
**SAN FRANCISCO UNIFIED SCHOOL DISTRICT
2011 PROPOSITION A BOND PROGRAM
Roosevelt Middle School
Abatement Project**

ADDENDUM NO. 2

**PROJECT: Roosevelt Middle School
Abatement Project
460 Arguello Blvd., SF CA**

DATE: June 7, 2012

**OWNER: San Francisco Unified School District
135 Van Ness Avenue
San Francisco, CA 94103**

DSA FILE NO.: NA

DSA APP. NO.: NA

Notice is hereby given to all prospective bidders that plans and specifications on the subject project are modified as hereinafter set forth. This Addendum shall be attached to and form a part of the plans and specifications. All bidders must acknowledge receipt of this addendum on the Bid Form. In case of difference with previous addenda or communications, this addendum takes precedence.

It is the responsibility of all bidders to notify all subcontractors from whom they request bids and from whom they accept bids of all changes contained in this addendum.

ADDITION TO APPENDIX A - SECTION 1011

1. Item No. PM-HM1

Reference: 01011 – Summary of Hazardous Materials Work

Description: Replace Specification 1.03A – Scope of Work as follows:

- A. Removal, clean-up, and disposal of exposed asbestos-containing Thermal System Insulation (TSI) on piping located within the existing Auditorium/Corridor Crawl Space and Gymnasium Crawl Space Areas at Roosevelt Middle School. Estimated Quantities for purposes of bid:

- i. TSI Insulation (removal) - 1,500 linear feet (lf)
- ii. Piping Elbows/Tees – 50 total
- iii. Fiberglass Insulation (reinstallation) – 1,500 lf

Quantity of insulation for removal and installation is total for both crawl space areas

- B. Removal of asbestos debris, surface preparation, and clean-up of asbestos -contaminated concrete surfacing (rat proofing) Auditorium/Corridor crawl space area of Roosevelt Middle School. Estimated Quantities for purposes of bid:

- i. Total estimated rat proofing in crawl space area: 29,810 square feet (sf)
- ii. Total estimated contaminated rat proofing in crawl space area: 4,500 to 7,500 sf (15% – 25 % of total area)

See Specifications 01011 and 02080 for additional specifications applicable to abatement of contaminated spaces.

- C. Removal of asbestos debris, surface preparation, and removal of asbestos contaminated exposed soil in Gymnasium crawl space of Roosevelt Middle School. Estimated Quantities for purposes of bid:
- i. Total estimated crawl space area: 12,800 square feet (sf)
 - ii. Total estimated contaminated exposed soil in crawl space area: 2,500 to 3,900 sf (approximately 20% – 30% of total area).
 - iii. Where exposed soil consists of hard pan, excavation of soil to a depth of 2-inches will not be required. However, hard pad surface will be wetted, scrapped and HEPA vacuumed.
- See Specifications 01110 and 02080 for additional specifications applicable to abatement of contaminated spaces.
- D. Removal, clean-up, decontamination and disposal of building components with visible mold growth and clean-up of visible mold growth from building surfaces in Bell Tower at Roosevelt Middle School. See Specification 02085 for additional specifications applicable to mold remediation
- E. Removal, clean-up, decontamination and disposal of visible pigeon droppings and biological contamination in Bell Tower and associated rooms at Roosevelt Middle School. See Specifications 02097 for additional specifications applicable to remediation of bird excrement.

ADDITION TO APPENDIX A - SECTION 02080

2. Item No. PM-HM2

Reference: 02080 – Summary of Hazardous Materials Work

Description: Replace Specification 3.04G – Asbestos Removal (Crawl Space Areas – Contaminated Surfaces Abatement as follows:

- A. Crawlspace areas shall not be accessed or opened until the decontamination enclosure system has been installed. At this point, access shall be restricted until Differential Pressure Units are installed, operating, and maintaining a negative pressure of at least 0.02 inches of water.
- B. Seal off any openings within the crawlspace areas with plastic and tape and/or foam prior to proceeding with any other activities in the Work Area.
- C. For Rat Proofing/concrete surface covering in Auditorium/Corridor crawl space and Gymnasium crawl space, remove accumulations of TSI debris/spills located along existing piping alignments and where readily visible at other locations within the crawl space areas. Other debris and/or soil observed on concrete rat proofing surfaces that is visibly contaminated shall also be removed. Bag and dispose as ACM waste. Following removal, HEPA vacuum all surfaces.

- D. For exposed soil in Auditorium/Corridor crawl space and Gymnasium crawl space, remove loose TSI debris and other TSI components from exposed soil surfaces and dispose as ACM waste. Soil removal to be performed as follows:
- i. Loose Soil Condition: remove exposed soil surfaces vertically to a minimum depth of 2-inches from existing grade or two inches below depth of visible asbestos containing debris, whichever is deeper for soil areas. Remove soil laterally at least two feet beyond the limits of spills or debris. Removal shall be performed from the outward lateral limit to the interior area of the spill.
 - ii. Hard Pan Surface Condition (TSI Debris does not penetrate soil surface and soil surface cannot be readily broken up): Wet scrape and HEPA vacuum exposed surface approximately to a depth of 1/8-inch. Wet scrape exposed surface to at least two feet beyond the limits of spills or debris. Removal shall be performed from the outward lateral limit to the interior area of the spill.
- E. Upon completion of removal, thoroughly HEPA vacuum all vertical and horizontal surfaces of foundation walls. Thoroughly wash down all surfaces in the crawlspace areas, including ducts and exposed piping. Contractor shall perform two complete cleanings of the crawlspace areas prior to final visual inspection.

ADDITION TO APPENDIX A - SECTION 00335

Item No. PM-HM3

Reference: 00335 – Existing Hazardous Materials Conditions

Description: Specification 1.01 – Summary shall be amended to include the following:

- D. Crawl spaces meet the definition of a confined space. SFUSD has not designated crawl spaces as either a confined space or permit confined space. Contractor shall follow applicable OSHA interpretation letters addressing crawl spaces and shall incorporate necessary confined space requirement into their work plans based on their interpretation of OSHA regulations pertaining to crawl spaces being defined as a confined space.

END OF ADDENDUM ITEMS