

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

OFFICE ENGINEER

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www.dot.ca.gov/hq/esc/oe



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Help save water!*

October 28, 2014

04-SF,Ala-80-8.6/8.9, 0.0/1.2

04-013524

Project ID 0412000608

Addendum No. 1

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN THE CITY AND COUNTY OF SAN FRANCISCO AND ALAMEDA COUNTY FROM 0.8 MILE EAST OF THE YERBA BUENA TUNNEL TO 0.8 MILE WEST OF THE TOLL PLAZA.

Submit bids for this work with the understanding and full consideration of this addendum. The revisions declared in this addendum are an essential part of the contract.

Bids for this work will be opened on Tuesday, November 18, 2014.

This addendum is being issued to revise the project plans, the *Notice to Bidders and Special Provisions*, the *Bid book*, *Information Handout*.

Project plan sheets 25, 31, 36, 37, 39, 40 and 41 are replaced and attached for substitution for the like-numbered sheets.

In the *Notice to Bidders*, the thirteenth paragraph is replaced as follows:

"The estimate cost of the project is \$83,000,000."

In the *Special Provisions*, Section 1-1.01 is replaced as attached.

In the *Special Provisions*, Section 2-1.05B is replaced as attached.

In the *Special Provisions*, Section 2-1.06B is replaced as attached.

In the *Special Provisions*, Section 3-1.04 the second, third, fourth, and fifth paragraphs are deleted.

In the *Special Provisions*, Section 5-1.20A is replaced as attached.

In the *Special Provisions*, Section 5-1.24, "DOCUMENT MANAGEMENT SYSTEM," is added as attached.

In the *Special Provisions*, Section 5-1.32 is added as attached.

In the *Special Provisions*, Section 8-1.04C is replaced as attached.

In the *Special Provisions*, Section 14-11.14, "ASPHALT GRINDING CONTAINING HAZARDOUS WASTE CONCENTRATIONS OF LEAD," is added as attached.

Addendum No. 1
Page 2
October 28, 2014

04-SF,Ala-80-8.6/8.9, 0.0/1.2
04-013524
Project ID 0412000608

In the Special Provisions, Section 15-1.03A is added as attached

In the Special Provisions, Section 15-2.03D, "Salvage Bridge Elements," is replaced as attached.

In the Special Provisions, Section 48-8, "MARINE ACCESS DREDGING," is replaced as attached.

The *Information Handout* is added as attached.

In the *Bid* book, in the "Bid Item List," Items 38, 39, and 40 are added.

In the *Bid* book, in the "Bid Item List," Item 37 is deleted.

To *Bid* book holders:

In the *Bid* book, page 4 of the "Bid Item List" is replaced as attached. The attached Bid Item List is to be used in the bid.

Inquiries or questions in regard to this addendum must be communicated as a bidder inquiry and must be made as noted in the *Notice to Bidders* section of the *Notice to Bidders and Special Provisions*.

Indicate receipt of this addendum by filling in the number of this addendum in the space provided on the signature page of the *Bid* book.

Submit bids in the *Bid* book you now possess. Holders who have already mailed their book will be contacted to arrange for the return of their book.

Inform subcontractors and suppliers as necessary.

This addendum, attachments and the modified wage rates are available for the Contractors' download on the Web site:

http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/

If you are not a *Bid* book holder, but request a book to bid on this project, you must comply with the requirements of this letter before submitting your bid.

Sincerely,



BIJAN SARTIPI
District Director
Attachments

Add to section 1-1.01:

Bid Items and Applicable Sections

Item code	Item description	Applicable section
027660	TURBIDITY CONTROL	13
027661	DEWATERING AND NON-STORM WATER DISCHARGE SYSTEM	13
027662	VIBRATION MONITORING	15
027663	PHOTO SURVEY OF EXISTING FACILITIES	15
044681	SALVAGE BRIDGE ELEMENTS	15
027664	ROADWAY EXCAVATION (TYPE H)	14, 19
044682	ESTABLISH MARINE ACCESS	48
028241	DOCUMENT MANAGEMENT SYSTEM	5
028242	SALVAGE BRIDGE ELEMENTS (GROUP B)	15

CONTRACT NO. 04-013524
REPLACED PER ADDENDUM NO. 1 DATED OCTOBER 28, 2014

Replace section 2-1.05B with:

2-1.05B Removal Procedure Documentation

Removal procedure documentation work consists of analysis and evaluation the 504 and 288 trusses, preparation and submittal of bridge removal drawings, and submittal of documentary information as specified.

Perform a complete 3-D structural computer analysis and evaluation of the 504 and 288 trusses for the planned removal procedure. The analysis must include a 3-D erection analysis to determine locked-in forces in truss members and a 3-D dismantling analysis.

Prepare drawings of the planned removal procedure that comply with the following minimum requirements:

1. The removal sequence must comply with the removal sequence shown on the plan sheet titled "Index to Plans."
2. The drawings must clearly illustrate the vertical, lateral, and longitudinal structural load paths at each stage of removal.
3. Each drawing sheet must be sealed and signed by the Bidder's engineer and must be independently checked, sealed, and signed by another registered civil engineer.
4. Each drawing sheet must be 11 by 17 inches. Text and graphics must be legible for photocopying and reproduction.
5. The drawings must be as complete and comprehensive as possible to demonstrate a clear plan for removal.

The Bidder's engineer:

1. Must be registered as a civil engineer in the State.
2. Must have at least 5 years experience as a registered civil engineer
3. Must (1) have performed sequential erection analysis and must have prepared, sealed, and signed approved erection plans for at least 3 completed bridge erection projects or (2) have performed sequential dismantling analysis and have prepared, sealed, and signed approved dismantling plans for at least 3 completed bridge removal projects. Any combination of a total of 3 bridge erection and removal projects is acceptable qualifying experience. At least 1 of the projects must be a continuous steel truss bridge with a main span length of at least 250 feet. Alternatively, acceptable qualifying experience for 1 of the 3 required bridge projects may be met by having performed sequential seismic retrofit analysis and prepared, sealed, and signed approved plans for a completed continuous steel truss bridge with a main span length of at least 250 feet. Sequential analysis performed for the 3 projects must have shown the state of the structure, including stress and displacement and stability evaluation for each stage of construction or removal, considering locked-in forces from previous stages. The bridges in the projects must carry or have carried highway truck traffic or railroad traffic or equivalent loading. Blasting must not have been used as a removal method for the projects. This qualifying experience must have been performed as a civil engineer or under the supervision of a licensed civil engineer who sealed and signed the approved plans.

The check engineer:

1. Must have at least the same experience and qualifications as the Bidder's engineer
2. Must not be an employee of the Bidder and must not be employed by the same firm as the Bidder's engineer

Submit the following documents:

1. 1 set of drawings illustrating the planned removal procedure.
2. Certificate from the Bidder's engineer stating that the drawings comply with all Contract requirements and are adequate for the purpose intended.
3. Certificate from the check engineer stating that the drawings comply with all Contract requirements and are adequate for the purpose intended.
4. Resumes from both the Bidder's engineer and the check engineer unless approved under section 2-1.05D. The resume must include qualifying project information, including the name of each project and the project owner's name, address, and telephone number. At the Department's request, submit documentation to verify each engineer's qualifications, including a copy of a complete set of approved plans sealed by the engineer used for the construction of the qualifying erection, removal, or retrofit projects. If the approved plans were sealed by others, submit a copy of complete signed design calculations for the qualifying projects and a copy of the approved plans sealed by others.
5. Certificate from both the Bidder's engineer and the check engineer stating that they reviewed, understood, and considered the supplemental project information in the preparation of the drawings, including:
 - 5.1. Original bridge plans, specifications, and construction testing reports
 - 5.2. Existing bridge plans, specifications, and construction testing reports for modifications to the existing bridge
 - 5.3. Original Bridge Contract 7 Superstructure East Bay Final Report March 24, 1937 (Material Specifications and Testing Reports)
 - 5.4. Bridge maintenance and inspection reports

The Department's acceptance of the submittals does not void your responsibility for completing the work as described in the Contract.

The Department does not pay for the cost for preparing a bid that complies with section 2-1.05B except as otherwise specified in section 2-1.05E.

Add to section 2-1.06B:

The Department makes the following supplemental project information available:

Information Handout

1. Structure Information Handout
 - 1.1. SFOBB 504' & 288' Spans Inspection Reports
 - 1.2. SFOBB East Span Cantilever Construction Sequence
 - 1.3. SFOBB East Span Design Specifications – Superstructure Circa 1933
 - 1.4. Existing Bridge Modification Contract 4011 Resident Engineers Report on Deck Paving –East Bay July 19 1963 (Testing Reports and Contract Specifications)
 - 1.5. Existing Bridge Modification Contract 4030 Resident Engineers Report on Steel Work – East Bay September 18 1963 (Testing Reports and Contract Specifications)
 - 1.6. Original Bridge Contract 7 Superstructure East Bay Crossing Final Report March 24 1937 (Material Specifications and Testing Reports)
 - 1.7. Original Bridge Contract 7 Superstructure East Bay Crossing Specifications March 8 1933 (Contract Specifications and Cantilever Erection Procedure)
 - 1.8. Original Bridge Tests of Heavy Riveted Joints – Second Progress Report (1936)
 - 1.9. Original Bridge Tests of Heavy Riveted Joints – Special Report on Manganese Steel Specimens (1936)
 - 1.10. Original Bridge Tests on Riveted Tension Members and Their Connections (1934)
 - 1.11. SFOBB East Span Floor System Original Design Calculations (1933)
 - 1.12. SFOBB East Span Original Construction Photographs from Bancroft Library
 - 1.13. SFOBB 504' & 288' Spans Construction Photographs
 - 1.14. Original Bridge Contract 7 Superstructure East Bay Crossing Shop Drawings
 - 1.15. Partial BRIM model for the 504' & 288' Spans

2. Geotechnical Information Handout
 - 2.1. Pile Installation Demonstration Project (PIDP) Geotechnical Report: Main Text and Appendices
 - 2.2. Ground Motion Report: Main Text and Appendices
 - 2.3. Final Marine Geophysical Survey Report:
Volume-1, Main Text and Appendices
Volume-2, Maps
 - 2.4. Final Marine Geotechnical Site Characterization Report:
Volume-1, Main Text and Illustrations
Volume-2A through Volume-2H
 - 2.5. Phase I Subcontractor Reports - Preliminary Geotechnical Site Characterization
Volume-1 through Volume-4
 - 2.6. Phase-II Subcontractor Reports - Final Geotechnical Site Characterization
Volume-1 through Volume-3
 - 2.7. Analysis and Design Procedures for Pile Foundations Supporting Temporary Towers Skyway Structures: Main Text and Appendices dated March 2001
 - 2.8. Revised Final Oakland Shore Approach Geotechnical Site Characterization Report, dated March 2001:
Volumes 1, 2A, 2B, 3, and 4
 - 2.9. 1920 Geology Reports
 - 2.10. 1930 Boring Logs for Original Bay Bridge
 - 2.11. Final Geotechnical Foundation Report for Oakland Shore Approach Structures
 - 2.12. Caltrans Bathymetric Survey Report No. 23.00007024 R1 (2013)

3. District Information Handout

3.1. Permits, Licenses, Letters and Agreements

- 3.1.1. California Department of Fish and Game (CDFG) Incidental Take Permit No. 2081-2001-021-03, Issued November 19, 2001
- 3.1.2. CDFG Incidental Take Permit No. 2081-2001-021-03 Minor Amendment #1, Issued October 14, 2009
- 3.1.3. CDFG Incidental Take Permit No. 2081-2001-021-03 Major Amendment #2, Issued February 23, 2012
- 3.1.4. CDFG Incidental Take Permit No. 2081-2001-021-03 Minor Amendment #3, Issued September 6, 2012
- 3.1.5. U.S. Army Corps of Engineers (ACOE) Permit No. 023013S, Issued December 04, 2001
- 3.1.6. U.S. Army Corps of Engineers (ACOE) Permit No. 023013S Letter of Modification, Issued April 2, 2002
- 3.1.7. U.S. Army Corps of Engineers (ACOE) Permit No. 023013S Letter of Modification, Issued November 12, 2002
- 3.1.8. U.S. Army Corps of Engineers (ACOE) Permit No. 023013S Letter of Modification, Issued April 11, 2005
- 3.1.9. U.S. Army Corps of Engineers (ACOE) Permit No. 023013S Letter of Modification, Issued August 15, 2005
- 3.1.10. U.S. Army Corps of Engineers (ACOE) Permit No. 023013S Letter of Modification, Issued September 23, 2005
- 3.1.11. U.S. Army Corp of Engineers (ACOE) Permit No. 023013S Letter of Modification, Issued May 20, 2008
- 3.1.12. U.S. Army Corp of Engineers (ACOE) Permit No. 023013S Time Extension, Issued November 16, 2011
- 3.1.13. U.S. Army Corp of Engineers (ACOE) Permit No. 023013S Letter of Modification, Issued July 6, 2012
- 3.1.14. San Francisco Bay Conservation and Development Commission (BCDC) Permit No. 2001.008.34, Issued November 20, 2001, Last Amended January 23, 2014 Reflects Amendments 1-34
- 3.1.15. National Marine Fisheries Service (NMFS) Biological Opinion and Incidental Take Statement, Issued October 30, 2001
- 3.1.16. NMFS Supplemental Biological Opinion and Conference Opinion, Issued April 10, 2009
- 3.1.17. NMFS Supplemental Biological Opinion and Conference Opinion, Issued August 21, 2009
- 3.1.18. NMFS Supplemental Biological Opinion and Conference Opinion, Issued February 6, 2012
- 3.1.19. NMFS Incidental Harassment Authorization, Issued December 18, 2013
- 3.1.20. U.S. Fish and Wildlife Service (USFWS) Biological Opinion, Issued October 29, 2001
- 3.1.21. U.S. Coast Guard (USCG) New Bridge Permit 3-01-11, Issued December 11, 2001
- 3.1.22. U.S. Coast Guard (USCG) New Bridge Permit Amendment 3a-01-11, Issued November 18, 2011
- 3.1.23. California Regional Water Quality Control Board Order 01-120, Issued October 17, 2001
- 3.1.24. California Regional Water Quality Control Board Order R2-2002-0011, Issued January 23, 2002

For the latest versions of environmental permits, go to:
www.biomitigation.org

- 3.2. San Francisco-Oakland Bay Bridge East Span Underwater Debris Diagram, dated May 2001
- 3.3. SFOBB East Span Survey Information, Control Diagram dated December 30, 2002
- 3.4. USCG Private Aid to Navigation Sample Application Form
- 3.5. Geotechnical & Material Report for YBI
- 3.6. Ground Penetration Report No. 6488-01, GEO Vision, November 2006
- 3.7. Historical Maps (1917, 1932, 1933)
- 3.8. Construction Vibration Monitoring Field Data Form
- 3.9. Water Quality Information Handout (Contract No. 04-01352) dated December 2012
- 3-10. Correspondence with United States Custom Service regarding Jones Act and use of crane/barge, 2002 and 2005
- 3.11. Archaeological Survey Reports
 - 3.11.1. Phase 1 Archaeological Survey Report- Maritime Archaeology, September 1999
 - 3.11.2. Addendum to Archaeological Survey Report-Maritime Archeology, December 6, 1999
 - 3.11.3. Addendum to Archaeological Survey Report-Maritime Archeology, March 2000
 - 3.11.4. Addendum to Archaeological Survey Report-Maritime Archeology, August 17, 2000
- 3.12. Asbestos Survey Report, June 2014
- 3.13. Lead concentration data for the roadway asphalt by Advanced Technology Laboratories dated April 30, 2014
- 3.14. Air Dispersion Modeling and Risk Assessment Summary Report for SFOBB 504/288 Spans Demolition
- 3.15. Air Dispersion Modeling and Risk Assessment Summary Report for SFOBB Cantilever Truss Demolition
- 3.16. Air Quality Monitoring Program Summary Report SFOBB Cantilever Truss Demolition (November 2013 through April 2014)
- 3.17. Steel Beam Test-Cut Simulations Air Monitoring Results for SFOBB Oakland Touchdown Demolition
- 3.18. Bare Steel Risk Assessment – SFOBB Cantilever Truss Demolition Project
- 3.19. Structure Type Selection and Seismic Retrofit Strategy Report (Wharf Condition Report), January 2014
- 3.20. Technical Memorandum - PCB Risk Evaluation, Old East Span Deconstruction by AMEC dated October 17, 2014.

Information Available For Inspection

Items available for inspection, upon written request, at the office of the Duty Senior at the District 4 Office, 11 Grand Avenue, Oakland, CA 94612, email, D4.Construction.Duty.Senior@dot.ca.gov, telephone (510) 286-5209 are as follows:

1. Final Environmental Impact Statement / California Environmental Quality Act (CEQA) Statutory Exemption and Record of Decision
2. NPDES General Permit No. CAG912002 from SFRWQCB
3. Caltrans letters to the Dredged Material Management Office with draft disposal plan
4. As-built plans of the existing San Francisco-Oakland Bay Bridge East Span (Bridge No. 33-0025)
5. As-built plans of Interim Seismic Retrofit-East Bay Cantilever Truss (Contract No. 04-043004)
6. As-built plans of Cantilever Structure-Lower Chord Damage Repair (Contract No. 04-035104)
7. Site Investigation Report
 - 7.1. San Francisco-Oakland Bay Bridge Gateway Project, Oakland, CA, Geocon, May 1999
 - 7.2. The Oakland Mole San Francisco-Oakland Bay Bridge East Span Seismic Safety Project, Alameda County, CA, Geocon, October 2001
 - 7.3. Task Order Number 04-012041-UB, Contract Number 43A0078, Oakland Mole, Alameda County, CA, PSI, June 25, 2002
 - 7.4. SFOBB Oakland Touchdown East Span Seismic Safety Project, Oakland, CA, Geocon, September 2005
 - 7.5. SFOBB Oakland Touchdown East Span Seismic Safety Project, Oakland, CA, Geocon, June 2006
 - 7.6. San Francisco-Oakland Bay Bridge East Span Seismic Safety Project, Oakland Touchdown 2, Oakland, CA, Geocon, February 2010
 - 7.7. Site Investigation Report, SFOBB East Span Seismic Safety Project, Yerba Buena Island, Geocon, June 2001
 - 7.8. Supplemental Site Investigation Report, Yerba Buena Island Duct Bank, Geocon, March 2007
8. Additional As-built plans of the existing San Francisco-Oakland Bay Bridge East Span (Bridge No. 33-0025)

Add to section 5-1.20A:

During the progress of the work under this Contract, work under the following contracts may be in progress at or near the job site of this Contract:

Coincident or Adjacent Contracts

Contract no.	County–Route–Post Mile	Location	Type of work
04-0120F4	04-SF-80-KP 13.2/ KP 13.9	San Francisco	Construct Self-Anchored Suspension Bridge Superstructure.
04-0120T4	04-SF-80-KP 12.9/ KP 13.2	San Francisco	Construct Yerba Buena Island Structures and demolish the existing SFOBB cantilever span.
04-013504	04-SF-80-KP 12.9/ KP 13.2	San Francisco	Landscape on Yerba Buena Island
04-3A6404	04-SF-80-KP 12.3/13.2	San Francisco	Construct westbound ramps
04-0120N4	04-SF-80-SF/Ala-KP 12.6/KP 2.7	San Francisco/Oakland	Install electrical systems.
04-013534	04-SF-80-SF/Ala PM 8.2/PM 1.2	San Francisco/Oakland	Remove marine foundations
04-0120M4	04-Ala-80-KP 1.6/KP 2.7	Oakland	Construct Oakland Touchdown Westbound Roadway and Eastbound Structures and Roadway
04-014084	04-Ala-80-PM 2.2	Oakland	Construct Maintenance Buildings
04-014104	04-Ala-80-PM 2.3	Oakland	Construct New Warehouse (Maintenance Building)
04-1J2904	04-Ala-80-PM 0.8/1.0	Oakland	Oakland Army Base Redevelopment

Do not access the bridge decks until August 1, 2015, except to measure controlling field dimensions and locate utilities. Coordinate access to the bridge with the Engineer.

Do not begin steel truss removal until November 1, 2015.

Upper deck has no access from Maintenance Road.

Only the lower deck has access to Maintenance Road through Oakland Approach Structure.

Provide and maintain one 24 foot wide traffic lane on the lower deck for the use of the adjacent contractor removing the cantilever truss from August 1, 2015 to November 1, 2015.

Do not access area west of Pier E4 until February 1, 2016.

Replace section 5-1.24 with:

5-1.24 DOCUMENT MANAGEMENT SYSTEM

5-1.24A General

Section 5-1.24 includes specifications for providing a document management system (DMS).

Use the DMS for all documents created and received during the project, including submittals, transmittals, shop drawings and calculations, RFI, letters and memorandums and plan sheets.

Obtain the Engineer's authorization of the DMS.

The DMS must be PM Integral Vision Document Management System (PMIV DMS) or equal. For information on obtaining the PMIV DMS, contact the following vendor:

INTERGRAL VISION
3732 Mount Diablo Blvd
Lafayette, CA 94549

Telephone Number: (925) 284-8302; Fax Number: (925) 284-1905

The successful bidder can obtain the PMIV DMS from the vendor. The system components, as specified in the vendor's cost break down, includes the following:

For the Department:

1. Fifty software licenses with two annual maintenance renewals
2. Delivery, setup and maintenance of the complete PMIV DMS and weekly off-site backup
3. Initial training session plus five additional training sessions

For the Contractor:

1. Twenty software licenses with two annual maintenance renewals. Any unused licenses/renewals will be available to the Department
2. Delivery, setup, and maintenance of the complete PMIV DMS
3. Five training sessions

The price quoted by Integral Vision for providing complete PMIV DMS service for both the Department and the Contractor is \$851,318 including sales tax. The Contractor will be required to enter into a service agreement and an end user license agreement with the vendor. The Contractor will also be required to enter into a sublicense agreement with the Department. The sublicense agreement must be acceptable to both the Department and the vendor.

The above price does not include paper, staples, overnight shipping, or Optical Character Recognition (OCR) software.

The above price will be firm for all orders placed on or before December 31, 2015. The total price will be increased 10 percent per year for orders placed after December 31, 2015.

5-1.24B Preconstruction Conference

Schedule a preconstruction conference with the Engineer and the Contractor's project manager within 5 business days after contract award. At this conference the Engineer will review these specifications with the Contractor and the vendor and discuss the proposed delivery, set up, and maintenance plan for the DMS.

5-1.24C Delivery, Setup and Maintenance

Upon authorization of the proposed plan, furnish, install, set up, and maintain the DMS ready-for-use at locations determined by the Engineer before the first working day of the contract.

Provide maintenance, including licensing and other fees, for the duration of the project until 30 days after receipt of the final estimate by the Contractor.

The DMS must be operational within 48 hours of any failure.

Provide network copier supplies as necessary during the course of the project.

Furnish, through the vendor, software and original software instruction manuals to the Engineer.

5-1.24D Training

After authorization of the DMS and before the first working day of the contract, provide an initial 8-hour training session to the Department in the use of the DMS.

Provide a total of 10 subsequent training sessions, at 4 hours per session, at a location, date and time acceptable to the Engineer. The Contractor can expect subsequent training sessions to be distributed throughout the duration of the project until the total number of sessions are completed.

Each training session must accommodate up to 15 Department personnel. Session trainers must be accepted by the Engineer.

5-1.24E Data Delivery Specifications

Submit data electronically on flash drives compatible with the DMS. The electronic files must conform to the following specifications:

1. Each data submittal must contain the electronic document(s) contents of only one submittal or transmittal.
2. Use a searchable Adobe Portable Document Format (PDF), version 4 or higher format, for all electronic documents. All documents must be created by one of two methods:
 - 2.1. Create searchable PDF documents from the original, native format of the document.
 - 2.2. Scan non-electronic documents to their original size in PDF format and make searchable using OCR software.
3. Provide a minimum resolution for the electronic PDF of 300 dots per inch and a minimum color depth of 256 colors.
4. Each plan sheet or shop drawing must consist of one electronic PDF file.

Provide a method of exporting all data to the relational database, Microsoft Access, keeping all the existing relationships intact. This export function must be accessible by the user and must be able to be performed at any time by the user.

For each failure to provide and maintain the DMS the Department withholds \$50,000. This is in addition to other performance failure withholds.

Add the following paragraphs to section 5-1.32:

2nd paragraph of section 5-1.32 does not apply.

The Department has designated a 5-acre staging area (herein this section also referred to as "the property") at Wharf 6 in the Port of Oakland, with 400 feet of water front access for your use at no cost. The location of the property is shown in "Wharf 6 - Areas for Contractor's Use" provided in the *Information Handout*.

By using the property provided at Wharf 6, you must comply with the following terms and conditions:

1. Use the property for activities exclusive to the 04-013524 contract, for the term starting on April 1, 2015 and ending 30 days after the work completion date, and for the purposes of:
 - 1.1 Administration offices and parking for your employees
 - 1.2 Storage of material
2. You have read the "Wharf Condition Report" provided in the *Information Handout* and agree to accept the property "as is", and to not call on the Department to make any improvements or repairs on the property.
3. Agree to keep the property, including furnishings and equipment, in good order and condition.
4. Comply with the terms of the contract as well as all State laws and local ordinances concerning said property and the use thereof.
5. Allow the Department or its agents access to enter the property for purposes of inspection of the property at all times and to serve or to post thereon any notice required or permitted by law for protection of any right or interest of the Department.
6. Coordinate with other contractors regarding water access along the wharf.
7. Prior to occupying the property, conduct a survey of the property's existing condition, describing and documenting it with photographs. Submit the survey along with a site map identifying the planned uses of the property, and Material Safety Data Sheets for the hazardous materials stored on the property. The site map must identify the material storage sites and include a listing of all materials used and stored on the property, or transported to and through the wharf.
8. Do not permit the accumulation of waste on the property. Provide an adequate number of garbage and trash receptacles in clean condition and good repair.
9. Do not deposit or dispose of hazardous materials on the property. You are responsible for and bear the entire cost of removal and disposal of hazardous materials or waste introduced to the property during your term of use. Cleanup any decontamination on or off the property necessitated by such materials or waste.
10. There is limited additional utility capacity available at Wharf 6, including power, telecommunications, and sewer. Develop your own water source, and do not use the public water source. Investigate the other utility capacity to support the needs of any use of Wharf 6. Pay when due all water, electric, gas, and other lighting, heating, power, and charges accruing or payable in connection with said property, during the term of use.
11. At the expiration of the term, surrender possession of the property and its appurtenances to the Department in as good condition as the property was delivered to you. Reasonable wear and tear and damage by the elements is acceptable.
12. Do not encumber, assign, or sublet the property in any manner whatsoever.
13. The Department will not keep the property insured against fire or any other insurable risk. You must not make a claim of any nature against the Department by reason of any damage to it or your employees' or your agents' property in the event it is damaged or destroyed by fire or by any other cause.
14. Comply with Section 7-1.06.
15. You are responsible for all costs associated with occupying and operating at the property including:
 - 15.1. Compliance with these terms and conditions.
 - 15.2. Utility connections, maintenance and operational cost of utilities.
 - 15.3. Improvements needed for intended use including use of the crane.
 - 15.4. Relocation of occupation or operations to facilitate hazardous material remediation.
 - 15.5. Cost related to vacate and restore property to original condition at the termination of these terms and conditions.

Do not occupy the property until after you furnish the required submittals and are authorized. The Department reserves the right to terminate your use of the property at no cost to the Department if you fail to comply with these terms and conditions. Provided that these terms and conditions are complied with and should the Department order you to vacate significant portions of the property early, the additional relocation will be change order work.

CONTRACT NO. 04-013524
ADDED PER ADDENDUM NO. 1 DATED OCTOBER 28, 2014

Replace "Reserved" in section 8-1.04C with:

Section 8-1.04B does not apply.

Start job site activities no earlier than March 27, 2015 but within 55 days of March 27, 2015 and after receiving notice that the Contract has been approved by the Attorney General or the attorney appointed and authorized to represent the Department.

Do not start job site activities until the Department authorizes or accepts your submittal for:

1. CPM baseline schedule
2. WPCP or SWPPP, whichever applies
3. Notification of DRA or DRB nominee and disclosure statement

You may enter the job site only to measure controlling field dimensions and locate utilities.

Do not start other job site activities until all the submittals from the above list are authorized or accepted and the following information is received by the Engineer:

1. *Notice of Materials To Be Used* form.

Submit a notice 72 hours before starting job site activities. If the project has more than 1 location of work, submit a separate notice for each location.

Replace section 14-11.14 with:

14-11.14 ASPHALT GRINDINGS CONTAINING HAZARDOUS WASTE CONCENTRATIONS OF LEAD

14-11.14A General

14-11.14A(1) Summary

Section 14-11.14 includes specifications for management of asphalt grindings containing hazardous waste concentrations of lead during generation, loading into containers or trucks, transport, and disposal. The asphalt grindings are a Department-generated hazardous waste.

Hazardous waste concentrations of lead are present in the roadway asphalt within the project limits.

14-11.14A(2) Site Conditions

Asphalt grindings contain lead in concentrations that exceed thresholds established by the Health & Safety Code and 22 CA Code of Regs. The grindings are not regulated under the Federal Resource Conservation and Recovery Act (RCRA), 42 USC § 6901 et seq.

Lead concentration data for the roadway asphalt is included in the *Information Handout*.

14-11.14A(3) Submittals

14-11.14A(3)(a) Lead Compliance Plan

Submit a lead compliance plan under section 7-1.02K(6)(j)(ii).

14-11.14B Materials

Not Used

14-11.14C Construction

14-11.14C(1) General

Manage asphalt grindings as a California hazardous waste. Place asphalt grindings directly into containers, approved for transportation by the USDOT or registered vehicles, as they are generated.

14-11.14C(2) Dust Control

Management of asphalt grindings containing lead must result in no visible dust migration. A water truck, tank, or equivalent water source must be on the job site at all times during removal operations in work areas containing lead. Apply water to prevent visible dust.

14-11.14C(3) Transportation and Disposal

Before traveling on the public roads, remove loose and extraneous material from surfaces outside the cargo areas of the transporting vehicles and cover the cargo with tarpaulins or other cover. You are responsible for costs due to-spillage of material containing lead during transport.

Perform any additional sampling and analysis required by the receiving landfill.

14-11.14D Payment

Not Used

Add the paragraph after the 1st paragraph in section 15-1.03A:

Depressions and pits caused by removing Pier E23 must be backfilled with rock slope protection (1T, Method B) under section 72-2.

Replace section 15-2.03D with:

15-2.03D Salvage Bridge Elements

Section 15-2.03D includes specifications for removing, cleaning, preparing, marking, bundling, packaging, tagging, hauling, and stockpiling bridge elements as shown.

Salvaged materials remain the property of the Department, except as directed.

15-2.03D(2) Materials

15-2.03D(2)(a) General

Clean all earth, foreign materials, and concrete.

For bridge elements noted to be blast cleaned you must:

1. Blast clean all steel surfaces, including inside surfaces of rivet holes, handholes or other voids, to bare metal under SSPC-SP 10. After blast cleaning, surfaces must have a dense, uniform, angular anchor pattern of at least 1.5 mils when measured under ASTM D 4417.
2. Remove sharp edges.
3. Trim all flame cut edges.
4. Comply with section 14-11.08.
5. Perform analysis for lead of at least 3 samples per bridge element. Use United States Environmental Protection Agency SW-846 Test Method 6010B (Toxicity Characteristic Leaching Procedure-TCLP) for the analysis for lead. Analytical results must be reported in ppm. Prepare a report for all test results corresponding to each element tested. Present these results in tabulated format. The tabulated results must show the bridge element sample identification, corresponding analytical results, date of sample, date of analysis and name of sampler. All test results that are below the detection limit must be reported as non-detect. Provide in the report all chain of custody documents, laboratory reports and applicable certifications of the testing laboratory. Analysis must be performed on a standard 5-day turn-around time. The report must be provided no more than 5 days after completion of the laboratory analysis. Submit 2 copies of the test results to the Engineer before shipping elements to the storage locations. A final summary document must be submitted that includes a compilation of all reports. Submit 3 copies and one CD of the summary document to the Engineer within 10 days of completion of all sampling.

Bundle like components to facilitate handling, transporting and storage.

Tag bundles and show the quantity contained.

Tag all materials using Department-furnished tags, and show the following information as applicable:

1. Name or description of material
2. Dimensions
3. Quantity if more than one

Salvaged materials must be hauled directly to the specified storage locations and stockpiled. Each group of salvaged materials must be hauled to a separate storage location. If authorized, you may temporarily store salvaged materials at your location and later haul to and stockpile at the specified location. You must replace any materials that are lost before they are stockpiled at the specified location. The Department does not pay for replacement of lost materials.

15-2.03D(2)(b) Department Salvage Location

A minimum of 15 business days before hauling salvaged material to the Department salvage storage location, notify:

1. Engineer
2. District coordinator at telephone number (415) 330-6509

For group A and Group C materials, the Department storage locations are within 25 miles of the job site. The Engineer will provide the address of the storage locations.

For Group B materials, provide storage within 25 miles of the jobsite for the duration of the contract. Salvaged materials will be removed from storage by others. Store like materials not more than two levels high. Lay out material so all elements are accessible to loading equipment. Provide layout map of stored materials to the Engineer after each material addition or removal. Provide Engineer access to the materials with a 24 hour notice. Inventory materials immediately after each partial removal and submit inventory report to the Engineer. Keep storage area secure.

Approximately 6 months before the estimated project completion date, remove and dispose of any leftover Group B salvaged materials remaining at the storage site, as directed. Removal of leftover materials will be paid as extra work per section 4-1.05.

15-2.03D(3) Construction

Provide dunnage for all bridge elements at each storage location to prevent damage to the bridge elements.

If you damage materials to be salvaged, repair, or replace them at your expense. Replacements for lost or damaged materials must be of the same kind and condition as the lost or damaged materials prior to removal. If authorized, the cost of replacement will be deducted instead of you providing a replacement.

15-2.03D(4) Payment

Group A and Group C salvaged materials will be paid for as salvage bridge elements.

Group B salvaged materials will be paid for as salvage bridge elements (Group B)

Payment for lead testing and preparing and submitting test reports as specified is included in the payment for the item involved.

Providing storage for Group B elements is included in the payment for salvage bridge elements (Group B).

Progress payments for salvage bridge elements will be based on the authorized schedule of values. The Department will not adjust payments for these bid items.

Submit schedule of values for each member type in each group of bridge elements including for delivery, cleaning and storage.

**Replace section 48-8 with:
48-8 MARINE ACCESS DREDGING**

48-8.01 GENERAL

48-8.01A Summary

Section 48-8 includes specifications for marine access dredging and dredged materials disposal.

The Department has received authorization under the PLACs to dredge for marine access within the access dredging limits. Dredged materials must be disposed of at a beneficial reuse site that accepts saturated dredging spoils or the San Francisco deep ocean disposal site. Dredging and dredged materials disposal must comply with the provisions of the PLACs.

48-8.01B Definitions

beneficial reuse site: Habitat restoration or land reclamation site such as Montezuma wetlands restoration project or Winter Island levee restoration project

San Francisco deep ocean disposal site: Federally managed disposal site located 50 nautical miles offshore at 37° 39.0' N by 123° 29.0' W.

48-8.01C Submittals

48-8.01C(1) General

Not Used

48-8.01C(2) Before-Dredging Survey

Submit a hydrographic survey of the dredge area 60 days before you start dredging. Include the U.S. Army Corps of Engineers permit number. The survey must be accurate to within 0.1 foot. The survey must show:

1. Areas to be dredged with overdepth allowances, if applicable
2. Existing depths
3. Estimated quantities to be dredged
4. Estimated quantities of overdepth

The survey must be sealed and signed by either:

1. A surveyor who is registered as a land surveyor in the State
2. An engineer who is registered as a civil engineer in the State

48-8.01C(3) Dredging Operation Plan

Submit a dredging operation plan (DOP) at least 60 days before you start dredging. Do not start dredging until the DOP is approved. The DOP must include:

1. Organization chart and contact information of the dredging contractor
2. U.S. Army Corp of Engineers permit number and dredging episode number
3. Dredging start and end dates
4. Schedule of dredging operations
5. Anticipated quantities and production rates
6. Names of vessels
7. Numbers or identification for all equipment
8. Bin or barge capacities
9. Purpose of work
10. Proposed dredging procedures, including types of equipment to be used
11. Proposed method to slurry, or filter large solid debris from, the dredged materials (i.e., use of centrifugal dredge pump or passing clamshell-dredged spoils through 1-foot-maximum debris grid) to meet Army Corps of Engineers requirement
12. Overall location of the area authorized to be dredged
13. Vicinity map showing proposed disposal sites
14. Dredging design depth and typical cross section, including overdepth and date of last dredging episode and design depth.
15. Controls established to ensure that dredging operations occur at the locations shown
16. Water containment control for dredged materials accumulated during ongoing dredging operations
17. Controls established to ensure that disposal of the dredged materials at the San Francisco deep ocean disposal site is at the assigned location
18. Method of electronically determining horizontal and vertical position of dredge and dump scow during entire dredging operation and transport to disposal site
19. Name of independent quality control inspector
20. Vessel transit alignment for transit past Farallon Islands

48-8.01C(4) Solid Debris Management Plan

Submit a solid debris management plan 60 days before you start dredging. Include the U.S. Army Corps of Engineers permit number and dredging episode number. The plan must include:

1. Measures to ensure that solid debris generated by demolition and construction work is retained and properly disposed
2. Source and expected type of debris
3. Debris retrieval method
4. Disposal method and site
5. Schedule of disposal operations
6. Debris containment method to be used if floatable debris is involved

48-8.01C(5) Disposal Site Verification Log

Submit a weekly disposal site verification log (DSVL) by noon each Monday. Include the U.S. Army Corps of Engineers permit number. The DSVL includes the dredged materials disposal during the preceding week. The DSVL entries must include the Vessel Traffic Control System confirmation number issued for the disposal trip. For a sample DSVL form, go to:

<http://www.spn.usace.army.mil/Missions/DredgingWorkPermits/Guidance.aspx>

48-8.01C(6) Post-Dredging Survey

Submit a hydrographic survey within 15 days of completing dredging episode. Include the U.S. Army Corps of Engineers permit number and dredging episode number. The survey must be accurate to within 0.1 foot. The survey must show:

1. Areas dredged
2. Dredged depths
3. Quantities dredged and quantities of overdepth
4. Dredging start and end dates
5. Calculations used to determine quantities
6. Explanation of difference in actual and estimated quantities greater than 15 percent

The survey must be sealed and signed by either:

1. A surveyor who is registered as a land surveyor in the State
2. An engineer who is registered as a civil engineer in the State

48-8.01C(8) Quality Control and Assurance

48-8.01C(8)(a) Surveying and Positioning

Perform hydrographic surveys and positioning control under:

1. U.S. Army Corps of Engineers engineering manual EM 1110-2-1003
2. U.S. Army Corps of Engineers engineering manual EM 1110-1-1003
3. International Hydrographic Organization publication S-44

48-8.02 MATERIALS

Not Used

48-8.03 CONSTRUCTION

48-8.03A General

Dredging activities must start on or after June 1 and end before December 1 of any year.

Place dredged materials directly into vessels that will be used for transport to the disposal site.

For hopper dredging only, limit the duration of overflow from the hoppers to a maximum of 15 minutes.

Prevent overflow (over the sides or underwater) of dredged materials and water from barges, except for spillage incidental to clamshell dredging.

Dredged objects determined to be of historical significance by the Engineer are the property of the State. Dispose of other debris.

Prevent spillage and leakage of dredged materials and water from barges and dump scows during transit to disposal sites.

Monitor hull displacement of each scow loaded by the dredge. Paint visible draft levels at 1-foot intervals and at the 80-percent-load line on the inside of each scow. Monitor continuously from initial loading to discharge at disposal site. Monitoring systems must provide average hull displacement of each scow. Hull displacement sensors must take measurements at 1-second intervals. Data recorders must store two-minute averages of the 1-second input signals. If monitoring equipment breaks down during dredging, record measurements manually on a form. Repair monitoring systems within 72 hours of equipment breakdown or stop using the scow until repaired. Retain monitoring records daily. Report the loss of hull displacement sensors when it is noted. Include an explanation of why it happened and what will be done to fix the problem.

Equip vessels used in dredging activities with short- to medium-range electronic positioning system (EPS) or global positioning system (GPS). EPS using range-range methods or GPS must display and record the vessel's location continuously during dredging and transit to disposal site. Provide a continuous graphic printout plotter or graphic monitor on dredges using a range-range positioning system. Retain a complete record of the position data (dredge track history) including date, time, coordinates and root mean square (quality of position closure) daily. Use an EPS with at least two transponders or a GPS with a minimum accuracy of 10 feet. Stop dredging activities if the positioning system fails.

Notify the U.S. Coast Guard's Vessel Traffic Control Service by radio (channel 14) at least 5 minutes before vessel departure to the disposal site. The notification should include the vessel name and the departure time from the dredge site.

After unloading the dredged materials, notify the U.S. Coast Guard's Vessel Traffic Control Service by radio (channel 14) of the vessel's departure time from the disposal site.

48-8.03B Disposal at San Francisco Deep Ocean Disposal Site

Before disposal vessels leave the dredging location an independent inspector must certify on a checklist that the load complies with the provisions of the PLACs. The independent inspector must not be an employee of the Contractor in charge of dredging or dredged materials disposal. Disposal must comply with the following:

1. Do not leave the bay when wave heights along the transit route are predicted to exceed 10 feet and wave periods are less than 12 seconds or when waves are greater than 16 feet regardless of wave period. During severe weather conditions take extra precautions (such as reducing the load up to 15 percent) to prevent loss of materials during transit. Verify predicted sea conditions before starting transit.
2. Do not load barges above the 80 percent load line. Reduce the load below 80 percent if sea condition is rough.
3. Do not exceed 6 knots over the bottom when towing loaded barges.
4. Tugboats with barges must remain outside the territorial sea boundary surrounding Farallon Islands by following the inner portion of the outbound western shipping lane for transit into and out of the bay. Vessels must remain at least 3.5 miles from the Farallon Islands.
5. Use U.S. Coast Guard Offshore Vessel Movement Reporting System to track barges within its range.
6. When dredged materials are discharged, the disposal vessel must not be further than 1960 feet from the center of the disposal site at latitude 37°39'N; longitude 123°29'W (NAD 83). Only one disposal vessel is allowed within the dumping target perimeter at any time.
7. Equip each disposal vessel with a primary tracking system for recording ocean disposal activities. Use a GPS tracking system capable of indicating and recording the position of the disposal vessel with a minimum accuracy of 10 feet. Furnish draft and bin sensors positioned near both the forward and aft ends of the disposal vessel and calibrated to accurately record vessel draft and load level. The primary disposal tracking system must indicate and record:
 - 7.1 Position
 - 7.2 Draft
 - 7.3 Load level throughout transit to the disposal site, during dumping, and for at least one-half hour after disposal is complete
 - 7.4 Time and location of start and end of each disposal event.
 - 7.5 Automatically at a maximum 5-minute interval while outside the disposal site boundary and at a maximum 15-second interval while inside disposal site boundary.

8. A functioning back-up tracking system, meeting the minimum accuracy requirement listed for the primary tracking system, must be in place on the towing vessel. If the primary tracking system fails during transit the disposal trip may continue if the back-up tracking system remains operational. Position the towing vessel so that, given the compass heading and tow cable length to the scow ("lay back"), the estimated scow position is within 1960 feet of the center of the disposal site. In such cases the towing vessel position and the tow cable length and compass heading to the disposal vessel must be recorded and reported. Do not use the vessel again for disposal until the primary tracking system is repaired.
9. Data recorded from the disposal tracking system must be posted by an independent third party on a near-real-time basis to a Worldwide Web site accessible by U.S. Environmental Protection Agency Region 9, the San Francisco District U.S. Army Corps of Engineers, and Gulf of the Farallones National Marine Sanctuary. The website must:
 - 9.1. Be searchable by disposal trip number and date
 - 9.2. Provide a visual display of:
 - 9.2.1. Disposal vessel transit route
 - 9.2.2. Start and end locations of the disposal event
 - 9.2.3. Disposal vessel draft and load level throughout transit
 - 9.3. Generate and distribute "e-mail alerts" regarding any apparent:
 - 9.3.1. Dumping outside the disposal area
 - 9.3.2. Substantial loss of materials during transit (substantial is defined as an apparent loss of draft of one foot or more between the start and end times of the trip)
Send "e-mail alerts" within 24 hours of the end of that trip to U.S. Environmental Protection Agency Region 9, the San Francisco District U.S. Army Corps of Engineers, and relevant national marine sanctuary, if the event triggering the alert occurred within a sanctuary boundary, and to other addressees as may be indicated by U.S. Environmental Protection Agency Region 9 or the San Francisco District U.S. Army Corps of Engineers.The requirement for posting this information is independent from hard-copy reporting requirements.
10. Keep daily records of:
 - 10.1. Dredging operations
 - 10.2. Transportation schedules
 - 10.3. Barge load disposal volumes
 - 10.4. Exact location and time of disposal.
11. If a violation occurs make necessary changes to bring disposal operations into compliance before making another trip to disposal area. Report violations to the Engineer.
12. Allow on-board inspections by U.S. Environmental Protection Agency Region IX, U.S. Army Corps of Engineers, and certified inspectors to ensure that the transportation and disposal occur within the designated discharge zone and comply with PLACs.
13. Allow independent observers as specified in PLACs and approved by the Engineer to be present on disposal vessels during trips to the disposal area to conduct surveys of seabirds and marine mammals.

48-8.03C Disposal at Beneficial Reuse Sites

The dredged materials disposed of at a beneficial reuse site must be transported via barge, scow, or hopper dredge to the disposal site. No dredged materials or water shall leak during transport.

The Department has received acknowledgement that the project's dredged materials meet acceptance criteria for:

Montezuma Wetlands Restoration Project
Rachel Bonnefil
Acta Environmental
286 Bradford Street
San Francisco, CA 94110
(415) 648-6224

Winter Island Reclamation District 2122
Robert Calone, Vice President
293 Pueblo Drive
Pittsburg, CA 94565
(925) 432-3300

You will pay for any additional sediment sampling and testing required by disposal sites other than the two listed above.

For any disposal site used, you are responsible for obtaining final agreement with the disposal site owner under section 5-1.20B(4).

48-8.03D Hydrographic Surveys

Survey lines must be referenced to the project horizontal and vertical datum references as shown. Space cross sections at 100 feet center to center and extend the line 15 feet past the slope-original ground intersect points. Use manual or acoustical methods for depth sounding.

48-8.04 PAYMENT

Payment for marine access dredging and disposal of dredged materials is included in the payment for establish marine access.

BID ITEM LIST
04-013524

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
21	140003	ASBESTOS COMPLIANCE PLAN	LS	LUMP SUM	LUMP SUM	
22	141000	TEMPORARY FENCE (TYPE ESA)	LF	580		
23	141001	HEALTH AND SAFETY PLAN	LS	LUMP SUM	LUMP SUM	
24	141110	WORK AREA MONITORING (BRIDGE)	LS	LUMP SUM	LUMP SUM	
25	027662	VIBRATION MONITORING	LS	LUMP SUM	LUMP SUM	
26	027663	PHOTO SURVEY OF EXISTING FACILITIES	LS	LUMP SUM	LUMP SUM	
27	044681	SALVAGE BRIDGE ELEMENTS	LS	LUMP SUM	LUMP SUM	
28	157560	BRIDGE REMOVAL (PORTION)	LS	LUMP SUM	LUMP SUM	
29	027664	ROADWAY EXCAVATION (TYPE H)	CY	210		
30	198010	IMPORTED BORROW (CY)	CY	2,740		
31	210300	HYDROMULCH	SQFT	55,000		
32	210430	HYDROSEED	SQFT	55,000		
33	210600	COMPOST	SQFT	55,000		
34	210630	INCORPORATE MATERIALS	SQFT	55,000		
35	044682	ESTABLISH MARINE ACCESS	LS	LUMP SUM	LUMP SUM	
36	800360	CHAIN LINK FENCE (TYPE CL-6)	LF	580		
37	BLANK					
38	028241	DOCUMENT MANAGEMENT SYSTEM	LS	LUMP SUM	LUMP SUM	
39	028242	SALVAGE BRIDGE ELEMENTS (GROUP B)	LS	LUMP SUM	LUMP SUM	
40	999991	MOBILIZATION (MARINE ACCESS)	LS	LUMP SUM	LUMP SUM	

TOTAL BID:

\$

CONTRACT NO. 04-013524
REPLACED PER ADDENDUM NO. 1 DATED OCTOBER 28, 2014