Removal of Boiler, Asbestos
Containing Materials (ACM),
and Asbestos Contamination
from the Boiler Room

Haverhill Stadium
17 Lincoln Street
Haverhill, Massachusetts

Project #H-0708-H

HUB TESTING LABORATORY, INC.

Environmental Testing Service

95 Beaver Street - Waltham, MA 02453
(781) 893-8330 (781) 893-4414 (fax)

HAVERHILL STADIUM, HAVERILL, MA 01830

NOTICE TO BIDDERS

Scope of Work: The Contractor shall furnish all labor, equipment, materials, and accessories necessary for removing the boiler, asbestos containing materials (ACM), and Asbestos contamination at the Haverhill Stadium 17 Lincoln St Haverhill, MA in accordance with the requirements of the Commonwealth of Massachusetts and all Federal Regulations.

Bid Pick-up: The bid package will be provided by Hub Testing Laboratory, Inc., 95 Beaver Street, Waltham, MA at the walk-through, at Haverhill Stadium on Monday July 7, 2008 at 11:00 AM or by mail. There is a $25.00 fee for specifications

Pre-bid Inspection: A Pre-bid Inspection will originate at 11:00 AM Monday July 7, 2008 at the Haverhill Stadium, Haverhill, MA

Bid Due Date: Bids are for the Removal of a Boiler, Asbestos Containing Material, and Asbestos Contamination in the boiler room. The contractor's bid price includes the cost for removal of all asbestos containing materials specified in this project. Bids will be due on Wednesday, July 16, 2008 at 3:00 p.m. at Hub Testing Laboratory. The three page FORM FOR GENERAL BID may be faxed to 781-893-4414 to arrive before that time.

Certification: The Contractor must be licensed and certified in the State of Massachusetts as an Asbestos Abatement Contractor in accordance with 453 CMR 6.00 and must provide supporting documentation.

Representative: The City of Haverhill has designated Hub Testing Laboratory, Inc. of 95 Beaver Street, Waltham, MA 02453, as Owners Representative. As the Owner's Representative, Hub Testing Laboratory, Inc.; Tel: (781) 893-8330, Fax: (781) 893-4414 has the power to ascertain the progress of the project and to act for the owner in all phases of contract performance.

Wages: Prevailing wage rates are located within the bid document. Under regulation, which is effective as of May 7, 1993, every contractor and subcontractor on Approved School Projects must submit weekly payroll records as a condition of receiving payment for their work. 603 CMR 38.03(2)(k) states "Every contractor and subcontractor working under the terms of any contract for construction on an approved school project shall file weekly payroll records with the awarding authority in the form described in M.G.L. c.149's. 27B. The awarding authority shall withhold payment for any construction work performed on an approved school project for so long as the payroll records for the work performed are not filed with the awarding authority.

Bonds: A Bid Bond is not required for this project, however a 100% Performance Bond will be required prior to the start of any work.

Note: The asbestos removal work is performed as a "controlled" asbestos abatement and shall conform to all State and Federal regulations.

CITY OF HAVERHILL – SCHOOL DEPARTMENT

FORMAL BID

NAME OF BIDDER: _____

ADDRESS: _____

ZIP CODE: _____ TELEPHONE NO.: _____ FAX NO.: _____

BIDDERS FEDERAL or SOCIAL SECURITY IDENTIFICATION NO. _____

TO: CITY OF HAVERHILL – SCHOOL DEPARTMENT

1. The undersigned firm hereby proposes and agrees to furnish and deliver the material and/or services required by AHERA Regulations and the Commonwealth of Massachusetts Asbestos Abatement Specifications at the price set forth thereon.

2. The undersigned submits this bid for furnishing and delivering as shown. The Contractor declares that it's bid is made without collusion with any other person, firm or corporation making any other proposal or who otherwise would make a proposal, and agrees to furnish in strict accordance with the specifications which consist of this bid form and all attached documents and instructions.

3. BID SUBMITTAL - Bids are to be submitted by 3:00 p.m. on Wednesday, July 16, 2008. Bids may be submitted by mail or by faxing to: Hub Testing Laboratory, Inc. Waltham, MA, at (781) 893-4414, telephone number is (781) 893-8330.

4. CERTIFIED CHECK/BID BOND - No bid bond is required with this proposal.

5. REJECTION OF BIDS - The Awarding Authority reserves the right to reject any or all bids to waive any informalities and to negotiate contract terms with the successful bidder and the right to disregard all non-conforming, non-responsive or conditional bids. If the contract is to be awarded, it will be awarded to the lowest responsible and eligible bidder whose evaluation by Owner indicates to Owner that the award will be in the best interests of the project.

6. BOND - Any bidder awarded a contract will be required to furnish a bond executed by a surety company licensed to do business within the Commonwealth of Massachusetts. Such bond shall be in the amount of one hundred percent (100%) of the contract price and conditioned upon the faithful performance of such contract.

7. ASBESTOS ABATEMENT SPECIFICATIONS – AHERA Regulation 40CFR, EPA Asbestos NESHAP 40CFR and Massachusetts 453 CMR 6.00.

8. CONFORMANCE WITH FEDERAL, STATE, LOCAL LAWS - All deliveries shall conform in every respect with all applicable laws of the Federal Government, the Commonwealth of Massachusetts and/or the Public Schools of Northborough & Southborough.

9. DISCRIMINATION - The Contractor in the performance of all work after award and prior to completion of the contract work will not discriminate on grounds of race, color, religion, national origin, age or sex in employment practices or in the selection retention of subcontractors, and in the procurement of materials and rental of equipment. The Owner may cancel, terminate or suspend the contract in whole or in part for any violation of this paragraph.

10. TAXES - Purchases made by the School District are exempt from the payment of Federal and State taxes and any such taxes must not be included in bid prices. Tax exemption certificate, if required, will be furnished upon request.

11. PATENTS - Whenever the Contractor desires to use any design, device, material, method of operation, or process covered by letters patent or copyright, the entire cost thereof, including royalties, will be paid by the Contractor. The Contractor shall be responsible for any liability on the part of the Owner or Industrial Hygiene Consultant, which may result from violations by the Contractor.

PRICE PROPOSAL

The City of Haverhill may select the individual bid that is most advantageous, which may result in one or no contractors being selected to perform the work.

BOILER ROOM, HAVERHILL STADIUM, HAVERHILL, MA 01830

Removal of Boiler, Asbestos Containing Materials (ACM), and Asbestos Contamination in the Boiler Room

The work shall be performed according with the specification for an all inclusive Lump Sum Amount of:

_____ $_____

Written in Words

THE CONTRACTOR STATES THAT HE HAS EXAMINED THE ABOVE NOTED ITEMS AND HAS SATISFIED HIMSELF AS TO CONDITIONS AND DIMENSIONS AND CAN SUPPLY ALL LABOR, MATERIALS AND OTHER NECESSARY TO COMPLETE THE WORK.

CONTRACTOR'S NAME: _____

ADDRESS: _____

_____

TELEPHONE NUMBER: _____ FAX: _____

SIGNATURE: _____

NAME AND TITLE OF SIGNER: _____

DATE: _____

SECTION 01569

ASBESTOS ABATEMENT

PART 1 - GENERAL

1.01 SUMMARY OF THE WORK

This data is provided for informational purposes only, and is based on the best information available at the time of specification preparation. The Contract Bidder is responsible for field verifying and to become familiar with existing conditions, quantities, dimensions and all other pertinent information for this project. Failure to do so will not be considered as justification for extra charges or change orders at a later date.

1.01.1 CONTRACT DOCUMENTS AND RELATED REQUIREMENTS

General provisions of contract, including general and supplementary conditions and specifications, apply to the work of this section. The contract documents show the work of the contract and related requirements and conditions impacting the project. Related requirements and conditions include applicable codes and regulations, notices and permits. Whenever there is a conflict or overlap of the above references, the more stringent provisions apply. In the event the Asbestos Abatement Contractor discovers an ambiguity or conflict in or between the contract documents and related requirements and codes, that issue must be immediately brought to the attention of the Project Monitor for resolution. Any action taken without obtaining such guidance from the Project Monitor shall be the sole risk and responsibility of the Abatement Contractor.

PART 1 – PROJECT

1.1.0 CONDITIONS

The boiler room is approximately 12' x 16' and houses a boiler, un-insulated tank, water heater and some pipes. the boiler is approximately 8' long x 4' wide x 5' high and has approximately 10 sections. There is an additional 14' of 4" OD pipe insulation and 28' of 8" OD pipe insulation; approximately. The entire boiler room must be cleaned and all asbestos insulation removed including dismantling and removal of the boiler itself.

All waste material within the boiler room should be treated as ACM debris. There is a lot of speedy dri on the floor due to an oil leak.

The first requirement is for the contractor to set-up the negative air system so that it is running and operational during preparation work. The contractor's personnel is required to a wear respirator and disposable clothing during the preparation phase as well as during removal.

The owner will provide water and power available on site, and one trailer can be dropped on site if desired by the contractor.

Sections of the boiler can either be cleaned and removed from the containment or cleaned and left in the containment until the area passes final visual then they can be removed as part of the project. If they are left inside containment the contractor will need to be able to move them so they can be examined for final visual inspection.

The work is required to be completed by the third week in August

1.1.1 SUMMARY OF WORK

A. Contractor shall provide service, labor, materials, equipment, insurance and supervision for the proper removal of the boiler and asbestos containing material in the boiler room and decontamination of the work area (boiler room) in the Stadium.

1. All work shall be performed in accordance with all OSHA, EPA, DEP, NESHAP, NIOSH, DLWD and any local regulations governing the removal of asbestos containing materials.

2. The Contractor is responsible for protection of any non-ACM materials and coverings within the work area from contamination unless designated otherwise for removal and disposal.

3. It is the contractors responsibility to fully clean all surfaces in each and every part of the work area and then apply an encapsulant as a "lock down" agent to all abated surfaces.

B. This Contract is being performed as a major abatement project. All work shall be performed in close coordination with the Town Representative and the School Department.

C. All Asbestos Abatement work must be notified to Regulatory Agencies and scheduled well in advance of the start up date. Delays by the Asbestos Abatement Contractor will have significant impact on the school schedule.

1.1.2 EXTENT OF WORK

It is the intent of this project and specification to remove the entire asbestos containing

Boiler, Asbestos Containing Material (ACM) and contaminated materials in the Boiler Room and associated materials, and properly dispose of the materials as asbestos waste.

The utilities shall be disconnected by others and the Asbestos Removal Contractor shall be responsible for complete removal of the boiler and all other asbestos containing materials and contamination.

1.1.3 SUMMARY OF TASKS

A. This section covers the furnishing of all labor, materials, facilities, equipment services, employee training and testing, permits and agreements necessary to perform the work required for asbestos removal in accordance with these specifications, EPA, OSHA, and any other applicable federal, state and local government regulations. Whenever there is a conflict or overlap of the above references the most stringent provisions are applicable.

B. Description of Work:
Perform the work and provide the services as follows:

1. Pre-abatement inspection.
2. Work area preparation.
3. Trained workers with respiratory protection and medical examination.
4. Packing material, packaging, labeling, transporting and disposal of contaminated material, including waste shipment record.
5. Decontamination of work area for final inspection and testing.
6. Provide access, support and protection to all authorized visitors and inspectors.

1.1.4 AUTHORITY TO STOP WORK

The Owner and/or Owner Retained Industrial Hygienist (I.H.) has the authority to stop the abatement work whenever the work conditions are considered a Safety Hazard or at any time the I.H. determines either personally or through the Owner's Representative that conditions are not within the specifications and applicable regulations. The stoppage of work shall continue until conditions have been corrected and steps have been taken to the satisfaction of the Owner. Standby time required to resolve violations shall be at the Asbestos Contractor's expense.

1.1.5 NOTIFICATIONS, PERMITS, WARNING SIGNS, LABELS AND POSTERS

A. Secure all the permits required for the work, including disposal of asbestos in an approved landfill prior to the start of work.

B. Notification:

1. Provide written notification to the EPA at least 10 days in advance of the work start date.

2. Provide Massachusetts DEP and Department of Labor & Workforce Development written notification at least 10 days in advance to the start of work.

C. Warning Signs: Post the required signage around the workplace and at every point of potential entry from outside, showing the standard wording from OSHA 1926.58. Warning signs shall be bright color so they will be easily noticeable. The size of the sign and the size of the lettering shall be no less than the OSHA 1926.58 and 1910.145 requirements.

D. Labels: Provide the required OSHA, EPA and DOT labels for all plastic bags and all drums utilized to transport contaminated material to the landfill.

E. At the job site provide any other signs, labels, warnings and posted instructions that are necessary to protect, inform and warn people of the hazard from asbestos exposure. Signs shall be in the appropriate languages in response to the ethnic background of the local population. Post in a prominent and convenient place for the worker a copy of the latest applicable regulations from OSHA and EPA, and State regulations including OSHA 29 CFR 1926.1101, 1910.1001 and 40 CFR l, Subpart M.

1.1.6 CONTRACTOR RESPONSIBILITY

The Asbestos Abatement Contractor shall assume full responsibility and liability for the compliance with all applicable Federal, State, and local regulations pertaining to work practices, hauling and disposal of ACM and ACE, and protection of workers, visitors to the site, and persons occupying areas adjacent to the site. Contractor is responsible for providing medical examination and maintaining medical records of personnel as required by the applicable Federal, State, and local regulations. Contractor shall hold the Owner, or Monitor consultants harmless for failure to comply with any applicable work, hauling, disposal, safety, health or other on the part of himself, his employees, or his subcontractors. Contractor incurs all costs of the sampling/analytical to comply with OSHA regulation.

Abatement Contractor shall determine the applicability of any process patents he/she may be employing and be responsible for paying any fees, royalties or licenses that may be required for the use of such patented processes.

1.1.7 NOTICES

A. State and Local Agencies: Send written notification as required by state and local regulations including local fire department prior to beginning any work on asbestos-containing materials.

1. The Contractor shall send written notification as required by USEPA National Emission Standards for Hazardous Air Pollutants (NESHAPs) Asbestos Regulations (40CFR 61, Subpart M) to the regional asbestos NESHAPs Contact at least 10 days prior to beginning work on asbestos-containing materials.

2. State and Local Agencies: Send written notification as required by state and local regulations prior to beginning any work on asbestos-containing materials as follows: Commonwealth of Massachusetts - Department of Labor & Workforce Development/Division Of Occupational Safety and Department of Environmental Protection.

B. Copies of notifications shall be submitted to the Project Monitor for the projects records in the same time frame notification is given to EPA, state, and local authorities.

PART 2 - PREPARATION

2.01 PRE-ASBESTOS ABATEMENT PREPARATIONS

A. Prior to any abatement work in the area:

1. Seal off the entire area to any one other than trained personnel and authorized visitors.

2. Erect signs around the area in accordance with EPA, OSHA and this specification. Unauthorized entry during abatement process shall be provided by twenty four-hour security. Maintain a log of all people entering and exiting the work place.

B. Isolation of the work area:

1. Seal all walls with two layers of four-mil plastic sheet and the floor with two layers of six-mil plastic sheet.

2. If containment is to be free standing it must be constructed in 16" modules supported by 2"x4" wood columns.

3. Seal off all duct openings, doors, windows, fan coil units.

2.02 NEGATIVE AIR MACHINES (HEPA UNITS)

Follow, EPA 560/5-85-024, Guidance for Controlling Asbestos-Containing Materials in Buildings.

2.02.1 PRESSURE DIFFERENTIAL

Provide a fully operational negative air system within the work area continuously maintaining a pressure differential across work area enclosures of -0.02 inches of water. Demonstrate to the Monitor the pressure differential by use of a pressure differential meter or a manometer, before disturbance of any asbestos containing materials. This pressure differential will be used for either negative air system or pressure differential system.

2.02.2 MONITORING

Continuously Monitor and record the pressure differential between the work area and the building outside of the work area with a Monitoring device incorporating a strip chart recorder. Make the strip chart record part of the project log.

2.02.3 SUPPLEMENTAL MAKE-UP AIR INLETS

Provide airflow through the workspace in location approved by the Monitor by making openings in the plastic sheeting to allow air from outside the building into the work area. Locate auxiliary make-up air inlets as far as possible from the exhaust unit (e.g., on an opposite wall), off the floor (preferably near the ceiling), and away from barriers that separate the work area from occupied clean areas. Cover with flaps to reseal automatically if the negative pressure system should shut down for any reason. Spray flap and around opening with spray adhesive so that flap seals if it closes.

2.02.4 TESTING THE SYSTEM

Test negative pressure system before any ACM is wetted or removed. After the work area has been prepared, the decontamination facility set up, and the exhaust unit(s) installed, start the unit(s) (one at a time). Demonstrate operation and testing of negative pressure system and the containment to the Monitor.

2.02.5 USE OF SYSTEM DURING ABATEMENT OPERATIONS

A. Start exhaust units before beginning work (before any ACM is disturbed). After abatement work has begun, run units continually to maintain a constant negative pressure until decontamination of the work area is complete. Do not turn off units at the end of the work shift or when abatement operations temporarily stop.

B. Do not shut down negative air system during abatement operations procedures, unless authorized by the Monitor in writing.

C. Start abatement work at a location farthest from the exhaust units and proceed toward them. If an electric power failure occurs, immediately stop all removal work and do not resume until power is restored and all exhaust units are operating again.

D. At completion of abatement work, allow exhaust units to run as specified under this section, to remove airborne fibers that may have been generated during abatement work and cleanup and to purge the work area with clean make-up air. Units may be required to run after decontamination, if dry or only partially wetted asbestos material was encountered during any abatement work.

2.02.6 DISMANTLING THE SYSTEM

When a final inspection and the results of the final air tests indicate that the area has been decontaminated, exhaust units may be removed from the work area. Before removal from the work area, properly remove and dispose of pre-filters, and seal intake while machine is running with 6 mil. Polyethylene bag to prevent environmental contamination from the negative air machine.

2.03 CONTAINMENT BARRIERS AND COVERINGS OF WORK AREA

2.03.1 GENERAL

Seal off perimeter of work area to completely isolate abatement areas and to contain all airborne asbestos contamination created by abatement work. Cover all surfaces of the work area to protect them from cross contamination, to facilitate more efficient clean-up, and to protect the finishes from the asbestos abatement work. Should the area beyond the seal off limits become contaminated as a consequence of the work, clean those areas in accordance with procedures described in this section at no additional cost to the Owner. Provide fire-stopping and identify all fire barrier penetrations due to abatement work as directed by the Industrial Hygienist.

2.03.2 PREPARATION PRIOR TO SEALING OFF

Place all tools, scaffolding, staging, etc. necessary for the work in the area to be isolated prior to erection of temporary plastic sheeting enclosure. Remove all uncontaminated removable furniture, equipment, and/or supplies from the work area before commencing work, or completely cover with two layers of polyethylene sheeting, at least 6 mil. in thickness, securely taped in place with duct tape. Such furniture and equipment shall be considered outside the work area unless covering plastic or seal is broached. Disable ventilating systems or any other system bringing air into or out of the work area. Disable

system utilizing positive means that will prevent accidental premature restarting of equipment, i.e., disconnecting wires, removing circuit breakers, lockable switch.

2.03.3 CONTROL ACCESS TO WORK AREA

Permit access to the work area only through the personnel decontamination facilities (PDF). All other means of access shall be closed off and sealed and warning signs displayed on the clean side of the sealed access. Where the work area is immediately adjacent to or within view of occupied areas, provide a visual barrier of opaque polyethylene sheeting at least 6 mil. in thickness so that the work procedures are not visible to building occupants. Where the area adjacent to the work area is accessible to the public, construct a sturdy barrier on the public side of the sheeting to withstand the negative pressure as specified.
Construct barrier with nominal 2X4 wood stud's 16" on center, securely anchored to prevent movement, signs at each visual and physical barrier per OSHA requirements. Alternate method of containing the work area or different definition of the limits of seal-off from the one described may be submitted to the Monitor Contractor for approval in accordance with this section. Do not proceed with any such alternative without prior written approval by the Monitor. Post asbestos Warning Signs.

2.03.4 CRITICAL BARRIERS

Completely separate the work area from other portion of the building, and the outside by sheet plastic barriers at least 6 mil. in thickness, or by sealing with duct tape. Individually seal all ventilation openings (supply and exhaust), lighting fixtures, clocks, doorways, windows, connectors and speakers and other openings into the work area with duct tape alone or with flame-resistant polyethylene sheeting at least 6 mil. in thickness, taped securely in place with duct tape. Maintain seal until all work including project decontamination is completed. Take care in sealing off lighting fixtures to avoid melting or burning of sheeting. Provide sheet plastic barriers at least 6 mil. in thickness as required to completely seal openings from the work area into adjacent areas. Seal the perimeter of all sheet plastic barriers with duct tape or spray cement.

2.03.5 PRIMARY BARRIERS

A. Clean all contaminated equipment and supplies with HEPA vacuum cleaner or wet cleaning, as specified in this Section, prior to being moved or covered. Clean all surfaces in work area with HEPA vacuum or by wet wiping prior to the installation of any sheet plastic.

B. Enclose work areas with two layers of 4 mil. plastic sheeting on walls, or as otherwise directed on the contract drawings or in writing by the Monitor. Cover floor of work area with 2 individual layers of polyethylene sheeting, each at least 6 mil. in thickness, turned up walls at least 12 inches to form a sharp right angle bend

at junction of floor and wall so that there is no radius which could be stepped on causing the wall attachment to be pulled loose. Both spray-glue and duct tape all seams in floor covering. Locate seams in top layer six feet from, or at right angles to, seams in bottom layer. Install sheeting so that top layer can be removed independently of bottom layer. Remove all electrical and mechanical items, such as lighting fixtures, clocks, diffusers, registers, escutcheon plates, etc., which cover any part of the surface to be worked on with the work. Cover all walls in work area including critical sheet plastic barriers with two layers of polyethylene sheeting, at least 6 mil. in thickness, mechanically supported and sealed with duct tape or spray-glue in the same manner as "Critical Barrier" sheet plastic barriers. Tape all joints including the joining with the floor covering with duct tape or as otherwise indicated on the contract documents.

2.03.6 SECONDARY BARRIERS

Secondary layer of plastic as a drop cloth to protect the primary layer from debris generated by the asbestos abatement work is specified elsewhere in this section.

2.03.7 EXTENSION OF WORK AREA

If the enclosure barrier is breached in any manner that could allow the passage of asbestos debris or airborne fibers, then where possible, add affected area to the work area. Enclose it as required by this Section of the specification and decontaminate it as described elsewhere in this section. If contaminated area cannot be added to work area, decontamination measures shall start immediately after contamination is discovered and work will stop in work area. Decontamination procedures will continue until exposure returns to background levels.

2.04 ASBESTOS REMOVAL

A. Method of Removal - Major Abatement

1. Post Asbestos Warning Signs in all areas of removal.

2. Construct plastic enclosures according to Asbestos Abatement Specifications and 453 CMR 6.14. Designate emergency exits.

3. Set up removal zones, under 0.02 inches of water negative pressure.

The removal zone should consist of:

a. equipment area
b. showers
c. airlocks
d. clean room

e. See Part 3 – Execution: 3.1, 3.2, 3.3 and 3.4 of the Asbestos Abatement Specifications

4. Cover all electrical panels, Junction boxes, Fire alarm equipment, controls, etc. in removal area. Cover and seal with plastic and tape.

5. Remove all moveable items from area. Cover all non-moveable items and equipment with plastic sheeting taped securely for seal.

6. Barrier all windows, doors, pipe sleeves, access panels, etc. not being used for entry and exit. Attach asbestos warning signs. Use plywood or equivalent, as necessary to meet critical barrier requirements.

7. After all preparations have been made, approval for removal will be given by the Owner obtained Industrial Hygienist/IH firm. Approval is required prior to the commencement of work within the work area containment.

8. The boiler may require dismantling to remove all asbestos

9. The Contractor shall remove asbestos completely using appropriate tools, i.e., nylon brushes, scrapers, as necessary so that no visible residue remains. Complete removal by wiping down with amended water. All asbestos is to be kept sufficiently wetted with amended water throughout the removal process; no dry removal is permitted.

10. Encapsulant is to be applied to all cleaned pipe surfaces following the removal of asbestos.

11. Bag material, pack and seal for disposal according to Specifications. Bagged materials must be sufficiently wetted.

12. See sections 2.05 and 2.06 of the Asbestos Removal Specification for clean-up procedures and final clearance monitoring.

13. After approval from the Owner obtained Industrial Hygienist/IH firm remove plastic, barricades, equipment, showers, etc.

2.05 REMOVAL PRACTICES

A. After the removal and/or encapsulation and/or enclosure of asbestos has been completed and before removal of barriers, area shall be thoroughly wet cleaned and/or vacuumed with HEPA filtered vacuum.

B. Waste containers shall be packed, cleaned, labeled and removed from the work

area prior to final clean up and monitoring.

C. All equipment not used in final cleanup and monitoring shall be decontaminated and removed prior to final cleanup and monitoring.

D. After first cleanup, IH shall visually examine work area for gross contamination. A second wet cleaning and/or HEPA vacuuming shall be performed. If no visible contamination is observed, the Contractor shall proceed with misting and/or encapsulation steps.

1. Misting - Lightly mist air with amended water to precipitate airborne fibers.

2. Allow five to six hours before next step to allow fibers to settle and for the work area to dry.

3. Fine cleaning must take place after misting and/or encapsulating procedures.

4. Inner layer of plastic is taken down and disposed of as asbestos waste when air monitoring results as determined by NIOSH 7400 Method indicate level is less than 0.01 f/cc.

5. The clean level test (final test) shall be a high volume (2880 liters). The clean level shall be less than 70 structures per millimeter squared (MM 2).

   A. In accordance with AHERA transmission electron microscopy (TEM) sampling and analysis shall be employed for air clearance in order for the areas to conform to regulations.

   B. All sampling shall be performed using aggressive methods.

   C. Analytical results will require 48-hour turn around time.

6. At the discretion of the Owner-retained I.H., wipe samples may be collected for analysis by Polarized Light Microscopy if the presence of asbestos fibers on various surfaces is suspected.

   A complete absence of asbestos fibers must be reported in these samples.

7. Following the successful inspection and final testing as specified herein, all plastic barriers, tapes, and disposable contaminated equipment shall also be disposed of as contaminated waste. All reusable contaminated equipment shall be thoroughly decontaminated through wet cleaning.

2.06 LOCK-BACK INCAPSULATION

2.07 GENERAL

Lock-back encapsulant is an integral part of ACM removal. At the conclusion of ACM removal and before removal of the primary barriers as specified elsewhere in this section, all surfaces shall be encapsulated with a lock-back encapsulant. The extent of work for lock-back encapsulation is described elsewhere in this section.

2.08 DELIVERY AND STORAGE

Deliver materials to the job site in original, new and unopened packages and containers bearing manufacturer's name and label, and following information: Name or title of material, manufacturer's stock number, and date of manufacture, manufacturer's name, thinning instructions, application instruction. Deliver materials together with a copy of the OSHA Material Safety Data Sheet for the material.

2.09 MONITORING, TESTING AND INSPECTION:

The performance and execution of the work shall be closely and continuously monitored by the Owner retained Industrial Hygienist (IH) Consultant and their technicians.

2.10 FINAL INSPECTION AND TESTING

A. After thorough cleaning and/or encapsulation, the Contractor shall determine that the work space is ready for final testing and notify the Monitor.

B. The final testing shall take place under active agitation of the air in the work space with air filtration units (HEPA) and fans running.

C. If the in-side air clearance samples fail the entire boiler room shall be cleaned and the TEM air samples shall be rerun until clearance is obtained. Additional sampling after the first set shall be at the expense of the Contractor.

D. Each set of analysis shall require 48-hour turn around time after sampling.

PART 3 - EXECUTION

3.1 REMOVAL OF ACM

3.1.1 WETTING MATERIALS

A. Adequately wet and remove all ACM as follows:

1. Spray wetting agent on ACM. Perforate outer covering of any ACM which has been painted and/or jacketed in order to allow penetration of amended water or wetting agent, or where necessary, carefully strip away while simultaneously spraying wetting agent on the ACM to minimize dispersal of asbestos fibers into the air.

2. After wetting, seal all ACM waste in leak-tight containers while wet. For waste material not fitting into containers without additional breaking, put material into leak-tight wrapping.

3. Label containers and wrapped material using warning labels as specified by OSHA 29 CFR 1910.1001 or 1926.1101.

4. For ACM being transported off the facility site, label ACM waste containers and wrapped material with the name of the waste generator and the location where the waste was generated as per NESHAPS.

3.2 DISPOSAL OF ACM AND ACE WASTE MATERIAL

3.2.1 GENERAL

Dispose friable ACM and debris, which is packaged in accordance with these specifications at the approved landfill. Dispose of non-friable ACM in accordance with the applicable regulations. Ensure ACM transport vehicles are properly marked per NESHAPs requirements. Location for a waste trailer or dumpster shall be coordinated with and approved by the Monitor.

3.2.2 PROCEDURES

Carefully load containerized (double bagged) waste on sealed trucks for transport. The truck or dumpster shall be lined with poly before loading with waste bags. Ensure that unauthorized persons do not have access to the material outside of the work area. Take bags from the work area directly through the EDF process to a sealed truck. Double-bagged material may be transported in open trucks only if they are first loaded in sealed drums. Label drums with same warning labels as bags. Dispose drums as contaminated, do not attempt to empty them for reuse.

3.3 PROJECT DECONTAMINATION

3.3.1 GENERAL

A. The entire work of project decontamination shall be performed under the close supervision and monitoring of the Monitor.

B. As the asbestos abatement work is in an area, which was contaminated prior to the start of abatement; the work of decontamination is a four-step procedure; two cleanings of the primary barrier plastic prior to its removal and two cleanings of the room surfaces after the primary barrier removal.

C. If the asbestos abatement work is in a space that is uncontaminated before start of the work, the decontamination procedure is a two step procedure; two cleanings of the primary barrier plastic to remove contamination, thus preventing contamination of the building when the work area isolation barriers are removed.

3.3.2 WORK AREA CLEARANCE

Air testing and other requirements which must be met before release of sub-contractor and re-occupancy of the work area are specified elsewhere in this Section.

3.3.3 FIRST CLEANING

Carry out a first cleaning of all surfaces of the work area including items of remaining sheeting, tools, scaffolding and/or staging by use of damp-cleaning and mopping, and/or a HEPA filtered vacuum. Do not perform dry dusting or dry sweeping. Use each surface of a cleaning cloth one time only and then dispose of as contaminated waste. Recyclable cleaning cloths shall be disposed in appropriately marked containers. Continue this cleaning until there is no visible debris from removed materials or residue on plastic sheeting or other surfaces. Remove all filters in air handling system(s) and dispose of as asbestos containing waste in accordance with requirements of these specifications. Maintain negative pressure system in operation for the entire 24-hour period.

3.3.4 PRE-CLEARANCE INSPECTION AND TESTING

The Monitor will perform a thorough and detailed visual inspection at the end of the first cleaning to determine whether there are any signs of visible ACM or dust in the work area. If the visual inspection is satisfactory the Monitor will notify the sub-contractor's supervisor to complete the cleaning process by following the steps for a "second cleaning".

Should a second cleaning be deemed by the Monitor to be necessary, continue as follows: Following the first visual inspection, perform a thorough cleaning of all surfaces of the work area in the same manner as the first cleaning. Immediately following the second cleaning, remove and containerize all poly sheeting which comprises the primary barriers, leaving only the following barrier and facilities.

3.4 FINAL INSPECTION

Final inspection will include the entire work area, the personnel decontamination facilities, all plastic sheeting, seals over ventilation openings, doorways, windows and other openings. If any debris, residue on surfaces, dust or other matter is shall be detected. Dust samples may be collected and analyzed at the discretion of the Monitor to confirm visual finding. When the area is visually clean the final testing will commence.

3.4.1 LOCK-BACK ENCAPSULATION OF WORK SURFACES

With the express permission of the Monitor, perform a lock-back encapsulation of all surfaces from which ACM was removed. Execute in accordance with provisions specified elsewhere and performance requirements as specified of this specification. Maintain negative pressure in work area during encapsulation work.

3.4.2 FINAL TESTING

After a satisfactory final visual inspection the Monitor will undertake the final testing. Air samples will be taken and analyzed in accordance with the procedures for TEM as specified.

3.4.3 LABORATORY TESTING FOR TEM

Samples shall be sent to a qualified testing laboratory for analysis by TEM. Verbal results shall be available during the 2nd working day after receipt of samples by the laboratory.

*** E N D ***

THE COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF LABOR AND WORKFORCE DEVELOPMENT
DIVISION OF OCCUPATIONAL SAFETY

Prevailing Wage Rates

As determined by the Commissioner under the provisions of the Massachusetts General Laws, Chapter 149, Sections 26 to 27H

DEVAL L. PATRICK
Governor
TIMOTHY P. MURRAY
Lt. Governor

GEORGE NOEL
Director
LAURA M. MARLIN
Commissioner

Awarding Authority: CITY OF HAVERHILL
Contract Number: H0708H **City/Town:** HAVERHILL
Description Of Work: STADIUM BOILER ROOM ASBESTOS REMOVAL WORKS
Job Location: 17 LINCOLN

Classification	Effective Dates and Total Rates							
(2 AXLE) DRIVER - EQUIPMENT	6/1/2008	$41.130	8/1/2008	$41.630	12/1/2008	$42.330		
(3 AXLE) DRIVER - EQUIPMENT	6/1/2008	$41.200	8/1/2008	$41.700	12/1/2008	$42.400		
(4 & 5 AXLE) DRIVER - EQUIPMENT	6/1/2008	$41.320	8/1/2008	$41.820	12/1/2008	$42.520		
ADS/SUBMERSIBLE PILOT	8/1/2007	$98.260						
AIRTRACK OPERATOR	6/1/2008	$41.500	12/1/2008	$42.500	6/1/2009	$43.500	12/1/2009	$44.500
	6/1/2010	$45.500	12/1/2010	$46.750	6/1/2011	$47.750	12/1/2011	$49.000
ASBESTOS REMOVER - PIPE / MECH. EQUIPT.	12/1/2007	$34.400						
ASPHALT RAKER	6/1/2008	$41.000	12/1/2008	$42.000	6/1/2009	$43.000	12/1/2009	$44.000
	6/1/2010	$45.000	12/1/2010	$46.250	6/1/2011	$47.250	12/1/2011	$48.500
ASPHALT/CONCRETE/CRUSHER PLANT-ON SITE	6/1/2008	$55.410	12/1/2008	$56.390	6/1/2009	$57.500	12/1/2009	$58.620
	6/1/2010	$59.870	12/1/2010	$61.120				
BACKHOE/FRONT-END LOADER	6/1/2008	$55.410	12/1/2008	$56.390	6/1/2009	$57.500	12/1/2009	$58.620
	6/1/2010	$59.870	12/1/2010	$61.120				
BARCO-TYPE JUMPING TAMPER	6/1/2008	$41.000	12/1/2008	$42.000	6/1/2009	$43.000	12/1/2009	$44.000
	6/1/2010	$45.000	12/1/2010	$46.250	6/1/2011	$47.250	12/1/2011	$48.500
BLOCK PAVER, RAMMER / CURB SETTER	6/1/2008	$41.500	12/1/2008	$42.500	6/1/2009	$43.500	12/1/2009	$44.500
	6/1/2010	$45.500	12/1/2010	$46.750	6/1/2011	$47.750	12/1/2011	$49.000
BOILERMAKER	10/1/2007	$53.390	10/1/2008	$55.740				
BRICK/STONE/ARTIFICIAL MASONRY (INCL. MASONRY WATERPROOFING)	2/1/2008	$62.880	8/1/2008	$64.630	2/1/2009	$65.320	8/1/2009	$67.120
	2/1/2010	$68.010	8/1/2010	$69.910	2/1/2011	$70.900	8/1/2011	$73.000
	2/1/2012	$73.990						
BULLDOZER/GRADER/SCRAPER	6/1/2008	$55.110	12/1/2008	$56.070	6/1/2009	$57.180	12/1/2009	$58.280
	6/1/2010	$59.520	12/1/2010	$60.770				
CAISSON & UNDERPINNING BOTTOM MAN	5/31/2008	$44.300						
CAISSON & UNDERPINNING LABORER	5/31/2008	$43.350						
CAISSON & UNDERPINNING TOP MAN	5/31/2008	$43.350						
CARBIDE CORE DRILL OPERATOR	6/1/2008	$41.000	12/1/2008	$42.000	6/1/2009	$43.000	12/1/2009	$44.000
	6/1/2010	$45.000	12/1/2010	$46.250	6/1/2011	$47.250	12/1/2011	$48.500
CARPENTER	3/1/2008	$50.470	9/1/2008	$51.620	3/1/2009	$52.770		
CEMENT MASONRY/PLASTERING	2/1/2008	$61.780	7/1/2008	$62.010	8/1/2008	$63.360	1/1/2009	$63.580
	2/1/2009	$64.110	8/1/2009	$65.510	2/1/2010	$66.200	8/1/2010	$67.670
	2/1/2011	$68.440	8/1/2011	$70.060	2/1/2012	$70.830		
CHAIN SAW OPERATOR	6/1/2008	$41.000	12/1/2008	$42.000	6/1/2009	$43.000	12/1/2009	$44.000
	6/1/2010	$45.000	12/1/2010	$46.250	6/1/2011	$47.250	12/1/2011	$48.500
CLAM SHELLS/SLURRY BUCKETS/HEADING MACHINES	6/1/2008	$55.410	12/1/2008	$56.390	6/1/2009	$57.500	12/1/2009	$58.620
	6/1/2010	$59.870	12/1/2010	$61.120				
COMPRESSOR OPERATOR	6/1/2008	$45.620	12/1/2008	$46.340	6/1/2009	$47.160	12/1/2009	$47.980
	6/1/2010	$48.900	12/1/2010	$49.830				
DELEADER (BRIDGE)	1/1/2008	$58.910	7/1/2008	$60.060	1/1/2009	$61.210	7/1/2009	$62.360
	1/1/2010	$63.510						

This wage schedule must be posted at the work site in accordance with M.G.L. ch. 149, sec. 27

Failure of the employer to pay "prevailing wage rates," which are the minimum wage rates listed above, on public works projects is a violation of M.G.L. ch. 149, sec. 27B. Employees not receiving such rates should report the violation to the Office of Fair Labor and Business Practices, 100 Cambridge Street , Boston, MA 02108; Tel: 617-727-3465.

THE COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF LABOR AND WORKFORCE DEVELOPMENT
DIVISION OF OCCUPATIONAL SAFETY

Prevailing Wage Rates

As determined by the Commissioner under the provisions of the Massachusetts General Laws, Chapter 149, Sections 26 to 27H

DEVAL L. PATRICK
Governor
TIMOTHY P. MURRAY
Lt. Governor

GEORGE NOEL
Director
LAURA M. MARLIN
Commissioner

Awarding Authority: CITY OF HAVERHILL
Contract Number: H0708H **City/Town:** HAVERHILL
Description Of Work: STADIUM BOILER ROOM ASBESTOS REMOVAL WORKS
Job Location: 17 LINCOLN

Classification	Effective Dates and Total Rates							
DEMO: ADZEMAN	5/31/2008	$43.350						
DEMO: BACKHOE/LOADER/HAMMER OPERATOR	5/31/2008	$44.350						
DEMO: BURNERS	5/31/2008	$44.100						
DEMO: CONCRETE CUTTER/SAWYER	5/31/2008	$44.350						
DEMO: JACKHAMMER OPERATOR	5/31/2008	$44.100						
DEMO: WRECKING LABORER	5/31/2008	$43.350						
DIRECTIONAL DRILL MACHINE OPERATOR	6/1/2008	$55.110	12/1/2008	$56.070	6/1/2009	$57.180	12/1/2009	$58.280
	6/1/2010	$59.520	12/1/2010	$60.770				
DIVER	9/1/2007	$70.190						
DIVER TENDER	9/1/2007	$56.260						
DIVER TENDER (EFFLUENT)	9/1/2007	$73.670						
DIVER/SLURRY (EFFLUENT)	9/1/2007	$94.570						
ELECTRICIAN	3/1/2008	$61.570	9/1/2008	$62.800	3/1/2009	$64.040	9/1/2009	$65.280
	3/1/2010	$66.510	9/1/2010	$67.750	3/1/2011	$68.990		
ELEVATOR CONSTRUCTOR	1/1/2007	$58.730						
ELEVATOR CONSTRUCTOR HELPER	1/1/2007	$44.990						
FENCE & GUARD RAIL ERECTOR	6/1/2008	$41.000	12/1/2008	$42.000	6/1/2009	$43.000	12/1/2009	$44.000
	6/1/2010	$45.000	12/1/2010	$46.250	6/1/2011	$47.250	12/1/2011	$48.500
FIELD ENG. - INST. PERSON (BLDG, SITE, HVY CONST)	5/1/2008	$53.060						
FIELD ENG. - ROD PERSON (BLDG, SITE, HVY CONST)	5/1/2008	$39.320						
FIELD ENG.-CHIEF OF PARTY (BLDG, SITE, HVY CONST)	5/1/2008	$54.400						
FIRE ALARM INSTALLER	3/1/2008	$61.570	9/1/2008	$62.800	3/1/2009	$64.040	9/1/2009	$65.280
	3/1/2010	$66.510	9/1/2010	$67.750	3/1/2011	$68.990		
FIRE ALARM REPAIR / MAINTENANCE	3/1/2008	$50.070	9/1/2008	$51.000	3/1/2009	$51.920	9/1/2009	$52.860
	3/1/2010	$53.780	9/1/2010	$54.700	3/1/2011	$55.640		
FIREMAN (ASST. ENGINEER)	6/1/2008	$50.090	12/1/2008	$50.920	6/1/2009	$51.870	12/1/2009	$52.830
	6/1/2010	$53.900	12/1/2010	$54.980				
FLAGGER & SIGNALER	6/1/2008	$34.800	12/1/2008	$35.800	6/1/2009	$36.800	12/1/2009	$37.800
	6/1/2010	$38.800	12/1/2010	$40.050	6/1/2011	$41.050	12/1/2011	$42.300
FLOORCOVERER	3/1/2008	$56.080	9/1/2008	$57.250	3/1/2009	$58.420		
FORK LIFT/CHERRY PICKER	6/1/2008	$55.410	12/1/2008	$56.390	6/1/2009	$57.500	12/1/2009	$58.620
	6/1/2010	$59.870	12/1/2010	$61.120				
GENERATOR/LIGHTING PLANT/HEATERS	6/1/2008	$45.620	12/1/2008	$46.340	6/1/2009	$47.160	12/1/2009	$47.980
	6/1/2010	$48.900	12/1/2010	$49.830				
GLAZIER (GLASS PLANK/AIR BARRIER/INTERIOR SYSTEMS)	1/1/2008	$48.410	7/1/2008	$49.560	1/1/2009	$50.710	7/1/2009	$51.860
	1/1/2010	$53.010						
HOISTING ENGINEER/CRANES/GRADALLS	6/1/2008	$55.110	12/1/2008	$56.070	6/1/2009	$57.180	12/1/2009	$58.280
	6/1/2010	$59.520	12/1/2010	$60.770				

This wage schedule must be posted at the work site in accordance with M.G.L. ch. 149, sec. 27
Failure of the employer to pay "prevailing wage rates," which are the minimum wage rates listed above, on public works projects is a violation of M.G.L. ch. 149, sec. 27B. Employees not receiving such rates should report the violation to the Office of Fair Labor and Business Practices, 100 Cambridge Street , Boston, MA 02108; Tel: 617-727-3465.

THE COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF LABOR AND WORKFORCE DEVELOPMENT
DIVISION OF OCCUPATIONAL SAFETY

Prevailing Wage Rates

As determined by the Commissioner under the provisions of the Massachusetts General Laws, Chapter 149, Sections 26 to 27H

DEVAL L. PATRICK
Governor
TIMOTHY P. MURRAY
Lt. Governor

GEORGE NOEL
Director
LAURA M. MARLIN
Commissioner

Awarding Authority: CITY OF HAVERHILL
Contract Number: H0708H **City/Town:** HAVERHILL
Description Of Work: STADIUM BOILER ROOM ASBESTOS REMOVAL WORKS
Job Location: 17 LINCOLN

Classification	Effective Dates and Total Rates			
HVAC (DUCTWORK)	2/1/2008 $59.200	8/1/2008 $60.330	2/1/2009 $61.450	8/1/2009 $62.700
	2/1/2010 $63.950			
HVAC (ELECTRICAL CONTROLS)	3/1/2008 $61.570	9/1/2008 $62.800	3/1/2009 $64.040	9/1/2009 $65.280
	3/1/2010 $66.510	9/1/2010 $67.750	3/1/2011 $68.990	
HVAC (TESTING AND BALANCING - AIR)	2/1/2008 $59.200	8/1/2008 $60.330	2/1/2009 $61.450	8/1/2009 $62.700
	2/1/2010 $63.950			
HVAC (TESTING AND BALANCING -WATER)	3/1/2008 $55.200			
HVAC MECHANIC	3/1/2008 $55.200			
HYDRAULIC DRILLS	6/1/2008 $41.500	12/1/2008 $42.500	6/1/2009 $43.500	12/1/2009 $44.500
	6/1/2010 $45.500	12/1/2010 $46.750	6/1/2011 $47.750	12/1/2011 $49.000
INSULATOR (PIPES & TANKS)	9/1/2007 $54.660	9/1/2008 $56.860	9/1/2009 $59.260	9/1/2010 $61.660
IRONWORKER/WELDER	3/16/2008 $51.200			
JACKHAMMER & PAVING BREAKER OPERATOR	6/1/2008 $41.000	12/1/2008 $42.000	6/1/2009 $43.000	12/1/2009 $44.000
	6/1/2010 $45.000	12/1/2010 $46.250	6/1/2011 $47.250	12/1/2011 $48.500
LABORER	6/1/2008 $40.750	12/1/2008 $41.750	6/1/2009 $42.750	12/1/2009 $43.750
	6/1/2010 $44.750	12/1/2010 $46.000	6/1/2011 $47.000	12/1/2011 $48.250
LABORER: CARPENTER TENDER	6/1/2008 $40.750	12/1/2008 $41.750	6/1/2009 $42.750	12/1/2009 $43.750
	6/1/2010 $44.750	12/1/2010 $46.000	6/1/2011 $47.000	12/1/2011 $48.250
LABORER: CEMENT FINISHER TENDER	6/1/2008 $40.750	12/1/2008 $41.750	6/1/2009 $42.750	12/1/2009 $43.750
	6/1/2010 $44.750	12/1/2010 $46.000	6/1/2011 $47.000	12/1/2011 $48.250
LABORER: HAZARDOUS WASTE/ASBESTOS REMOVER	5/31/2008 $40.000			
LABORER: MASON TENDER	6/1/2008 $41.000	12/1/2008 $42.000	6/1/2009 $43.000	12/1/2009 $44.000
	6/1/2010 $45.000	12/1/2010 $46.250	6/1/2011 $47.250	12/1/2011 $48.500
LABORER: MULTI-TRADE TENDER	6/1/2008 $40.750	12/1/2008 $41.750	6/1/2009 $42.750	12/1/2009 $43.750
	6/1/2010 $44.750	12/1/2010 $46.000	6/1/2011 $47.000	12/1/2011 $48.250
LABORER: TREE REMOVER	6/1/2008 $40.750	12/1/2008 $41.750	6/1/2009 $42.750	12/1/2009 $43.750
	6/1/2010 $44.750	12/1/2010 $46.000	6/1/2011 $47.000	12/1/2011 $48.250
LASER BEAM OPERATOR	6/1/2008 $41.000	12/1/2008 $42.000	6/1/2009 $43.000	12/1/2009 $44.000
	6/1/2010 $45.000	12/1/2010 $46.250	6/1/2011 $47.250	12/1/2011 $48.500
MARBLE & TILE FINISHERS	2/1/2008 $52.850	8/1/2008 $54.250	2/1/2009 $54.800	8/1/2009 $56.240
	2/1/2010 $56.950	8/1/2010 $58.470	2/1/2011 $59.270	8/1/2011 $60.950
	2/1/2012 $61.740			
MARBLE MASONS,TILELAYERS & TERRAZZO MECH	2/1/2008 $62.920	8/1/2008 $64.670	2/1/2009 $65.360	8/1/2009 $67.160
	2/1/2010 $68.050	8/1/2010 $69.950	2/1/2011 $70.940	8/1/2011 $73.040
	2/1/2012 $74.030			
MECH. SWEEPER OPERATOR (NON-CONSTRUCTION)	7/1/2007 $26.700	7/1/2008 $27.300	7/1/2009 $28.300	7/1/2010 $29.000
	7/1/2011 $29.700			
MECH. SWEEPER OPERATOR (ON CONST. SITES)	6/1/2008 $55.110	12/1/2008 $56.070	6/1/2009 $57.180	12/1/2009 $58.280
	6/1/2010 $59.520	12/1/2010 $60.770		

This wage schedule must be posted at the work site in accordance with M.G.L. ch. 149, sec. 27

Failure of the employer to pay "prevailing wage rates," which are the minimum wage rates listed above, on public works projects is a violation of M.G.L. ch. 149, sec. 27B. Employees not receiving such rates should report the violation to the Office of Fair Labor and Business Practices, 100 Cambridge Street , Boston, MA 02108; Tel: 617-727-3465.

THE COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF LABOR AND WORKFORCE DEVELOPMENT
DIVISION OF OCCUPATIONAL SAFETY

Prevailing Wage Rates

As determined by the Commissioner under the provisions of the Massachusetts General Laws, Chapter 149, Sections 26 to 27H

DEVAL L. PATRICK
Governor
TIMOTHY P. MURRAY
Lt. Governor

GEORGE NOEL
Director
LAURA M. MARLIN
Commissioner

Awarding Authority: CITY OF HAVERHILL
Contract Number: H0708H **City/Town:** HAVERHILL
Description Of Work: STADIUM BOILER ROOM ASBESTOS REMOVAL WORKS
Job Location: 17 LINCOLN

Classification	Effective Dates and Total Rates							
MECHANICS MAINTENANCE	6/1/2008	$55.110	12/1/2008	$56.070	6/1/2009	$57.180	12/1/2009	$58.280
	6/1/2010	$59.520	12/1/2010	$60.770				
MILLWRIGHT (Zone 2)	3/1/2008	$50.190	9/1/2008	$51.340	3/1/2009	$52.540		
MORTAR MIXER	6/1/2008	$41.000	12/1/2008	$42.000	6/1/2009	$43.000	12/1/2009	$44.000
	6/1/2010	$45.000	12/1/2010	$46.250	6/1/2011	$47.250	12/1/2011	$48.500
OILER (OTHER THAN TRUCKS,CRANES,GRADALLS)	6/1/2008	$39.960	12/1/2008	$40.530	6/1/2009	$41.180	12/1/2009	$41.840
	6/1/2010	$42.570	12/1/2010	$43.310				
OILER (TRUCKS,CRANES,GRADALLS)	6/1/2008	$42.700	12/1/2008	$43.350	6/1/2009	$44.080	12/1/2009	$44.810
	6/1/2010	$45.640	12/1/2010	$46.470				
OTHER POWER DRIVEN EQUIPMENT - CLASS II	6/1/2008	$55.110	12/1/2008	$56.070	6/1/2009	$57.180	12/1/2009	$58.280
	6/1/2010	$59.520	12/1/2010	$60.770				
PAINTER (BRIDGES/TANKS)	1/1/2008	$58.910	7/1/2008	$60.060	1/1/2009	$61.210	7/1/2009	$62.360
	1/1/2010	$63.510						
PAINTER (SPRAY OR SANDBLAST, NEW)	1/1/2008	$49.810	7/1/2008	$50.960	1/1/2009	$52.110	7/1/2009	$53.260
	1/1/2010	$54.410						
PAINTER (SPRAY OR SANDBLAST, REPAINT)	1/1/2008	$47.870	7/1/2008	$49.020	1/1/2009	$50.170	7/1/2009	$51.320
	1/1/2010	$52.470						
PAINTER (TRAFFIC MARKINGS)	6/1/2008	$40.750	12/1/2008	$41.750	6/1/2009	$42.750	12/1/2009	$43.750
	6/1/2010	$44.750	12/1/2010	$46.000	6/1/2011	$47.000	12/1/2011	$48.250
PAINTER / TAPER (BRUSH, NEW) *	1/1/2008	$48.410	7/1/2008	$49.560	1/1/2009	$50.710	7/1/2009	$51.860
	1/1/2010	$53.010						
PAINTER / TAPER (BRUSH, REPAINT)	1/1/2008	$46.470	7/1/2008	$47.620	1/1/2009	$48.770	7/1/2009	$49.920
	1/1/2010	$51.070						
PANEL & PICKUP TRUCKS DRIVER	6/1/2008	$40.960	8/1/2008	$41.460	12/1/2008	$42.160		
PIER AND DOCK CONSTRUCTOR (UNDERPINNING AND DECK)	9/1/2007	$56.260						
PILE DRIVER	9/1/2007	$56.260						
PIPEFITTER & STEAMFITTER	3/1/2008	$55.200						
PIPELAYER	6/1/2008	$41.000	12/1/2008	$42.000	6/1/2009	$43.000	12/1/2009	$44.000
	6/1/2010	$45.000	12/1/2010	$46.250	6/1/2011	$47.250	12/1/2011	$48.500
PLUMBER	3/1/2008	$56.170						
PNEUMATIC CONTROLS (TEMP.)	3/1/2008	$55.200						
PNEUMATIC DRILL/TOOL OPERATOR	6/1/2008	$41.000	12/1/2008	$42.000	6/1/2009	$43.000	12/1/2009	$44.000
	6/1/2010	$45.000	12/1/2010	$46.250	6/1/2011	$47.250	12/1/2011	$48.500
POWDERMEN & BLASTER	6/1/2008	$41.750	12/1/2008	$42.750	6/1/2009	$43.750	12/1/2009	$44.750
	6/1/2010	$45.750	12/1/2010	$47.000	6/1/2011	$48.000	12/1/2011	$49.250
POWER SHOVEL/DERRICK/TRENCHING MACHINE	6/1/2008	$55.410	12/1/2008	$56.390	6/1/2009	$57.500	12/1/2009	$58.620
	6/1/2010	$59.870	12/1/2010	$61.120				
PUMP OPERATOR (CONCRETE)	6/1/2008	$55.410	12/1/2008	$56.390	6/1/2009	$57.500	12/1/2009	$58.620
	6/1/2010	$59.870	12/1/2010	$61.120				

This wage schedule must be posted at the work site in accordance with M.G.L. ch. 149, sec. 27

Failure of the employer to pay "prevailing wage rates," which are the minimum wage rates listed above, on public works projects is a violation of M.G.L. ch. 149, sec. 27B. Employees not receiving such rates should report the violation to the Office of Fair Labor and Business Practices, 100 Cambridge Street , Boston, MA 02108; Tel: 617-727-3465.

THE COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF LABOR AND WORKFORCE DEVELOPMENT
DIVISION OF OCCUPATIONAL SAFETY

Prevailing Wage Rates

As determined by the Commissioner under the provisions of the Massachusetts General Laws, Chapter 149, Sections 26 to 27H

DEVAL L. PATRICK
Governor
TIMOTHY P. MURRAY
Lt. Governor

GEORGE NOEL
Director
LAURA M. MARLIN
Commissioner

Awarding Authority: CITY OF HAVERHILL
Contract Number: H0708H **City/Town:** HAVERHILL
Description Of Work: STADIUM BOILER ROOM ASBESTOS REMOVAL WORKS
Job Location: 17 LINCOLN

Classification	Effective Dates and Total Rates							
PUMP OPERATOR (DEWATERING, OTHER)	6/1/2008	$45.620	12/1/2008	$46.340	6/1/2009	$47.160	12/1/2009	$47.980
	6/1/2010	$48.900	12/1/2010	$49.830				
READY-MIX CONCRETE DRIVER	5/1/2008	$33.060	5/1/2009	$33.420	5/1/2010	$33.790		
RECLAIMERS	6/1/2008	$55.110	12/1/2008	$56.070	6/1/2009	$57.180	12/1/2009	$58.280
	6/1/2010	$59.520	12/1/2010	$60.770				
RESIDENTIAL WOOD FRAME CARPENTER **	3/1/2008	$34.170						
RIDE-ON MOTORIZED BUGGY OPERATOR	6/1/2008	$41.000	12/1/2008	$42.000	6/1/2009	$43.000	12/1/2009	$44.000
	6/1/2010	$45.000	12/1/2010	$46.250	6/1/2011	$47.250	12/1/2011	$48.500
ROLLER/SPREADER/MULCHING MACHINE	6/1/2008	$55.110	12/1/2008	$56.070	6/1/2009	$57.180	12/1/2009	$58.280
	6/1/2010	$59.520	12/1/2010	$60.770				
ROOFER (Inc.Roofer Waterproofng &Roofer Damproofg)	2/1/2008	$51.360	8/1/2008	$52.460	2/1/2009	$53.860		
SHEETMETAL WORKER	2/1/2008	$59.200	8/1/2008	$60.330	2/1/2009	$61.450	8/1/2009	$62.700
	2/1/2010	$63.950						
SIGN ERECTOR	6/1/2008	$35.520	6/1/2009	$37.780				
SLATE / TILE / PRECAST CONCRETE ROOFER	2/1/2008	$51.610	8/1/2008	$52.710	2/1/2009	$54.110		
SPECIALIZED EARTH MOVING EQUIP < 35 TONS	6/1/2008	$41.420	8/1/2008	$41.920	12/1/2008	$42.620		
SPECIALIZED EARTH MOVING EQUIP > 35 TONS	6/1/2008	$41.710	8/1/2008	$42.210	12/1/2008	$42.910		
SPRINKLER FITTER	3/16/2008	$64.200	9/16/2008	$65.700	3/16/2009	$66.950	9/16/2009	$68.450
	3/16/2010	$69.700						
STEAM BOILER OPERATOR	6/1/2008	$55.110	12/1/2008	$56.070	6/1/2009	$57.180	12/1/2009	$58.280
	6/1/2010	$59.520	12/1/2010	$60.770				
TAMPERS, SELF-PROPELLED OR TRACTOR DRAWN	6/1/2008	$55.110	12/1/2008	$56.070	6/1/2009	$57.180	12/1/2009	$58.280
	6/1/2010	$59.520	12/1/2010	$60.770				
TELECOMMUNICATION TECHNICIAN	3/1/2008	$50.070	9/1/2008	$51.000	3/1/2009	$51.920	9/1/2009	$52.860
	3/1/2010	$53.780	9/1/2010	$54.700	3/1/2011	$55.640		
TERRAZZO FINISHERS	2/1/2008	$61.820	8/1/2008	$63.570	2/1/2009	$64.260	8/1/2009	$66.060
	2/1/2010	$66.950	8/1/2010	$68.850	2/1/2011	$69.840	8/1/2011	$71.940
	2/1/2012	$72.930						
TEST BORING DRILLER	5/31/2008	$44.750						
TEST BORING DRILLER HELPER	5/31/2008	$43.470						
TEST BORING LABORER	5/31/2008	$43.350						
TRACTORS/PORTABLE STEAM GENERATORS	6/1/2008	$55.110	12/1/2008	$56.070	6/1/2009	$57.180	12/1/2009	$58.280
	6/1/2010	$59.520	12/1/2010	$60.770				
TRAILERS FOR EARTH MOVING EQUIPMENT	6/1/2008	$42.000	8/1/2008	$42.500	12/1/2008	$43.200		
TUNNEL WORK (COMP. AIR HAZ. WASTE)	12/1/2007	$57.430						
TUNNEL WORK (COMPRESSED AIR)	12/1/2007	$55.430						
TUNNEL WORK (FREE AIR HAZ. WASTE)	12/1/2007	$49.500						
TUNNEL WORK (FREE AIR)	12/1/2007	$47.500						
VAC-HAUL	6/1/2008	$41.420	8/1/2008	$41.920	12/1/2008	$42.620		

This wage schedule must be posted at the work site in accordance with M.G.L. ch. 149, sec. 27

Failure of the employer to pay "prevailing wage rates," which are the minimum wage rates listed above, on public works projects is a violation of M.G.L. ch. 149, sec. 27B. Employees not receiving such rates should report the violation to the Office of Fair Labor and Business Practices, 100 Cambridge Street , Boston, MA 02108; Tel: 617-727-3465.

THE COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF LABOR AND WORKFORCE DEVELOPMENT
DIVISION OF OCCUPATIONAL SAFETY

Prevailing Wage Rates

As determined by the Commissioner under the provisions of the Massachusetts General Laws, Chapter 149, Sections 26 to 27H

DEVAL L. PATRICK
Governor
TIMOTHY P. MURRAY
Lt. Governor

GEORGE NOEL
Director
LAURA M. MARLIN
Commissioner

Awarding Authority: CITY OF HAVERHILL
Contract Number: H0708H **City/Town:** HAVERHILL
Description Of Work: STADIUM BOILER ROOM ASBESTOS REMOVAL WORKS
Job Location: 17 LINCOLN

Classification	Effective Dates and Total Rates							
WAGON DRILL OPERATOR	6/1/2008	$41.000	12/1/2008	$42.000	6/1/2009	$43.000	12/1/2009	$44.000
	6/1/2010	$45.000	12/1/2010	$46.250	6/1/2011	$47.250	12/1/2011	$48.500
WASTE WATER PUMP OPERATOR	6/1/2008	$55.410	12/1/2008	$56.390	6/1/2009	$57.500	12/1/2009	$58.620
	6/1/2010	$59.870	12/1/2010	$61.120				
WATER METER INSTALLER	3/1/2008	$56.170						

* If 30% or more of surfaces to be painted are new construction, NEW paint rate shall be used.
** The Residential Wood Frame Carpenter classification applies only to the construction of new, wood frame residences that do not exceed four stories including the basement.

This wage schedule must be posted at the work site in accordance with M.G.L. ch. 149, sec. 27

Failure of the employer to pay "prevailing wage rates," which are the minimum wage rates listed above, on public works projects is a violation of M.G.L. ch. 149, sec. 27B. Employees not receiving such rates should report the violation to the Office of Fair Labor and Business Practices, 100 Cambridge Street , Boston, MA 02108; Tel: 617-727-3465.

COMMONWEALTH OF MASSACHUSETTS

Division of Occupational Safety

Minimum wage rates for apprentices employed on public works projects are listed below as a percentage of the pre-determined hourly wage rate established by the Commissioner under the provisions of the M.G.L. c. 149, ss. 26-27D. Apprentice ratios are established by the Division of Apprentice Training pursuant to M.G.L. c. 23, ss. 11E-11L.

All apprentices must be registered with the Division of Apprentice Training in accordance with M.G.L. c. 23, ss. 11E-11L.

City/Town: HAVERHILL — All steps are 6 months (1000 Hours) unless otherwise specified**

Classification	Ratio*	1	2	3	4	5	6	7	8	9	10
ASBESTOS INSULATOR (Pipes & Tanks)	1:4	50	60	70	80						
				Steps are 1 year							
BOILERMAKER	1:5	65	65	70	75	80	85	90	95		
BRICK/PLASTER/CEMENT MASON	1:5	50	60	70	80	90					
CARPENTER	1:5	50	60	70	75	80	80	90	90		
CARPENTER (Residential Wood Frame)	1:5	60	60	65	70	75	80	85	90		
ELECTRICIAN	2:3***	30	35	40	45	50	55	65	70	75	80
				App. Start 2003+:40/40/45/45/50/55/60/65/70/75							
ELEVATOR CONSTRUCTOR	1:1	50	55	65	70	80					
				Steps 1-2 are 6 mos.; Steps 3-5 are 1 year							
FLOORCOVERER	1:1	50	55	60	65	70	75	80	85		
				Steps are 950 hrs.							
GLAZIER	1:1	50	55	60	65	70	75	80	90		
				Steps are 750 hrs.							
HOIST/PORT. ENG.	1:5	55	60	65	70	75	80	85	90		
IRONWORKER		60	70	75	80	85	90				
Structural 1:6; Ornamental 1:4											
LABORER	1:5	60	70	80	90						
MARBLE-TILE-TERRAZZO FINISHER	1:3	50	60	70	80	90					
				Steps are 800 hrs.							
MARBLE-TILE-TERRAZZO MECHANIC	1:3	50	60	70	80	90					
PAINTER	1:1	50	55	60	65	70	75	80	90		
				Steps are 750 hrs.							
PILE DRIVER	1:3	60	65	70	75	80	85	90	95		
PLUMBER/PIPEFITTER	1:5	37.5	40	45	50	55	60	65	70	75	80

* Ratios are expressed in allowable number of apprentices to journeymen or fraction thereof.
** Multiple ratios are listed in comment field.
*** The job site ratio of 2 apprentices(App) for every 3 journeymen(JM) is allowed as follows:
1 JM: 1 App; 2-3 JM:2 App; 4-6 JM: 4 App; 7- 9 JM: 6 App; 10- 12 JM: 8 App; 13-15 JM: 10 App; etc. Not more than 50% of the apprentices on a job site may have standing as a 1st year apprentice. All other apprentices must have 2nd, 3rd, 4th, or 5th year standing.
**** The job site ratio of 2 apprentices(App) for every 3 journeymen(JM) is allowed as follows:
1-2 JM: 1 App; 3-4 JM: 2 App; 5 JM: 3 App; 6-7 JM: 4 App; 8 JM: 5 App; etc

Issue Date: 6/18/2008 **Rate Sheet:** HAVERHILL **Job ID:** 121464

COMMONWEALTH OF MASSACHUSETTS

Division of Occupational Safety

Minimum wage rates for apprentices employed on public works projects are listed below as a percentage of the pre-determined hourly wage rate established by the Commissioner under the provisions of the M.G.L. c. 149, ss. 26-27D. Apprentice ratios are established by the Division of Apprentice Training pursuant to M.G.L. c. 23, ss. 11E-11L.

All apprentices must be registered with the Division of Apprentice Training in accordance with M.G.L. c. 23, ss. 11E-11L.

City/Town: HAVERHILL — All steps are 6 months (1000 Hours) unless otherwise specified**

ROOFER	**	50	60	65	75	85					
** 1:5, 2:6 -10 thereafter 1:10 (or portion thereof)				Step 1 is 2000 hrs.; Steps 2-5 are 1000 hrs.							
ROOFER (REROOFING)	**	50	60	65	75	85					
** 1:4; Thereafter 1:1				Step 1 is 2000 hrs.; Steps 2-5 are 1000 hrs.							
SHEET METAL WORKER	1:4	40	45	50	60	65	75	85			
				Steps 1-3 are 1 year; Steps 4-7 are 6 mos.							
SIGN ERECTOR	1:1	50	55	60	65	70	75	80	85	90	
				Steps are 4 mos.							
SPRINKLER FITTER	1:1	40	45	50	55	60	65	70	75	80	85
TELECOMMUNICATION TECHNICIAN	1:1	40	45	50	55	60	65	75	80		

* Ratios are expressed in allowable number of apprentices to journeymen or fraction thereof.
** Multiple ratios are listed in comment field.
*** The job site ratio of 2 apprentices(App) for every 3 journeymen(JM) is allowed as follows: 1 JM: 1 App; 2-3 JM:2 App; 4-6 JM: 4 App; 7- 9 JM: 6 App; 10- 12 JM: 8 App; 13-15 JM: 10 App; etc. Not more than 50% of the apprentices on a job site may have standing as a 1st year apprentice. All other apprentices must have 2nd, 3rd, 4th, or 5th year standing.
**** The job site ratio of 2 apprentices(App) for every 3 journeymen(JM) is allowed as follows: 1-2 JM: 1 App; 3-4 JM: 2 App; 5 JM: 3 App; 6-7 JM: 4 App; 8 JM: 5 App; etc

Issue Date: 6/18/2008 **Rate Sheet:** HAVERHILL **Job ID:** 121464