

Governor

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**** WARNING ** WARNING ** WARNING ** WARNING ****
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August 5, 2008

08-SBd-5708
08-479504

Addendum No. 1

Dear Contractor:

This addendum is being issued to the contract for Building Construction adjacent to SAN BERNARDINO COUNTY IN ANGELUS OAKS AT THE CAMP ANGELUS MAINTENANCE STATION 37710 HIGHWAY 38.

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 August 14, 2008.

This addendum is being issued to revise Notice to Contractors Instructions to Bidders General Conditions and Special Provisions.

In the Special Provisions, Division 1, Section 1.14, "PROJECT INFORMATION," second paragraph, item A is revised as follows:

"Asbestos and lead based paint survey report, Laboratory analysis, dated February 8, 2008."

In the Special Provisions, Division 1, Section 1.17, "ASBESTOS," is deleted.

In the Special Provisions, Division 1, Section 1.18, "LEAD BASED MATERIALS," is deleted.

In the Special Provisions, Division 2, Section 2.02, "REMOVAL AND DISPOSAL OF ASBESTOS," is replaced with "ASBESTOS ABATEMENT," as attached.

In the Special Provisions, Division 2, Section 2.021, "LEAD RELATED CONSTRUCTION WORK," is added as attached.

To Proposal and Contract book holders:

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

Submit bids in the Proposal and Contract 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.

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This office is sending this addendum by confirmed facsimile to all book holders to ensure that each receives it. A copy of this addendum is available for the contractor's use on the Internet Site:

http://www.dot.ca.gov/hq/esc/oe/weekly_ads/addendum_page.html

If you are not a Proposal and Contract 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,

ORIGINAL SIGNED BY

ROBERT E. TRAVIS, Chief
Office of Plans, Specifications & Estimates
Office Engineer

Attachments

2.02 ASBESTOS ABATEMENT

GENERAL

This work includes removal, clean up and disposal of the below listed asbestos containing material (ACM) and asbestos containing construction material (ACCM) to the extent necessary for the building and structure demolition work of this project. The Contractor shall review all demolition plans, survey reports and field verify location and extent of materials containing asbestos related work.

REFERENCES

Codes, regulations and references applicable to asbestos abatement work include but are not limited to the following:

1. American National Standards Institute (ANSI) publications;
 - Z9.2-79 Fundamentals Governing the Design and Operation of Local Exhaust Systems.
 - A10.6-2006 Safety Requirements For Demolition Operations
2. American Society for Testing and Materials (ASTM) publications;
 - D1331-89 (Re-approved 2001) Surface and Interfacial Tensions of Solutions of Surface Active Agents.
 - E1494-92 (Re-approved 2002) Specifications for Encapsulants for Friable Asbestos-Containing Building Materials.
 - E1368.90 Standard Practices For Visual Inspection of Asbestos Abatement Projects.
3. Code of Federal Regulations (CFR);
 - 29 CFR 1926.1101 "Asbestos."
 - 40 CFR 61 Subpart A and Subpart M, USEPA, "National Emission Standards for Hazardous Air Pollutants (NESHAPS)."
4. National Fire Protection Association (NFPA):
 - No. 70.2005 National Electrical Code.
5. California Code of Regulations (CCR):
 - Title 8, Division 1, Chapter 3.2, Subchapter 2, "Regulations of the Division of Occupational Safety and Health;" Article 2.5, Section 341.6 to 341.14; "Registration-Asbestos-Related Work."
 - Title 8, Division 1, Chapter 4, Subchapter 7, "General Industry Safety Orders," Group 16, Article 110, Section 5203; "Carcinogen Report of Use Requirements."
 - Title 8, Division 1, Chapter 4, Subchapter 4, "Construction Safety Orders," Article 4, Section 1529: "Asbestos"
 - Title 22, Division 4.5, Chapter 10, "Hazardous Waste Management System: General."
6. Local Air Pollution Control District Regulations

EXISTING SITE CONDITIONS

A hazardous material survey report by Secor, Project No. 04OT.A6916.01 dated February 8, 2008 is included as an information handout. Location of asbestos containing materials and presumed asbestos containing materials from survey reports where work is preformed include:

ASBESTOS CONTAINING MATERIALS				
Location	Description	Asbestos Concentration	Approximate Amount	Category
Maintenance building roof	Grey/Black roofing mastic (perimeter and vent pipe)	10% crysotile	500 lf	Non-friable

TSI-Thermal System Insulation

PACM-Presumed Asbestos Containing Material

Location of asbestos containing materials and presumed asbestos containing materials from survey reports where no work is performed include:

ASBESTOS CONTAINING MATERIALS				
Location	Description	Asbestos Concentration	Approximate Amount	Category
Boiler room	White pipe elbow joint wrap	5% crysotile	5 lf	Friable Good condition

TSI-Thermal System Insulation

PACM-Presumed Asbestos Containing Material

There is no work scheduled in this area for this contract. This information shall be communicated to all Employers, Employees, Contractors and Sub-Contractors in writing prior to any activities that may disturb this material during the course of work.

This work includes all plans, permits and the removal, transportation, storage, and disposal of all material containing asbestos as specified or shown on the plans.

PRECONSTRUCTION MEETING

At least 7 days before asbestos removal work commences, a preconstruction meeting shall be held at a location designated by the Engineer. Attendees shall include the Engineer, Department's Observation Service, Contractor's Competent Person; the Contractor's Project Superintendent, and others as necessary. The agenda shall include a review of project safety requirements, the Contractor's written asbestos compliance work plan, emergency contacts and notification plan, containment and work area design, facility requirements, submittals, and any other issues pertinent to the safe execution of the asbestos abatement work.

Work shall not commence until the Engineer has approved submittals and plans for asbestos abatement work.

EQUIPMENT AND MEDICAL SURVEILLANCE

Personnel protective equipment, training, and medical surveillance required by the Contractor's Health and Safety Plan shall be provided to State personnel by the Contractor. The number of State personnel will be 4. The Contractor shall comply with all Federal State and local requirements for safety which shall include providing employees with coveralls (preferably disposable plastic coated), rubber gloves (to be discarded after use), rubber boots (to be washed thoroughly after use) and appropriate respirators (to cover nose and mouth). The Contractor shall be responsible for verifying that all employees, who are involved in asbestos removal operations, wear the protective devices enumerated herein during removal operations.

SUBMITTALS

Product data: A list of manufacturer's product data, specifications, samples and application instructions and other pertinent information as necessary shall be submitted for approval.

Abatement Procedure Plan:

The Contractor shall submit the following detailed plan of the work procedures for abatement of asbestos materials:

1. Federal, State and Local agencies that require notification.
2. Personal monitoring procedures.
3. Phasing of abatement work indicating daily roster of workers for each phase.
4. Security system warning signs locations.
5. Detailed plans for decontamination facilities, toilets, and systems providing intraroom and Work Area to outside communication showing connections to existing building.
6. Standard procedures for protecting workers, visitors, and employees and protection of spaces outside Work Area from contamination.
8. Safety precautions such as lockout, tagout, fall protection, and confined space entry procedures and equipment and work procedures to be used in the encapsulation, removal and demolition of materials containing asbestos.

The plan shall be prepared, signed and stamped by a certified asbestos consultant.

Waste Transportation: Submit the method of transport of hazardous waste including name, address, EPA I.D. number and telephone number of transporter.

Hazardous Waste Site: Submit for approval the name, class, address, EPA I.D. number and telephone number of hazardous waste site(s) to be utilized for disposal.

Waste Manifest: For Waste Manifest purposes the Generator is the facility of the subject work. Obtain necessary information for this purpose from the Engineer. Give a copy of the Waste Manifest to the State's Observation Service for each shipment of material containing asbestos. The Contractor shall submit a non hazardous waste manifest or waste shipment record (WSR) for disposal of material containing asbestos that is not classified as a hazardous waste.

Qualifications:

The following documents shall be submitted:

Registration: Submit copy of the registration for Asbestos-Related work from the Division of Occupational Safety and Health in accordance with Title 8, Article 2.5 of the California Code of Regulations.

Medical Examination: Submit proof that personnel who will be entering regulated asbestos areas have had medical examinations, and furnish the results of said exam to the Engineer and signed by the medical examiner.

Submit an employee roster to the Engineer for each Work Shift and confirm in writing within 24 hours of commencement of shift.

Land Disposal Restrictions:

Submit a copy of the completed Notice and Certification with each Hazardous Waste Manifest for wastes intended for land disposal pursuant to Section 67740 of 22 CCR, Division 4.5, Chapter 45, to the Engineer and signed by the generator.

For HEPA-filtration systems exhausting externally within 50 feet of the building's air intake or entry, submit the results of on-site DOP or Portacount testing of required efficiency.

NOTIFICATIONS, COMMUNICATIONS AND POSTINGS

The Contractor shall notify the Engineer 15 working days prior to the start of any abatement work.

Prior to performing operations involving the removal of material containing asbestos, the Contractor shall provide written notification to all Federal, State and local agencies that regulate the handling and disposal of material containing asbestos.

The Division of Occupational Safety and Health (CAL OSHA) shall be notified 24 hours prior to performing removal operations of materials containing asbestos.

Notification shall be in accordance with the NESHAP, 40 CFR, Part 61, Subpart M and Section 341.9 of Title 8 of California Code of Regulations.

In addition to detailed requirements of this Specification, comply with laws, ordinances, rules, and regulations of federal, state, regional, and local authorities regarding handling, storing, transporting, and disposing of material containing asbestos. Submit matters of interpretation of standards to the appropriate administrative agency for resolution before starting work. Where requirements of this Specification and reference documents vary, the most stringent requirement shall apply.

FIELD AIR SAMPLING

Personnel monitoring and other monitoring which is required by law or considered necessary by the Contractor for worker protection shall be the responsibility of the Contractor and performed by the Contractor's Competent Person. The Contractor shall disclose any interest in the firm or laboratory performing the Field Air Sampling or analysis.

MATERIAL

Not used.

CONSTRUCTION

PROJECT PROCEDURES

General:

Asbestos abatement work shall not commence until:

Arrangements have been made for disposal of material containing asbestos at an acceptable site.

Arrangements have been made for containing and disposal of waste water containing asbestos resulting from wet stripping.

Tools, equipment and material waste receptacles are on hand.

Arrangements have been made for building security.

Preparatory steps have been taken and applicable notices posted and permits obtained.

Differential pressure systems are installed and operating, where applicable.

Work area requirements:

All asbestos abatement shall be performed in regulated areas with access limited to the asbestos removal contractor's employees, regulating officials and Engineer until cleared.

Clean the proposed Work Areas using HEPA filtered vacuum equipment or wet cleaning methods as necessary to maintain fiber levels at or below 0.01 f/cc. Methods that raise dust, such as dry sweeping or vacuuming with equipment not equipped with HEPA filters shall not be used.

DISPOSAL

The sealed asbestos containers shall be delivered to the Contractor's pre-designated approved Hazardous Waste Site for burial; in accordance with Title 22, CCR, EPA guidelines and 40 CFR 61.156 and local Air Pollution Control District Regulations.

Notify the Engineer 48 hours in advance of the time when materials containing asbestos are to be removed from the site.

The Contractor shall be responsible for safe handling and transportation of hazardous waste generated by this Contract to the designated Hazardous Waste Site.

The Contractor shall hold the State harmless for claims, damages, losses, and expenses against the State, including attorney's fees arising out of or resulting from asbestos spills on the site or spills enroute to the disposal site.

AIR MONITORING

PERIMETER AREA AIR MONITORING

Throughout the abatement process perimeter area air monitoring may be conducted by the State's Observation Service to ensure work is done in conformance with fiber concentration limits of these Specifications.

If perimeter area air monitoring outside the work area is in excess of 0.01 fibers/cc the Contractor shall make modifications in work procedures to assure compliance with minimum standards. Unsatisfactory results are fiber counts in excess of 0.01 fibers/cc by Phase Contract Microscopy (PCM) NIOSH 7400 method measured outside the work area as Perimeter Area Air Monitoring.

The State's Observation Service will report perimeter area air monitoring results collected outside the work area to the Engineer on the following day prior to start of work.

The Contractor shall submit the laboratory analysis report and chain of custody (COC) to the State's Observation Service of the Contractor's personal monitoring results within 48 hours following completion of that work shift. Personal air monitoring results shall not exceed the maximum use level (MUL) of the respiratory protection factor (PF) in use for asbestos.

2.021 LEAD RELATED CONSTRUCTION WORK

GENERAL

SUMMARY

The work area includes surfaces painted with lead related construction materials which are designated on the plans or specified in these special .

The Contractor shall take special precautions to not disturb materials which may contain lead, during construction.

SITE CONDITIONS

A hazardous material survey report by Secor, Project No. 04OT.A6916.01 dated February 8, 2008, is included as an Information Handout. The following items tested positive for Lead Based Paint material:

Lead based paint		
Location	Description	Total Lead % by weight
Shop, Office building and gravel bay	Exterior walls, doors and base trim Light green and olive Flaky condition	0.20-0.333
Shop, office building, and gravel bay	Exterior roof eve, Olive Flaky condition	
Shop	Grey/red primer on steel beams throughout structure	16.5-18.6
Shop, Office building	Interior tan and green paint on walls, doors and jambs	0.126-0.227
Boiler room	Interior white	0.142
Boiler room	Interior tan on jambs	0.126