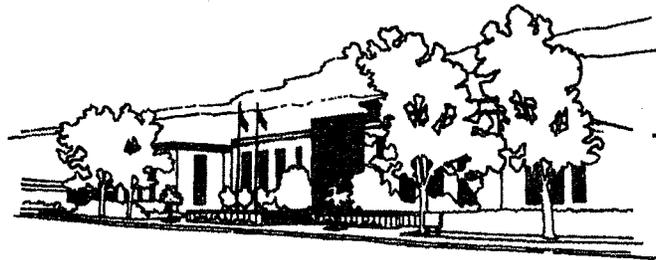


City of San Leandro  
Civic Center, 835 E. 14th Street  
San Leandro, California 94577  
www.sanleandro.org



**CITY HALL SOUTH END ROOF REPLACEMENT  
PROJECT NO. 2013.0300  
BID NO. 13-14.012**

**ADDENDUM NO. 1**

April 11, 2014

TO: All Prospective Bidders

The additions and/or deletions contained in this Addendum shall be made a part of the plans and specifications and contract documents for the above described project, and shall be subject to all applicable requirements thereunder, as if originally shown and/or specified.

**THE FOLLOWING PORTIONS OF THE CONTRACT BOOK ARE REVISED:**

Section 02 61 00: This section is re-issued in its entirety.

**PLEASE NOTE:**

**The Bid Opening Date Remains 3:00 PM, Wednesday, April 30, 2014.**

Acknowledge this addendum and include a signed copy of the Acknowledgement Form in your Proposal. If you have any questions, please call the Project Engineer, Nick Thom, at (510)577-3431 or via email at [nthom@sanleandro.org](mailto:nthom@sanleandro.org).

Sincerely,

Kenneth Joseph, P.E., City Engineer  
Engineering and Transportation Department  
[kjoseph@sanleandro.org](mailto:kjoseph@sanleandro.org)

**ACKNOWLEDGEMENT ADDENDUM NO. 1**

(Include a signed copy of this form in your proposal)

I hereby acknowledge receipt of this Addendum for the above noted project.

Date: \_\_\_\_\_

(Signature)

\_\_\_\_\_  
(Business Name – Please Print)

Stephen H. Cassidy, Mayor

City Council:

Pauline Russo Cutter

Michael J. Gregory

Benny Lee

Jim Prola

Ursula Reed

Diana M. Souza



**SECTION 02 61 00  
REMOVAL OF ASBESTOS AND LEAD  
CONTAINING MATERIAL**

**PROJECT**

San Leandro City Hall South Roof  
835 E. 14<sup>th</sup> Street  
San Leandro, California

**PREPARED FOR**

**City of San Leandro**  
835 E. 14<sup>th</sup> Street  
San Leandro, California

**PREPARED BY**

ProTech Consulting and Engineering  
1208 Main Street  
Redwood City, CA 94063  
650-569-4020

November 2013  
(Job No. 684-AC13.2)

## **PART 1 - INTRODUCTION**

### **1. Overview**

This work plan delineates the basic work and safety requirements for hazardous materials related work that will be performed during the removal of asbestos-containing south roof of the San Leandro City Hall located at 835 E. 14<sup>th</sup> Street, San Leandro, California.

### **2. - Scope-Of-Work:**

During the course of the project, personnel will be required to conduct tasks that will cause them to come in contact, impact, and handle hazardous materials. Hazardous materials, and work associated with those materials are as follows:

<b>Asbestos Containing Materials</b>			
<b>ACM:</b>	White vinyl membrane with silver membrane below at north south roof junction	3 - 60% Chrysotile	Approx. 100 sq ft
	Gray/black roofing mastic at patches, penetrations and flashing	0-10% Chrysotile	Approx. 150 sq ft
	Silver/black roofing mastic at patches, penetrations and flashing	0-5% Chrysotile	Approx. 250 sq ft

<b>Task:</b>	<p>Asbestos-containing materials must be removed prior to, and separately from general roof tear-off and demolition activities.</p> <p>The contractor shall ensure that all ACM is removed in a manner that ensures:</p> <ol style="list-style-type: none"> <li>1. Exposure levels in the work area, during removal do not exceed regulated standards.</li> <li>2. The work area is left clean and uncontaminated and suitable for general reentry without the use of specialized protective measures.</li> <li>3. There is no risk of contaminating being transferred to non-work areas (including the interior of the building).</li> <li>4. Work does not raise the level of airborne fibrous dust and/or asbestos in any location above pre-work levels.</li> </ol> <p>ACM removal must be performed by a DOSH registered contractor.</p> <p>Asbestos work must be supervised by an EPA accredited asbestos competent person and performed by EPA accredited asbestos workers.</p>
<b>Standards:</b>	<p>All work shall be performed per applicable local, state, and federal regulatory standards including but not limited to:</p> <ul style="list-style-type: none"> <li>• Cal OSHA, CCR Title 8, 1529</li> <li>• BAAQMD Regulation 11, Rule 2</li> <li>• DTSC disposal standards</li> </ul>

**Lead-Based Paint (LBP) & Lead-Containing Paint (LCP)**

<b>Lead Paint:</b>	Lead-containing paint (LCP) exists throughout the site. Surfaced coat with LCP include: <b>LBP</b> • No lead-based paint was found  <b>LCP</b> • All tan metal roof components (HVAC, flashing, etc.)
<b>Task:</b>	Perform any lead-related tasks in accordance with Cal OSHA lead regulation.  The contractor shall ensure that any lead related work is performed in a manner that ensures: <ol style="list-style-type: none"><li>1. Exposure levels in the work area, during the removal do not exceed regulated standards.</li><li>2. The work area is left clean and uncontaminated and suitable for general reentry without the use of specialized protective equipment.</li><li>3. There is no risk of contaminating being transferred to non-work areas (including the interior of the building).</li><li>4. Work does not raise the level of lead in the air or in settled dust above pre-work levels.</li></ol> Lead work must be performed by an experience lead contractor. Work must be supervised by a California Department of Public Health (CDPH) certified lead supervisor and performed by (CDPH) certified lead workers.
<b>Standards:</b>	All work shall be performed per applicable local, state , and federal regulatory standards including but not limited to: • Cal OSHA, CCR Title 8, 1532.1 • DTSC disposal standards

## **PART 2 – SUBMITTALS**

---

Pre-job submittals are to be received by the project Environmental Consultant upon mobilization. Hazardous materials abatement, including pre-cleaning work, will not proceed until appropriate submittals are in place. Employees without proper training, medical, and respiratory protection documentation will not be allowed to work on the project.

Work-in-progress submittals are to be received on a daily or weekly basis, as appropriate. Post-abatement submittals are to be received within two weeks of on-site completion of abatement.

### **Pre-job Submittals** (as designated):

• Cal/OSHA Asbestos Abatement Notification per 8 CCR 1529 (twenty four (24) hours in advance);
• Copy of current Contractors' State Licensing Board (CSLB) License
• Copy of Cal/OSHA Asbestos Registration Certificate
• Proof of all required permits or variances
• Work schedule
• Asbestos abatement work plan
• Lead work plan – if applicable
• Copies of workers' asbestos training certificates, including the Competent Person
• Copies of CDPH Certified Lead Worker's and Supervisor's training certificates, as applicable
• Copies of workers' annual medical exam and respirator approval
• Copies of workers' twelve (12) month respirator fit testing records
• Material Safety Data Sheets (MSDS) for chemicals used
• Emergency phone and pager listing
• Rotometer calibrations within past six (6) months

### **Periodic Submittals** (as designated):

• Personal air monitoring (daily)
• Updated worker documentation (as needed)
• Work area access logs (daily);
• Work schedule changes (as needed)

### **Project Closeout Submittals** (as designated within two (2) weeks of completion):

• Certificate of Completion
• Receipt and weight tickets from landfill operator or recycler (as applicable)
• Copies of completed uniform waste manifests, including hazardous and non-hazardous waste
• Foreman's daily job reports
• Air sample results for all personnel, work areas and air filtration units

## **PART 3 – WORKER PROTECTION**

---

### **1. Medical Surveillance**

Contractor personnel and sub-contractors engaged in project operations will participate in a Medical Surveillance Program, and must be cleared by the examining physician (s) to wear respiratory protection devices for working with hazardous materials. The applicable requirements under Title 8 CCR, sections 5144, 1532.1, 1529 will be observed.

When required by law, the physician will supply a medical status document, certifying that the personnel assigned to the project are physically capable of performing their individual work tasks while wearing respiratory protective devices.

## **2. Employee Information And Training**

The contractor will provide training to employees whose tasks generate a potential exposure to any hazardous material. Training shall comply with Cal OSHA, CDPH and all other applicable regulatory standards. Training must have been performed within the previous 12 months of the projects completion date.

## **3. Personal Protective Equipment (PPE)**

The contractor will provide respirators (where required), protective clothing to all employees potentially exposed to hazardous compounds. Clean protective clothing will be provided to the employee on a daily basis at no cost to the employee. Contaminated work clothing will be removed in change rooms before lunch and at the end of the work shift. Soiled work clothes will be stored in closed, labeled containers. Waste work clothes will be sampled for hazmat content and/or disposal of as hazmat.

## **4. Hygiene Facilities**

The Contractor will provide access to the proper hygiene facilities for decontamination of personnel and equipment. Facilities shall be provided for use by all personnel assigned to the project. During work activities hygiene facilities will be located adjacent to the regulated work area.

## **5. Worker Exposure**

- A. Inhalation and ingestion are the major routes of worker exposure hazardous compound that may encounter on this project.

**Ingestion:** Ingestion generally occurs by normal hand-to-mouth activity (such as eating) after hands have been in contact with lead dust or contaminated items.

**Inhalation:** Inhalation or breathing of airborne lead generally occurs when lead coated surfaces or lead contaminated dust is disturbed and lead dust is released into the working environment.

- B. Exposures to hazards will be limited in the workplace with engineering controls and/or respiratory protection, if required. Exposures above the Cal OSHA prescribed permissible exposure limit (PEL) for each hazard shall not be exceeded. PEL compliance shall be accomplished by keeping visible dust from forming.

## **6. Personnel Monitoring**

Personnel air monitoring will be performed to measure worker exposures to hazards where mandated by Cal OSHA regulatory standards. Personal air monitoring will be

performed to assess exposure hazardous materials as required by Cal OSHA regulatory standards.

- During lead-related construction work
- During asbestos abatement

#### **7. Daily Safety Items**

Prior to commencing work each day, the project safety officer (PSO) will ensure that the following tasks are performed:

- A. The daily safety briefing is performed. All personnel assigned to the project will attend the briefing, and will indicate attendance by signing the attendance log. The daily safety briefing will cover information pertaining to the work activities to be performed during the day, as well as any anticipated safety or health issues that may be encountered. In addition, the daily safety briefing will also emphasize proper emergency procedures, and will identify any changes that may have occurred involving the work zones, their dimensions, or changes to site access.
- B. A hazard identification inspection is performed. This site inspection will be performed by the PSO or his designee, and is intended to identify and eliminate or control physical hazards that may exist on the project site (tripping hazards, slipping hazards, sharp objects, etc.).
- C. The work zones are properly delineated. Prior to start of work, the PSO will ensure that each of the work zones are properly marked, that the zone barricades or barrier tape is properly in place, and that the controlled zone access points are identified.

### **PART 4 - EXECUTION**

---

#### **1. Work Area Demarcation:**

- A. Hazmat work will be performed in regulated areas. Warning signs that appropriate and required for each hazard will be posted so that any person may read the signs and take necessary protective steps before entering the regulated work area.
- B. Warning signs and caution tape will be posted at all approaches to the regulated area. Warning signs shall be visible from all vantage points approaching the work area so that untrained personnel and/or the public can take precautionary measure to avoid the restricted area. Unauthorized person will not be allowed in the controlled work area.

## 2. Engineering controls

Controls will be implemented as necessary to reduce exposures to hazmat's to the greatest extent possible. Engineering controls may include but not necessarily be limited to:

- Adequate wetting of disturbed hazardous materials.
- Continuous misting of the work area as necessary to eliminate visible emissions during active lead-related work.
- Install worker decontamination facilities immediately adjacent to each work area entry/exit.
- Routine and prompt clean-up of hazmat debris.
- Containment to control and capture debris, dust and fall-out

## 3. Waste Packaging and Labeling

A. It is the responsibility of the Contractor to comply with current Federal, State and local regulations concerning the waste handling, transportation, and disposal of hazardous materials.

### B. Asbestos Waste Packaging

1. All ACM/ACCM and ACM/ACCM-contaminated materials, supplies, clothing, debris, etc. shall adequately wetted and be placed into leak-proof disposal containers.
2. Personal protective equipment (PPE) i.e. suits/coveralls, respirator cartridges, etc. shall be packaged, labeled, and disposed of with the asbestos removed during use of the PPE.

### C. Labeling

1. Asbestos disposal containers to be labeled as follows:
  - a. All ACM containing waste shall be labeled:

**DANGER**

**CONTAINS ASBESTOS FIBERS  
AVOID CREATING DUST  
CANCER AND LUNG DISEASE HAZARD**

- b. In addition, all Hazardous ACM waste shall include the following labeling:

HAZARDOUS WASTE  
  
STATE AND FEDERAL LAW  
PROHIBITS IMPROPER DISPOSAL  
IF FOUND, CONTACT THE NEAREST  
POLICE OR PUBLIC SAFETY  
AUTHORITY OR THE CALIFORNIA  
DEPARTMENT OF  
TOXIC SUBSTANCE CONTROL

Generator's Name  
Address  
Manifest No.

RQ, Asbestos, 9, NA2212, III

Cal/EPA & DOT Diamond Label

D. Disposal

1. Obtain any required permits and provide any required notices to the appropriate federal, state and local EPA agencies.
2. For hazardous waste, the Contractor shall provide California uniform hazardous waste manifest forms and include all information required by law.
3. Waste shipment records shall be provided by the Contractor for all Non-hazardous asbestos waste. The non-hazardous waste shipment record shall identify the waste generator, waste transporter, and receiving facility (land-fill); quantity of waste, and clearly state that the waste contains asbestos.
4. Carefully load containerized waste on sealed trucks or other appropriate vehicles for transport. Exercise care before and during transport, to insure that no unauthorized persons have access to the material. Take bags from the work area directly to a sealed truck or dumpster
5. Asbestos-containing hazardous waste materials shall be transported in a completely enclosed shipping container, open truck beds with tarpoline covers are not allowed unless first loaded in sealed drums. Double bagged material may be transported on open trucks if they are loaded in sealed drums. Label drums with same warning labels as bags. Uncontaminated drums may be reused. Treat drums

that have been contaminated as asbestos-containing waste and dispose of in accordance with this specification. If the waste shipment consists of non-friable, non-hazardous waste only, the materials may be transported to other than Class II waste sites.

6. Advise the sanitary landfill operator at least twenty-four hours in advance of transport of the quantity of friable and non-friable asbestos material to be delivered.
7. At the burial site sealed plastic bags may be carefully dumped from the truck. If bags are broken or damaged leave bags of ACM waste in the truck and clean entire truck and contents using procedures set forth earlier in these documents.
8. Submit copies of all manifests, waste shipment records, and landfill receipts to Owner.

#### **4. Project Decontamination**

- A. Work of This Section includes the decontamination of all surfaces of the work area, all equipment in the Work Area and the air in the Work Area which may have been contaminated during abatement activities or which may previously have had elevated fiber counts due to friable asbestos-containing materials in the space.
  1. Carry out a final cleaning of all surfaces within the abatement work area including items of tools, supplies and equipment. Use of damp cleaning methods and mopping, and/or a High Efficiency Particulate Air (HEPA) Filtered vacuum shall be used.
  2. Do not perform dry dusting or dry sweeping.
  3. Remove unneeded tools and equipment from the abatement work area via the decontamination area. Ensure that all equipment leaving the work area has been decontaminated and/or wrapped in 4 mil plastic sheeting.

#### **5. Final Clearance**

- A. The Owners Representative shall conduct a final inspection of the work area upon completion of all abatement and clean-up tasks. The contractor shall notify the Owner or Owner's Representative at least 24 hours in advance of the project completion.
- B. Upon successful completion of the final visual inspection, as determined by the Owner's Representative, the Contractor shall remove all remaining equipment and plastic sheeting from the work area and restore the abatement work areas and all

affected areas to pre-abatement conditions. Any small quantities of residual material found upon removal of the plastic sheeting shall be removed with a HEPA filtered vacuum cleaner .

**3. Spills or Breaches**

In the event that hazardous materials spill, migrate, or enter non-regulated areas. Immediately stop all work and clean up the spilled material using appropriate means and methods such as wet wiping and HEPA vacuuming. The costs associated with any and all clean-up, decontamination, disposal, testing, consulting, etc. shall be born by the Contractor.

-End of Section-