

**ASBESTOS -CONTAINING MATERIAL SCOPE OF
WORK**

**Progress Elementary School
601 West B Street
Ogallala, Nebraska**

**PREPARED FOR:
EA ENGINEERING
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Lincoln, Nebraska 68525**

**PREPARED BY:
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June 15, 2015

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SCOPE OF WORK

Progress Elementary School
601 West B Street
Ogallala, Nebraska

PROJECT SCOPE OF WORK

Work of this contract includes the removal and disposal of asbestos containing/contaminated materials as necessary to expedite the demolition of the Progress Elementary School located at 601 West "B" Street, Ogallala, NE (see table below); hereinafter referred to as, the Site.

The Contractor is responsible for all asbestos containing/contaminated materials associated with the site. No monetary compensation or schedule changes will be made for the removal and disposal of asbestos containing and/or contaminated materials not identified in this document. All Contractors must field verify the quantities. Contractor is responsible for proper labeling, temporary storage, packaging and disposal of PCB light ballast, fluorescent tubes, mercury switches, etc. if removed as part of the asbestos abatement.

ASBESTOS-CONTAINING MATERIALS TABLE

Material Description	Approximate Location	Approximate Quantity of Material
9" x 9" Vinyl Floor Tile with Black Mastic (tile and mastic positive)	Gymnasium, Custodial Storage, Coached Office	3,500 SF
9" x 9" Vinyl Floor Tile with Black Mastic (tile and mastic positive)	Main Hallway and under all Carpeted Rooms	6,000 SF
12" x 12" Vinyl Floor Tile with Black Mastic (tile and mastic positive)	North Addition Hallway and Storage	750 SF
12" x 12" Vinyl Floor Tile with Black Mastic (tile only positive)	Nurses Office and Restroom	200 SF
Sink Undercoating	Rooms 108 and 109	2 EA
6" Insulated Mechanical Fitting	Kitchen Store Room	1 MF
Expansion Caulk	North End at New Addition Expansion Joints	200 LF
Roof Flashing	Perimeter and Roof Penetrations	2,000 LF
Transite Panels	East and West Entry Overhangs at North End	150 SF

MISCELLANEOUS

1. Contractor is responsible for maintaining a safe work environment throughout the project.
2. Contractor is responsible for any additional costs for reinspections of failed work areas.
3. All regulatory waivers must be approved in advance by the Owners representative.

REQUIRED NOTIFICATIONS

Send Written Notification as required by USEPA National Emission Standards for Hazardous Pollutants (NESHAPS) Asbestos Regulations (40 CFR 61, Subpart M) to the regional Asbestos NESHAPS Contacts at least 10 days prior to beginning any work on asbestos containing materials. All applicable notifications to federal, state, and local agencies shall identify the project as a “demolition” project. Send notification to the following addresses:

REGION 7

Asbestos NESHAPS Contact
Air & Waste Management Division
South USEPA
726 Minnesota Avenue
Kansas City, Kansas 66101
(913)236-2576

STATE OF NEBRASKA

Nebraska Dept. of Health
301 Centennial Mall
P.O. Box 95007
Lincoln, Nebraska 68509-5007

NEBRASKA REQUIREMENTS

Only the bids of contractors qualified to do business in the State of Nebraska will be considered; as required by Nebraska State Statutes and amendments thereto.

EXAMINATION OF SITE

It is required that all bidders attend a pre-bid conference meeting to be organized by the Owner or Owners Representative.

All site visits must be scheduled in advance through Owner or Owners Representative.

LOCAL CONDITIONS AFFECTING WORK

Each bidder shall visit the site of the work and complete an in-depth site investigation to completely inform oneself relative to construction hazards and procedures, labor and all other conditions and factors, local and otherwise, which would affect prosecution and completion of the work and its cost. Such considerations shall include the arrangement and condition of existing structures, facilities, utilities, etc. and the availability and cost of labor, facilities for transportation, handling and storage of materials and equipment. All such factors shall be properly investigated and considered in the preparation of the bidder's proposal. There will be no financial or schedule adjustment for lack of such prior information.

CONSTRUCTION DRAWINGS

All drawings attached herein shall be used as reference and orientation only. The Contractor shall check and verify all dimensions and conditions at the site(s) and shall assume full responsibility for the accuracy of the same.

UTILITIES

Connection to any water and or electricity shall be coordinated with and approved by Owner or Owners Representative. The cost associated with the hookup of any item of equipment either for test purposes or for use in construction shall be borne by the Contractor. The cost of the water and electricity shall be borne by the Contractor. The Contractor will be responsible for providing sanitary facilities if necessary.

CLEANING UP

On completion of the work, the Contractor shall remove from the building site all construction materials and rubbish resulting from his work

ASBESTOS DISPOSAL

Contractor shall dispose of all asbestos containing and/or contaminated material in an EPA approved landfill in Nebraska. The Contractor will pay for the special waste permit as required by the Landfill. The Owner's asbestos containing material shall not be mixed with asbestos containing/contaminated waste generated by other entities. Manifests must reflect only material which was abated from the site. Products used for abatement are to be landfill approved with the Nebraska Department of Environmental Quality.

INSPECTION

The Owner or Owners Representative shall be authorized to call the attention of the Contractor to any failure of the work or materials to conform to the provisions of the contract. The Owner or Owners Representative shall have the authority to reject materials or suspend the work until any questions at issue can be referred to and decided by Owner or Owners Representative. Costs associated with suspension of work, including but not limited to the Owner, Owner's Third Party Contractor(s), and the Abatement Contractor shall be borne by the Abatement Contractor.

OCCUPANCY

The Contractor must provide for the continuing access to various parts of the building by authorized individuals. Signs, screens, temporary curtains, etc. shall be provided if necessary to maintain the routine business operations of Owner within and around the Facility. The Owner will cooperate fully with the Contractor during the removal process. The Contractor shall schedule his operations so that conflict and disturbance will be kept to a minimum.

ADJOINING PREMISES

The Contractor shall take precautions and use extreme care to avoid damage to any of the adjacent facilities, buildings and utilities and carry out any necessary temporary and/or permanent repairs for which he is legally liable.

DAMAGES INCURRED

The Contractor will be assessed the cost of any and all additional consulting, inspection, testing and analytical services incurred by Owner. These costs may include but are not limited to the following:

- (1) For the cost of all management, labor and costs both direct and indirect to satisfactorily complete the project in excess of the number of work shifts identified by the Contractor on their proposal.

- (2) For all expenses incurred by Owner if the contractor fails to begin the project beyond the scheduled start date and representative is on site.
- (3) For all expenses incurred by Owner if the work is suspended do to the contractors actions and Owner's representative is on site.

FINAL PAYMENT

Final payment will be held until all work is complete and required submittals are turned into the Owners or Owner’s Representative. Substantial completion for asbestos removal is deemed once final air clearances have passed and/or a final inspection of site has been performed, if necessary. If submittals are not received within 30 days of substantial completion, an additional penalty of \$200.00 per calendar day may be assessed.

1.0 SCOPE OF WORK

1.1 PROJECT:

The work covered by this section includes furnishing all labor, equipment, materials, and transportation necessary for the proper and safe removal, handling, and disposal of asbestos-containing materials. The quantities furnished are approximations. The contractor should verify amounts for bid purposes. The asbestos containing materials consist of the following materials:

Material Description	Approximate Location	Approximate Quantity of Material
9” x 9” Vinyl Floor Tile with Black Mastic (tile and mastic positive)	Gymnasium, Custodial Storage, Coached Office	3,500 SF
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All non-friable asbestos containing material is to be removed and shall be abated as a non-friable project. No asbestos containing material will be left in-place during demolition **without written authorization** from the governing State Agency. If these materials are rendered friable during abatement, the contractor will be

responsible for ALL costs associated with the proper handling of these materials as a regulated project and notification to the State Agency.

Work areas known to contain or not to contain asbestos have been identified in the scope of work. For any other areas suspected to contain asbestos which would be impacted by the work involved and are not identified on the plans and specifications, the Contractor shall notify the Owner's Representative who will secure bulk samples to be analyzed by an EPA approved laboratory. Any additional areas identified as Asbestos Containing Materials (ACM) (friable and non-friable) shall be approved for removal by Owner or Owners Representative. The Contractor shall receive written approval from the Owner or Owners Representative prior to proceeding with any additional work.

All Resilient Floor Tile and Linoleum quantifications are based on one layer. Contractor should verify the quantities and number of layers. No monetary or scheduling changes will be made for multiple layers of these items not identified in this document.

All quantities listed in the tables are estimates only. Contractor shall field verify the quantities for all asbestos containing materials identified. No change orders will be permitted for quantity changes.

1.2 APPLICABLE PUBLICATIONS:

The publications listed below form a part of this section to the extent that these publications are to be complied with. The publications are referred to in the text by basic designation only.

- A. TITLE 29, CODE OF FEDERAL REGULATIONS, US DEPARTMENT OF LABOR, OCCUPATIONAL SAFETY, AND HEALTH ADMINISTRATION (OSHA) STANDARDS. Part 1910.20 Access to Employee Exposure and Medical Records, Part 1910.95 Occupational Noise Exposure, Part 1910.13 Respiratory Protection, Part 1926.1101 Asbestos, Part 1910.12 Hazard Communication.
- B. TITLE 40, CODE OF FEDERAL REGULATIONS, U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA) STANDARDS. Part 61, National Emission Standards for Hazardous Air Pollutants; Asbestos NESHAP Revision; Final Rule, and Part 763 Asbestos Containing Materials; Final Rule and Notice.
- C. TITLE 49, CODE OF FEDERAL REGULATIONS, U.S. DEPARTMENT OF TRANSPORTATION (DOT) STANDARDS. Part 171 Hazardous Substances Part 172, Hazardous Materials; Final Rule and Part 173, Shippers - General Requirements for Subpart M Shipments and Packaging.
- D. APPLICABLE STATE ORDINANCES AND CODES.
- E. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) STANDARDS. Z9.2-1979 Fundamentals Governing the Design and Operation of Local Exhaust Systems

- F. NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH (NIOSH) PUBLICATION. Manual of Analytical Methods, 3rd Ed., Vol. 1 and 2
- G. UNDERWRITERS LABORATORIES INC. (UL) PUBLICATION. 586-77 (R-1982) Test Performance of High Efficiency Particulate Air Filter Units

1.3 SUBMITTALS:

The Contractor shall submit data on the following items specified herein **prior** to start of work regardless of the nature of the work. Work will not start until the Owner or Owners Representative has received submittals for approval. No monetary compensation will be allowed for down time resulting from noncompliance with this Section.

- A. State and Local Notifications, Responses
Business Entity Licenses and Certificates
Construction Schedule, Plan of Action, and Removal Plan
Worker Certificates, License, Medical Examination, Fit Tests, and Acknowledgments
Contingency Plan, Emergency Plans, and Emergency Numbers

- B. CERTIFICATIONS AND LICENSE:

The Contractor shall be responsible in obtaining the license of the business entity and certifications of all personnel in accordance with the State regulations regarding the asbestos removal, handling, and disposal. The Owner requires all businesses and personnel be licensed and certified regardless of whether these items are required by the Federal, State or City regulatory agencies.

- 1. All notifications shall contain the following information and the above mentioned offices shall be supplied with that information:
 - a. Name and address of the Contractor
 - b. Name and address of the facility, Owner or operator at which the activities will be carried out.
 - c. Description of the facility being demolished or renovated, including the size, age, and prior use of the facility.
 - d. Location of the facility being demolished or renovated.
 - e. Description of the project, including the amount of asbestos (in surface square feet and/or linear feet) to be removed.
 - f. Scheduled starting and completion dates of the demolition.
 - g. A general plan view of the areas where asbestos projects will be conducted, including the work area boundaries, location within the work area from which the asbestos is to be removed, proposed locations and capacities of HEPA equipped ventilating fans or HEPA vacuums and proposed

locations of decontamination facilities and any special enclosed passageways if necessary.

- h. Nature of the planned demolition methods to be used, including the work practices to be followed, containment, clean-up procedures, air monitoring, and worker protection measures that are proposed.
- i. Name and address of the disposal site where the asbestos waste material will be deposited.
- j. A listing of the employees that will be involved in the project or operation and information concerning whether or not they have been certified and trained in accordance with OSHA Standard 29 CFR 1926.1101 and applicable State Regulations.

C. ASBESTOS REMOVAL AND DISPOSAL PLAN.

The Owner may retain and utilize the services of third party to serve as the Project Administrator or "Owner Representative" to oversee enforcement of a written Asbestos Removal and Disposal Plan to be followed during the removal and disposal of asbestos-containing materials in this project.

D. PROOF OF LICENSE AND CERTIFICATION.

The Contractor shall submit proof to the Owner or Owners Representative that they are licensed in the appropriate state prior to the start of the asbestos abatement project. The Contractor shall also submit proof that each employee who will be involved in this project is certified in the appropriate state in accordance with the above regulations and that proof of their certificates are submitted prior to the start of the project.

E. PROOF OF EMPLOYEE TRAINING AND MEDICAL EXAMINATION.

Prior to the start of the asbestos abatement project, the Contractor shall submit proof to the Owner or Owners Representative that:

- 1. Employees and the Competent Person have been trained in accordance with the appropriate state regulations and as defined in all other applicable regulations.
- 2. The Competent Person, as defined in 29 CFR 1926.1101, will be continuously on-site during the asbestos abatement project.
- 3. The employees and the Competent Person have completed all medical examinations as required by the applicable regulations.

F. TEST RESULTS. All Test Results will be made available to the Owner.

- 1. AIR SAMPLING AND ANALYSIS. All air monitoring and analysis, other than OSHA required sampling, shall be performed by

a third party at the Owner expense. All costs associated with OSHA personnel air monitoring requirements shall be borne by the Contractor.

2. AIR MONITORING RESULTS. Shall be reported within 24 hours after the completion of a sampling period with written results to be submitted within 5 working days. Test results shall indicate each sample's pump serial number, 8-hour time weighted average (TWA) fiber count, pump start time, pump stop time, date, pump flow rate, and exact location of where the sample was taken.
3. AIR MONITORING REQUIREMENTS. Fiber counts shall be calculated for an 8-hour time weighted average (TWA) only for personal air monitoring not for area samples. The Contractor shall maintain results of air monitoring for 30 years in accordance with OSHA Standard 29 CFR 1926.1101. Test results shall include the names and signatures of the person(s) performing the air monitoring and the analyst who conducted the sample analysis.
4. TEMPORARY PRESSURE DIFFERENTIAL AND AIR CIRCULATION IN ASBESTOS ENCLOSURES. Check to see that negative pressure is being maintained at the start of each day of operation. Pressure Differential shall be continuously monitored and recorded throughout the duration of the asbestos abatement project. Monitoring records shall be signed by the Project Supervisor and submitted to Owner or Owners Representative at the beginning of the next working day in which the monitoring was conducted. The Contractor shall hold harmless the Owner or Owners Representative for any patent infringements and damages resulting from the Contractors use of the Negative Pressure System.
5. PROOF OF DISPOSAL. Prior to the start of the asbestos abatement project, the Contractor shall submit a copy of the written notification that was sent to the disposal site operator/Owner of the intent to dispose of the asbestos-containing materials including the estimated quantity and the tentative date for disposal to the Owner or Owners Representative. Upon completion of the asbestos abatement project, the Contractor shall submit proof to the Owner or Owners Representative that all of the asbestos-containing materials have been disposed of in accordance with all applicable regulations. This will include acknowledgment from the disposal site operator/Owner in writing that the waste has been delivered in a manner and condition acceptable to the disposal site Operator/Owner.
6. PROJECT CLOSEOUT. At the completion of all site work the Contractor shall submit all pertinent documents pertaining to the project. Submittal's should include, but not be limited to if applicable, the following items: project notification and amended notifications, contractor submittals, supervisor logs, containment

entry logs, change orders, notice of substantial completion and final project documentation, current asbestos worker certificates, asbestos worker release forms, asbestos contractor project job diary, and asbestos disposal receipts.