal	.9 to 1.0	3 to 4	7 to 9
Poor	Greater than 1.0	Greater than 4	Greater than 9

Note:
Proposals that provide project experience in the three key labor categories at an airfield hangar **may** receive a higher rating.

Factor 4 - Price (Volume II) - *Limit price proposal to Offer Schedule page provided in solicitation.*

The Contractor is to provide a summary of their price proposal on the provided ***Offer Schedule***. Price will be evaluated on the basis of whether or not it is fair and reasonable. Proposals will be evaluated to assess the degree to which proposed price accurately reflects proposed performance. A price which is found to be either unreasonably high or unrealistically low in relation to the proposed work may result in the proposal being eliminated from competition, either on the basis that the offeror does not understand the requirement or that it has made an unrealistic proposal. Price analysis will be performed by one or more of the following techniques to ensure a fair and reasonable price: 1) Comparison of proposed prices received in response to the solicitation, 2) Comparison of proposed prices with the independent Government estimates, and/or 3) Comparison of proposed prices with available historical information.

52.217-3 -- Evaluation Exclusive of Options (Apr 1984)

The Government will evaluate offers for award purposes by including only the price for the basic requirement; i.e., options will not be included in the evaluation for award purposes. (End of Provision)

C. Discussions

It is the Government's intention to evaluate proposals and award a contract without discussions with offerors, other than exchanges conducted for the purpose of minor clarifications. However, the Government reserves the right to conduct discussions if later determined by the Contracting Officer to be necessary. Therefore each initial proposal should contain the offeror's best terms from a price and technical standpoint.

12. AFFIRMATIVE ACTION COMPLIANCE

In accordance with FAR 52.222-23, Notice of Requirement for Affirmative Action to Ensure Equal Employment Opportunity for Construction (Feb 1999), the following 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
19.6%	**6.9%**

As used in this Notice, and in any contract resulting from this solicitation, the "covered area" is **Santa Clara County.**

13. COMMENCEMENT, PROSECUTION, AND COMPLETION OF WORK

In accordance with FAR 52.211-10 -- Commencement, Prosecution, and Completion of Work (Apr 1984)
The Contractor shall be required to
(a) commence work under this contract within **1** calendar day 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 **540 calendar days after award**. The time stated for completion shall include final cleanup of the premises.

14. DEFINITIONS (AWARD)

(a) The date of award is the date the DD-1155 is signed by the Contracting Officer and the Notice of Award is also a Notice to Proceed unless otherwise stated in the Notice to Proceed.

(b) The contract completion date will be computed starting after the date of award, regardless of when performance and payment bonds are provided.

(c) The date by which performance and payment bonds must be submitted is **15 calendar days** after the date of award.

15. INSURANCE

FAR 52.228-5, Insurance -- Work on Government Installation (Jan 1997) is incorporated by reference.

16. PERFORMANCE AND PAYMENT BONDS – CONSTRUCTION

FAR 52.228-15 -- Performance and Payment Bonds -- Construction (Nov 2006) is incorporated by reference.

17. KICKOFF MEETING

Prior to commencement of work under this task order, and within 3 calendar days after notice of award, contact Angela Lind at (619) 532-0922 to schedule a Kickoff meeting.

18. CONTRACT CLAUSES

All contract clauses in the Basic Contract by reference or full text remain in effect unless superseded by this task order.

FORMER NAVAL AIR STATION MOFFETT FIELD
MOFFETT FIELD, SANTA CLARA COUNTY, CALIFORNIA
PERFORMANCE-BASED, MULTIPLE AWARD, FIXED-PRICE, REMEDIAL ACTION CONTRACT (PERMAC) FOR SITE 29

SCOPE OF WORK

March 30, 2009

TABLE OF CONTENTS
(Page numbers do not correlate with award document page numbers.)

ABBREVIATIONS AND ACRONYMS

AAR	After Action Report
ACM	Asbestos-Containing Material
ACOE	Army Corps of Engineers
AHA	Activity Hazard Analysis
AM	Action Memorandum, December 2008
APP	Accident Prevention Plan
ARAR	Applicable or Relevant and Appropriate Requirement
BAAQMD	Bay Area Air Quality Management District
BMP/SWMP	Best Management Practices/Storm Water Management Plan
BRAC-PMO-W	Base Realignment and Closure Program Management Office-West
CCR	California Code of Regulations
CCS	Coating Condition Survey
CDFG	California Department of Fish and Game
CFR	Code of Federal Regulations
CIH	Certified Industrial Hygienist
COC	Contaminant of Concern
CS	Contract Specialist
CSO	Caretaker Site Office
CSP	Certified Safety Professional
CTO	Contract Task Order
DQO	Data Quality Objective
DMP	Data Management Plan
DoD	Department of Defense
EE/CA	Engineering Evaluation/Cost Analysis, July 30, 2008
FAA	Federal Aviation Administration
LCP	Lead Containing Paint
LRPM	Lead Remedial Project Manager
MBTA	Migratory Bird Treaty Act
MOU	Memorandum of Understanding
NAS	Naval Air Station
NASA	National Aeronautics and Space Administration
NAVFAC	Naval Facilities Engineering Command

ABBREVIATIONS AND ACRONYMS (Cont.)

Navy	U.S. Department of the Navy
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
NHPA	National Historic Preservation Act
NIRIS	Naval Installation Restoration Information Solution
NMPHC	Navy and Marine Public Health Center
NTCRA	Non-Time-Critical Removal Action
OHP	Office of Historic Preservation
OSHA	Occupational Safety and Health Administration
PCB	Polychlorinated Biphenyl
POA	Plan of Action
POC	Point of Contact
POTW	Publicly Owned Treatment Works
QAPP	Quality Assurance Project Plans
QA/QC	Quality Assurance/Quality Control
RAB	Restoration Advisory Board
RCRA	Resource Conservation and Recovery Act
RWQCB	Regional Water Quality Control Board
ROICC	Resident Officer In Charge of Construction
RTC	Response to Comments
SAP	Sampling and Analysis Plan
SOW	Scope of Work
SSHP	Site Specific Safety and Health Plan
SSHO	Site Safety and Health Officer
SW	South West Division
SWRCB	State Water Resources Control Board
TCRA	Time-Critical Removal Action
TSI	Thermal System Insulation
TSCA	Toxic Substances Control Act
TWDP	Transportation and Disposal Plan (Waste Management Plan)
UFGS	Unified Facilities Guide Specifications
UFP	Uniform Federal Policy
USA	Underground Service Alert
USEPA	United States Environmental Protection Agency

PERFORMANCE-BASED, MULTIPLE AWARD, FIXED-PRICE, REMEDIAL ACTION CONTRACT FOR ALTERNATIVE 10 (REMOVE SIDING AND COAT EXPOSED SURFACES) FOR HANGAR 1 FORMER NAVAL AIR STATION MOFFETT FIELD MOFFETT FIELD, CALIFORNIA

The Scope of Work (SOW) shall be as outlined below and as described elsewhere in the basic contract. Naval Facilities Engineering Command Southwest (NAVFAC-SW) will administer this proposed contract and the Base Realignment and Closure Program Management Office (BRAC PMO) West Office will manage the work under this Contract Task Order (CTO). Period of performance will be 18 months.

SECTION 1 – INTRODUCTION/BACKGROUND

This Scope of Work (SOW) addresses the items required to complete project meetings/project management/community outreach, project plans including Work Plan, Sampling and Analysis Plan (SAP) and Accident Prevention Plan/ Site specific Safety and Health Plan (APP/SSHP), removal action field work, and an After Action Report (AAR) in support of Alternative 10 at Hangar 1, Moffett Field, California.

Hangar 1 at Moffett Field is approximately 1,133 feet long, 308 feet wide and 198 feet high. It is constructed of a steel-frame covered with a combination of decking, roofing, and siding. The siding consists of Robertson Protected Metal, known to contain both polychlorinated biphenyls (PCBs) and asbestos. In addition, Hangar 1 is coated with lead-based paint that contained PCBs.

In 1997, PCBs were detected and traced to Hangar 1. The Navy's Time-Critical Removal Action (TCRA) was completed in October 2003 and included pressure washing the siding and then coating it with asphalt emulsion. The paved areas around the hangar were also cleaned by pressure washing to remove PCBs from the surface areas.

This Non Time Critical Removal Action (NTCRA) is being conducted in order to control the migration of PCBs from Hangar 1 to the environment through source elimination and/or containment. The Removal Action Objective (RAO) is to control the release of Contaminants of Concern (COCs) at Hangar 1, thereby reducing human health and environmental concerns while minimizing future operation and maintenance activities at the site.

To carry out that RAO, several removal alternatives have been evaluated. Alternative 10 was selected as the preferred alternative as presented in Engineering Evaluation and Cost Analysis (EE/CA), July 2008 and Action Memorandum (AM), December 2008 (see EE/CA and AM for details of alternative 10).

The primary objective of this project is the implementation of Alternative 10 as described in the EE/CA and AM. The Contractor shall salvage all the recyclable materials (provided it is safe and decontaminated) to minimize waste and disposal material. Implementation of Alternative 10, at a minimum, includes the following work elements:

- Apply for a National Aeronautics and Space Administration (NASA) construction permit to implement Alternative 10
- Perform Mobilization to transport equipment, personnel etc. to the site
- Use a locator service to perform a utility scan and obtain utility clearance from Underground Service Alert (USA) and NASA
- Implement Best Management Practice/Storm Water Management Plan (BMP/SWMP) before fieldwork begins to prevent stormwater run on/run off to comply with Applicable or Relevant and Appropriate Requirements (ARARs)
- Conduct a Biological Survey before fieldwork begins to address potential for migratory/roosting birds issues, bird and animal scat, bird strike hazards, and animals present in Hangar 1

- Implement dust control/air emission controls and conduct air monitoring to comply with ARARs
- Abate Asbestos-containing Material (ACM)
- Remove and properly dispose of all the equipments, furniture and furnishings within Hangar 1 except for items that NASA has tagged and Navy has approved to decontaminate and reuse
- Cap all utilities including heat, gas, water, and sanitary lines serving the Hangar except the storm drain system
- Demolish all exterior HVAC equipment, staircases and stairway footings
- Demolish/Remove and properly dispose of all Interior buildings (excluding concrete buildings), man-cranes, inside catwalk planks, etc. All the man-cranes are to be removed as part of the removal action. However, upon removal, the man cranes will be preserved and may be donated to the Moffett Field Museum.
- Pressure Wash all structural steel members, concrete slab, and storm water collection system of Hangar 1
- Remove siding, redwood ceiling and roofing, and outside catwalks from Hangar
- Replace and/or add additional structural steel members and connections as required to strengthen the secondary members after removal of the siding and roofing
- Segregate, classify and dispose of all generated wastes (including rinsate from pressure wash) to approved off-site facilities to comply with ARARs
- Coat surfaces of the remaining structural steel with primer and a non-combustible, weather resistant epoxy coating to encapsulate PCBs in paint remaining on the steel structure. The color of the coating is to match as closely as possible to the original Hangar siding to minimize the visual changes caused by the implementation of this alternative.
- Implement measures to comply with Migratory Bird Treaty Act (MBTA), abate potential bird strike hazards and potential safety concerns from animals present in Hangar 1
- Conduct confirmation sampling and analysis of soil and sediment around the perimeter of Hangar 1, and concrete (wipe samples) on the floor of Hangar 1 to ensure that no PCBs are still remaining on site
- During the remediation process, the airfield beacon and airfield obstruction lights shall be kept operational per Federal Aviation Authority (FAA) requirements.
- Decontaminate and clean up the site including all equipments and items that are tagged to remain
- Perform Demobilization to transport equipment, personnel etc. from the site
- Option 1 – Excavate and properly dispose of contaminated soil in adjacent areas of Hangar 1 if soil sampling and analysis results indicate that the soil contains PCBs greater than the 1,000 µg/L Toxic Substances Control Act (TSCA) requirement for residential use. This option should be priced per unit (cubic yard). Backfill excavated soil with class II base rock, compacted to 95%
- Option 2 – Decontaminate the windows and frames from all COC's.

The draft and pre-final versions of plans and AAR for the Hangar 1 removal action field work to be developed by the Contractor will be approved by the Navy Lead Remedial Project Manager (LRPM) and the appropriate agencies deemed relevant by LRPM. All comments from LRPM shall be addressed before the final version of these documents is accepted.

Work performed under this contract shall be in accordance with the:

- Bay Area Air Quality Management District (BAAQMD)
- Code of Federal Regulations (CFR)
- Clean Air Act
- Clean Water Act
- California Code of Regulations (CCR)
- Occupational Safety and Health Administration (OSHA)
- National Oil and Hazardous Substances Pollution Contingency Plan (NCP)
- National Historic Preservation Act (NHPA)
- Resource Conservation and Recovery Act (RCRA)
- State Water Resources Control Board (SWRCB)
- Toxic Substances Control Act (TSCA)
- United States Environmental Protection Agency (USEPA)

The Contractor shall follow all applicable Navy, UFGS, NAVFAC SW, and DoD policies. Work shall be conducted in compliance with all ARARs.

All costs and level of effort shall be proposed based on the Contractor's review and understanding of Alternative 10. The Contractor shall not begin the field work until all the references described in Section 4 of this document have been thoroughly reviewed.

SECTION 2 – WORK ELEMENTS

2.1 Work Element 1 – Project Management and Meetings

The Contractor shall provide personnel and resources for the management and control of project activities, scoping, planning, estimating, executing, tracking, controlling, reporting, analyzing and closure of the project. This includes direct management of the project as well as the support and administrative functions needed for successful project management, including the selection of appropriate subcontractors, and off-site disposal facilities. This work element shall include, but not be limited to, the following tasks

2.1.1 Meetings

The Contractor shall attend a site kick-off meeting at Moffett Field. The kickoff meeting will be for the introduction of the key players from NASA, BRAC PMO, USEPA, Resident Officer In Charge of Construction (ROICC), and State agencies for the opportunity to discuss strategy/Plan of Action (POA) and the SOW.

The Contractor shall prepare and conduct up to 4 presentations at the Moffett Field Restoration Advisory Board (RAB) meeting on the status of Hangar 1 removal action.

Furthermore, the Contractor shall conduct 3 public outreach meetings to inform the base personnel of the status of Hangar 1 removal action. The purpose of the base outreach meetings is to address base personnel's concerns with regard to being exposed to air borne contaminants from the removal action activities. The Contractor shall put together fact sheets to address the measures that the Contractor is taking to ensure that there is no risk to human health or the environment during the removal action activities.

The Contractor shall attend up to 3 additional meetings to discuss the progress of completing the SOW, to discuss the work plan/after action report, and to discuss the results of the confirmation sampling/analysis.

The Contractor shall provide an agenda for each meeting. The Contractor shall provide meeting minutes to all attendees within 10 calendar days of each meeting. The meetings would be held at Moffett Field and last for a maximum of 8 hours, and require the Contractor's Project Manager to attend.

2.1.2 Correspondence

The Contractors shall interface with the LRPM and ROICC concerning pertinent issues regarding this project.

2.1.3 Status Updates

The Contractor shall brief the LRPM and ROICC Point of Contact (POC) with regard to the progress and current status of the project by telephone, letter or email regularly (at least monthly and more frequently during construction/demolition activities).

2.1.4 Construction Management

The Contractor shall manage the construction/demolition activities and direct the actions of subcontractors, if any.

2.2 Work Element 2 - Plans

The Contractor shall prepare a draft, pre-final and final versions of Work Plan, SSHP and SAP. Approval of all plans by LRPM is required before site work may begin.

2.2.1 Work Plan

The work plan shall describe the POA and milestones to accomplish this removal action per the EE/CA and AM. The work plan shall provide a project schedule and describe how each work element is to be accomplished. It shall describe the fieldwork removal action strategies, methodologies, and applicable protocol or procedures. It shall be in accordance with NCP guidelines.

The draft and pre-final versions of the work plan will be reviewed by LRPM and other agencies deemed relevant by LRPM. The Contractor shall prepare responses to regulatory agency comments and include the Response to Comments (RTC) matrix in the final Work Plan.

The work plan shall include at a minimum:

- Project overview – The project overview will include a brief description of Hangar 1, history of the contaminants and actions taken to date.

- Scope of work

- Project Schedule provided on a Gantt chart – The schedule shall include major milestones to be accomplished during the execution of the project.

- Strategies, POA, Structural methodologies and applicable procedures for removal – This element shall include demolition plans(s) and other related field work methodologies. The Contractor shall provide phasing plans for the siding removal to avoid any unbalanced loading on the structure and provide strengthening design and details for the secondary members and their connections that may be impacted due to removal of the siding.

- Decontamination and Demolition Plan - The decontamination and demolition plan includes the preparation of plans, drawings, and specifications for hazardous and non-hazardous material decontamination and demolition. Demolition Plan shall be prepared by a registered professional engineer in accordance with Section 23 and Section 6 of the Army Corps of Engineers (ACOE) EM 385-1-1, Safety and Health Requirements Manual (Sept 2008).

- Project organization and management practices – This plan shall include the BMP/SWMP Plan for this project and other project organization and management practices to be followed during the project.

- Site preparation and mobilization/demobilization plans – This element includes location of Contractor's on-site office transport of equipment, personnel, and facilities to and from the site, and construction/removal of temporary facilities and utilities. It also includes obtaining manifests, tolls, permits, and other documentation for mobilization/demobilization of equipment, facilities, operators, and drivers.

- Contractor Construction Quality Control (CQC) Plan - The Contractor shall prepare a CQC Plan based on the requirements of UFGS 01 45 02 NAVFAC Quality Control (Feb 2009 or current edition). When the requirements are in conflict, the Contractor shall comply with the more stringent requirements. The full-time onsite CQC Manager shall have a minimum of 10 years of construction experience and have had a minimum of 2 years of CQC experience.

- Transportation and Waste Disposal Plan (TWDP) – The Contractor shall prepare a TWDP to allow for the proper stage piling, characterization, quantification, disposal, and/or recycling of hazardous and non-hazardous liquid and solid waste resulting from asbestos abatement, lead-based paint abatement/stabilization, and miscellaneous hazardous building material (PCB-containing light ballasts, fluorescent light bulbs, mercury switches, etc.) removal activities and pressure washing activities. The Contractor shall collect and monitor surface water samples and/or rinsate samples emanating from Hangar 1 pressure wash activities to detect COCs to ensure compliance with local, state, and Federal regulations. The rinsate and waste from different activities would be stored on site in designated areas/containers for proper disposal.

- All resultant hazardous waste shall be properly documented (waste manifests) with notifications sent to the appropriate agencies with oversight by the BRAC PMO-W Caretaker Site Office (CSO) Environmental Compliance manager who will be the only

authorized signer & tracker of all manifest. Certified hazardous waste haulers shall be used in transporting the hazardous waste to an appropriate, certified landfill.

- The TWDP shall include a description/selection of an appropriate lay-down area for the siding from the exterior of Hangar 1 prior to its shipment off-site. The TWDP shall also include lay-down plans showing where material will be segregated, storage areas, Contractor's field office, etc. All resultant hazardous waste shall be properly quantified, characterized/profiled and documented (waste manifests) with notifications sent to the appropriate oversight agencies. Hazardous waste profiling shall include analyses for PCBs, lead, and asbestos content (where applicable).

- Traffic Control Plan – The Contractor shall prepare a Traffic Control Plan which shall be reviewed and accepted by LRPM before field work begins. The plan shall include provisions to close roads and to control traffic in the vicinity of the hangar, site preparation and provisions for use of access roads for construction sites or other facilities in a way as to minimize the impact on daily activities of Moffett Field community.

- Biological Hazards Abatement Plan – The Contractor shall provide a plan delineating how the issues of nesting birds covered under MBTA and other roosting birds, bird strike hazards and bird and animal scat would be addressed. The plan shall also address the biological and/or health hazard posed by (potential) animals present in Hangar 1.

- Dust Control/Air Emission Control Plan – This plan shall include dust control/air emission measures and air monitoring criteria in accordance with UFGS 01 57 19.00 20, Temporary Environmental Controls, to comply with ARARs. It shall also include pressure washing to remove the dust from Hangar.

- Electrical Vaults Protection Plan – The Contractor will develop a plan for keeping the electric vaults isolated and enclosed during the demolition process, and provide that plan to the LRPM for approval prior to the interior buildings being demolished.

- FAA Compliance Plan – The Contractor shall ensure the continuous operation of the navigation beacon as well as obstruction lights on top of the hangar in compliance with FAA regulations. The beacon as well as all other FAA lighting must be permanently placed in the appropriate location on the hangar's frame following the successful completion of all field activities. Any cranes used in the remediation process that are higher than the hangar shall have FAA compliant lighting. FAA Compliance Plan describing the process of keeping the navigation beacon as well as obstruction lights operational shall be submitted to the LRPM. Hangar 1 work must not interfere with airfield operations.

2.2.2 Sampling and Analysis Plan (SAP)

The SAP shall include a discussion of potential data gaps, pre-sampling preparation and mobilization, a sample matrix, the sampling rationale, sample Quality Assurance/Quality Control (QA/QC) protocols, data quality objectives (DQOs), sample containers, preservatives and storage, sample documentation and shipment and Data Management Plan. A more detailed description of these tasks is below. Concrete wipe samples will be collected from the floor of Hangar 1 as well as soil samples adjacent to Hangar 1 and sediment samples from storm water drainage system. A figure will also be included illustrating sample locations. Step-out soil samples will be collected for soil if COC concentrations exceed regulatory screening levels. A written RTC matrix will also be included in the final SAP. Comments from the Navy, BAAQMD, Office of Historic Preservation (OHP), USEPA, and potentially from the Santa Clara County Environmental Health Department,

and Regional Water Quality Control Board (RWQCB) may be assumed. A version of the SAP approved and finalized by LRPM should be submitted prior to commencement of field work.

- Data Gaps - The Contractor will define any data gaps relating to potential impact from COCs to the concrete floor of Hangar 1, adjacent soil areas, and sediments from storm water systems observed during a review of available background and site investigation reports. These data gaps will be addressed in the SAP in accordance with the project objectives.

- Pre-Sampling Preparation and Mobilization for Sampling - A discussion of pre-sampling activities will be included in the SAP, including boring mark-outs and utility clearances. This element also includes a discussion of the transport of equipment, personnel, and facilities to the site, including subcontractors.

- Sample Analytical Matrix - The Contractor shall include a sample matrix detailing the sample material (soil, sediment, or concrete), sample identification numbers, sample depth, laboratory analyses to be performed for each sample, analytical holding times, and the container type. There will be a minimum number of 35 sample locations on the hangar floor. The wipe samples will be collected on smooth areas of the concrete.

- Sampling Rationale and Methodology - The Contractor shall discuss the rationale for sample locations and depths, and the methodology of the concrete, sediment, and soil sampling.

- Quality Assurance/Quality Control (QA/QC) - The Contractor shall discuss the collection of QA/QC for soil, sediment, and concrete samples. QA/QC protocols will be in compliance with the Uniform Federal Policy - Quality Assurance Project Plans (UFP-QAPP) format.

- Laboratory Analyses - Soil, and sediment, samples obtained during the field activities will be analyzed by a California-state certified analytical laboratory. Laboratory analytical methods will include:

    - Polychlorinated biphenyls (PCBs) including Aroclor 1260 and Aroclor 1268 using USEPA Methods

    - Total lead using EPA Method 6010, and

    - Asbestos using California Air Resources Board 435 Method

    - Concrete wipe samples will be analyzed for PCBs and total lead only

- Data Quality Objectives (DQOs) - The Contractor shall discuss the DQOs of the SAP. These objectives will be such that the type, quality, and quantity of data gathered will support the objectives of this project.

- Sample Containers, Preservatives, and Storage - The Contractor shall discuss sample containers, and the storage of the samples during collection in order to ensure the DQOs are met.

- Sample Documentation and Shipment - The Contractor shall discuss the documentation of samples collected and the method of their shipment to the laboratory. This may

include but not be restricted to sample nomenclature, daily field sheets, and chains of custody.

- Data Management Plan - The Contractor shall prepare a Data Management plan (DMP) that discusses how environmental data will be validated, tabulated, and evaluated. Environmental data include chemical, physical, risk, hydrological, and geological information. The plan addresses the type of database used, software programs, sample tracking, and how the data will be analyzed and displayed. The Contractor shall prepare the DMP in accordance with NAVFAC SW Work Instructions.

2.2.3 Accident Prevention Plan/ Site specific Safety and Health Plan (APP/SSHP)

The purpose of APP/SSHP is to ensure that the Contractor's employees are aware of potential hazards that may be encountered associated with field activities and provide requirements to ensure safe work practices. The plan shall outline potential hazards, work areas and list control procedures, air monitoring procedures, projected levels of personal protection, personal protective equipment, decontamination and emergency plans, arrangements for weather-related problems, responsibilities and lines of authority, training, safety and health inspections, accident reporting, and responsibilities for implementing the health and safety plan. The APP/SSHP shall include Emergency Route(s), Point of Contact and location and map of area hospitals. The APP/SSHP at a minimum shall comply with Appendix A from Reference ACOE EM 385-1-1, Safety and Health Requirements Manual (Sept. 15, 2008) with latest updates, and applicable NAVFAC SW Work Instructions.

There are overlapping elements when preparing both the APP and SSHP as provided in the Navy's manual. The SSHP elements that overlap with the APP elements need not be duplicated provided each safety and health issue receives adequate attention and is documented in the APP/SSHP. The title of the plan shall be APP/SSHP and shall include all elements and sub-elements, including the AHAs (Activity Hazard Analyses), as stated in the manual. In addition, the Contractor shall comply with the requirements of the UFGS 01 35 26 (February 2009 or current edition). These guide specifications reference standards and regulations and shall be used, as applicable, in preparation of the APP/ SSHP. In addition, the current editions of applicable guide specifications UFGS 02 82 16 for the control and removal of ACM and UFGS 09 for Lead Containing Paint (LCP) will be used. During the preconstruction meeting, safety discussions, if needed, shall be conducted prior to the start of site activities and after submission of the accepted and final APP/SSHP. The objective of the meeting will be to discuss health and safety concerns or expectations that both the Navy and/or the Contractor may have related to the impending work. If safety discussions take place, the Contractor shall ensure that individuals responsible for health and safety at the project level are in attendance of the meeting.

The full-time Site Safety and Health Officer (SSHO) shall be a Certified Safety Professional (CSP) or a Certified Industrial Hygienist (CIH) with a minimum of 10 years of safety work experience and have Competent Person status in Scaffolding, Fall Protection, Health hazard recognition, and Personal protective equipment.

The APP shall include a Fall Protection and Prevention Plan to be prepared and overseen in the field by a Qualified Person for Fall Protection and in accordance with Section 21 from the ACOE EM 385-1-1, Safety and Health Requirements Manual (Sept 2008).

The erection and use of scaffolding and work platforms shall be in accordance with Section 22 of the ACOE EM 385-1-1, Safety and Health Requirements Manual (Sept 2008).

The use of cranes or hoisting equipment shall be in accordance with Section 16 of the ACOE EM 385-1-1, Safety and Health Requirements Manual (Sept 2008). Any critical lift shall be in

accordance with Section 16.H of the ACOE EM 385-1-1, Safety and Health Requirements Manual (Sept 2008).

The APP/ SSHP will provide a safe and healthful environment for all personnel involved on site as well as personnel working near the site. Compliance with the Biological Hazards Abatement plan shall be discussed in the APP/SSHP as well. The Contractor is to certify to the BRAC PMO-W LRPM that the Final APP/SSHP has been reviewed with the Contractor and each subcontractor employee prior to mobilization and start of field work activities.

A Draft, Pre-Final and Final APP/SSHP will be submitted according to the schedule, and will be printed under a separate cover from the Work Plan. The APP/SSHP shall be immediately accessible to all workers at the project site at all times during the project, and copies shall be mounted on, or located adjacent to, the Contractor's on-site Safety and Health Bulletin or available in every vehicle utilized for work under this CTO.

The Contractor shall conduct an annual review of the APP/SSHP; the AHAs shall be "living" documents in that changes in the field shall be documented and added to the AHAs as field change notices. The APP/SSHP shall be amended as appropriate and must be reviewed and accepted by the Navy LRPM, NAVFAC Command Safety Officer, and Navy and Marine Public Health Center (NMPHC) Safety Officer prior to mobilization and start of fieldwork activities.

2.3 Work Element 3 - Field Work

The Contractor shall salvage all the recyclable materials (provided it is safe and decontaminated) to minimize waste and disposal material.

2.3.1 Mobilization

The Contractor shall perform activities associated with mobilization. This element includes transport of equipment, personnel, and facilities to the site, and construction of temporary facilities and utilities as needed. This element also includes compliance with Traffic Plan and NASA construction permit for use of access roads for construction sites or other facilities in a way as to minimize the impact on daily activities of Moffett field community.

2.3.2 Utility Clearance

The Contractor shall locate the utilities above ground and perform a utility scan to search for, and locate the underground utilities. A utility clearance from USA and NASA shall be obtained before the field work can begin. The Contractor shall obtain utility drawings maps in the vicinity of Hangar 1 from NASA.

2.3.3 Implementation of Storm Water BMP/SWMP

The Contractor shall prepare a SWMP that provides measures to be implemented during construction to minimize sediments and other pollutants in stormwater discharges. The plan will identify pollutant sources for sediments that may impact stormwater quality. The SWMP will focus on site characteristics, including meteorological (climate and precipitation), vegetation, and the existing stormwater conveyance system, and construction plans, and Best Management Practices (BMPs) to be implemented for construction activities and erosion and sediment control.
The SWMP will also discuss non-stormwater discharge management, waste management and disposal, post construction controls, site inspection and monitoring, personal training, SWMP review and modification, and permitting requirements. The SWMP will include attachments for BMPs, Site Inspection and Report Monitoring Forms.

2.3.4 Biological Survey

The Contractor shall conduct a biological survey before fieldwork begins to check the presence of migratory birds covered under MBTA and/or other roosting birds nesting in the Hangar 1. The survey shall also check the presence of any animals within Hangar 1, especially if they are potential threat to the health and safety of workers. The Contractor shall work with a biologist from NASA to ensure compliance with all environmental regulations for this task. The Contractor shall also implement the measures to address birds and animal scat issue as outlined in the work plan and mitigation measures to avoid disturbance of nesting Migratory Birds and Raptors.

2.3.5 Dust Control/Air Emission Control

The Contractor shall implement dust control/air emission controls and conduct air monitoring as described in the work plan. The Contractor shall employ work practices (wet methods, etc.) and/or engineering controls to ensure that emissions as the result of this removal action comply with ARARs. The Contractor shall provide all personnel and equipment necessary to conduct air monitoring during site work activities for detection of COCs to ensure compliance with all applicable laws and regulations. The air monitoring measures shall ensure that the appropriate control measures are being implemented and air quality in adjacent buildings is controlled. This element includes monitoring for asbestos; COCs; and/or contaminated dust. Please see Asbestos Abatement Section (below) for air monitoring requirements during asbestos abatement. Applicable monitoring costs shall be included as part of air monitoring and sampling costs.

2.3.6 Abatement of Asbestos-containing Material (ACM)

The Contractor shall perform all planning, administration, execution, and cleaning necessary to safely remove ACMs from the structures located within Hangar 1 and the exterior siding of Hangar 1. The Contractor shall be responsible for providing all equipment/devices, personnel and work practices necessary for the safe and appropriate implementation of the proposed abatement activities. The asbestos abatement shall include, but not be limited to, the following:

- Notification to appropriate regulatory agencies; regulatory permits;
- Licenses and approvals;
- Worker health and safety programs;
- Air monitoring (personnel, perimeter, and clearance (as needed);
- Construction of temporary negative pressure containments, barrier/decontamination enclosures;
- Preparation for abatement operations;
- Removal of existing/identified ACMs;
- Appropriate transportation and disposal of waste ACMs; decontamination and cleaning of work areas;
- Application of lockdown encapsulates;
- Removal of temporary negative pressure containments and barrier/decontamination enclosures;

- Final job close-out documentation.

For the base bid, quantities of the identified ACMs within the interior structures are approximately as follows (based upon the July 2002 Benchmark Asbestos Survey Report):

- Vinyl Floor Tile: 14,800 square feet
- Thermal System Insulation (TSI): 7,600 linear feet
- Asbestos-containing Plaster (on ceilings): 2,800 square feet
- Asbestos-containing Surfacing on Wallboard:7,300 square feet
- Roofing over Fleet Aviation Special Operational (FASO) Building Roofing Material: 15,000 square feet
- Fire Doors: 60
- Transite: 250 square feet
- Exterior Siding: 700,000 square feet (independent estimate, not from 2002 Benchmark Asbestos Survey Report)
- Exterior Roofing Materials: 95,000 square feet (independent estimate, not from 2002 Benchmark Asbestos Survey Report)

The TSI, asbestos-containing plaster, and asbestos-containing surfacing on wallboard shall be removed as Class I abatement work. The exterior siding, vinyl floor tile, interior and exterior roofing materials, and Transite shall be removed as Class II abatement work.

The Contractor shall perform the structure removal activities including removal of existing structures (e.g., existing buildings and facilities within Hangar 1 as well as the hangar roof, exterior catwalks and planks on interior catwalks, and ceiling) after completion of abatement activities.

2.3.7 Removal and Proper Disposal of Equipment, Furniture & Furnishings (except items that NASA has tagged for reuse)

The Contractor shall remove and properly dispose of all the equipments, furniture and furnishings within Hangar 1 as well as the primary and auxiliary systems that include components such as piping, pumps, instrumentation, and shielding after completion of asbestos abatement. The items tagged for reuse by NASA must be decontaminated.

The Contractor shall also remove specialty items such as visual display boards, bathroom partitions and compartments, heating/ventilation/air conditioning units, refrigeration units, thermostats, and exit signs and dispose of them appropriately in accordance with the TWDP as stated in the Work Plan. The Contractor shall also remove any specialized equipment and building features such as shop equipment and dispose of them appropriately in accordance with the TWDP as stated in the Work Plan.

2.3.8 Capping of Utilities

Utilities (above and underground) including Sanitary Sewers, Gas, Heat, Water and others will be capped and abandoned in place (except the storm drain system and the medium-voltage 12kV power distribution system) unless otherwise noted in this SOW. Remove existing utilities and

terminate in a manner conforming to the nationally recognized code covering the specific utility. The Contractor shall ensure that the existing sump pumps inside the tunnel and electrical vault #5 at Hangar One are kept operational throughout the project and repair if necessary to prevent flooding from the rain or other sources. The Contractor shall ensure that abandonment and disturbances to utilities not cause a failure in storm drain and power distribution systems. Planned outages must be approved by the ROICC and coordinated with on-site personnel.

2.3.9 Demolition, removal and proper disposal of all Interior Buildings

For this element, it is assumed that all ACM abatement as defined under abatement section above is complete and the interior buildings are decontaminated from ACM material. However, there will be material that has lead based paint such as the painted surfaces.

This work element involves demolition of all interior buildings of the hangar including demolition of the non structural flooring for level 2 and 3, all non structural walls including metal and wood studs and sheet rock for all 3 levels, all electrical and mechanical equipments associated with the buildings and all redwood planks at the inside catwalks.

The buildings in the spaces between the A-frames typically have light structures consisting of gypsum sheathing on studs or steel angles and two-story tall structures with terra-cotta tile walls. All of these structures shall be removed to the top of the concrete.

The mezzanine floor has structural steel framing and plates that are considered to be part of lateral resisting system and shall not be removed. The concrete structures consisting of the transformer vaults and toilets shall not be demolished.

The Contractor shall not use the existing catwalks or other existing means of access for field work.

All surfaces of the first floor shall be cleared after the demolition. The demolition of the walls and floors shall be carried out so as not to cause any damage to the main structural system of the Hangar and shall be consistent with all the applicable regulations.

The Contractor shall remove items such as elevators, lifts, inside catwalk planks, outside catwalks, doghouses, dumbwaiters, and other systems to convey people, material, and equipment from one location to another and dispose of them appropriately in accordance with the TWDP.

The Contractor shall remove all man-cranes and preserve for possible donation to the Hangar 1 museum.

The Contractor shall remove all the doors (including the main entrance doors, but excluding the clam shell doors) and windows in Hangar 1 in accordance with the work plan. If any of this material is confirmed to contain COCs or other hazardous materials, it will be disposed of appropriately in accordance with the TWDP. This element also includes miscellaneous removal costs such as hinges, glazing, screens, locks, doorstops, bumpers, and similar items.

The Contractor shall perform dismantling and/or demolition of non-usable and non-hazardous debris emanating from the demolition of the interior structures within Hangar 1 in accordance with the TWDP.

2.3.10 Pressure wash all structural steel members, concrete slab, and storm water collection system of Hangar 1

The purpose of pressure wash is to control the dust as well as to ensure that none of the contaminated dust is left behind. The Contractor shall be responsible for utilizing the proper

equipment, personnel and work methods to successfully pressure wash all remaining structural steel members, the concrete slab and floor striping of Hangar 1, and the storm water collection system to the extent that no surface impediments (dirt, dust, particulates, etc.) are left on the washed surfaces.

The Contractor shall study and wash the storm water/sewer systems in and around Hangar 1 that collect, redirect, and transport storm water, and/or resultant rinsate from proposed pressure washing activities at Hangar 1, to a central treatment plant. This element includes piping, valves and fittings, instrumentation and controls, pumps, manholes, and other appurtenances.

The Contractor shall construct sediment barriers to control the amount of sediments that are suspended and transported by the flow of potentially contaminated surface water during construction/site work activities (i.e. wash down of Hangar 1 interior). These activities might include silt fencing, installing straw bales, pumping, and excavating/grading temporary sediment basins.

The Contractor shall check with the local sewer district regarding the sewer district's capacity in relation to anticipated rinsate and sediment volumes from Hangar 1 pressure wash activities as well as the sewer district's effluent standards if it's decided to utilize the Publicly Owned Treatment Works (POTW) for disposal purposes.

The Contractor shall sample and monitor surface water samples and/or rinsate samples emanating from Hangar 1 wash down activities to detect potential COCs to ensure compliance with local, state, and Federal regulations during site work activities.

2.3.11 Removal of siding, redwood ceiling and roofing from Hangar 1

The Contractor shall remove the siding from the hangar sides/walls. Minor local repairs shall be performed as needed for some local areas that are connected to the structural frames. The redwood ceiling and the roofing shall also be removed. The outside catwalks shall be removed as well. All the removed material shall be classified and disposed off properly in accordance with the TWDP.

2.3.12 Replacement and/or addition of structural steel members

The Contractor shall replace and/or add structural steel members to strengthen and or provide bracing for the secondary members after removal of the siding as required by analysis and per the recommendations in the Structural Analysis & Gravity, Seismic & Wind Study (see references). For base bid assume 11 ton of structural steel angles (1300 ft) with connections as required.

2.3.13 Segregation, classification and disposal of all generated wastes (including rinsate from pressure wash) to approved off-site facilities to comply with ARARs

The Contractor shall stage pile and characterize waste appropriately, load and haul hazardous and non-hazardous waste (siding, roofing, trash, stockpiled material, etc.) and other debris for disposal in accordance with the TWDP and all environmental laws and regulations. Waste soil and debris will be transported to a designated location within the site where they shall be properly classified and categorized. Off-site disposal will comply with RCRA, TSCA and will be performed by an experienced, certified Transportation and Disposal Contractor.

The Contractor shall prepare, obtain, and maintain certifications and permits (including drivers' licenses) needed to ship and transport equipment/material to storage/treatment/disposal locations in accordance with the TWDP. This element also includes packaging, loading, unloading, and hauling waste for short distances.

The Contractor shall pay the costs, fees and taxes to dispose of the categorized hazardous and non-hazardous waste at a certified off-site facility. The disposal facility shall be located outside of Moffett Field property.

2.3.14 Coating surfaces of the Remaining Structure

The Contractor shall perform a coating condition survey (CCS) of the existing paint prior to the design of the new coating for the project. The Contractor shall use qualified personnel and The Society of Protective Coatings (SSPC) standard TU 3 for the CCS and the coating design.

Based on the CCS, the Contractor shall select the coating based on the performance and the life cycle cost identified.

Additionally, NAVFAC design policy letter DPL-09B-0001, Lead Containing Paint, dated March 26, 1992, shall be complied with.

The Contractor is to coat the entire Hangar 1 existing steel framing surfaces including the joints and connections with a non-combustible, protective coating that will provide corrosion protection of the exposed steel structure for a minimum of 10 years. Interior concrete buildings that are to remain will be coated with a similar protective coating as well. The coating shall be non-combustible and weather resistant; shall encapsulate the PCBs and the coating color is to match as closely as possible to the original hangar siding to minimize the visual changes caused by the implementation of this alternative. All new steel framing that may be added and the 2nd floor steel plate used as diaphragm will receive the same coating. The steel plates and grating used for covering utilities (manhole covers, etc.) and the composite metal decking at the ceilings of the toilets, if painted, shall receive the same coating as well.

The painting cost shall include all costs of material, permitting, engineering of the temporary structures and their support, equipment rental and the protection required for complying with the applicable environmental regulations.

The applicators shall be certified by SSPC as QP1, QP2 and C33.

2.3.15 Implementation of measures to comply with MBTA, abate Bird Strike and animal hazards, etc.

The Contractor shall abate any Bird Strike hazard resulting from the work in accordance with FAA regulations CFR 14 (including sections 139 and 77). In case of inadequate expertise, the Contractor shall consult an FAA certified qualified airport wildlife biologist for guidance. The qualified airport biologist shall review building plans to assure conformance with specifications listed in FAA Advisory Circulars. The qualified airport biologist will assist in review of FAA form 7460-1 “Notice of Proposed Construction or Alteration.” The biologist will then make recommendations to minimize the attractiveness of the structure for wildlife to alleviate bird hazards at the Hangar 1.

The Contractor shall comply with MBTA, and abate other biological hazards (including potential safety concerns from presence of animals in the hangar) in accordance with the Biological Hazards Abatement Plan, The Contractor shall require the workers to take the wildlife awareness training or attend a briefing provided by the NASA Environmental Services Division to avoid putting NASA at risk of violating its Biological Opinion and Burrowing Owl Management Plan.

The Contractor shall work with a biologist from NASA to relocate any wild life inhabiting the hangar and for traps to be set inside Hangar 1 at least four months before the start of field work.

2.3.16 Confirmation Sampling

Following the removal work, the Contractor shall conduct confirmation sampling and analysis of soil around the perimeter of Hangar 1, stormwater sediment samples in the conveyance system and concrete (wipe samples) on the floor of Hangar 1 to ensure that no PCBs have remained there. This includes sampling the soil areas using soil borings adjacent to Hangar 1; wipe samples of concrete floor and cleanout and sampling of stormwater conveyance system adjacent to Hangar 1. If the stormwater sediment samples contain PCBs, the sample would be disposed of and the cleaning and sampling process shall be repeated. For off-site sample analysis, it is assumed that the samples need to be packaged and delivered/transported to a USEPA-certified laboratory. The Contractor shall implement the USEPA approved total QA program designed to ensure the reliability of samples and their analytical results. The Contractor shall collect and dispose of the rinsate and waste derived from the sampling and analysis processes during site work activities. This material shall be disposed of in accordance with the TWDP.

2.3.17 Remove Hangar 1 Interior Lighting, Power Distribution and Communication System Equipments

- Interior Lighting - The Contractor shall demolish and properly dispose of all fluorescent and incandescent lighting in the interior buildings and all high bay illuminating devices in the hangar including all wiring, conduit and appurtenances. The lighting supported off the hangar structure shown on as-built drawing AM4-0001-E57 consisting of approximately 488 fixtures labeled Fixture Nos. 35, 36, 37 and 38 will be demolished, along with its supply wiring and conduit. Control of these vapor proof 500-watt, 1000-watt and 1500-watt hangar interior lighting fixtures was designed in August, 1932 to be controlled from “on” and “off” push button control stations on the west side of the hangar. These push button control stations shall be demolished. The Contractor may use the 50 high bay cable-supported pendant mounted lighting fixtures in the southeast quadrant of the hangar, as well as the seventeen 1000-watt, 220V Wilson Widelight mercury flood lights located on the mezzanine deck during demolition for temporary lighting as may be appropriate before demolishing. According to as-built drawing numbered AM4-0001-E73, the floodlight fixtures on the mezzanine level are powered from 100A, 3-pole breakers mounted in the power vault nearest to the center light of each circuit. All of these breakers and associated raceway and wiring are to be demolished and salvaged, if possible. Power and controls will be removed back to the source or to the nearest electrical vault, whichever is the furthest point source.

  The following fixtures shall be removed:

  - The Contractor shall check all ballasts and battery packs to ascertain their potential for containing PCBs and/or other hazardous materials as necessary. The approximate numbers of lights within Hangar 1 are as follows:
  - Lights on the Hangar 1 interior steel superstructure:
  - 488 ceiling-mounted lights
  - 17 flood lights
  - 47 pendant lights hanging in the southeast interior portion of Hangar 1

- Primary Power and Vaults - The existing underground power distribution is a 12kV, 3-phase, 3-wire system originating at six perimeter manholes outside the footprint of the Hangar. These manholes are the source for 12kV power coming into the hangar

underground to six different vault locations. These vaults were upgraded in the 1990 time frame with the work done at that time reflected in the as-built drawings. Refer to as-built drawing AM45---0001-E133 for the electrical system one-line diagram.

It is the intent of the project to preserve all existing hangar underground distribution and these six vaults in their current locations while demolishing all interior building systems. These vaults will be maintained as the source of power for future reuse of the hangar. These vaults contain high-voltage equipment and therefore must be kept totally enclosed, labeled with appropriate signage, and kept locked to limit access to only those that are qualified practitioners. The roof and perimeter walls including all conduit penetrations going into and out of these six vaults must be water-proofed to ensure that during the pressure wash that water does not leak into the electrical equipment inside. The Contractor shall develop a plan for keeping these spaces isolated and enclosed during the demolition process, and provide that plan to the LRPM for approval prior to the interior buildings being demolished.

Since primary power inside the hangar is not routed to other exterior buildings, there will be no need to remove or reroute existing 12kV electrical feeders.

- Fire Alarm and Detection - The Contractor shall demolish all fire alarm and detection system equipment as well as initiating and notification devices inside the interior buildings and hangar, including associated conduit and wiring. This demolition work will include main fire alarm panel, interface panels, Notifier sprinkler pre-action control panel and Pyrotronics – System 3 Fire Alarm Control Panel in the Trainer Complex and all devices (i.e., pull stations, horns, sirens, bells, red location lights, radio transmitter, antenna, etc.). Batteries associated with the various fire alarm panels may contain PCBs and will be appropriately demolished. Coordinate battery removal and demolition with the Remediation Contractor.

- Secondary Power (i.e. less than 600V) Distribution and Equipment - The Contractor shall demolish power distribution, conductors and grounding, electrical boxes and wiring, controls, motors, starters, panelboards, switchboards, switches, dry-type transformers, and other electrical specialty and miscellaneous items inside the interior buildings and off the hangar structure. All abandoned secondary feeders and branch circuits except the six vaults to power equipment and devices on the hangar structure shall be completely removed. The Contractor shall demolish all branch-circuit wiring and feeders to mechanical and electrical equipment including but not limited to panels, welders, cranes, motor-generator sets and other devices located inside the interior buildings and throughout the hangar. The only exceptions to the above are as follows: 1) power must be maintained to the obstruction lights (3 locations) and the rotating beacon on the top of the hangar, 2) power must be maintained to the sump pump that routes water to the west aquifer treatment area, and 3) power must be maintained to the north hangar door motor for operating the rail-mounted door (It is our understanding that the south door cannot be opened so power need not be maintained to its door motor). If there are any questions regarding source power to equipment, these questions will be coordinated with the ROICC to determine whether power should be removed.

  The Contractor shall remove the four power stanchions on the east side of the hangar as shown on as-built drawing M4-0001-E38.

- 400 Hertz Motor-Generator Sets - The Contractor shall remove 400 hertz motor generator sets “A”, “B”, “D” and “E” that are powered out of Vault #1, and coordinate with the ROICC on whether to salvage or return to the Navy. Also, remove and salvage 400 hertz selector switches, isolation transformers and all 400-hertz associated wiring

and conduit. Refer to as-built drawing AM4-0001-E96 (Sheet E-2) single-line diagram for connections and AM4-0001-98 (Sheet E-4) and AM4-0001-E99 (Sheet E-5) for equipment locations. If other motor-generator sets exist elsewhere in the hangar, they shall be removed and salvaged as well. This includes the 4 Peltons (2 at the north end and 2 at the south end of the hangar). The Contractor shall dispose of these equipments appropriately and in accordance with the TWDP as stated in Section work plan in this document.

- Telephone System - The Contractor shall demolish all telephone system raceway, wiring and equipment within the interior buildings and throughout the hangar.

2.3.18 Airfield Beacon and FAA Airfield Obstruction Lights

During the remediation process, the airfield beacon and airfield obstruction lights shall be kept operational per Federal Aviation Administration (FAA) requirements. The rotating beacon and obstruction lights must be permanently placed at or near their existing location on the hangar's frame following the successful completion of all field activities. The Christmas star shall be removed, protected and reinstalled at the completion of this project. Any cranes used in the remediation process that are higher than the hangar shall have FAA compliant lighting.

The antennas on the Hangar's roof area shall be removed.

It is not the intent of this contract to upgrade either the existing rotating beacon or the FAA obstruction lights (3 locations). However, if the 400-watt metal halide lamps inside the FAA L-802A rotating beacon become damaged/dysfunctional during the removal action, they shall be replaced. Likewise if the obstruction lights (3 locations) get damaged during their temporary removal and reinstallation, they shall be replaced with energy saving LED type L-810 obstruction lights.

2.3.19 Decontamination

The Contractor shall locate all surface contamination on walls, floors, and equipment; and treat, stabilize, or remove all contamination using techniques such as chemical extraction, coatings, lasers, physical methods, thermal methods, vacuuming/blasting, and washing as delineated in the Work Plan.

2.3.20 Site Cleanup

The Contractor shall perform cleanup activities consisting of general area cleanup, scat removal, removal of non-hazardous trash and debris, and washing or sweeping of roads and parking lots as a concluding activity in a project or program.

2.3.21 Demobilization

The Contractor shall return the rental equipment to the rental facility and transport personnel back to their permanent place of residence. This element provides for all work associated with removal of temporary facilities, utilities, equipment, material, and personnel.

2.4 Work Element 4 - After Action Report

Prepare a draft, pre-final, and final After Action Report (AAR) that summarizes all the removal actions that were performed. The purpose of the report is to state all actions were taken, that Hangar 1 is protective of human health and the environment, and that the confirmation sampling results indicate that the action has been completed. Federal, State, and BRAC PMO will review and comment on the draft and pre-final versions of the report. The Contractor shall address all comments and the LRPM will have final approval on all Contractor response to comments.

2.5 Work Element 5 - Optional Tasks

Option 1: Excavate and Properly Dispose of Contaminated Soil/Sediment

Excavate and properly dispose of contaminated soil in adjacent areas of Hangar 1 if soil sampling and analysis results indicate that the soil contains PCBs greater than TSCA requirement of1,000 µg/L for residential use. This option should be priced per unit (cubic yard). Backfill excavated soil with clean fill that is similar in composition to native soil.

Option 2: Decontaminate All of the Exterior Windows and Frames From All COCs

Following the abatement and decontamination, the windows and frames shall be saved and cataloged for possible future reuse.

SECTION 3 – SPECIAL CONDITIONS

- All requirements of the basic contract, in addition to those specifically mentioned in this SOW, remain in full effect and performance under this SOW shall be in accordance therewith.

- The Contractor shall obtain approval from the Activity POC prior to obtaining photography records, still or motion picture and/or aerial or ground photographs, in accordance with Public Law: 18 U.S. Code 795 and applicable station regulations. The Government may provide a representative to act in an advisory capacity to prevent unauthorized disclosure of classified information.

- Photographs shall be taken of the site(s) to record progress before, during and after fieldwork occurs. Government shall have final possession of any photographic negatives via the Final Report(s)/Deliverable(s).

- At a minimum, there will be a weekly Production/ Quality Control meeting between the Contractor and the ROICC.

- Public Affairs – The Contractor, or any of the subcontractors and their employees, shall not disclose any data resulting from actions in this contract to the news media or public. The Contractor shall refer all press or public contacts to the Activity POC and shall notify the LRPM of their actions. The Contractor may not distribute reports or data to any other source, unless specifically authorized by the Public Affairs Officer in accordance with NAVFAC Instruction.

- Any oral directions, instructions, explanations, commitments and/or acceptances given by any government employee to the Contractor or his personnel, shall not be construed by the Contractor as a change in scope to this SOW. Any change in scope of work must be issued to the Contractor, in writing, by the Contracting Officer in order to be binding on the government.

- The Contractor's project manager shall notify the LRPM, in writing or by phone, when each field sub-work element is about to commence.

- The Contractor shall provide copies of all correspondence to the LRPM.

- The Contractor shall, as a minimum, brief the LRPM once per week as to the progress and status of the project.

- The Contractor shall make every effort to prevent the spread of contamination or release of contaminants to the environment in accordance with federal, state, and local laws, regulations and instructions.

- Deliverables shall contain a brief responsiveness summary, as appropriate, indicating how each Government/regulatory comment was addressed.

- Forward all deliverables to the LRPM.

- The Contractor shall not incorporate his Government review comment response(s) into any Final Report unless the LRPM has indicated, in writing, that the Contractor's response appropriately addresses the government review comments.

SECTION 4 – REFERENCE SECTION

General References

- Engineering Evaluation/Cost Analysis, Revision 1, Installation Restoration Site 29, Hangar 1, Former Naval Air Station Moffett Field, Moffett Field, California, July 2008.

- Action Memorandum, NTCRA for the PCB Contamination at IR Site 29, December,2008

- 29 CFR 1910.120 (Hazardous Waste Operations and Emergency Response)

- Structural Analysis & Gravity, Seismic & Wind Vulnerability Study, NAS Moffett Field, Moffett, California, July 2008.

- EM 385-1-1 US Army Corps of Engineers Safety and Health Requirements Manual (September 2008)

- Navy/Marine Corps Installation Restoration Program Manual

- UFP-QAPP Manual Hangar 1, Former NAS Moffett Field, Moffett Field, California, August 2008.

- Assessment of Adverse Effects to the United States Naval Air Station Sunnyvale, California, Historic District from the Recommended Site 29 Removal Action Alternative, July 25, 2008.

- Uniform Federal Policy for Quality Assurance Project Plans, March 2005

- Hangar One Drawings (Y&D Number 112201 – 112250), 1931

- Documents drawings

- Electrical as-built drawings AM4-0001-E1 through AM4-0001-E135

- Asbestos Survey Report, Hangar 1 (ID: Building 1), NASA-AMES (PAI Corporation), Moffett Field, Mountain View, CA: Benchmark Environmental Engineering, July 30, 2002

- Polychlorinated Biphenyl, Lead & Asbestos Report, Hangar 1/Moffett Field, NASA-AMES, Moffett Field, Mountain View, California: Benchmark Environmental Engineering, January 9, 2003

- DMJMH+M, Letter Report and Summary of Hangar 1 Environmental Sampling, Moffett Field, California, May 2003

References for Asbestos

Asbestos Hazard Emergency Response Act of 1986
Occupational Safety and Health Administration (OSHA), U.S. Department of Labor

- 29 CFR 1910 (General Industry) and 29 CFR 1926 (Construction) Occupational Safety and Health Standards

- 29 CFR 1910.1001 and 29 CFR 1926.1101 Asbestos
- 29 CFR 1910.134 Respiratory Protection
- 29 CFR 1910.1200 Hazard Communication
- 8 California Code of Regulations(CCR) 1529 Asbestos in Construction

U. S. Department of Transportation

- 49 CFR 171 Subchapter C, Hazardous Materials Regulations
- 49 CFR 172 Subchapter C, Shipping Container Specifications

U.S. Environmental Protection Agency

- 40 CFR 763, Toxic Substances Control Act; particularly Subpart E, Asbestos Containing Materials in Schools
- 40 CFR 61, Sub-parts A and M, National Emission Standard for Hazardous Air Pollutants (NESHAPS)
- Bay Area Air Quality Management District (BAAQMD) regulations.

References for Lead-based Paint

- U.S. and State of California Environmental Protection Agency (EPA and Cal/EPA) regulations.
- Residential Lead-Based Paint Hazard reduction Act of 1992 (Title X)
- Bay Area Air Quality Management District (BAAQMD) regulations.
- California Department of Health Services - Division of Occupational Safety and Health Administration (Cal-OSHA).
- The State of California Department of Public Health (DPH) regulations.
- Title 17, CCR, Division 1, Chapter 8, Accreditation, Certification, and Work Practices For Lead-Based Paint and Lead Hazards.

References for Misc. Hazardous Building Materials

- U.S. Department of Transportation 49 CFR, parts 173, 178, and 179.
- National Institute for Occupational Safety and Health (NIOSH) standards.
- Department of Transportation (DOT) Title 49, Code of Federal Regulations (CFR), Part 173, Subpart J.
- Environmental Protection Agency (EPA) Title 40, CFR, Parts 261, 262, 263, 264, 268 and 761
- Federal Occupational Safety and Health Administration (OSHA) Title 29, CFR, Part 1910.
- National Electric Code (NEC).

SECTION 5 – CONTRACT ADMINISTRATION DATA

POINTS-OF-CONTACT:

- Lead Remedial Project Manager (LRPM):

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- Activity Point of Contact (POC):

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- Resident-Officer-In-Charge-Of-Construction (ROICC):

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  Moffett Field, CA 94035-0068

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SECTION 6 – SCHEDULE MATRIX

DELIVERABLE	LRPM	ACTIVITY	ROICC	REGULATORY AGENCY	DUE DATE
Draft Work Plan (with supporting plans)	5	2	2	4	Draft – 60 days after award
Pre-Final Work Plan	5	2	2	4	120 days after award
Final Work Plan including Response to Agency Comments (RTC)	5	2	2	4	180 days after award
Draft AAR	5	2	2	4	Draft – 60 days after completion of field work
Pre-Final AAR	5	2	2	4	90 days after completion of field work
AAR with RTC's	5	2	2	4	Final – 120 days after completion of work

7 – PERFORMANCE SECTION MEASUREMENT AND PAYMENT SUMMARY

Within the table the tasks have been rolled up under each Work Element so as to avoid repetition of the text. Performance measurement and payment will however be made at the task level. The Contractor's proposal and invoice shall therefore be broken out by task.

Work Element / Task	Performance Standard	Acceptable Quality Level	Assessment Method	Performance Payment and Incentive
Section 2.1- Project Management and Meetings	Accurate and timely cost and schedule management.	Subjective	Navy performance evaluations	Lump sum payable monthly as a percentage of completion of each task. CCASS evaluation.
Section 2.2 Plans	Navy acceptance of deliverables (no resubmittal required due to inadequate content or poor quality). The Work Plan, SAP and APP/SSHP, including all attachments, shall include sufficient information to implement the effort to meet the scheduled milestones for the project, with detail regarding the field work to be accomplished. The Work Plan, SAP, and APP/SSHP must be clearly written, and have minimal transcription, typographical, and grammatical errors. The Health and Safety Plan must be accepted by NFECSW and comply with all applicable codes, standards, and regulations (including the NCP).	100% Navy acceptance	Navy acceptance by Contracting Officer (KO) or Lead Remedial Project Manager (LRPM); acceptance by ROICC and CSO.	Lump sum payable as a percentage of completion through submission of deliverables to Navy with the following milestone limits in the payment schedule: 30% of the proposed task cost at distribution of draft, 30% of task cost upon acceptance and distribution of pre-final document by KO or LRPM, ROICC, and CSO, and 40% of task cost upon acceptance and distribution of final document by KO, LRPM, and project schedule.
Section 2.3 Field Work	Completion of all Section 2.3 requirements. Factors that influence Navy acceptance include timeliness, completeness and accuracy. Environmental considerations, in particular dust mitigation measures must be adequately maintained at all times, particularly in	100% Navy acceptance	Navy acceptance by Contracting Officer (KO) or Lead Remedial Project Manager (LRPM); acceptance by ROICC and CSO. Spot visits by	Lump sum payable pro-rated as a percentage of task completion.

Work Element / Task	Performance Standard	Acceptable Quality Level	Assessment Method	Performance Payment and Incentive
	dry and windy weather conditions. Completion of work with no health and safety incidents. Documentation shall be accurately documented and meet SAP requirements for QA/QC procedures.		Navy, review of field logs and documentation submitted in support of work.	
Section 2.4 After Action Report	Navy acceptance of deliverables (no resubmittal required due to inadequate content or poor quality). The AAR should clearly outline the site characteristics. It must be clearly written, and have minimal transcription, typographical, and grammatical errors.	100% Navy acceptance,	Navy acceptance by Contracting Officer (KO) or Lead Remedial Project Manager (LRPM); acceptance by ROICC and CSO.	Lump sum payable as a percentage of completion through submission of deliverables to Navy with the following milestone limits in the payment schedule: 30% of the proposed task cost at distribution of draft, 30% of task cost upon acceptance and distribution of pre-final document by KO or LRPM, and 40% of task cost upon acceptance and distribution of final document by KO, LRPM, and project schedule.

AMENDMENTS 01-10

AMENDMENT 10 – DATED 22 JUNE 2009

A. The Request for Proposal due date has not changed.

B. The following clarifications and changes are incorporated into the RFP:

1. **Question:** Please clarify the Government's understanding of "Construction" for bonding purposes.

   Answer: The Government's definition of "Construction" can be found in **FAR 2.101**:
   "Construction" means construction, alteration, or repair (including dredging, excavating, and painting) of buildings, structures, or other real property. For purposes of this definition, the terms "buildings, structures, or other real property" include, but are not limited to, improvements of all types…" (see clause for full definition).
   In terms of the environmental remedial contracts, the Government considers actions such as excavation, asbestos clean-up, hauling away of contaminated water or soil, as well as treatment in place via a variety of processes meets the definition of "improvements of all types" for "buildings, structures, or other real property."

2. **Question:** What is the intent when the Navy adds this statement to their pricing sheet: "Bonds are required for the Construction portion of this contract and the bond cost is a reimbursable item. Incorporate, where appropriate, the cost for bonds within the breakdown." The statement seems to be in conflict with FAR 52.228-15 --Performance and Payment Bonds -- Construction (Nov 2006) which requires bond(s) to be 100% of the contract value.

Answer: The Contracting Officer **only** requires the portion of work considered "Construction" to be bonded. FAR clause 52.228-15 is for the bonding of Construction contracts only. For this action only, the FAR clause is revised as follows:

FAR 52.228-15 -- Performance and Payment Bonds -- Construction (Nov 2006)

(b) Amount of required bonds. Unless the resulting contract price is $100,000 or less, the successful offeror shall furnish performance and payment bonds to the Contracting Officer as follows:

(1) Performance Bonds (Standard Form 25). The penal amount of performance bonds at the time of contract award shall be **100 percent of the construction price** of the original contract price.

(2) Payment Bonds (Standard Form 25-A). The penal amount of payment bonds at the time of contract award shall be **100 percent of the construction price** of the original contract price.

(3) Additional bond protection.

(i) The Government may require additional performance and payment bond protection if the contract price is increased. The increase in protection generally will equal **100 percent of the construction price** of the increase in contract price.

(ii) The Government may secure the additional protection by directing the Contractor to increase the penal amount of the existing bond or to obtain an additional bond.

3. **Question:** Does the Navy expect the contractor to bond all work that is subject to Davis-Bacon prevailing wages, which would include asbestos abatement, a demolition activity, or only that portion of the project where there would be "pure" construction such as adding steel members to the existing frame of the building? If the latter, would the Navy provide that written direction and define how it would be implemented to be consistent with the existing FAR clause?

   Answer: Yes, the Navy expects the contractor to bond all work that is subject to Davis-Bacon wages. Bonds should be provided in accordance with the definition for Construction stated in answer #1 above. See answer #2 above regarding the FAR clause revision.

4. **Question:** It does not appear that removal of whole window systems will be feasible based on the as-built drawings for the window systems and supporting structures. The window framing consists of building structural framing installed in a manner that allows the window panes to be mounted in a similar fashion to that of the siding, i.e., to the building's structural frame. Therefore, window frames cannot be removed intact as currently planned and refurbished for installation at a later date. In addition, many of the window panes are broken and cannot be salvaged. We suggest that the Navy redefine the objective for this optional bid item. A potential alternative includes leaving the window frames intact in-place, and removing and decontaminating the individual window panes for storage on site and re-installation later by others.

   Answer: For Option Item 02, the contractor is to remove the architecturally significant window panes, decontaminate these panes, and provide these panes to NASA for later reuse by NASA. The existing window frames are to be removed from the structure without damaging the building structure. The existing window frames are not to be salvaged and or decontaminated, unless they can be removed without damaging the window frames. NASA will be responsible for coming up with a plan to reuse/re-install the architecturally significant window panes during their reuse plans for Hangar 1. It is not the responsibility of the contractor to come up with a plan to reuse/re-install these window panes under this contract option.

5. **Question:** In Addendum #5 Question #13 the issue of removing the crane rails was answered as a yes. This represents a considerable cost to the Government and we ask this be further reviewed.

   Answer: This item has been reviewed and the answer remains yes, the crane rails need to be removed as part of the removal action as described in the scope of work.

6. Question: We previously reviewed the bid closing date of 7/6/09 as representing a possible issue as it follows the July 4th weekend and such may impact last minute pricing from vendors and specialty contractors. Has this been reviewed by the Government?

Answer: Yes, the Government has reviewed the date for the proposal due date carefully. The Government considers the more than 12 weeks that has been given for the preparation of proposals to be more than adequate to prepare a reasonable proposal and have it submitted to the BRAC office by the deadline, regardless of the holiday weekend. Also, companies are welcome to coordinate submitting their proposal prior to the deadline with Maryann Hough in order to ensure they are received and secured.

AMENDMENT 09 – DATED 21 MAY 2009

A. The Request for Proposal due date has changed from May 26, 2009 to July 06, 2009 at 2:00p.m. (PST).

B. The following clarifications and changes are incorporated into the RFP:

1. Add "2.3.1.B: Preconstruction Sampling for PCBs, Lead and Asbestos" **to** Section 2.3 Work Element 3 – Field Work**:**

2.3.1.B. Pre-construction Sampling for PCBs, Lead, and Asbestos
Conduct sampling (air, soil/sediment, water) for PCBs, lead, and asbestos in areas adjacent to Hangar 1 prior to commencement of Hangar 1 field work as described in Work Element 3. The objective of this sampling is to establish baseline concentrations of lead, PCBs, and asbestos and to demonstrate that these contaminants are not the result of lack of containment of contaminants during field work. The results of pre-construction sampling will be compared to confirmation sampling to demonstrate that no releases of contaminants into the environment occurred as the result of conducting the removal action.

2. Question: Is a 10-year "warranty" for the protective coating required?
Answer: No, a 10-year "warranty" is not required, but the protective coating must meet the requirements of Section 2.3.14.

AMENDMENT 08 – DATED 19 MAY 2009

A. The Request for Proposal due date is unchanged.

B. The following clarifications and changes are incorporated into the RFP:

1. Revise the response to Amendment 02, Item B, #1:
Delete the second sentence in the answer "The Navy expects a warranty to be good for a minimum of 10 years per the scope of work."

2. Question: Addendum 3 included PCB analysis for paint samples that were collected from the hanger interior. One such sample was collected from "Wall 12E" and was reported as containing 13.1 mg/kg of PBC. (This one of the metal panel walls that act as the demising wall between the office areas and the main hanger area). The sampling protocol identified the total level of PCB, which at 13.1 mg/kg is under the regulatory limit of 50 mg/kg. There is no sampling analysis provided in the bidding documents for soluble (STLC) PCB's for which the regulatory level is 5 PPM. Question 5 in Addendum 4 asked about STLC analysis. The answer given was to see Addendum 3 item C # 3. This does not address the issue of the specifications not providing STLC analysis for the paint covering metal panel walls. In order to properly characterize the metal panel walls for salvage or disposal we need an STLC analysis. Can the Navy provide this data or clarify the characterization of the metal panel walls for salvage or disposal?

Answer: The Navy is not aware of an available STLC analysis for the paint covering the metal panel walls. Contractors will need to do this characterization for hazardous waste management during the field work.

3. Question: Is there any cleanup standard established for lead on concrete surfaces?

Answer: The clean-up standard for lead on concrete surfaces via confirmation wipe sampling will be 40 ug/sq.ft. This standard is from the EPA TSCA 403 and is considered an accepted approach by EPA for carpeted or bare floors.

AMENDMENT 07 – DATED 14 MAY 2009

A. The Request for Proposal due date is unchanged.

B. The following clarifications and changes are incorporated into the RFP:

1. Question: Is RESTEC being identified as a source that bidders may contact for additional technical information concerning the coating?

Answer: Yes.

2. Question: Since RESTEC "played a key role in assisting (the Navy) with the coating alternatives and pricing" used to develop the scope of work for this solicitation, are they disqualified from performing as a subcontractor on this project due to a conflict of interest?

Answer: No.

3. Question: The Navy's answer to question 12 (Amendment 05) states that "Only the catwalk planks are to be removed". The drawings show a 3 x 4 wood nailer located under the plank, is it the Navy's intent to have the plank removed and the nailer to remain?

Answer: The nailer is to be removed as well.

4. Question: Can the Navy clarify the response to Amendment 4, Question #16, i.e. "Is the contractor responsible for the evacuation of all CFCs from air conditioning units, or have they been evacuated already?"

Answer: Yes, the Contractor will be required to evacuate CFC from all air conditioning units.

C. Data Furnished by the Government:

1. A pdf attachment titled ***"Hangar 1, Handling of Wash Water (NASA)"*** was e-mailed to all bidders on May 12, 2009 in order to provide consistent information regarding the handling of wash water.

AMENDMENT 06 – DATED 11 MAY 2009

A. The Request for Proposal due date is unchanged.

B. The following changes are made to the RFP:

1. Revise the following under Item #11, Basis of Award:

- **Item B, Factor 2 – Protective Coating – Remove** "Note: Proposals that provide a warranty longer than the minimum of 10 years for the protective coating may receive a higher rating."

C. The following clarifications and changes are incorporated into the RFP:

1. Revise the response to Amendment 05, Item C, #26:

Delete the answer "Assume that PCBs (if any) would be in the top 6 inches of soil. Lead is not a CoC for this CERCLA removal action. Hence, lead will not be part of the soil sampling clean up goal. See the response to #3 above regarding Option 1 backfill requirements." and **replace with** "A) Assume that PCBs (if any) would be in the

top 6 inches of soil and that dewatering would not be likely be required. B) See response to #5 *(Amendment 05, Item C)* regarding waste classification. C) See the response to #3 *(Amendment 05, Item C)* regarding Option 01 backfill requirements."

D. Data Furnished by the Government (For Information Purposes Only):

1. The following information is provided in regard to Alternative 10 in the EE/CA. This information is provided for information purposes only.

a. The contractor that played a key role in assisting with the coating alternatives and pricing for Alternative 10 is RESTEC Contractors, Inc. Their contract information is:

Mr. Marchello Barbero
RESTEC Contractors, Inc.
22959 Kidder Street
Hayward, California 94545
Ph: 510-670-2345

b. **Attached** is the epoxy specification for the paint submittals for Alternative 10. Option one is a one coat of Zinc Clad primer and one top coat of Macropoxy. Option two is for two coats of Zinc Clad.

2. **Attached** is the NeoPoxy information regarding the coating discussed in the EE/CA for Alternatives 2, 4, and 6. This information is provided for information purposes only. This information can also be found at: http://www.neopoxy.us/DocumentDownloads/Wastewater/Specifications/NPR-5300-Wastewater.pdf.

AMENDMENT 05 – DATED 05 MAY 2009

A. The Request for Proposal due date has changed from May 15, 2009 to May 26, 2009 at 2:00 p.m. (PST).

B. The following changes have been made in regard to the Period of Performance:

The period of performance for this contract has changed from 18 months to **30 months.**

- Revise Item 13(c) of the RFP **from** "540 calendar days" **to** "900 calendar days."
- Revise Page 1 of the contract scope of work, top paragraph, last sentence, **from** "18 months" **to** "30 months."

C. The following clarifications and changes are incorporated into the RFP:

1. Revise Item 8, Minimum Wage Rates, General Decision Number CA080029**, from** Modification 26 dated 04/03/2009 **to Modification 27 dated 05/01/2009.** *The wage determination is provided as an attachment.*

2. Revise the Offer Schedule, Option Item 01. **Delete** "backfill of excavated soil with class II base rock, compacted to 95%" **and replace with** "backfill excavated soil with clean fill that is similar in composition to native soil." *A revised Offer Schedule is provided as an attachment.*

3. Revise Page 3 of the contract scope of work, Section 1, Introduction/Background, bullet 22. **Delete** "Backfill excavated soil with class II base rock, compacted to 95%" **and replace with** "Backfill excavated soil with clean fill that is similar in composition to native soil."

4. Question: Please provide details describing how the catwalk planks are attached to the supporting structure.

Answer: Please refer to the drawing documents in the Architectural folder, file **AM4---0001-A38** (drawing 112234) and file **AM4---0001-A42** (drawing 112238) on CD 2, which was provided at the April 14th site visit.

5. Question: What waste classification should contractors use as a basis for the panel disposal pricing?

Answer: The contractor will need to classify all wastes generated from field work per all applicable environmental laws and regulations. Furthermore, the contractor is responsible for proper transportation and disposal of generated waste to the final destination (cradle to grave). The contractor will also be responsible for identifying proper treatment or disposal for wastes. All waste manifests, and DOT shipping documents for wastes will need to be properly completed by the contractor for Navy review and approval. The BRAC Caretaker Office, will be the primary points of contact with regard to reviewing and signing waste manifests and shipping documents.

6. **Question:** Section 2.2.3 of the Statement of Work, describes the requirements for the Accident Prevention Plan/Site-Specific Safety and health Plan. This section states that "The full-time Site Safety and Health Officer shall be a Certified Safety Professional (CSP) or Certified Industrial Hygienist (CIH) with a minimum of 10 years of safety work experience and have Competent Person status in scaffolding, fall protection, health hazard recognition, and personal protective equipment." Would it be acceptable to the Navy to provide a full time, on-site safety professional with the required experience and Competent Person qualifications, who would not have CSP/CIH certification but would work under the direction of a CSP/CIH?

   Answer: Yes.

7. **Question:** What are the dimensions of the soil areas that require confirmatory sampling per section 2.3.16?

   Answer: 21,000 square feet of soil.

8. **Question:** Will a fire hydrant be available for use during the demolition?

   Answer: The Navy expects the contractor to coordinate with NASA/ROICC on obtaining water from one of the water lines within the vicinity of Hangar 1. The contractor will need to install a temporary water meter to measure the amount of water the contractor uses from NASA and reimburse NASA for water usage.

9. **Question:** Option 2 requires decontamination of windows and frames. Sampling reports provided by the Navy indicate the putty that was used to glaze the windows may contain COCs. If the putty needs to be removed, the Navy will be left with individual panes and frames. Does the Navy want the glass sections separate or assembled? Please clarify the Navy's expectations.

   Answer: The expectation is that the window panes will be removed from the frames, the putty will be removed from the frames, the window frames will be stripped of all contaminated paint and repainted, and the window panes will be reinstalled in the refurbished window frames. The goal would be to have the original windows and frames decontaminated and refurbished for potential re-installation or future use.

10. **Question:** What is the scope of work for removal of utility lines in the utility trench? Are lines to be removed or abandoned in place?

    Answer: The utility corridor services other buildings besides Hangar 1. Therefore, great precaution should be exercised to protect this utility corridor during Hangar 1 Removal Action. Electrical should be removed back to the 6 above ground electrical vaults (except for a run to the Beacon, sump pump, star, and electrical door motor). All other utilities should be brought back to the point of entry into Hangar 1. The contractor should not disturb the utilities in the utility corridor with the exception of ensuring that contaminants from pressure washing do not end up in the corridor.

11. **Question:** Many of the interior offices have raised floors that appear to be concrete topping slabs. Does the Navy want these topping slabs to be removed or are they to remain?

    Answer: The concrete topping slabs for the building can remain. However, they need to be decontaminated via pressure washing.

12. Question: Section 2.3.9 calls for the removal of "all redwood planks at the inside catwalks". Is the removal on the catwalks limited to the plank removal and are these planks painted with lead based paints?

Answer: Only the catwalk planks are to be removed. The steel structure for the catwalks provide some lateral structural support to hangar 1 steel structure. The wood planks are contaminated with the PCB paint.

13. Question: Does man crane removal include removal of the steel rails that the cranes travel on?

Answer: Yes.

14. Question: Can we assume that after the removal of the asbestos containing materials from the interior offices the remaining construction materials will be disposed of as non-hazardous construction debris? Does the concrete stem wall at the perimeter of the building remain in place?

Answer: The Navy expects the contractor to classify all wastes generated as hazardous or non hazardous per appropriate environmental laws and regulations. The concrete stem walls can remain in place however they will need to be decontaminated via pressure washing.

15. Question: NASA/Moffett Field has a local regulation that prohibits torch cutting of any lead containing materials such as painted steel. Is this local regulation applicable to the Hangar 1 project?

Answer: The contractor is to abide by NASA and Navy policies.

16. Question: Is there is a roofing membrane that has been replaced recently. Please clarify if this needs to be removed?

Answer: The roof of the Hangar is to be removed.

17. Question: What is the cleaning standard for the hazardous mastic on the concrete? What is the cleaning standard for non-hazardous mastic on the concrete? What is the cleaning standard for hazardous and non hazardous leveling compounds?

Answer: The mastic/striping is contaminated and will need to be removed or cleaned. Please refer to the response in ***Amendment 03, Item C, #3*** for guidance on clean up standards.

18. Question: Has the redwood that is supporting the roofing membrane ever been sampled and is there a characterization for it?

Answer: The redwood is more than likely contaminated with the PCB paint since the redwood has been painted. Please refer to the response in ***Amendment 03, Item C, #3***.

19. Question: Can we use existing trench as water collection for power washing?

Answer: The contractor can use the existing trench provided that the contractor prevents rinsate water from exiting this trench and entering the base storm water system. The contractor will need to ensure that this trench is cleaned after use and that the trench doesn't have any weak areas (cracks) that could lead to a release of hazardous substance to the environment.

20. Question: What is the cleanup standard for trench base after work completion? Is this the same as the concrete floor clearance requirements or is it another set of cleanup requirements?

Answer: The cleanup standard for the trench is the same as the concrete floor clean up requirements.

22. Question: Can you clarify the applicable wage rate for the siding removal at Hanger One. The siding contains high levels of asbestos, lead paint and PCBs which are integral to each piece of siding. Your General Decision CAO0029, 4/3/09, CA29 which covers this work has three separate rates which could apply. LABO0067-02, 12/1/08 covers asbestos at one rate and Lead at another. LABO0067-007, 6/30/08 has a third rate for the PCB's. What rate will the DOL require on this material?

Answer: Use the highest wage rate of the three labor rates. *Note the revision to the wage determination in the response to #1 above.*

23. Question: Has anyone attempted to identify the bird and mammal species currently using Hanger 1? If so, is it possible to get a list?

Answer: The Navy does not know of any attempts to identify or list the bird and mammal species currently in Hangar 1, but there have been sightings of small mammals (such as skunks) and coyotes, in addition to birds.

24. Question: Do we need to monitor for bats?

Answer: At this time, the Navy is unaware of a need to monitor for bats.

25. Question: What is the goal of setting traps for four months? Removal of birds and/or mammals?

Answer: The removal of both birds and mammals.

26. Question: For Option 1, unit costing is dependent of general volume and depth of excavations. A.) Please supply a rough-order-of –magnitude volume number, likely depth horizon, and specify whether any dewatering is likely to be required. B.) Considering the likely presence of elevated lead in the soil, please prescribe the likely classification of the material relative to disposal. C.) Also, Section 2.5 Work Element 5 describes the backfill for Option 1 as “clean fill that is similar in composition to native soil” while on page 3 of the RFP it describes the backfill as “Class II base rock, compacted to 95%”. Which description should the contractor use?

Answer: Assume that PCBs (if any) would be in the top 6 inches of soil. Lead is not a CoC for this CERCLA removal action. Hence, lead will not be part of the soil sampling clean up goal. See the response to #3 above regarding Option 1 backfill requirements.

27. Question: We request clarification of the apparent discrepancy between the EE/CA which states that “accessible areas” be coated and the RFP requirements which state “The Contractor is to coat the entire Hangar 1 existing steel framing surfaces including joints and connections”. The latter is consistent with the approach necessary to obtain a 10 year warranty but inconsistent and very costly in comparison to the EE/CA.

Answer: The remaining steel structure will need to be coated to encapsulate the PCB paint. All exposed surfaces including joints need to be coated to encapsulate the PCB paint. This effort should not require unbolting joints though. The contractor should be able to coat the joints as is.

28. Questions: Will the Navy reconsider the allowable work hours based the following:
a) Extended hours for work to be performed in the interior of the structure. Interior temperature and humidity control may be a factor requiring extended hours. To expedite schedule multiple crews working around the clock within the hangar will be necessary.

b) Flexible work time to adjust for conditions, i.e. atmospheric conditions (temperature, dew point, etc) and calm wind conditions are key to having field conditions compatible with siding removal and coating. These conditions may be better at hours outside of those prescribed. Therefore a 3:00 to 4:00AM start time might allow for a full work shift under safer conditions. Minimizing restrictions on work hours may optimize both productivity and worker safety.

Answer: a) The Navy does not want work crews working at the site around the clock because the Navy does not have the resources to monitor construction activities around the clock. The period of performance has been revised to 30 months in order to alleviate the need to work around the clock.

b) The Navy does not want a start time as early as 3:00 - 4:00 am because the Navy does not want construction work during non-daylight hours.

29. Question: Is FAA certified Wildlife Hazard Assessment and Management Plan required for Moffett Airfield areas in addition to Hangar 1?

Answer: The answer to this question is two fold. Since, Hangar 1 is located adjacent to the Moffett Air Field, the Navy expects the contractor to abate bird strike issues during period of performance of this contract in accordance with all applicable FAA requirements. Additionally, the Navy expects a permanent bird strike abatement system (other than porcupine spikes) be installed in order to abate bird strike hazards once field work is completed. The permanent bird strike hazard system is to keep birds from roosting on the remaining Hangar 1 structure after the removal action has been completed.

30. Question: To what standard does the structure of the hangar skeleton need to be designed and upgraded as and when the skin is removed? Does it need simply to stand up on its own, or, for example, meet the upgrade requirements of FEMA 356 as determined by ASCE 31-03?

Answer: The Navy does not expect the contractor to upgrade the existing steel structure to meet current building codes. The Structural Analysis done by Exeltech has already determined that the structure is sound. However, the Navy does expect the contractor replace the recommended members that were removed after the structure was built.

D. Data Furnished by the Government:

3. A **CD** containing the final TCRA completion report was sent to each Prime Contractor location on May 1, 2009.
4. Current Wage Determination: ***Mod 27 – Santa Clara County DB Wage Det***
5. Revised Offer Schedule

AMENDMENT 04 – DATED 28 APRIL 2009

A. The Request for Proposal due date remains unchanged.

B. The following clarifications and changes are incorporated into the RFP:

1. Question: Black caulking was observed between exterior panels and interior beams. This condition appears to exist on all beams and at all contact points. Has this material been tested for asbestos and/or PCB?

Answer: The contractor should assume that this caulking is contaminated with PCBs.

2. Question: Does the curbing beneath the wall sections associated with interior build out construction get demolished?

Answer: The concrete pads/curbing for interior buildings do not need to be demolished. However, these concrete pads/curbing will need to be decontaminated.

3. Question: Is there an original cut sheet for the Robinson panels? What is the weight of the panels?

Answer: No, the Government does not have the original cut sheets or the known weight of the panels.

4. Question: Can we include secondary swing and/or graveyard work shifts during our costing?

Answer: No. The Navy expects the field work to be completed during normal working hours Monday thru Friday 0730 to 1630.

5. Question: Are there any STLC or TCLP analytical results associated with the PCB contamination?

Answer: See response in ***Amendment 03, Item C, #3***.

6. Question: What is the required clean-up value for post cleaning activity?

Answer: See response in ***Amendment 03, Item C, #3***.

7. Question: Will the Navy provide the sign-in sheet from the April 24 site visit?

Answer: Only upon request.

8. Question: Are there any NASA-specific safety requirements that need to be addressed in the APP/SSHP in addition to the ACOE and Navy safety requirements referenced in section 2.2.3 of the SOW.

Answer: For NASA Construction Safety Requirements, please see this link:
http://server-mpo.arc.nasa.gov/Services/Proc/ProcDocs/APG1700.1-R/RedactedHealthManual.html

9. Question: Section 2.3.15 of the SOW requires abatement of bird strike hazards resulting from the work. Please clarify that this requirement pertains only to the period of performance of the CTO (540 calendar days).

Answer: The Navy expects the contractor to address bird strike hazards during the performance of the field work as well as developing and installing a permanent bird strike hazard abatement system for the remaining structure after the field work has been completed.

10. Question: What are the expected durations of Navy and regulatory review of the deliverables listed in the Schedule Matrix (section 6.0 of the SOW).

Answer: The Navy internal review time is approximately 30 days on documents. The Agencies require 60 day review time on documents per the FFA.

11. Question: Will water and power be provided by the Navy at no cost to the contractor?

Answer: See response in ***Amendment 02, Item B, #5***.

12. Question: Does removal of the elevators require removal of the supporting structure as well or only removal of the elevator itself?

Answer: The structural steel members associated with the elevator shaft are not to be removed.

13. Question: Are there installation-specific wind speed restrictions on performing demolition or crane work at Moffett Field?

Answer: ***NASA STD 8719.9, Section 4: Overhead Cranes, Sub-Section 4.7, Item ab,*** states "Outdoor hoisting operations should not commence if winds are above 20 knots (23 mph, 37 km/hr) steady state or if gusts exceed 35 knots (40 mph, 65 km/hr). Consideration shall also be given to sail area and weather conditions such as lighting, or snow before commencing operations." A copy of *NASA's Crane Lift Checklist* is attached.

14. Question: The CD distributed at the site visit contains several empty folders, including Hard Copy Drawings/Site Plan; Hard Copy Drawings/Water Distribution; Hard Copy Drawings/Utilities.

Answer: The three sub-folders are supposed to be empty.

15. **Question:** Are the 2 exterior "turret" style buildings on the west side of Hangar 1 to be demolished?

    Answer: Yes.

16. **Question:** Is the contractor responsible for the evacuation of all CFC's from air conditioning units, or have they been evacuated already?

    Answer: Yes.

17. **Question:** The as-built drawings show how the exterior mansard panels are connected to the redwood roof, but it is not apparent how the redwood roof is connected to the Hangar 1 structure. Is this information available?

    Answer: No.

18. **Question:** The asbestos surveys do not show the exact sample locations for the ACM. Is there any ACM that is located above the 3rd floor offices, e.g., along the catwalks that are near the roof of the hangar?

    Answer: No asbestos surveys were conducted above the 3rd floor due to safety concerns in accessing catwalk areas. Hence, there is the possibility of ACM above the 3rd floor offices, e.g. along the catwalks.

19. **Question:** Please provide a copy of the NASA Biological Opinion and Burrowing Owl Management Plan referenced in SOW section 2.3.15.

    Answer: A copy of the *NASA Burrowing Owl Management Plan* and *NASA Biological Opinion* is attached.

20. **Question:** Please provide a copy of the NASA Construction Permit application or summary permit conditions.

    Answer: A copy of the *NASA Construction Permit Application* is attached.

D. Data Furnished by the Government:

1. **Attached Documents (pdf):**
   - Burrowing Owl Mgmt Plan
   - NASA PM Crane Lift Checklist
   - NASA Biological Opinion
   - NASA Permit Form ARC57

AMENDMENT 03 – DATED 27 APRIL 2009

A. The Request for Proposal due date remains unchanged.

B. The Request for Information date has changed from 28 April 2009 to 01 May 2009.

C. The following clarifications and changes are incorporated into the RFP:

1. **Revise the response to Amendment 02, Item B, #9:**
   Delete the answer "No" and **replace with** "Yes. However, the Navy expects the contractor to recycle where it makes sense to do so. For instance, the metal demising walls should be decontaminated easily and hence is an ideal candidate for recycling. Smaller metal items might not be effective to recycle due to complexity in decontaminating the object.

2. **Question:** Can we get a more conclusive list of what is to be kept and removed from the 50 items we specified from NASA, or at least a range of examples of what those items may be (tables, chairs, lamps, etc)?

   Answer: A conclusive list is not available at this time. Instead, assume a total of $75,000 for the cost to decontaminate the set-aside items for NASA. This does not include the windows under Option 02.

3. **Question:** Regarding Section 2.3.19, this item appears to require the removal of all surface contamination from the building slab and concrete structures at the end of the project. During the site walk, some areas of the floor were covered with plastic and stains were evident. Beyond dust contamination addressed by the initial power washing, what surface contamination conditions it this SOW section meant to address, and what are the cleanup criteria related to the surface cleaning?

   Answer: Contractor should review the attached documents as a guide (see list in Item C below). Cleanup standard for PCBs in soils is 1,000 ug/kg (residential under TSCA south of OARF Road) and 210 ug/kg north of OARF Road (Site 25 ecological RG). Wipe samples on surface should be 10 ug/cm2 for PCBs.

D. Data Furnished by the Government:

2. Attached Documents (pdf):

- NASA Ames Research Center Hangar 1 Interior Pain Sampling (200508 IntPaintSamplingHangar 1)
- Hangar 1 Summary Report (20030513 Hangar1SummaryReport)
- CLS Analyses of Samples (20050207 Hangar1Metal Sampling)
- Paint Samples (20060705 Hangar1paintsamples)
- PCB Sampling Results (20060705 PCBSamplingResultsHangar 1)

AMENDMENT 02 – DATED 24 APRIL 2009

A. The Request for Proposal due date remains unchanged.

B. The following clarifications and changes are incorporated into the RFP:

1. **Question:** The Navy is asking for a 10 year warranty on the coating system. However, Hanger One's construction uses a lot of back-to-back angles which are defined by the American Society for Metals (ASM) as "The structural feature where two members are bolted, riveted or welded together with a space between them". These features create inaccessible areas for painting unless extraordinary measures are taken, and if when taken are more often than not only marginally effective at preventing some degree of future corrosion. Considering this, the only warrantable surfaces are those that are readily and typically accessible to be painted. Is the Navy aware of this limitation and are they in agreement with it, and if so are they willing to accept a warranty that specifically qualifies and excludes this condition from the warranty?

   Answer: The Navy expects the contractor to come up with a solution to protect the connections from corrosion for a minimum of 10 years per the scope of work. The Navy expects a warranty to be good for a minimum of 10 years per the scope of work.

2. **Question:** Do the steel panels that form a demising wall at what we believe is the East wall of the hanger get removed?

   Answer: The steel panels that form a demising wall are to be removed without damaging the structural steel members.

3. **Question:** Can one lane of the two lane road alongside the hanger be blocked off and used during the project? This would leave one lane for traffic in that area. If this is permissible, can the existing fence that forms the roadside outer boundary also be removed and if so does it need to be replaced once the project is complete?

Answer: It is likely that this road can be closed down (or at least 1 lane of this road) during construction for safety reasons. However, this is not guaranteed until the work plans for Hangar 1 construction work have been reviewed and approved. The existing fence may be moved temporarily to extend the boundary into the closed roadway during construction, but once construction is completed, the contractor will need to restore the fence back to the pre-construction conditions.

4. **Question:** Regarding boundaries, presumably the existing fence lines surrounding the hanger on the day of the bid-walk define them. Also being presumed is that these areas can be used during construction without restriction for staging, lay down areas, equipment storage, jobsite offices and other construction related activities? Are these presumptions correct, or are there restrictions to these areas' uses, and if so what are they?

   Answer: The existing fenced area around the Hangar may be considered for the contractor lay-down area. If the area is insufficient then the contractor will need to coordinate with the ROICC office and NASA for additional lay-down area. The contractor will have some restrictions for staging within the fenced area due to the fact that the air field is adjacent, requiring the contractor to comply with FAA airfield policies and regulations, such as obstruction lights are required on top of the cranes. The contractor will need to ensure that FOD (foreign object debris) does not end up on the airfield.

5. **Question:** Will the Navy provide water to the project and if so are there any restrictions on its use? A maximum use rate for water during interior cleaning of 100 gpm is anticipated. If the Navy will not supply the water, please indicate the local utility which supplies water to the base. Does the Navy know if any use restriction related to California water/drought conditions will affect water availability?

   Answer: The Navy expects the contractor to coordinate with NASA/ROICC on obtaining water from one of the water lines within the vicinity of Hangar 1. The contractor will need to install a temporary water meter to measure the amount of water the contractor uses from NASA and reimburse NASA for water usage. The maximum use rate of 100 gpm is acceptable.

6. **Question:** Will the Navy provide power to the project? If not, please indicate the local utility/agency which is the supplier. May the contractor assume that power may be drawn from one or more of the existing electrical vaults? A maximum project power need, including the four existing loads, of 600 A, 480 V, 3 phase should be sufficient.

   Answer: The Navy expects the contractor to coordinate with NASA/ROICC on obtaining power from the electrical vaults surrounding the hangar. The contractor will need to install a temporary electrical meter to measure the amount of electricity the contractor uses from NASA and reimburse NASA for electrical usage.

7. **Question:** During the bid walk, the Navy indicated that the upper tiers of windows with corrugated glass were architectural unique, and NASA wanted these assemblies preserved. Is this also true of the lower tier of windows with plain glass or other opaque pane fillers?

   Answer: Per NASA, the contractor is to include both corrugated glass windows that are architecturally unique as well as the lower tier of windows in their bid under Option Item 02.

8. **Question:** Regarding interior catwalks. Section 2.3.9 states, "The Contractor shall not use the existing catwalks or other existing means of access for field work." May the catwalks and stairs be used by the contractor if they are inspected by a structural engineer and safety professional, and tested and/or repaired or augmented as necessary to current construction standards at his/her direction and for the intended use?

   Answer: The Navy and NASA have determined that the existing catwalks do not meet current safety standards and are in poor condition. The contractor may use the catwalks only if they are brought up to current OSHA standards, Navy Safety standards, and NASA safety standards and if the contractor gets both Navy and NASA's safety office's approval on a using these catwalks.

9. Question: The RFP states that "The Contractor shall salvage all recyclable materials (provided it is safe and decontaminated) to minimize waste and disposal materials." Must recycling, with accompanying decontamination, be done even if more expensive that straight disposal?

Answer: No.

10. Question: Who is the POTW for the base, and will they entertain treated water flows from this project?

Answer: The Navy expects the contractor to make arrangements for disposing of the waste water generated from this project in accordance with all state, local, and Federal regulations. The contractor will be responsible for paying for the disposal of the waste water as well. The POTW is the Sunnyvale Treatment Plant. There are restrictions on what can be discharged to Sunnyvale Treatment Plant such as discharge rate, type of waste water, quantity of waste water, and chemical criteria of waste water. Hence, the contractor will need to get permission from Sunnyvale Treatment Plant to discharge waste water if the contractor proposes to discharge to the base's sewer system. Steve Flarida is NASA's POC for waste water discharge to Sunnyvale's Treatment Plant. He can be reached at 650-604-1800

11. Question: Can the Navy define the legacy material within the building to be disposed in general volume and type? During the site walk assorted drums and marked boxes were observed, and access to the simulator building as well as other enclosed areas was not provided.

Answer: The Navy expects the contractor to assume all material/equipment within the building to be disposed of (except for a limited number of items identified by the Navy and NASA).

12. Question: Also regarding Section 2.3.19, reference is made to various techniques to address surface contamination including coatings. As the building slab will be exposed to the elements following the removal of the roof, is sealing of the hangar floor slab anticipated to be required?

Answer: No.

13. Question: Section 2.3.4 requires the Biological Survey to be done prior to the start of fieldwork, but the Survey would require access to Hangar One. Section 2.3.15 states that "The Contractor shall work with a biologist from NASA to relocate any wild life inhabiting the hangar and for traps to be set inside Hangar 1 at least four months before the start of field work." Who is responsible, the Contractor or NASA, for the trapping and removal of wild life? Must the final Plans for the project be approved prior to these activities proceeding?

Answer: NASA's biologist does the relocation of any wildlife on the construction sites. However, the contractor may need to assist the NASA biologist with this effort.

14. Question: Can the Government provide keys to the side doors as access points for equipment and personnel?

Answer: Yes.

15. Question: Is the freon from the freezer and other refrigeration items in the rooms identified in the contract and how will they be addressed?

Answer: The contractor is responsible for disposing all wastes (including hazardous) in accordance with all environmental laws, regulations, etc. This includes the refrigerated equipment and the freon in the equipment.

C. Data Furnished by the Government:

1. At the site visit on April 14, 2009, **two CDs** were provided to each Prime Contractor containing the following documents:

- 0068-0001_Final EECA_Hangar1

- Asbestos Survey Report_2002
- Assessment of Adverse Impact_Site 29_Removal Action Alternative
- DMJM Draft Report
- DMJM Letter Report May 2003
- Final_Hangar One Action Memorandum
- PCB, Lead and Asbestos Report
- Structural Analysis_Gravity_Seismic and Wind Vulnerability Study
- UFP_QAPP_v1_0305
- Drawings Provided in Separate Folders:
    - Electrical, Architectural, Civil, Fire Protection, Hardcopy Drawings, Mechanical, Miscs, Plumbing, Sprinkler, and Structural

2. A **CD** with photos of the 6 electrical vaults was sent on April 24, 2009, to each Prime Contractor location.

AMENDMENT 01 – DATED 13 APRIL 2009

A. The Request for Proposal due date remains unchanged.

B. The following changes are made to the RFP:

1. Revise the following under Item #11, Basis of Award:

- **Item B. Evaluation Methodology and Rating Scheme, Page Limitations for Volume I –** Revise the overall page count from 18 pages to **20 pages.**

- **Item B. Evaluation Methodology and Rating Scheme, Factor 2 – Protective Coating –** Revise the page limitation from three (3) pages to **five (5) pages** and **a*dd the following statement:*** "Manufacturer's cut/performance sheets are included in the page count and are required to meet the standard for one sheet being one side of an 8.5" x 11" sheet only. Margins and lettering for the sheets may be different from the requirement of the proposal document.

C. The following clarifications and changes are incorporated into the RFP:

1. Question: The RFP states that cover pages and table of contents are included in the page count, yet the specific page counts for each factor add up to 18, which is the overall page count. This does not account for the cover and TOC. Shouldn't the overall page count be 20 pages? Are the cut sheets included in the 3 pages allowed for Factor 2?

Answer: The overall page count has been revised from 18 pages to 20 pages as stated in the above changes to Item #11 of the RFP. This change is a result of increasing the page limitation for ***Factor 2 – Protective Coating***. A cover sheet and/or table of contents are **not** required on the proposals submitted, but if Contractors wish to include a cover sheet and/or table of contents, then it will be counted against the total of 20 pages.

2. Question: The ACM bid quantities list in Section 2.3.6 includes the Exterior Siding and Exterior Roofing Materials. The last paragraph of that section says that removal of existing structures shall be performed after completion of abatement activities. This sequencing requirement is repeated in the first paragraph of Section 2.3.9. Removal of the siding, redwood ceiling and roofing is covered by Section 2.3.11. For clarity, must the siding be removed prior to removal of the existing structures if the ACM has been otherwise abated?

Answer: No. The siding does not have to be removed prior to the removal of the existing structures. However, the Contractor needs to adequately explain what sequence they intend to do the tasks in the scope of work to best meet the Remedial Action Objectives (RAO). For example, pressure washing

the structure to decontaminate the structure of contaminated PCB dust must be done at an appropriate time in the field work sequence otherwise the pressure washing will not achieve the RAO.

3. **Question:** Section 2.3.10 describes the pressure washing of structural steel members, while Section 2.3.14 describes the coating operation. May it be assumed that pressure washing will be the only required surface preparation prior to coating?

   Answer: No. The primary purpose of the pressure washing is to decontaminate the site from PCB/Lead dust. The type of coating the contractor selects to meet the minimum requirements of the SOW will have recommendations from the Coating Manufacture for surface preparation to ensure the desired warranty. The Navy expects the contractor to achieve at least the minimum RAO for the coating.

4. **Question:** Section 2.3.14 requires a coating conditions survey and the design of the new coating. At the same time the project Action Memorandum (AM) specifies a primer and finish coat of weather-resistance epoxy. Must the base bid be based on the primer/epoxy finish coat described in the AM if the bidder believes an alternate coating system may be superior?

   Answer: No. The coating is expected to meet at least the minimum RAO as discussed in the scope of work (SOW). Alternate coating systems that exceed the minimum requirements as stated in the SOW for protecting the Hangar may be proposed.

5. **Question:** Relative to Section 2.3.7, will the Navy specify the quantities of materials that will be tagged by NASA which will require decontamination? Were there other industrial operations performed in the building (e.g. machining) that might affect the disposal of the cited equipment, furniture and furnishings?

   Answer: For bidding purposes, the Navy will limit the number of items to be decontaminated and returned to NASA to 50 items or less. NASA has not provided a list of items that need to be de-contaminated and returned to NASA at this time. The Navy does not know of any other industrial operations performed in the building.

6. **Question:** In addition to the EE/CA and AM, a number of Hangar One-specific references are listing under the General References. Does the Navy plan to distribute these? Otherwise, how may they be obtained. This is particularly true for the Hangar One Drawings and Electrical As-Built Drawings. What is the Documents Drawings listed?

   Answer: A set of CDs is currently being compiled for Contractors. These will be provided to the addresses listed on the RFP once they are completed.

----------END OF AMENDMENTS----------

WAGE DETERMINATION CA29 MOD 27
General Decision Number: CA080029 05/01/2009

Superseded General Decision Number: CA20070029

State: California

Construction Types: Building, Heavy (Heavy and Dredging) and Highway

Counties: Alameda, Calaveras, Contra Costa, Fresno, Kings,
Madera, Mariposa, Merced, Monterey, San Benito, San Francisco,
San Joaquin, San Mateo, Santa Clara, Santa Cruz, Stanislaus and
Tuolumne Counties in California.

BUILDING CONSTRUCTION PROJECTS; DREDGING PROJECTS (does not include hopper dredge work); HEAVY CONSTRUCTION PROJECTS (does not include water well drilling); HIGHWAY CONSTRUCTION PROJECTS

Modification Number	Publication Date
0	02/08/2008
1	02/15/2008
2	02/22/2008
3	02/29/2008
4	03/07/2008
5	03/21/2008
6	03/28/2008
7	04/04/2008
8	04/18/2008
9	06/20/2008
10	07/04/2008
11	07/11/2008
12	07/18/2008
13	08/01/2008
14	08/08/2008
15	08/15/2008
16	08/29/2008
17	09/12/2008
18	10/03/2008
19	10/31/2008
20	11/14/2008
21	12/05/2008
22	01/02/2009
23	01/16/2009
24	02/06/2009
25	02/27/2009
26	04/03/2009
27	05/01/2009

ASBE0016-001 01/01/2009

AREA 1: ALAMEDA, CONTRA COSTA, LAKE, MARIN, MENDOCINO, MONTEREY, NAPA, SAN BENITO, SAN FRANCISCO, SAN MATEO, SANTA CLARA, SANTA CRUZ, SOLANO, & SONOMA COUNTIES

AREA 2: ALPINE, AMADOR, BUTTE, CALAVERAS, COLUSA, DEL NORTE, EL DORADO, FRESNO, GLENN, HUMBOLDT, KINGS, LASSEN, MADERA, MARIPOSA, MERCED, MODOC, MONO, NEVADA, PLACER, PLUMAS, SACRAMENTO, SAN JOAQUIN, SHASTA, SIERRA, SISKIYOU, STANISLAU, SUTTER, TEHEMA, TRINITY, TULARE, TUOLUMNE, YOLO, & YUBA COUNTIES

	Rates	Fringes
Asbestos Workers/Insulator (Includes the application of all insulating materials,		

Protective Coverings,
Coatings, and Finishes to all
types of mechanical systems)
Area 1.....$ 47.73 15.21
Area 2.....$ 39.08 15.21

ASBE0016-004 01/01/2009

Rates Fringes

Asbestos Removal
worker/hazardous material
handler (Includes
preparation, wetting,
stripping, removal,
scrapping, vacuuming, bagging
and disposing of all
insulation materials from
mechanical systems, whether
they contain asbestos or not)....$ 29.60 5.40

BOIL0549-001 10/01/2007

AREA 1: ALAMEDA, CONTRA COSTA, SAN FRANCISCO, SAN MATEO & SANTA CLARA COUNTIES

AREA 2: REMAINING COUNTIES

Rates Fringes

BOILERMAKER
Area 1.....$ 37.62 19.87
Area 2.....$ 36.52 19.37

BRCA0003-001 08/01/2008

Rates Fringes

MARBLE FINISHER.....$ 28.02 12.12

BRCA0003-003 08/01/2008

Rates Fringes

MARBLE MASON.....$ 39.22 18.58

BRCA0003-005 07/01/2008

Rates Fringes

BRICKLAYER
(1) Fresno, Kings,
Madera, Mariposa, Merced....$ 32.18 15.37

(7) San Francisco, San Mateo.....$ 37.98 17.32
(8) Alameda, Contra Costa, San Benito, Santa Clara.....$ 37.50 15.50
(9) Calaveras, San Joaquin, Stanislaus, Toulumne.....$ 32.98 14.57
(16) Monterey, Santa Cruz...$ 32.91 18.87

BRCA0003-008 07/01/2008

	Rates	Fringes
TERRAZZO FINISHER	$ 28.81	10.61
TERRAZZO WORKER/SETTER	$ 38.18	17.67

BRCA0003-011 04/01/2008

AREA 1: Alameda, Contra Costa, Monterey, San Benito, San Francisco, San Mateo, Santa Clara, Santa Cruz

AREA 2: Calaveras, San Joaquin, Stanislaus, Tuolumne

AREA 3: Fresno, Kings, Madera, Mariposa, Merced

	Rates	Fringes
TILE FINISHER		
Area 1	$ 20.90	10.08
Area 2	$ 20.72	10.21
Area 3	$ 20.41	9.41
Tile Layer		
Area 1	$ 37.57	11.36
Area 2	$ 33.37	11.31
Area 3	$ 28.76	10.71

CARP0022-001 01/01/2009

AREA 1: Alameda, Contra Costa, San Francisco, San Mateo, Santa Clara counties

AREA 2: Monterey, San Benito, Santa Cruz Counties

AREA 4: Calaveras, Fresno, Kings, Madera, Mariposa, Merced, San Joaquin, Stanislaus, Tuolumne Counties

	Rates	Fringes
Drywall Installers/Lathers:		
Area 1	$ 34.75	20.17
Area 2	$ 28.87	20.17

Area 4.....$ 28.02 20.17
Drywall Stocker/Scrapper
Area 1.....$ 17.38 12.66
Area 2.....$ 14.44 12.66
Area 4.....$ 14.01 12.66

CARP0034-001 07/01/2008

	Rates	Fringes
Diver		
Assistant Tender, ROV Tender/Technician	$ 33.90	23.03
Diver standby	$ 38.29	23.03
Diver Tender	$ 37.29	23.03
Diver wet	$ 76.58	23.03
Manifold Operator (mixed gas)	$ 42.29	23.03
Manifold Operator (Standby)	$ 37.29	23.03

DEPTH PAY (Surface Diving):
050 to 100 ft $2.00 per foot
101 to 150 ft $3.00 per foot
151 to 220 ft $4.00 per foot

SATURATION DIVING:
The standby rate shall apply until saturation starts. The saturation diving rate applies when divers are under pressure continuously until work task and decompression are complete. The diver rate shall be paid for all saturation hours.

DIVING IN ENCLOSURES:
Where it is necessary for Divers to enter pipes or tunnels, or other enclosures where there is no vertical ascent, the following premium shall be paid: Distance traveled from entrance 26 feet to 300 feet: $1.00 per foot. When it is necessary for a diver to enter any pipe, tunnel or other enclosure less than 48" in height, the premium will be $1.00 per foot.

WORK IN COMBINATION OF CLASSIFICATIONS:
Employees working in any combination of classifications within the diving crew (except dive supervisor) in a shift are paid in the classification with the highest rate for that shift.

CARP0034-003 01/01/2009

	Rates	Fringes
Piledriver	$ 33.90	23.03

CARP0035-002 01/01/2009

AREA 1: Alameda, Contra Costa, San Francisco, San Mateo, Santa Clara counties

AREA 2: Monterey, San Benito, Santa Cruz Counties

AREA 4: Calaveras, Fresno, Kings, Madera, Mariposa, Merced, San Joaquin, Stanislaus, Tuolumne Counties

	Rates	Fringes
CARPENTER		
AREA 1:		
(1) Carpenter	$ 34.75	19.73
(2) Hardwood Floorlayer; Shingler; Power Saw Operator; Steel Scaffold & Steel Shoring Erector; Saw Filer	$ 34.90	19.73
(3) Bridge Builder	$ 34.75	19.73
(4) Millwright	$ 34.85	19.95
AREA 2:		
(1) Carpenter	$ 28.87	19.73
(2) Hardwood Floorlayer; Shingler; Power Saw Operator; Steel Scaffold & Steel Shoring Erector; Saw Filer	$ 29.02	19.73
(3) Bridge Builder	$ 34.75	19.73
(4) Millwright	$ 31.37	19.95
AREA 4:		
(1) Carpenter	$ 27.52	19.73
(2) Hardwood Floorlayer; Shingler; Power Saw Operator; Steel Scaffold & Steel Shoring Erector; Saw Filer	$ 27.67	19.73
(3) Bridge Builder	$ 34.75	19.73
(4) Millwright	$ 30.02	19.95

CARP0035-007 07/01/2008

AREA 1: Alameda, Contra Costa, San Francisco, San Mateo, Santa Clara counties

AREA 2: Monterey, San Benito, Santa Cruz Counties

AREA 3: Calaveras, Fresno, Kings, Madera, Mariposa, Merced, San Joaquin, Stanislaus, Tuolumne Counties

	Rates	Fringes

Modular Furniture Installer
Area 1
Installer I.....$ 20.86 13.10
Installer II.....$ 17.43 13.10
Lead Installer.....$ 24.31 13.60
Master Installer.....$ 28.53 13.60
Area 2
Installer I.....$ 18.21 13.10
Installer II.....$ 15.26 13.10
Lead Installer.....$ 21.18 13.60
Master Installer.....$ 24.81 13.60
Area 3
Installer I.....$ 17.26 13.10
Installer II.....$ 14.49 13.10
Lead Installer.....$ 20.06 13.60
Master Installer.....$ 23.48 13.60

ELEC0006-001 12/01/2008

ALAMEDA, CONTRA COSTA, MONTEREY, SAN BENITO, SAN FRANCISCO, SAN MATEO, SANTA CLARA, AND SANTA CRUZ COUNTIES

	Rates	Fringes
Sound & Communications		
Installer	$ 29.87	3%+11.95
Technician	$ 34.01	3%+11.95

SCOPE OF WORK: Including any data system whose only function is to transmit or receive information; excluding all other data systems or multiple systems which include control function or power supply; inclusion or exclusion of terminations and testings of conductors determined by their function; excluding fire alarm work when installed in raceways (including wire and cable pulling) and when performed on new or major remodel building projects or jobs for which the conductors for the fire alarm system are installed in conduit; excluding installation of raceway systems, line voltage work, industrial work, life-safety systems (all buildings having floors located more than 75' above the lowest floor level having building access); excluding energy management systems.

FOOTNOTE: Fire alarm work when installed in raceways (including wire and cable pulling), on projects which involve new or major remodel building construction, for which the conductors for the fire alarm system are installed in the conduit, shall be performed by the inside electrician.

ELEC0006-007 06/01/2008

SAN FRANCISCO COUNTY

	Rates	Fringes
ELECTRICIAN	$ 53.05	21.685

ELEC0006-008 12/01/2006

CALAVERAS, FRESNO, KINGS, MADERA, MARIPOSA, MERCED, SAN JOAQUIN, STANISLAUS AND TUOLUMNE COUNTIES

	Rates	Fringes
Communications System		
Installer	$ 23.47	3%+10.65
Technician	$ 26.72	3%+10.65

SCOPE OF WORK: Including any data system whose only function is to transmit or receive information; excluding all other data systems or multiple systems which include control function or power supply; inclusion or exclusion of terminations and testings of conductors determined by their function; excluding fire alarm work when installed in raceways (including wire and cable pulling) and when performed on new or major remodel building projects or jobs for which the conductors for the fire alarm system are installed in conduit; excluding installation of raceway systems, line voltage work, industrial work, life-safety systems (all buildings having floors located more than 75' above the lowest floor level having building access); excluding energy management systems.

FOOTNOTE: Fire alarm work when installed in raceways (including wire and cable pulling), on projects which involve new or major remodel building construction, for which the conductors for the fire alarm system are installed in the conduit, shall be performed by the inside electrician.

ELEC0100-002 06/01/2008

FRESNO, KINGS, AND MADERA COUNTIES

	Rates	Fringes
ELECTRICIAN	$ 32.35	3%+13.70

ELEC0100-005 12/01/2008

FRESNO, KINGS, MADERA

	Rates	Fringes
Communications System		

Installer.....$ 26.24 3%+11.95
Technician.....$ 29.88 3%+11.95

SCOPE OF WORK
Includes the installation testing, service and maintenance, of the following systems which utilize the transmission and/or transference of voice, sound, vision and digital for commercial, education, security and entertainment purposes for the following: TV monitoring and surveillance, background-foreground music, intercom and telephone interconnect, inventory control systems, microwave transmission, multi-media, multiplex, nurse call system, radio page, school intercom and sound, burglar alarms, and low voltage master clock systems.

A. SOUND AND VOICE TRANSMISSION/TRANSFERENCE SYSTEMS
Background foreground music, Intercom and telephone interconnect systems, Telephone systems Nurse call systems, Radio page systems, School intercom and sound systems, Burglar alarm systems, Low voltage, master clock systems, Multi-media/multiplex systems, Sound and musical entertainment systems, RF systems, Antennas and Wave Guide,

B. FIRE ALARM SYSTEMS Installation, wire pulling and testing

C. TELEVISION AND VIDEO SYSTEMS Television monitoring and surveillance systems Video security systems, Video entertainment systems, Video educational systems, Microwave transmission systems, CATV and CCTV

D. SECURITY SYSTEMS Perimeter security systems Vibration sensor systems Card access systems Access control systems, Sonar/infrared monitoring equipment

E. COMMUNICATIONS SYSTEMS THAT TRANSMIT OR RECEIVE INFORMATION AND/OR CONTROL SYSTEMS THAT ARE INTRINSIC TO THE ABOVE LISTED SYSTEMS SCADA (Supervisory Control and Data Acquisition) PCM (Pulse Code Modulation) Inventory Control Systems, Digital Data Systems Broadband and Baseband and Carriers Point of Sale Systems, VSAT Data Systems Data Communication Systems RF and Remote Control Systems, Fiber Optic Data Systems

WORK EXCLUDED Raceway systems are not covered (excluding Ladder-Rack for the purpose of the above listed systems). Chases and/or nipples (not to exceed 10 feet) may be installed on open wiring systems. Energy management systems. SCADA (Supervisory Control and Data Acquisition) when not intrinsic to the above listed systems (in the scope). Fire alarm systems when installed in raceways (including wire and cable pulling) shall be performed at the electrician wage rate, when either of the following two (2) conditions apply:
1. The project involves new or major remodel building trades

construction.
2. The conductors for the fire alarm system are installed in conduit.

ELEC0234-001 12/01/2008

MONTEREY, SAN BENITO AND SANTA CRUZ COUNTIES

	Rates	Fringes
ELECTRICIAN	$ 38.24	3%+19.11

ELEC0302-001 12/01/2008

CONTRA COSTA COUNTY

	Rates	Fringes
CABLE SPLICER	$ 49.06	3%+18.50
ELECTRICIAN	$ 43.16	3%+18.50

ELEC0332-001 12/01/2008

SANTA CLARA COUNTY

	Rates	Fringes
CABLE SPLICER	$ 54.71	3%+19.18
ELECTRICIAN	$ 47.57	3%+19.18

FOOTNOTES: Work under compressed air or where gas masks are required, orwork on ladders, scaffolds, stacks, "Bosun's chairs," or other structures and where the workers are not protected by permanent guard rails at a distance of 40 to 60 ft. from the ground or supporting structures: to be paid one and one-half times the straight-time rate of pay.
Work on structures of 60 ft. or over (as described above): to be paid twice the straight-time rate of pay.

ELEC0595-001 06/01/2008

ALAMEDA COUNTY

	Rates	Fringes
CABLE SPLICER	$ 50.06	3%+21.25
ELECTRICIAN	$ 44.50	3%+21.25

ELEC0595-002 12/01/2008

CALAVERAS AND SAN JOAQUIN COUNTIES

	Rates	Fringes

CABLE SPLICER.....$ 37.69 7.5%+19.54
ELECTRICIAN
(1) Tunnel work.....$ 35.18 7.5%+19.54
(2) All other work.....$ 33.50 7.5%+19.54

ELEC0617-001 08/01/2007

SAN MATEO COUNTY

	Rates	Fringes
ELECTRICIAN	$ 47.45	17.05

ELEC0684-001 07/01/2008

MARIPOSA, MERCED, STANISLAUS AND TUOLUMNE COUNTIES

	Rates	Fringes
ELECTRICIAN	$ 33.62	3%+16.05

CABLE SPLICER = 110% of Journeyman Electrician

ELEC1245-001 06/01/2008

	Rates	Fringes
LINE CONSTRUCTION		
(1) Lineman; Cable splicer	$ 43.07	12.57
(2) Equipment specialist (operates crawler tractors, commercial motor vehicles, backhoes, trenchers, cranes (50 tons and below), overhead & underground distribution line equipment)	$ 34.40	11.53
(3) Groundman	$ 26.31	11.29
(4) Powderman	$ 38.46	11.69

HOLIDAYS: New Year's Day, M.L. King Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day and day after Thanksgiving, Christmas Day

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ELEV0008-001 01/01/2009

	Rates	Fringes
ELEVATOR MECHANIC	$ 53.66	18.285

FOOTNOTE:
PAID VACATION: Employer contributes 8% of regular hourly rate as vacation pay credit for employees with more than 5 years of service, and 6% for 6 months to 5 years of service.

PAID HOLIDAYS: New Years Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, Friday after Thanksgiving, and Christmas Day.

ENGI0003-008 07/01/2008

	Rates	Fringes
Dredging: (DREDGING: CLAMSHELL & DIPPER DREDGING; HYDRAULIC SUCTION DREDGING:)		
AREA 1:		
(1) Leverman	$ 37.24	21.78
(2) Dredge Dozer; Heavy duty repairman	$ 32.28	21.78
(3) Booster Pump Operator; Deck Engineer; Deck mate; Dredge Tender; Winch Operator	$ 31.16	21.78
(4) Bargeman; Deckhand; Fireman; Leveehand; Oiler	$ 27.86	21.78
AREA 2:		
(1) Leverman	$ 39.24	21.78
(2) Dredge Dozer; Heavy duty repairman	$ 34.28	21.78
(3) Booster Pump Operator; Deck Engineer; Deck mate; Dredge Tender; Winch Operator	$ 33.16	21.78
(4) Bargeman; Deckhand; Fireman; Leveehand; Oiler	$ 29.86	21.78

AREA DESCRIPTIONS

AREA 1: ALAMEDA,BUTTE, CONTRA COSTA, KINGS, MARIN, MERCED, NAPA, SACRAMENTO, SAN BENITO, SAN FRANCISCO, SAN JOAQUIN, SAN MATEO, SANTA CLARA, SANTA CRUZ, SOLANO, STANISLAUS, SUTTER, YOLO, AND YUBA COUNTIES

AREA 2: MODOC COUNTY

THE REMAINGING COUNTIES ARE SPLIT BETWEEN AREA 1 AND AREA 2 AS NOTED BELOW:

ALPINE COUNTY:
Area 1: Northernmost part
Area 2: Remainder

CALAVERAS COUNTY:
Area 1: Remainder
Area 2: Eastern part

COLUSA COUNTY:
Area 1: Eastern part
Area 2: Remainder

ELDORADO COUNTY:
Area 1: North Central part
Area 2: Remainder

FRESNO COUNTY:
Area 1: Remainder
Area 2: Eastern part

GLENN COUNTY:
Area 1: Eastern part
Area 2: Remainder

LASSEN COUNTY:
Area 1: Western part along the Southern portion of border with Shasta County
Area 2: Remainder

MADERA COUNTY:
Area 1: Except Eastern part
Area 2: Eastern part

MARIPOSA COUNTY
Area 1: Except Eastern part
Area 2: Eastern part

MONTERREY COUNTY
Area 1: Except Southwestern part
Area 2: Southwestern part

NEVADA COUNTY:
Area 1: All but the Northern portion along the border of Sierra County
Area 2: Remainder

PLACER COUNTY:
Area 1: Al but the Central portion
Area 2: Remainder

PLUMAS COUNTY:
Area 1: Western portion
Area 2: Remainder

SHASTA COUNTY:
Area 1: All but the Northeastern corner
Area 2: Remainder

SIERRA COUNTY:
Area 1: Western part
Area 2: Remainder

SISKIYOU COUNTY:
Area 1: Central part
Area 2: Remainder

SONOMA COUNTY:
Area 1: All but the Northwestern corner
Area 2: Remainder

TEHAMA COUNTY:
Area 1: All but the Western border with Mendocino & Trinity Counties
Area 2: Remainder

TRINITY COUNTY:
Area 1: East Central part and the Northeastern border with Shasta County
Area 2: Remainder

TUOLUMNE COUNTY:
Area 1: Except Eastern part
Area 2: Eastern part

ENGI0003-018 06/30/2008

"AREA 1" WAGE RATES ARE LISTED BELOW

"AREA 2" RECEIVES AN ADDITIONAL $2.00 PER HOUR ABOVE AREA 1 RATES.

SEE AREA DEFINITIONS BELOW

	Rates	Fringes
POWER EQUIPMENT OPERATOR (AREA 1:)		
GROUP 1	$ 36.77	20.89
GROUP 2	$ 35.24	20.89
GROUP 3	$ 33.76	20.89
GROUP 4	$ 32.38	20.89
GROUP 5	$ 31.11	20.89
GROUP 6	$ 29.79	20.89
GROUP 7	$ 28.65	20.89
GROUP 8	$ 27.51	20.89
GROUP 8-A	$ 27.30	20.89
POWER EQUIPMENT OPERATOR (Cranes and Attachments - AREA 1:)		
GROUP 1		
Cranes	$ 37.65	20.89
Oiler	$ 28.39	20.89
Truck crane oiler	$ 30.68	20.89
GROUP 2		
Cranes	$ 35.89	20.89

Oiler.....$ 28.18 20.89
Truck crane oiler.....$ 30.42 20.89
GROUP 3
Cranes.....$ 34.14 20.89
Hydraulic.....$ 29.79 20.89
Oiler.....$ 27.90 20.89
Truck Crane Oiler.....$ 30.18 20.89
POWER EQUIPMENT OPERATOR
(Piledriving - AREA 1:)
GROUP 1
Lifting devices.....$ 37.99 20.89
Oiler.....$ 28.73 20.89
Truck crane oiler.....$ 31.01 20.89
GROUP 2
Lifting devices.....$ 36.17 20.89
Oiler.....$ 28.46 20.89
Truck Crane Oiler.....$ 30.76 20.89
GROUP 3
Lifting devices.....$ 34.49 20.89
Oiler.....$ 28.24 20.89
Truck Crane Oiler.....$ 30.47 20.89
GROUP 4.....$ 32.72 20.89
GROUP 5.....$ 30.08 20.89
GROUP 6.....$ 27.85 20.89
POWER EQUIPMENT OPERATOR
(Steel Erection - AREA 1:)
GROUP 1
Cranes.....$ 38.62 20.89
Oiler.....$ 29.07 20.89
Truck Crane Oiler.....$ 31.30 20.89
GROUP 2
Cranes.....$ 36.85 20.89
Oiler.....$ 28.80 20.89
Truck Crane Oiler.....$ 31.08 20.89
GROUP 3
Cranes.....$ 35.37 20.89
Hydraulic.....$ 30.42 20.89
Oiler.....$ 28.58 20.89
Truck Crane Oiler.....$ 30.81 20.89
GROUP 4.....$ 33.35 20.89
GROUP 5.....$ 32.05 20.89
POWER EQUIPMENT OPERATOR
(Tunnel and Underground Work
- AREA 1:)
SHAFTS, STOPES, RAISES:
GROUP 1.....$ 32.87 20.89
GROUP 1-A.....$ 35.34 20.89
GROUP 2.....$ 31.61 20.89
GROUP 3.....$ 30.28 20.89
GROUP 4.....$ 29.14 20.89
GROUP 5.....$ 28.00 20.89
UNDERGROUND:
GROUP 1.....$ 32.77 20.89
GROUP 1-A.....$ 35.24 20.89

GROUP 2.....	$ 31.51	20.89
GROUP 3.....	$ 30.18	20.89
GROUP 4.....	$ 29.04	20.89
GROUP 5.....	$ 27.90	20.89

FOOTNOTE: Work suspended by ropes or cables, or work on a Yo-Yo Cat: $.60 per hour additional.

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Operator of helicopter (when used in erection work); Hydraulic excavator, 7 cu. yds. and over; Power shovels, over 7 cu. yds.

GROUP 2: Highline cableway; Hydraulic excavator, 3-1/2 cu. yds. up to 7 cu. yds.; Licensed construction work boat operator, on site; Power blade operator (finish); Power shovels, over 1 cu. yd. up to and including 7 cu. yds. m.r.c.

GROUP 3: Asphalt milling machine; Cable backhoe; Combination backhoe and loader over 3/4 cu. yds.; Continuous flight tie back machine assistant to engineer or mechanic; Crane mounted continuous flight tie back machine, tonnage to apply; Crane mounted drill attachment, tonnage to apply; Dozer, slope brd; Gradall; Hydraulic excavator, up to 3 1/2 cu. yds.; Loader 4 cu. yds. and over; Long reach excavator; Multiple engine scraper (when used as push pull); Power shovels, up to and including 1 cu. yd.; Pre-stress wire wrapping machine; Side boom cat, 572 or larger; Track loader 4 cu. yds. and over; Wheel excavator (up to and including 750 cu. yds. per hour)

GROUP 4: Asphalt plant engineer/box person; Chicago boom; Combination backhoe and loader up to and including 3/4 cu. yd.; Concrete batch plant (wet or dry); Dozer and/or push cat; Pull- type elevating loader; Gradesetter, grade checker (GPS, mechanical or otherwise); Grooving and grinding machine; Heading shield operator; Heavy-duty drilling equipment, Hughes, LDH, Watson 3000 or similar; Heavy-duty repairperson and/or welder; Lime spreader; Loader under 4 cu. yds.; Lubrication and service engineer (mobile and grease rack); Mechanical finishers or spreader machine (asphalt, Barber-Greene and similar); Miller Formless M-9000 slope paver or similar; Portable crushing and screening plants; Power blade support; Roller operator, asphalt; Rubber-tired scraper, self-loading (paddle-wheels, etc.); Rubber- tired earthmoving equipment (scrapers); Slip form paver (concrete); Small tractor with drag; Soil stabilizer (P & H or equal); Spider plow and spider puller; Tubex pile rig; Unlicensed constuction work boat operator, on site; Timber skidder; Track loader up to 4 yds.; Tractor-drawn scraper; Tractor, compressor drill

combination; Welder; Woods-Mixer (and other similar Pugmill equipment)

GROUP 5: Cast-in-place pipe laying machine; Combination slusher and motor operator; Concrete conveyor or concrete pump, truck or equipment mounted; Concrete conveyor, building site; Concrete pump or pumpcrete gun; Drilling equipment, Watson 2000, Texoma 700 or similar; Drilling and boring machinery, horizontal (not to apply to waterliners, wagon drills or jackhammers); Concrete mixer/all; Person and/or material hoist; Mechanical finishers (concrete) (Clary, Johnson, Bidwell Bridge Deck or similar types); Mechanical burm, curb and/or curb and gutter machine, concrete or asphalt); Mine or shaft hoist; Portable crusher; Power jumbo operator (setting slip-forms, etc., in tunnels); Screed (automatic or manual); Self-propelled compactor with dozer; Tractor with boom D6 or smaller; Trenching machine, maximum digging capacity over 5 ft. depth; Vermeer T-600B rock cutter or similar

GROUP 6: Armor-Coater (or similar); Ballast jack tamper; Boom- type backfilling machine; Assistant plant engineer; Bridge and/or gantry crane; Chemical grouting machine, truck-mounted; Chip spreading machine operator; Concrete saw (self-propelled unit on streets, highways, airports and canals); Deck engineer; Drilling equipment Texoma 600, Hughes 200 Series or similar up to and including 30 ft. m.r.c.; Drill doctor; Helicopter radio operator; Hydro-hammer or similar; Line master; Skidsteer loader, Bobcat larger than 743 series or similar (with attachments); Locomotive; Lull hi-lift or similar; Oiler, truck mounted equipment; Pavement breaker, truck-mounted, with compressor combination; Paving fabric installation and/or laying machine; Pipe bending machine (pipelines only); Pipe wrapping machine (tractor propelled and supported); Screed (except asphaltic concrete paving); Self- propelled pipeline wrapping machine; Soils & materials tester; Tractor; Self-loading chipper; Concrete barrier moving machine

GROUP 7: Ballast regulator; Boom truck or dual-purpose A-frame truck, non-rotating - under 15 tons; Truck-mounted rotating telescopic boom type lifting device, Manitex or similar (boom truck) - under 15 tons; Cary lift or similar; Combination slurry mixer and/or cleaner; Drilling equipment, 20 ft. and under m.r.c.; Firetender (hot plant); Grouting machine operator; Highline cableway signalperson; Stationary belt loader (Kolman or similar); Lift slab machine (Vagtborg and similar types); Maginnes internal full slab vibrator; Material hoist (1 drum); Mechanical trench shield; Pavement breaker with or without compressor combination); Pipe cleaning machine (tractor propelled and supported); Post driver; Roller (except asphalt); Chip Seal; Self-propelled automatically applied concrete curing

mahcine (on streets, highways, airports and canals); Self-propelled compactor (without dozer); Signalperson; Slip-form pumps (lifting device for concrete forms); Tie spacer; Tower mobile; Trenching machine, maximum digging capacity up to and including 5 ft. depth; Truck- type loader

GROUP 8: Bit sharpener; Boiler tender; Box operator; Brakeperson; Combination mixer and compressor (shotcrete/gunite); Compressor operator; Deckhand; Fire tender; Forklift (under 20 ft.); Generator; Gunite/shotcrete equipment operator; Hydraulic monitor; Ken seal machine (or similar); Mixermobile; Oiler; Pump operator; Refrigeration plant; Reservoir-debris tug (self-propelled floating); Ross Carrier (construction site); Rotomist operator; Self-propelled tape machine; Shuttlecar; Self-propelled power sweeper operator (includes vacuum sweeper); Slusher operator; Surface heater; Switchperson; Tar pot firetender; Tugger hoist, single drum; Vacuum cooling plant; Welding machine (powered other than by electricity)

GROUP 8-A: Elevator operator; Skidsteer loader-Bobcat 743 series or smaller, and similar (without attachments); Mini excavator under 25 H.P. (backhoe-trencher); Tub grinder wood chipper

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ALL CRANES AND ATTACHMENTS

GROUP 1: Clamshell and dragline over 7 cu. yds.; Crane, over 100 tons; Derrick, over 100 tons; Derrick barge pedestal-mounted, over 100 tons; Self-propelled boom-type lifting device, over 100 tons

GROUP 2: Clamshell and dragline over 1 cu. yd. up to and including 7 cu. yds.; Crane, over 45 tons up to and including 100 tons; Derrick barge, 100 tons and under; Self-propelled boom-type lifting device, over 45 tons; Tower crane

GROUP 3: Clamshell and dragline up to and including 1 cu. yd.; Cranes 45 tons and under; Self-propelled boom-type lifting device 45 tons and under; Boom Truck or dual purpose A-frame truck, non-rotating over 15 tons; Truck-mounted rotating telescopic boom type lifting device, Manitex or similar (boom truck) over 15 tons;

PILEDRIVERS

GROUP 1: Derrick barge pedestal mounted over 100 tons; Clamshell over 7 cu. yds.; Self-propelled boom-type lifting

device over 100 tons; Truck crane or crawler, land or barge mounted over 100 tons

GROUP 2: Derrick barge pedestal mounted 45 tons to and including 100 tons; Clamshell up to and including 7 cu. yds.; Self-propelled boom-type lifting device over 45 tons; Truck crane or crawler, land or barge mounted, over 45 tons up to and including 100 tons; Fundex F-12 hydraulic pile rig

GROUP 3: Derrick barge pedestal mounted under 45 tons; Self-propelled boom-type lifting device 45 tons and under; Skid/scow piledriver, any tonnage; Truck crane or crawler, land or barge mounted 45 tons and under

GROUP 4: Assistant operator in lieu of assistant to engineer; Forklift, 10 tons and over; Heavy-duty repairperson/welder

GROUP 5: Deck engineer

GROUP 6: Deckhand; Fire tender

STEEL ERECTORS

GROUP 1: Crane over 100 tons; Derrick over 100 tons; Self-propelled boom-type lifting device over 100 tons

GROUP 2: Crane over 45 tons to 100 tons; Derrick under 100 tons; Self-propelled boom-type lifting device over 45 tons to 100 tons; Tower crane

GROUP 3: Crane, 45 tons and under; Self-propelled boom-type lifting device, 45 tons and under

GROUP 4: Chicago boom; Forklift, 10 tons and over; Heavy-duty repair person/welder

GROUP 5: Boom cat

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TUNNEL AND UNDERGROUND WORK

GROUP 1-A: Tunnel bore machine operator, 20' diameter or more

GROUP 1: Heading shield operator; Heavy-duty repairperson; Mucking machine (rubber tired, rail or track type); Raised bore operator (tunnels); Tunnel mole bore operator

GROUP 2: Combination slusher and motor operator; Concrete pump or pumpcrete gun; Power jumbo operator

GROUP 3: Drill doctor; Mine or shaft hoist

GROUP 4: Combination slurry mixer cleaner; Grouting Machine operator; Motorman

GROUP 5: Bit Sharpener; Brakeman; Combination mixer and compressor (gunite); Compressor operator; Oiler; Pump operator; Slusher operator

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AREA DESCRIPTIONS:

POWER EQUIPMENT OPERATORS, CRANES AND ATTACHMENTS,TUNNEL AND UNDERGROUND [These areas do not apply to Piledrivers and Steel Erectors]

AREA 1: ALAMEDA, BUTTE, CONTRA COSTA, KINGS, MARIN, MERCED, NAPA, SACRAMENTO, SAN BENITO, SAN FRANCISCO, SAN JOAQUIN, SAN MATEO, SANTA CLARA, SANTA CRUZ, SOLANO, STANISLAUS, SUTTER, YOLO, AND YUBA COUNTIES

AREA 2 - MODOC COUNTY

THE REMAINING COUNTIES ARE SPLIT BETWEEN AREA 1 AND AREA 2 AS NOTED BELOW:

ALPINE COUNTY:
Area 1: Northernmost part
Area 2: Remainder

CALAVERAS COUNTY:
Area 1: Except Eastern part
Area 2: Eastern part

COLUSA COUNTY:
Area 1: Eastern part
Area 2: Remainder

DEL NORTE COUNTY:
Area 1: Extreme Southwestern corner
Area 2: Remainder

ELDORADO COUNTY:
Area 1: North Central part
Area 2: Remainder

FRESNO COUNTY
Area 1: Except Eastern part
Area 2: Eastern part

GLENN COUNTY:
Area 1: Eastern part
Area 2: Remainder

HUMBOLDT COUNTY:
Area 1: Except Eastern and Southwestern parts
Area 2: Remainder

LAKE COUNTY:
Area 1: Southern part
Area 2: Remainder

LASSEN COUNTY:
Area 1: Western part along the Southern portion of border with Shasta County
Area 2: Remainder

MADERA COUNTY
Area 1: Remainder
Area 2: Eastern part

MARIPOSA COUNTY
Area 1: Remainder
Area 2: Eastern part

MENDOCINO COUNTY:
Area 1: Central and Southeastern parts
Area 2: Remainder

MONTEREY COUNTY
Area 1: Remainder
Area 2: Southwestern part

NEVADA COUNTY:
Area 1: All but the Northern portion along the border of Sierra County
Area 2: Remainder

PLACER COUNTY:
Area 1: All but the Central portion
Area 2: Remainder

PLUMAS COUNTY:
Area 1: Western portion
Area 2: Remainder

SHASTA COUNTY:
Area 1: All but the Northeastern corner
Area 2: Remainder

SIERRA COUNTY:
Area 1: Western part
Area 2: Remainder

SISKIYOU COUNTY:
Area 1: Central part
Area 2: Remainder

SONOMA COUNTY:
Area 1: All but the Northwestern corner
Area 2: Reaminder

TEHAMA COUNTY:
Area 1: All but the Western border with mendocino & Trinity Counties
Area 2: Remainder

TRINITY COUNTY:
Area 1: East Central part and the Northeaster border with Shasta County
Area 2: Remainder

TULARE COUNTY;
Area 1: Remainder
Area 2: Eastern part

TUOLUMNE COUNTY:
Area 1: Remainder
Area 2: Eastern Part

ENGI0003-019 06/30/2008

SEE AREA DESCRIPTIONS BELOW

	Rates	Fringes
POWER EQUIPMENT OPERATOR (LANDSCAPE WORK ONLY)		
GROUP 1		
AREA 1	$ 28.11	20.26
AREA 2	$ 30.11	20.26
GROUP 2		
AREA 1	$ 24.51	20.26
AREA 2	$ 26.51	20.26
GROUP 3		
AREA 1	$ 19.90	20.26
AREA 2	$ 21.90	20.26

GROUP DESCRIPTIONS:

GROUP 1: Landscape Finish Grade Operator: All finish grade work regardless of equipment used, and all equipment with a rating more than 65 HP.

GROUP 2: Landscape Operator up to 65 HP: All equipment with a manufacturer's rating of 65 HP or less except equipment covered by Group 1 or Group 3. The following equipment shall be included except when used for finish work as long as manufacturer's rating is 65 HP or less: A-Frame and Winch Truck, Backhoe, Forklift, Hydragraphic Seeder Machine, Roller, Rubber-Tired and Track Earthmoving

Equipment, Skiploader, Straw Blowers, and Trencher 31 HP up to 65 HP.

GROUP 3: Landscae Utility Operator: Small Rubber-Tired Tractor, Trencher Under 31 HP.

AREA DESCRIPTIONS:

AREA 1: ALAMEDA, BUTTE, CONTRA COSTA, KINGS, MARIN, MERCED, NAPA, SACRAMENTO, SAN BENITO, SAN FRANCISCO, SAN JOAQUIN, SAN MATEO, SANTA CLARA, SANTA CRUZ, SOLANO, STANISLAUS, SUTTER, YOLO, AND YUBA COUNTIES

AREA 2 - MODOC COUNTY

THE REMAINING COUNTIES ARE SPLIT BETWEEN AREA 1 AND AREA 2 AS NOTED BELOW:

ALPINE COUNTY:
Area 1: Northernmost part
Area 2: Remainder

CALAVERAS COUNTY:
Area 1: Except Eastern part
Area 2: Eastern part

COLUSA COUNTY:
Area 1: Eastern part
Area 2: Remainder

DEL NORTE COUNTY:
Area 1: Extreme Southwestern corner
Area 2: Remainder

ELDORADO COUNTY:
Area 1: North Central part
Area 2: Remainder

FRESNO COUNTY
Area 1: Except Eastern part
Area 2: Eastern part

GLENN COUNTY:
Area 1: Eastern part
Area 2: Remainder

HUMBOLDT COUNTY:
Area 1: Except Eastern and Southwestern parts
Area 2: Remainder

LAKE COUNTY:
Area 1: Southern part
Area 2: Remainder

LASSEN COUNTY:
Area 1: Western part along the Southern portion of border with Shasta County
Area 2: Remainder

MADERA COUNTY
Area 1: Remainder
Area 2: Eastern part

MARIPOSA COUNTY
Area 1: Remainder
Area 2: Eastern part

MENDOCINO COUNTY:
Area 1: Central and Southeastern parts
Area 2: Remainder

MONTEREY COUNTY
Area 1: Remainder
Area 2: Southwestern part

NEVADA COUNTY:
Area 1: All but the Northern portion along the border of Sierra County
Area 2: Remainder

PLACER COUNTY:
Area 1: All but the Central portion
Area 2: Remainder

PLUMAS COUNTY:
Area 1: Western portion
Area 2: Remainder

SHASTA COUNTY:
Area 1: All but the Northeastern corner
Area 2: Remainder

SIERRA COUNTY:
Area 1: Western part
Area 2: Remainder

SISKIYOU COUNTY:
Area 1: Central part
Area 2: Remainder

SONOMA COUNTY:
Area 1: All but the Northwestern corner
Area 2: Reaminder

TEHAMA COUNTY:
Area 1: All but the Western border with mendocino & Trinity Counties
Area 2: Remainder

TRINITY COUNTY:
Area 1: East Central part and the Northeaster border with Shasta County
Area 2: Remainder

TULARE COUNTY;
Area 1: Remainder
Area 2: Eastern part

TUOLUMNE COUNTY:
Area 1: Remainder
Area 2: Eastern Part

IRON0002-004 07/01/2008

	Rates	Fringes
Ironworkers:		
Fence Erector	$ 25.96	14.08
Ornamental, Reinforcing and Structural	$ 31.83	22.17

PREMIUM PAY:

$6.00 additional per hour at the following locations:

China Lake Naval Test Station, Chocolate Mountains Naval Reserve-Niland,
Edwards AFB, Fort Irwin Military Station, Fort Irwin Training Center-Goldstone, San Clemente Island, San Nicholas Island, Susanville Federal Prison, 29 Palms - Marine Corps, U.S. Marine Base - Barstow, U.S. Naval Air Facility - Sealey, Vandenberg AFB

$4.00 additional per hour at the following locations:

Army Defense Language Institute - Monterey, Fallon Air Base, Naval Post Graduate School - Monterey, Yermo Marine Corps Logistics Center

$2.00 additional per hour at the following locations:

Port Hueneme, Port Mugu, U.S. Coast Guard Station - Two Rock

LABO0036-001 07/01/2007

SAN FRANCISCO AND SAN MATEO COUNTIES:

	Rates	Fringes
MASON TENDER, BRICK	$ 26.93	16.50

FOOTNOTES: Underground work such as sewers, manholes, catch

basins, sewer pipes, telephone conduits, tunnels and cut trenches: $5.00 per day additional. Work in live sewage: $2.50 per day additional.

LABO0036-002 07/01/2007

SAN FRANCISCO AND SAN MATEO COUNTIES:

	Rates	Fringes
PLASTER TENDER	$ 26.48	16.23

FOOTNOTES: Work on a suspended scaffold: $5.00 per day additional. Work operating a plaster mixer pump gun: $1.00 per hour additional.

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* LABO0067-002 12/01/2008

AREA "A" - ALAMEDA, CONTRA COSTA, MARIN, SAN FRANCISCO, SAN MATEO AND SANTA CLARA COUNTIES

AREA "B" - ALPINE, AMADOR, BUTTE, CALAVERAS, COLUSA, DEL NORTE, EL DORADO, FRESNO, GLENN, HUMBOLDT, KINGS, LAKE, LASSEN, MADERA, MARIPOSA, MENDOCINO, MERCED, MODOC, MONTEREY, NAPA, NEVADA, PLACER, PLUMAS, SACRAMENTO, SAN BENITO, SAN JOAQUIN, SANTA CRUZ, SHASTA, SIERRA, SISKIYOU, SOLANO, SONOMA, STANISLAUS, SUTTER, TEHAMA, TRINITY, TULARE, TUOLUMNE, YOLO AND YUBA COUNTIES

	Rates	Fringes
Asbestos Removal Laborer		
Areas A & B	$ 18.08	6.60
LABORER (Lead Removal)		
Area A	$ 34.15	6.11
Area B	$ 33.15	6.11

ASBESTOS REMOVAL-SCOPE OF WORK: Site mobilization; initial site clean-up; site preparation; removal of asbestos-containing materials from walls and ceilings; or from pipes, boilers and mechanical systems only if they are being scrapped; encapsulation, enclosure and disposal of asbestos-containing materials by hand or with equipment or machinery; scaffolding; fabrication of temporary wooden barriers; and assembly of decontamination stations.

LABO0067-003 07/01/2008

AREA A: ALAMEDA, CONTRA COSTA, MARIN, SAN FRANCISCO, SAN MATEO & SANTA CLARA

AREA B: ALPINE, AMADOR, BUTTE, CALAVERAS, COLUSA, DEL NORTE, EL DORADO, FRESNO, GLENN, HUMBOLDT, KINGS, LAKE, LASSEN,

MADERA, MARIPOSA, MENOCINO, MERCED, MODOC, MONTEREY, NAPA, NEVADA, PLACER, PLUMAS, SANCRMENTO, SAN BENITO, SAN JOAQUIN, SANTA CRUZ, SIERRA, SHASTA, SISKIYOU, SOLANO, SONOMA, STANISLAUS,TEHAMA,TRINITY, TULARE, TUOLUMNE, YOLO & YUBA COUNTIES

	Rates	Fringes
LABORER (TRAFFIC CONTROL/LANE CLOSURE)		
Escort Driver, Flag Person		
Area A	$ 25.89	14.13
Area B	$ 24.89	14.13
Traffic Control Person I		
Area A	$ 26.19	14.13
Area B	$ 25.19	14.13
Traffic Control Person II		
Area A	$ 23.69	14.13
Area B	$ 22.69	14.13

TRAFFIC CONTROL PERSON I: Layout of traffic control, crash cushions, construction area and roadside signage.

TRAFFIC CONTROL PERSON II: Installation and removal of temporary/permanent signs, markers, delineators and crash cushions.

LABO0067-006 06/30/2008

AREA "A" - ALAMEDA, CONTRA COSTA, MARIN, SAN FRANCISCO, SAN MATEO AND SANTA CLARA COUNTIES

AREA "B" - ALPINE, AMADOR, BUTTE, CALAVERAS, COLUSA, EL DORADO, FRESNO, GLENN, KINGS, LASSEN, MADERA, MARIPOSA, MERCED, MODOC, MONTEREY, NAPA, NEVADA, PLACER, PLUMAS, SACRAMENTO, SAN BENITO, SAN JOAQUIN, SANTA CRUZ, SHASTA, SIERRA, SISKIYOU, SOLANO, SONOMA, STANISLAUS, SUTTER, TEHAMA, TRINITY, TULARE, TUOLUMNE, YOLO AND YUBA COUNTIES

	Rates	Fringes
Laborers: (CONSTRUCTION CRAFT LABORERS - AREA A:)		
Construction Specialist Group	$ 26.84	14.13
GROUP 1	$ 26.14	14.13
GROUP 1-a	$ 26.36	14.13
GROUP 1-c	$ 26.19	14.13
GROUP 1-e	$ 26.69	14.13
GROUP 1-f	$ 26.72	14.13
GROUP 1-g (Contra Costa County)	$ 26.34	14.13

GROUP 2.....$ 25.99 14.13
GROUP 3.....$ 25.89 14.13
GROUP 4.....$ 19.58 14.13
See groups 1-b and 1-d under laborer classifications.
Laborers: (CONSTRUCTION CRAFT LABORERS - AREA B:)
Construction Specialist Group.....$ 25.84 14.13
GROUP 1.....$ 25.14 14.13
GROUP 1-a.....$ 25.36 14.13
GROUP 1-c.....$ 25.19 14.13
GROUP 1-e.....$ 25.69 14.13
GROUP 1-f.....$ 25.72 14.13
GROUP 2.....$ 24.99 14.13
GROUP 3.....$ 24.89 14.13
GROUP 4.....$ 18.58 14.13
See groups 1-b and 1-d under laborer classifications.
Laborers: (GUNITE - AREA A:)
GROUP 1.....$ 27.10 14.13
GROUP 2.....$ 26.60 14.13
GROUP 3.....$ 26.01 14.13
GROUP 4.....$ 25.89 14.13
Laborers: (GUNITE - AREA B:)
GROUP 1.....$ 26.10 14.13
GROUP 2.....$ 25.60 14.13
GROUP 3.....$ 25.01 14.13
GROUP 4.....$ 24.89 14.13
Laborers: (WRECKING - AREA A:)
GROUP 1.....$ 26.14 14.13
GROUP 2.....$ 25.99 14.13
Laborers: (WRECKING - AREA B:)
GROUP 1.....$ 25.14 14.13
GROUP 2.....$ 24.99 14.13
Landscape Laborer (GARDENERS, HORTICULTURAL & LANDSCAPE LABORERS - AREA A:)
(1) New Construction.....$ 25.89 14.13
(2) Establishment Warranty Period.....$ 19.58 14.13
Landscape Laborer (GARDENERS, HORTICULURAL & LANDSCAPE LABORERS - AREA B:)
(1) New Construction.....$ 24.89 14.13
(2) Establishment Warranty Period.....$ 18.58 12.33

FOOTNOTES:
Laborers working off or with or from bos'n chairs, swinging scaffolds, belts shall receive $0.25 per hour above the applicable wage rate. This shall not apply to workers entitled to receive the wage rate set forth in Group 1-a below.

LABORER CLASSIFICATIONS

CONSTRUCTION SPECIALIST GROUP: Asphalt ironer and raker; Chainsaw; Laser beam in connection with laborers' work; Cast-in- place manhole form setter; Pressure pipelayer; Davis trencher - 300 or similar type (and all small trenchers); Blaster; Diamond driller; Multiple unit drill; Hydraulic drill

GROUP 1: Asphalt spreader boxes (all types); Barko, Wacker and similar type tampers; Buggymobile; Caulker, bander, pipewrapper, conduit layer, plastic pipelayer; Certified hazardous waste worker including Leade Abatement; Compactors of all types; Concrete and magnesite mixer, 1/2 yd. and under; Concrete pan work; Concrete sander; Concrete saw; Cribber and/or shoring; Cut granite curb setter; Dri-pak-it machine; Faller, logloader and bucker; Form raiser, slip forms; Green cutter; Headerboard, Hubsetter, aligner, by any method; High pressure blow pipe (1-1/2" or over, 100 lbs. pressure/over); Hydro seeder and similar type; Jackhammer operator; Jacking of pipe over 12 inches; Jackson and similar type compactor; Kettle tender, pot and worker applying asphalt, lay-kold, creosote, lime, caustic and similar type materials (applying means applying, dipping or handling of such materials); Lagging, sheeting, whaling, bracing, trenchjacking, lagging hammer; Magnesite, epoxyresin, fiberglass, mastic worker (wet or dry); No joint pipe and stripping of same, including repair of voids; Pavement breaker and spader, including tool grinder; Perma curb; Pipelayer (including grade checking in connection with pipelaying); Precast-manhole setter; Pressure pipe tester; Post hole digger, air, gas and electric; Power broom sweeper; Power tampers of all types (except as shown in Group 2); Ram set gun and stud gun; Riprap stonepaver and rock-slinger, including placing of sacked concrete and/or sand (wet or dry) and gabions and similar type; Rotary scarifier or multiple head concrete chipping scarifier; Roto and Ditch Witch; Rototiller; Sandblaster, pot, gun, nozzle operators; Signalling and rigging; Tank cleaner; Tree climber; Turbo blaster; Vibrascreed, bull float in connection with laborers' work; Vibrator; Hazardous waste worker (lead removal); Asbestos and mold removal worker

GROUP 1-a: Joy drill model TWM-2A; Gardner-Denver model DH143 and similar type drills; Track driller; Jack leg driller; Wagon driller; Mechanical drillers, all types regardless of type or method of power; Mechanical pipe layers, all types regardless of type or method of power; Blaster and powder; All work of loading, placing and blasting of all powder and explosives of whatever type regardless of method used for such loading and placing; High scalers (including drilling

of same); Tree topper; Bit grinder

GROUP 1-b: Sewer cleaners shall receive $4.00 per day above Group 1 wage rates. "Sewer cleaner" means any worker who handles or comes in contact with raw sewage in small diameter sewers. Those who work inside recently active, large diameter sewers, and all recently active sewer manholes shal receive $5.00 per day above Group 1 wage rates.

GROUP 1-c: Burning and welding in connection with laborers' work; Synthetic thermoplastics and similar type welding

GROUP 1-d: Maintenance and repair track and road beds. All employees performing work covered herein shall receive $ .25 per hour above their regular rate for all work performed on underground structures not specifically covered herein. This paragraph shall not be construed to apply to work below ground level in open cut. It shall apply to cut and cover work of subway construction after the temporary cover has been placed.

GROUP 1-e: Work on and/or in bell hole footings and shafts thereof, and work on and in deep footings. (A deep footing is a hole 15 feet or more in depth.) In the event the depth of the footing is unknown at the commencement of excavation, and the final depth exceeds 15 feet, the deep footing wage rate would apply to all employees for each and every day worked on or in the excavation of the footing from the date of inception.

GROUP 1-f: Wire winding machine in connection with guniting or shot crete

GROUP 1-g, CONTRA COSTA COUNTY: Pipelayer (including grade checking in connection with pipelaying); Caulker; Bander; Pipewrapper; Conduit layer; Plastic pipe layer; Pressure pipe tester; No joint pipe and stripping of same, including repair of voids; Precast manhole setters, cast in place manhole form setters

GROUP 2: Asphalt shoveler; Cement dumper and handling dry cement or gypsum; Choke-setter and rigger (clearing work); Concrete bucket dumper and chute; Concrete chipping and grinding; Concrete laborer (wet or dry); Driller tender, chuck tender, nipper; Guinea chaser (stake), grout crew; High pressure nozzle, adductor; Hydraulic monitor (over 100 lbs. pressure); Loading and unloading, carrying and hauling of all rods and materials for use in reinforcing concrete construction; Pittsburgh chipper and similar type brush shredders; Sloper; Single foot, hand-held, pneumatic tamper; All pneumatic, air, gas and electric tools not listed in Groups 1 through 1-f; Jacking of pipe - under 12 inches

GROUP 3: Construction laborers, including bridge and general laborer; Dump, load spotter; Flag person; Fire watcher; Fence erector; Guardrail erector; Gardener, horticultural and landscape laborer; Jetting; Limber, brush loader and piler; Pavement marker (button setter); Maintenance, repair track and road beds; Streetcar and railroad construction track laborer; Temporary air and water lines, Victaulic or similar; Tool room attendant (jobsite only)

GROUP 4: Final clean-up work of debris, grounds and building including but not limited to: street cleaner; cleaning and washing windows; brick cleaner (jobsite only); material cleaner (jobsite only). The classification "material cleaner" is to be utilized under the following conditions:
A: at demolition site for the salvage of the material.
B: at the conclusion of a job where the material is to be salvaged and stocked to be reused on another job.
C: for the cleaning of salvage material at the jobsite or temporary jobsite yard.

The material cleaner classification should not be used in the performance of "form stripping, cleaning and oiling and moving to the next point of erection".

GUNITE LABORER CLASSIFICATIONS

GROUP 1: Structural Nozzleman

GROUP 2: Nozzleman, Gunman, Potman, Groundman

GROUP 3: Reboundman

GROUP 4: Gunite laborer

WRECKING WORK LABORER CLASSIFICATIONS

GROUP 1: Skilled wrecker (removing and salvaging of sash, windows and materials)

GROUP 2: Semi-skilled wrecker (salvaging of other building materials)

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* LABO0067-010 06/30/2008

	Rates	Fringes
Tunnel and Shaft Laborers:		
GROUP 1	$ 31.90	14.13
GROUP 2	$ 31.67	14.13

GROUP 3.....$ 31.42 14.13
GROUP 4.....$ 30.97 14.13
GROUP 5.....$ 30.43 14.13

TUNNEL AND SHAFT CLASSIFICATIONS

GROUP 1: Diamond driller; Groundmen; Gunite and shotcrete nozzlemen

GROUP 2: Rodmen; Shaft work & raise (below actual or excavated ground level)

GROUP 3: Bit grinder; Blaster, driller, powdermen, heading; Cherry pickermen - where car is lifted; Concrete finisher in tunnel; Concrete screedman; Grout pumpman and potman; Gunite & shotcrete gunman & potman; Headermen; High pressure nozzleman; Miner - tunnel, including top and bottom man on shaft and raise work; Nipper; Nozzleman on slick line; Sandblaster - potman, Robotic Shotcrete Placer, Segment Erector, Tunnel Muck Hauler, Steel Form raiser and setter; Timberman, retimberman (wood or steel or substitute materials therefore); Tugger (for tunnel laborer work); Cable tender; Chuck tender; Powderman - primer house

GROUP 4: Vibrator operator, pavement breaker; Bull gang - muckers, trackmen; Concrete crew - includes rodding and spreading, Dumpmen (any method)

GROUP 5: Grout crew; Reboundman; Swamper/ Brakeman, Shotcrete Specialist

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LABO0073-003 07/01/2008

CALAVERAS, MARIPOSA, MERCED, MONTEREY, SAN BENITO, SAN JOAQUIN, STANISLAUS AND TUOLUMNE COUNTIES:

	Rates	Fringes
LABORER		
Mason Tender-Brick	$ 26.03	14.13

LABO0073-005 07/01/2007

CALAVERAS, FRESNO, KINGS, MADERA, MARIPOSA, MERCED, SAN JOAQUIN, STANISLAUS & TUOLUMNE

	Rates	Fringes
Plasterer tender	$ 26.17	12.68

LABO0166-001 07/01/2006

ALAMEDA AND CONTRA COSTA COUNTIES:

	Rates	Fringes
Brick Tender	$ 25.91	14.65

FOOTNOTES: Work on jobs where heat-protective clothing is required: $2.00 per hour additional. Work at grinders: $.25 per hour additional. Manhole work: $2.00 per day additional.

LABO0166-002 07/01/2006

ALAMEDA AND CONTRA COSTA COUNTIES:

	Rates	Fringes
Plasterer tender	$ 30.15	15.90

Gun Man $0.75 per hour additional

LABO0270-001 07/01/2008

SANTA CLARA & SANTA CRUZ COUNTIES

	Rates	Fringes
MASON TENDER, BRICK		
Santa Clara	$ 27.93	13.48
Santa Cruz	$ 26.93	13.48

FOOTNOTE: $2.00 per hour for refactory work where heat-protective clothing is required.

LABO0270-005 07/01/2007

SANTA CLARA AND SANTA CRUZ COUNTIES

	Rates	Fringes
PLASTER TENDER		
4 Stories and under	$ 27.62	13.73
5 Stories and above	$ 29.54	13.73

LABO0294-001 07/01/2008

FRESNO, KINGS AND MADERA COUNTIES

	Rates	Fringes
LABORER (Brick)		
Mason Tender-Brick	$ 26.03	14.13

LABO0297-001 08/01/2007

MONTEREY AND SAN BENITO COUNTIES

	Rates	Fringes
Plasterer tender	$ 23.70	11.50

FOOTNOTE: Mixer person: $4.00 per day additional.

PAIN0016-001 01/01/2009

ALAMEDA, CONTRA COSTA, MONTEREY, SAN BENITO, SAN MATEO, SANTA CLARA, AND SANTA CRUZ COUNTIES

	Rates	Fringes
Painters:	$ 33.80	15.32

PREMIUMS:

EXOTIC MATERIALS - $0.75 additional per hour.
SPRAY WORK: - $0.50 additional per hour.
INDUSTRIAL PAINTING - $0.25 additional per hour
[Work on industrial buildings used for the manufacture and processing of goods for sale or service; steel construction (bridges), stacks, towers, tanks, and similar structures]

HIGH WORK:
over 50 feet - $2.00 per hour additional
100 to 180 feet - $4.00 per hour additional
Over 180 feet - $6.00 per houir additional

PAIN0016-003 08/01/2008

AREA 1: ALAMEDA, CONTRA COSTA, SAN FRANCISCO, SAN MATEO & SANTA CLARA COUNTIES

AREA 2: CALAVERAS, MARIPOA, MERCED, MONTEREY, SAN BENITO, SAN JOAQUIN, SANTA CRUZ, STANISLAUS & TUOLUMNE COUNTIES

	Rates	Fringes
Drywall Finisher/Taper		
Area 1	$ 38.96	14.88
Area 2	$ 34.83	13.48

PAIN0016-012 01/01/2009

ALAMEDA, CONTRA COSTA, MARIPOSA, MERCED, MONTEREY, SAN BENITO, SAN FRANCISCO, SAN MATEO, SANTA CLARA AND SANTA CRUZ COUNTIES

	Rates	Fringes

SOFT FLOOR LAYER.....$ 41.16 14.57

PAIN0016-015 01/01/2009

CALAVERAS, MARIPOSA, MERCED, SAN JOAQUIN, STANISLAUS & TUOLUMNE COUNTIES

	Rates	Fringes
PAINTER		
Brush	$ 30.07	11.86

FOOTNOTES:
SPRAY/SANDBLAST: $0.50 additional per hour.
EXOTIC MATERIALS: $1.00 additional per hour.
HIGH TIME: Over 50 ft above ground or water level $2.00 additional per hour. 100 to 180 ft above ground or water level $4.00 additional per hour. Over 180 ft above ground or water level $6.00 additional per hour.

PAIN0016-022 01/01/2009

SAN FRANCISCO COUNTY

	Rates	Fringes
PAINTER	$ 37.42	15.32

PAIN0169-001 01/14/2009

FRESNO, KINGS, MADERA, MARIPOSA AND MERCED COUNTIES:

	Rates	Fringes
GLAZIER	$ 29.68	14.10

PAIN0169-005 01/01/2009

ALAMEDA CONTRA COSTA, MONTEREY, SAN BENITO, SAN FRANCISCO, SAN MATEO, SANTA CLARA & SANTA CRUZ COUNTIES

	Rates	Fringes
GLAZIER	$ 39.31	17.11

PAIN0294-004 01/01/2009

FRESNO, KINGS AND MADERA COUNTIES

	Rates	Fringes

PAINTER
Brush, Roller.....$ 25.71 11.28
Drywall Finisher/Taper.....$ 29.26 11.78

FOOTNOTE:
Spray Painters & Paperhangers recive $1.00 additional per hour. Painters doing Drywall Patching receive $1.25 additional per hour. Lead Abaters & Sandblasters receive $1.50 additional per hour. High Time - over 30 feet (does not include work from a lift) $0.75 per hour additional.

PAIN0294-005 01/01/2009

FRESNO, KINGS & MADERA

Rates Fringes

SOFT FLOOR LAYER.....$ 27.37 11.15

PAIN0767-001 01/01/2009

CALAVERAS, SAN JOAQUIN, STANISLAUS AND TUOLUMNE COUNTIES:

Rates Fringes

GLAZIER.....$ 33.28 15.70

PAID HOLIDAYS: New Year's Day, Martin Luther King, Jr. Day, President's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, and Christmas Day.

Employee rquired to wear a body harness shall receive $1.50 per hour above the basic hourly rate at any elevation.

PAIN1176-001 07/01/2008

HIGHWAY IMPR0VEMENT

Rates Fringes

Parking Lot Striping/Highway Marking:
GROUP 1.....$ 28.11 13.12
GROUP 2.....$ 22.90 13.12
GROUP 3.....$ 22.18 13.12

CLASSIFICATIONS

GROUP 1: Striper: Layout and application of painted traffic stripes and marking; hot thermo plastic; tape, traffic stripes and markings

GROUP 2: Gamecourt & Playground Installer

GROUP 3: Protective Coating, Pavement Sealing

PAIN1237-003 01/01/2009

CALAVERAS; SAN JOAQUIN COUNTIES; STANISLAUS AND TUOLUMNE COUNTIES:

	Rates	Fringes
SOFT FLOOR LAYER	$ 29.46	12.77

PLAS0066-002 07/01/2007

ALAMEDA, CONTRA COSTA, SAN MATEO AND SAN FRANCISCO COUNTIES:

	Rates	Fringes
PLASTERER	$ 33.16	18.62

PLAS0300-001 07/01/2008

	Rates	Fringes
PLASTERER		
AREA 224: San Benito, Santa Clara, Santa Cruz	$ 34.22	13.28
AREA 295: Calaveras & San Joaquin Couonties	$ 32.82	14.50
AREA 337: Monterey County	$ 31.01	13.13
AREA 429: Mariposa, Merced, Stanislaus, Tuolumne Counties	$ 32.82	14.50

PLAS0300-005 07/01/2006

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER	$ 25.88	15.03

PLUM0038-001 07/01/2008

SAN FRANCISCO COUNTY

	Rates	Fringes
PLUMBER (Plumber, Steamfitter, Refrigeration Fitter)		
(1) Work on wooden frame structures 5 stories or less excluding high-rise buildings and commercial work such as hospitals,		

prisons, hotels and schools.$ 40.80 28.96
(2) All other work.....$ 51.00 31.44

PLUM0038-005 07/01/2008

SAN FRANCISCO COUNTY

	Rates	Fringes
Landscape/Irrigation Fitter (Underground/Utility Fitter).....	$ 40.80	22.60

PLUM0062-001 01/01/2009

MONTEREY AND SANTA CRUZ COUNTIES

	Rates	Fringes
PLUMBER & STEAMFITTER.....	$ 39.00	17.93

PLUM0159-001 07/01/2008

CONTRA COSTA COUNTY

	Rates	Fringes
Plumber and steamfitter		
(1) Refrigeration.....	$ 45.23	22.49
(2) All other work.....	$ 46.12	22.49

PLUM0246-001 01/01/2009

FRESNO, KINGS & MADERA COUNTIES

	Rates	Fringes
PLUMBER & STEAMFITTER.....	$ 34.25	18.43

PLUM0246-004 07/01/2006

FRESNO, MERCED & SAN JOAQUIN COUNIES

	Rates	Fringes
PLUMBER (PIPE TRADESMAN).....	$ 13.00	7.30

PIPE TRADESMAN SCOPE OF WORK:
Installation of corrugated metal piping for drainage, as well as installation of corrugated metal piping for culverts in connection with storm sewers and drains; Grouting, dry packing and diapering of joints, holes or chases including paving over joints, in piping; Temporary piping for dirt work for building site preparation; Operating jack hammers, pavement breakers, chipping guns, concrete saws and spades

to cut holes, chases and channels for piping systems; Digging, grading, backfilling and ground preparation for all types of pipe to all points of the jobsite; Ground preparation including ground leveling, layout and planting of shrubbery, trees and ground cover, including watering, mowing, edging, pruning and fertilizing, the breaking of concrete, digging, backfilling and tamping for the preparation and completion of all work in connection with lawn sprinkler and landscaping; Loading, unloading and distributing materials at jobsite; Putting away materials in storage bins in jobsite secure storage area; Demolition of piping and fixtures for remodeling and additions; Setting up and tearing down work benches, ladders and job shacks; Clean-up and sweeping of jobsite; Pipe wrapping and waterproofing where tar or similar material is applied for protection of buried piping; Flagman

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PLUM0342-001 07/01/2008

ALAMEDA & CONTRA COSTA COUNTIES

	Rates	Fringes
PIPEFITTER		
CONTRA COSTA COUNTY	$ 43.26	24.90
PLUMBER, PIPEFITTER, STEAMFITTER		
ALAMEDA COUNTY	$ 45.96	24.90

PLUM0355-004 07/01/2008

ALAMEDA, CALAVERAS, CONTRA COSTA, FRESNO, KINGS, MADERA, MARIPOSA, MERCED, MONTEREY, SAN BENITO, SAN JOAQUIN, SAN MATEO, SANTA CLARA, SANTA CRUZ, STANISLAUS, AND TUOLUMNE COUNTIES:

	Rates	Fringes
Underground Utility Worker /Landscape Fitter	$ 26.75	6.45

PLUM0393-001 07/01/2008

SAN BENITO AND SANTA CLARA COUNTIES

	Rates	Fringes
PLUMBER/PIPEFITTER	$ 50.41	20.58

PLUM0442-001 01/01/2009

CALAVERAS, MARIPOSA, MERCED, SAN JOAQUIN, STANISLAUS & TUOLUMNE COUNTIES

	Rates	Fringes
PLUMBER & STEAMFITTER	$ 34.50	17.93

PLUM0467-001 07/01/2008

SAN MATEO COUNTY

	Rates	Fringes
Plumber/Pipefitter/Steamfitter	$ 51.75	18.96

ROOF0027-002 01/01/2009

FRESNO, KINGS, AND MADERA COUNTIES

	Rates	Fringes
ROOFER	$ 26.75	8.05

FOOTNOTE: Work with pitch, pitch base of pitch impregnated products or any material containing coal tar pitch, on any building old or new, where both asphalt and pitchers are used in the application of a built-up roof or tear off: $2.00 per hour additional.

ROOF0040-002 08/01/2006

SAN FRANCISCO & SAN MATEO COUNTIES:

	Rates	Fringes
ROOFER	$ 30.23	10.19

ROOF0081-001 08/01/2007

ALAMEDA AND CONTRA COSTA COUNTIES:

	Rates	Fringes
Roofer	$ 28.95	12.65

ROOF0081-004 08/01/2007

CALAVERAS, MARIPOSA, MERCED, SAN JOAQUIN, STANISLAUS AND TUOLUMNE COUNTIES:

	Rates	Fringes
ROOFER	$ 21.16	12.00

ROOF0095-002 08/01/2006

MONTEREY, SAN BENITO, SANTA CLARA, AND SANTA CRUZ COUNTIES:

	Rates	Fringes
ROOFER		
Journeyman	$ 31.73	9.89
Kettleman (2 kettles), Bitumastic Enameler, Coal Tar, Pitch & Mastic	$ 33.73	9.89

SFCA0483-001 01/01/2009

ALAMEDA, CONTRA COSTA, SAN FRANCISCO, SAN MATEO AND SANTA CLARA COUNTIES:

	Rates	Fringes
SPRINKLER FITTER (FIRE)	$ 45.59	19.95

SFCA0669-011 01/01/2009

CALAVERAS, FRESNO, KINGS, MADERA, MARIPOSA, MERCED, MONTEREY, SAN BENITO, SAN JOAQUIN, SANTA CRUZ, STANISLAUS AND TUOLUMNE COUNTIES:

	Rates	Fringes
SPRINKLER FITTER	$ 32.15	16.05

SHEE0104-001 07/01/2008

AREA 1: ALAMEDA, CONTRA COSTA, SAN FRANCISCO, SAN MATEO, SANTA CLARA

AREA 2: MONTEREY & SAN BENITO

AREA 3: SANTA CRUZ

	Rates	Fringes
SHEET METAL WORKER		
AREA 1:		
Mechanical Contracts under $200,000	$ 43.32	22.90
All Other Work	$ 47.73	23.17
AREA 2	$ 36.49	3%+19.71
AREA 3	$ 39.25	19.45

SHEE0104-015 07/01/2008

ALAMEDA, CONTRA COSTA, MONTEREY, SAN BENITO, SAN FRANCISCO, SAN MATEO, SANTA CLARA AND SANTA CRUZ COUNTIES:

	Rates	Fringes
SHEETMETAL WORKER (Metal Decking and Siding only)	$ 33.43	21.47

SHEE0162-001 08/01/2008

CALAVERAS AND SAN JOAQUIN COUNTIES:

	Rates	Fringes
SHEET METAL WORKER	$ 30.32	17.42

SHEE0162-003 07/01/2008

MARIPOSA, MERCED, STANISLAUS AND TUOLUMNE COUNTIES:

	Rates	Fringes
SHEET METAL WORKER (Excluding metal deck and siding)	$ 32.72	18.68

SHEE0162-004 07/01/2008

FRESNO, KINGS, AND MADERA COUNTIES:

	Rates	Fringes
SHEET METAL WORKER	$ 33.07	19.58

SHEE0162-013 07/01/2005

CALAVERAS, FRESNO, KINGS, MADERA, MARIPOSA, MERCED, SAN JOAQUIN, STANISLAUS AND TUOLUMNE COUNTIES:

	Rates	Fringes
Sheet metal worker (Metal decking and siding only)	$ 32.84	15.20

TEAM0094-001 07/01/2008

	Rates	Fringes
Truck drivers:		
GROUP 1	$ 26.48	17.94
GROUP 2	$ 26.78	17.94
GROUP 3	$ 27.08	17.94
GROUP 4	$ 27.43	17.94

GROUP 5.....$ 27.78 17.94

FOOTNOTES:
Articulated dump truck; Bulk cement spreader (with or without auger); Dumpcrete truck; Skid truck (debris box); Dry pre-batch concrete mix trucks; Dumpster or similar type; Slurry truck: Use dump truck yardage rate.
Heater planer; Asphalt burner; Scarifier burner; Industrial lift truck (mechanical tailgate); Utility and clean-up truck: Use appropriate rate for the power unit or the equipment utilized.

TRUCK DRIVER CLASSIFICATIONS

GROUP 1: Dump trucks, under 6 yds.; Single unit flat rack (2-axle unit); Nipper truck (when flat rack truck is used appropriate flat rack shall apply); Concrete pump truck (when flat rack truck is used appropriate flat rack shall apply); Concrete pump machine; Fork lift and lift jitneys; Fuel and/or grease truck driver or fuel person; Snow buggy; Steam cleaning; Bus or personhaul driver; Escort or pilot car driver; Pickup truck; Teamster oiler/greaser and/or serviceperson; Hook tender (including loading and unloading); Team driver; Tool room attendant (refineries)

GROUP 2: Dump trucks, 6 yds. and under 8 yds.; Transit mixers, through 10 yds.; Water trucks, under 7,000 gals.; Jetting trucks, under 7,000 gals.; Single-unit flat rack (3-axle unit); Highbed heavy duty transport; Scissor truck; Rubber-tired muck car (not self-loaded); Rubber-tired truck jumbo; Winch truck and "A" frame drivers; Combination winch truck with hoist; Road oil truck or bootperson; Buggymobile; Ross, Hyster and similar straddle carriers; Small rubber-tired tractor

GROUP 3: Dump trucks, 8 yds. and including 35 yds.; Transit mixers, over 10 yds.; Water trucks, 7,000 gals. and over; Jetting trucks, 7,000 gals. and over; Vacuum trucks under 7500 gals. Trucks towing tilt bed or flat bed pull trailers; Lowbed heavy duty transport; Heavy duty transport tiller person; Self- propelled street sweeper with self-contained refuse bin; Boom truck - hydro-lift or Swedish type extension or retracting crane; P.B. or similar type self-loading truck; Tire repairperson; Combination bootperson and road oiler; Dry distribution truck (A bootperson when employed on such equipment, shall receive the rate specified for the classification of road oil trucks or bootperson); Ammonia nitrate distributor, driver and mixer; Snow Go and/or plow

GROUP 4: Dump trucks, over 35 yds. and under 65 yds.; Water pulls - DW 10's, 20's, 21's and other similar equipment when pulling Aqua/pak or water tank trailers; Helicopter

pilots (when transporting men and materials); Lowbedk Heavy Duty Transport up to including 7 axles; DW10's, 20's, 21's and other similar Cat type, Terra Cobra, LeTourneau Pulls, Tournorocker, Euclid and similar type equipment when pulling fuel and/or grease tank trailers or other miscellaneous trailers; Vacuum Trucks 7500 gals and over and truck repairman

GROUP 5: Dump trucks, 65 yds. and over; Holland hauler; Low bed Heavy Duty Transport over 7 axles

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WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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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)).

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

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

* an existing published wage determination
* a survey underlying a wage determination
* a Wage and Hour Division letter setting forth a position on a wage determination matter
* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
0001	Destination	Government	Destination	Government
000101	Destination	Government	Destination	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
0001	POP 25-SEP-2009 TO 31-MAR-2012	N/A	N/A FOB: Destination	
000101	N/A	N/A	N/A	N/A

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 97X0510 EF16 252 BRCIR V 068892 2D XV9513
COST CODE: BRCIR9V09MFQ
AMOUNT: $22,363,463.00
CIN 00000000000000000000000000000000: $22,363,463.00

CLAUSES INCORPORATED BY FULL TEXT

5252.232-9301 INVOICING PROCEDURES ELECTRONIC (NAVFAC SW March 2009)

(a) In accordance with DFARS Clause 252.232-7003 titled "Electronic Submission of Payment Requests", this contract/order requires use of the DoD Wide Area Workflow Receipt and Acceptance (WAWF) system for the submission of invoices. This web-based system, located at https://wawf.eb.mil, provides the technology for Government contractors and authorized Department of Defense (DoD) personnel to generate, capture and process receipt and payment-related documentation in a paperless environment. Invoices rendered under this contract shall be submitted electronically through WAWF. Submission of hard copy DD250/invoices will no longer be accepted for payment.

(b) It is recommended that the person in your company designated as the Central Contractor Registration (CCR) Electronic Business Point of Contact (EBPOC), and anyone responsible for the submission of invoices, use the online training system for WAWF at http://wawftraining.com. The Vendor, Group Administrator (GAM), and sections marked with an asterisk in the training system should be reviewed.

Vendor Information is available at
http://acquisition.navy.mil/rda/home/acquisition_one_source/ebusiness/don_ebusiness_solutions/wawf_overview/vendor_information.

(c) Within ten (10) days after award, the designated CCR EBPOC is responsible for activating the company's CAGE code in WAWF by calling 1-866-618-5988 and selecting option three (3). Once the company's CAGE code is activated, the CCR EBPOC must self-register under the company's CAGE code on WAWF and follow the instructions for a group administrator. After the company is set-up on WAWF, any additional persons responsible for submitting invoices must self-register under the company's CAGE code at https://wawf.eb.mil.

(d) When creating an invoice in WAWF, the contractor must use the following information in conjunction with information on the Contract. Failure to use required information will result in invoice rejection:

Contract Number	N6247308D8816
DO/TO/Call Number	0005
Cage Code	1VH35
DFAS Pay Office DoDAAC	N68732
Invoice Type Note: Invoice "Item" Structure 1) NavCon/FMI Invoice, 'Item	Navy Construction / Facilities Management Invoice

Number' must be four digits, e.g. 0001. Invoice total amount at CLIN level. 2) All other WAWF invoices, 'Item Number' must be six digits, e.g. 000101 (SLIN). Your total invoice amount must be broken out per SLIN.	
Issue Date of Award	Refer to Award
Issue By DoDAAC	N62473 (Vendor, replace WAWF prefills with this DoDAAC as needed)
Admin DoDAAC	N62473 (Vendor, replace WAWF prefills with this DoDAAC as needed)
Vendor, the below fields MUST be filled in with DoDAAC and Extension, as available in WAWF: Inspected By & Extension Service Acceptor & Extension Ship To Code & Extension Service Approver & Extension Contracting Officer & Extension LPO & Extension Grant Approver & Extension	N62473 / RO6B2
DCAA Auditor DoDAAC	N/A.
Mark For Code Ship From Code	DO NOT USE
Unit of Measure MUST be:	"DO"
Accounting data	The ACO may send the ACRN, AAA, and SDN to Vendor for data entry.
Vendor, after the invoice is submitted in WAWF, select "Send Additional Email Notifications"	
Notification Email Address	N/A

Note: Supporting documentation must be attached. File names cannot contain spaces or special characters, except underscore "_" which is an acceptable character. Maximum limit for size of each file is UNDER 2 megabytes. There is NO Maximum limit for size of files per invoice.

(e) Before closing out of an invoice session in WAWF, but after submitting the invoice, you will be prompted to "Send Additional Email Notifications." Select "Send More Email Notification" and add additional email addresses noted above in the first email address blocks. This additional notification to the Government is important to ensure that the specific acceptor/receiver is aware the invoice documents have been submitted into WAWF.

(f) If you have any questions regarding WAWF, please contact the WAWF helpdesk at 866-618-5988.

Section I - Contract Clauses

CLAUSES INCORPORATED BY REFERENCE

52.222-54	Employment Eligibility Verification	JAN 2009
252.232-7003	Electronic Submission of Payment Requests and Receiving Reports	MAR 2008